TTV 1657D

3 CCD Camera

Maintenance Manual

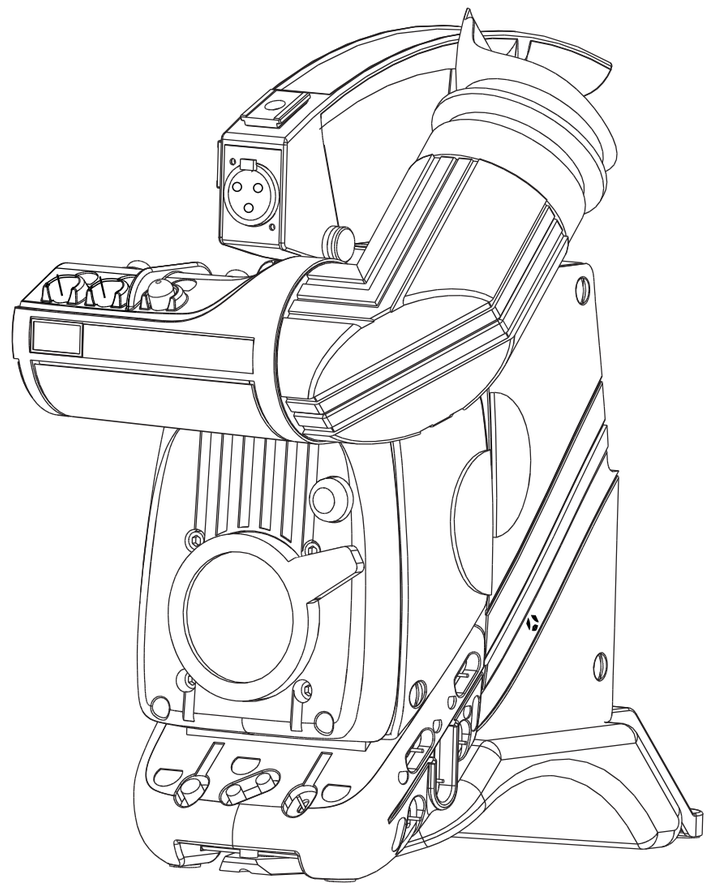
Volume 2

B1657D904B

TTV 1657D

3 CCD Camera

THOMSON MULTI MEDIA
BROADCAST SOLUTIONS



Maintenance Manual

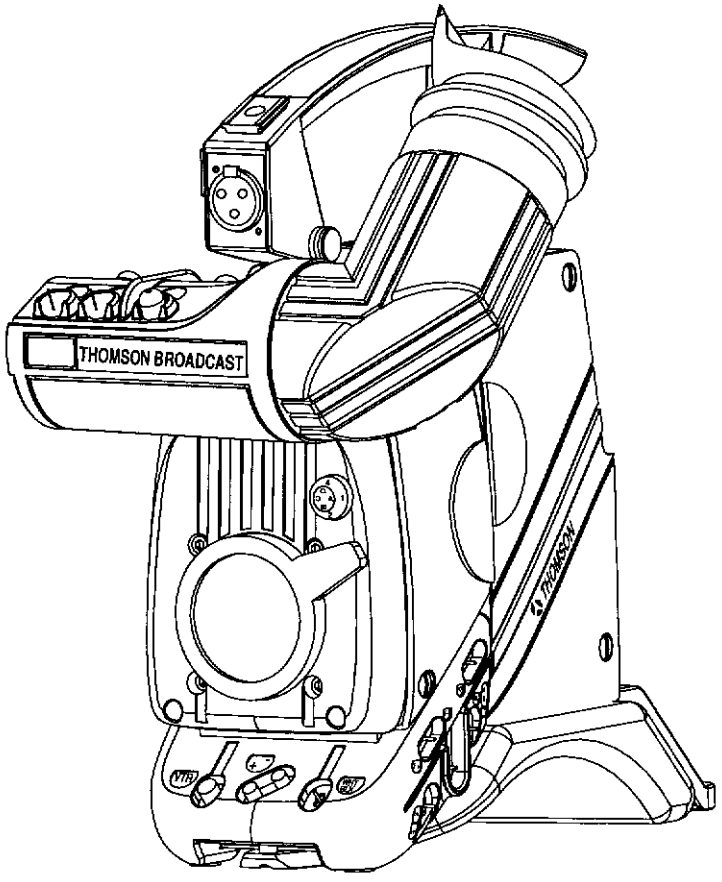
Volume 2

B1657D904B

3 CCD CAMERA

TTV1657D

MAINTENANCE



THOMSON BROADCAST SYSTEMS

Les descriptions et caractéristiques figurant sur ce document sont des données typiques moyennes non contractuelles. Soucieux de la qualité de nos produits, nous nous réservons le droit d'effectuer, sans préavis, toute modification ou amélioration.
Descriptions and specifications appearing in this document are typical measurements. They aren't binding. Mindful of the quality of our products, we reserve the right to change performance data without notice.

47033178AC B1657D904B

ATTENTION

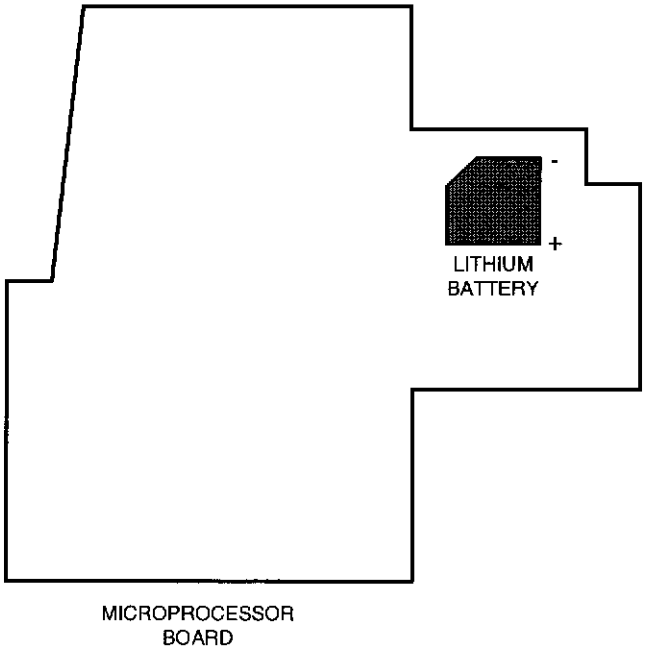
La carte microprocesseur contient une pile LITHIUM. Il y a danger d'explosion en cas de remplacement incorrect de la pile.

Remplacer uniquement par une pile de même type ou d'un type équivalent recommandé par le constructeur.

WARNING

The Microprocesseur board is fitted with a LITHIUM battery. There is a danger of explosion should the battery be replaced by an incorrect type.

Only replace by a battery of identical type or an approved equivalent.



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VERSION FRANCAISE

RÉGLAGES CAMÉRA - VISEURS - CA25

SECTION 2

ENGLISCH VERSION

CAMERA - VIEWFINDERS - CA25 ADJUSTEMENTS

VOLUME 2

SYNOPTIQUES CAMÉRA
CAMERA BLOCK DIAGRAMS

SCHÉMAS ÉLECTRIQUES CAMÉRA
CAMERA CIRCUITS DIAGRAMS

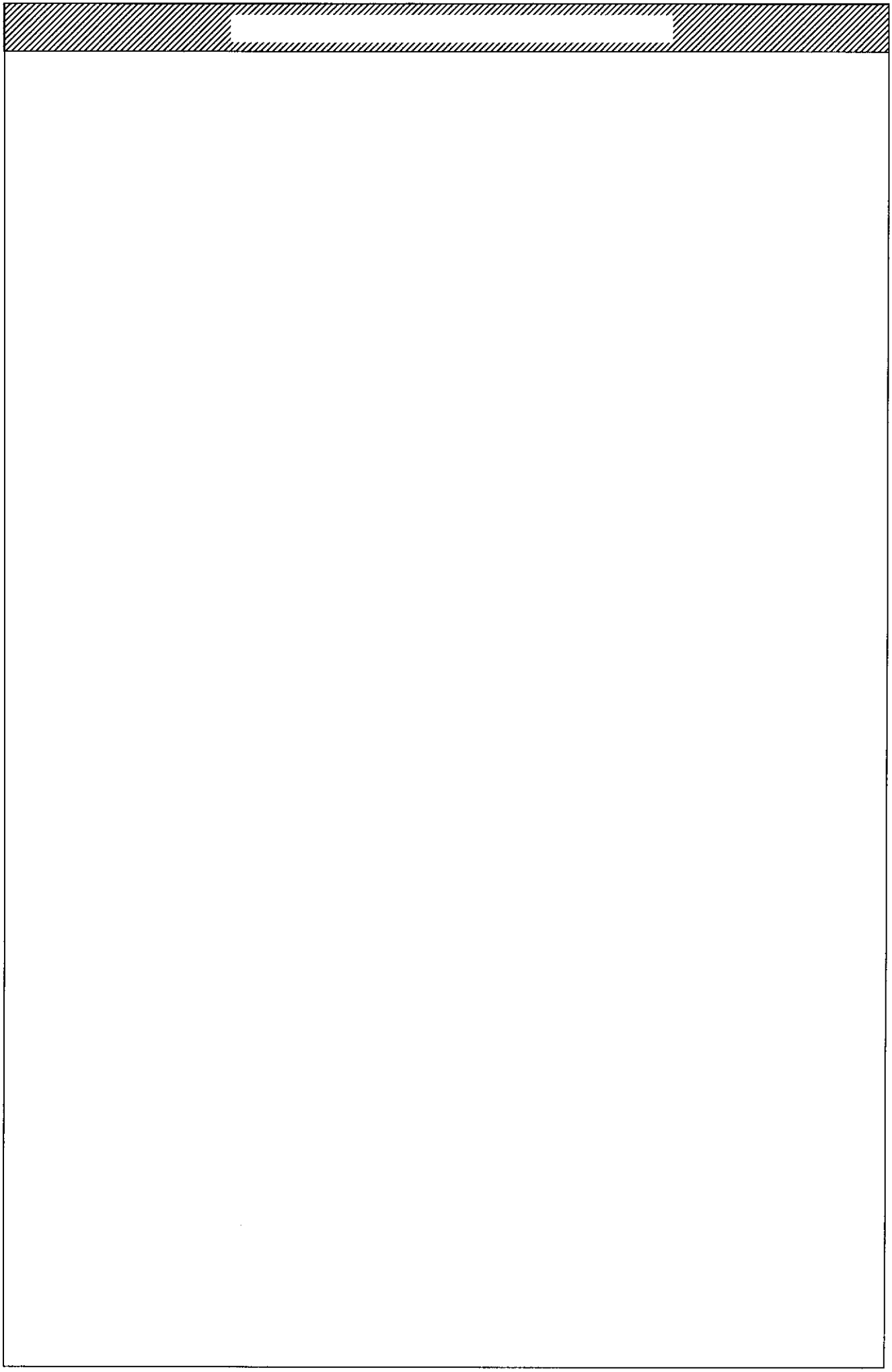
NOMENCLATURES CAMÉRA
CAMERA PARTS LISTS

VOLUME 3

SYNOPTIQUE VISEUR 4CM
4CM VIEWFINDER BLOCK DIAGRAM

SCHÉMAS ÉLECTRIQUES VISEURS 4CM, 14CM - CA25
4CM, 14CM VIEWFINDERS - CA25 CIRCUITS DIAGRAMS

NOMENCLATURES VISEURS 4CM, 14CM - CA25
4CM, 14CM VIEWFINDERS - CA25 PARTS LISTS



CHAPITRE 1

CHAPTER 1

CAMÉRA

CAMERA

SYNOPTIQUES

BLOCK - DIAGRAMS

SCHÉMAS ET IMPLANTATIONS

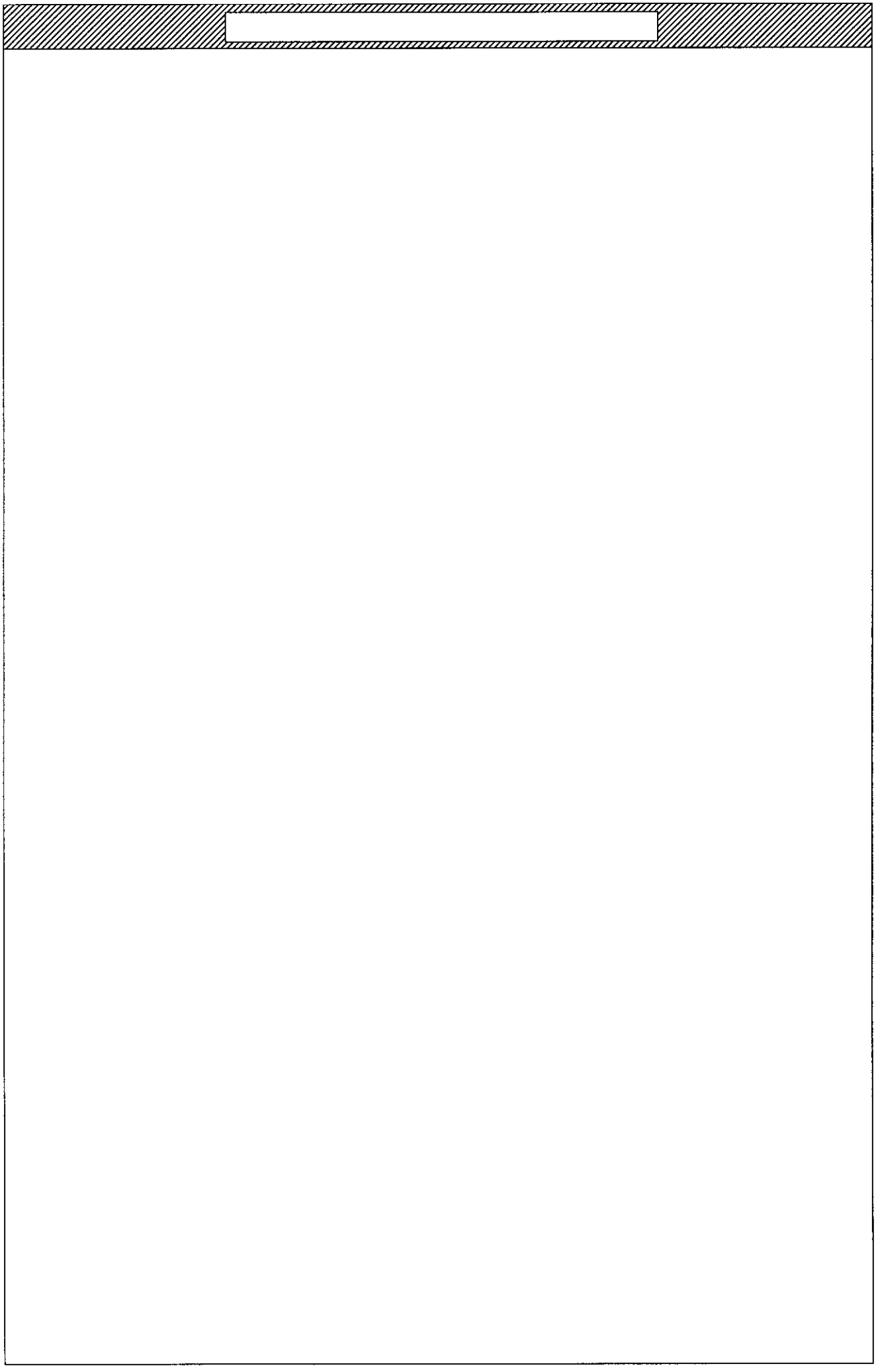
SCHEMATIC - LAY OUT DIAGRAMS

NOMENCLATURES ÉLECTRIQUES

ELECTRICAL COMPONENTS

NOMENCLATURES MÉCANIQUES

MECANICAL PART LIST



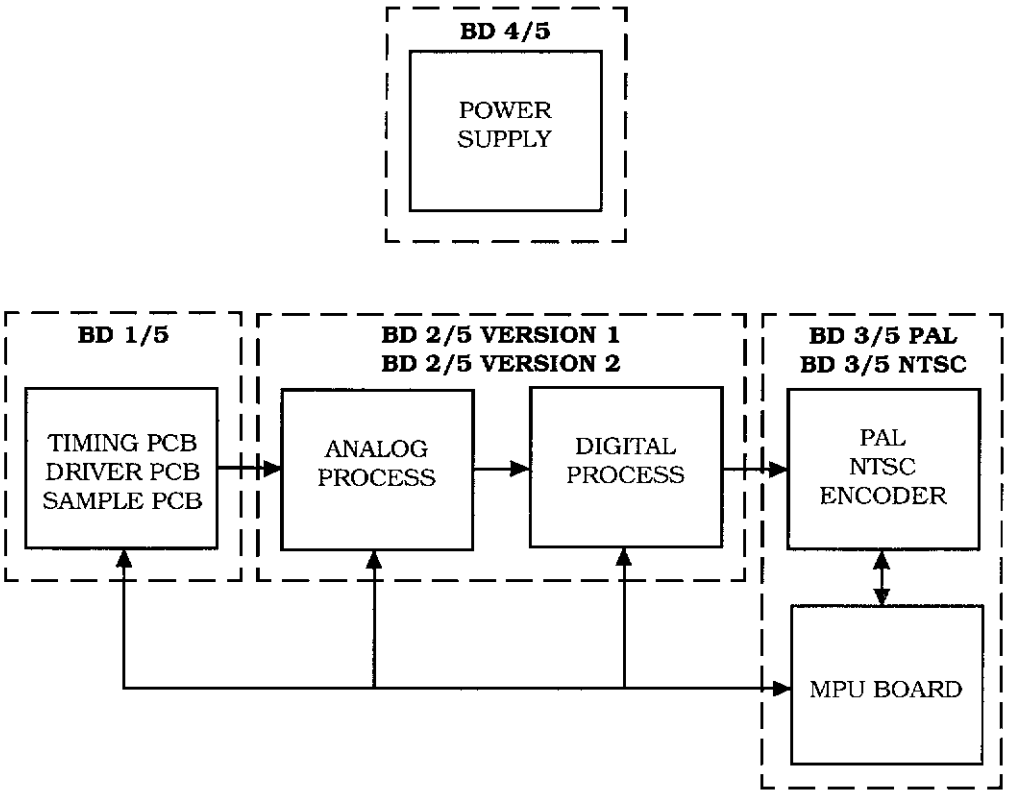
CAMÉRA

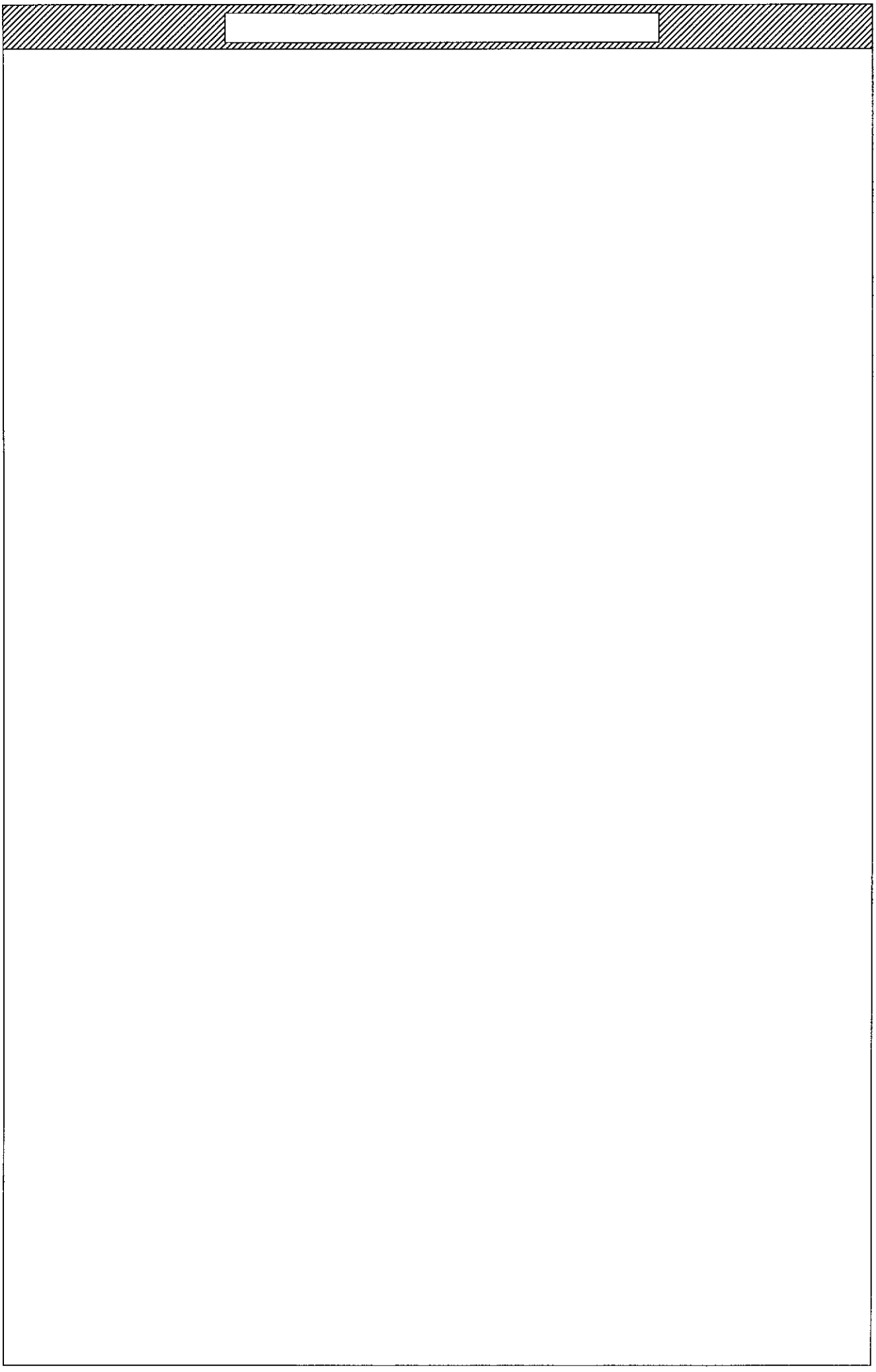
CAMERA

SYNOPTIQUES

BLOCK - DIAGRAMS

ANALYSIS BLOCK	1/5
ANALOG PROCESS - DIGITAL PROCESS VERSION 1	2/5
ANALOG PROCESS - DIGITAL PROCESS VERSION 2	2/5
PAL ENCODER - MPU	3/5 PAL
NTSC ENCODER - MPU	3/5 NTSC
POWER SUPPLY	4/5
MONITORING AND VIEWFINDER VIDEO	5/5





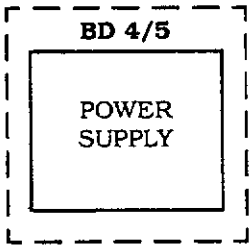
CAMÉRA

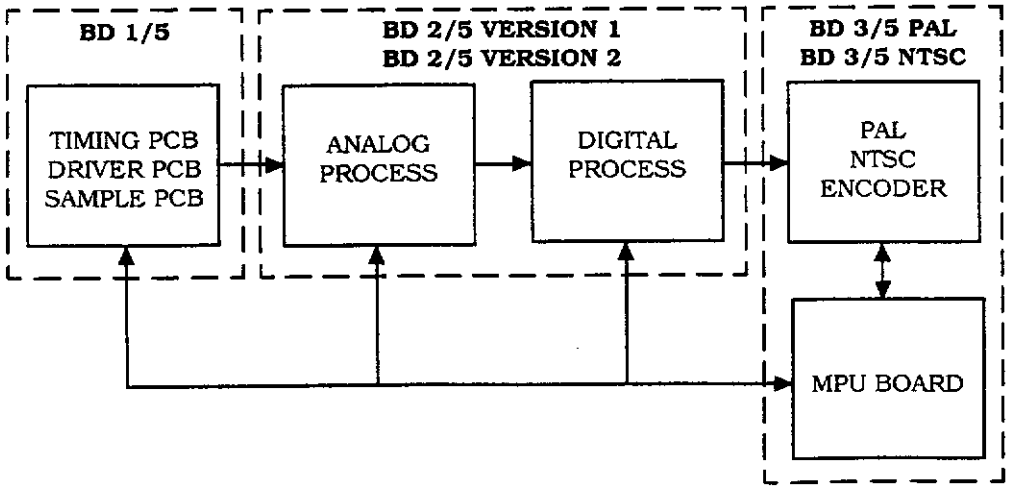
CAMERA

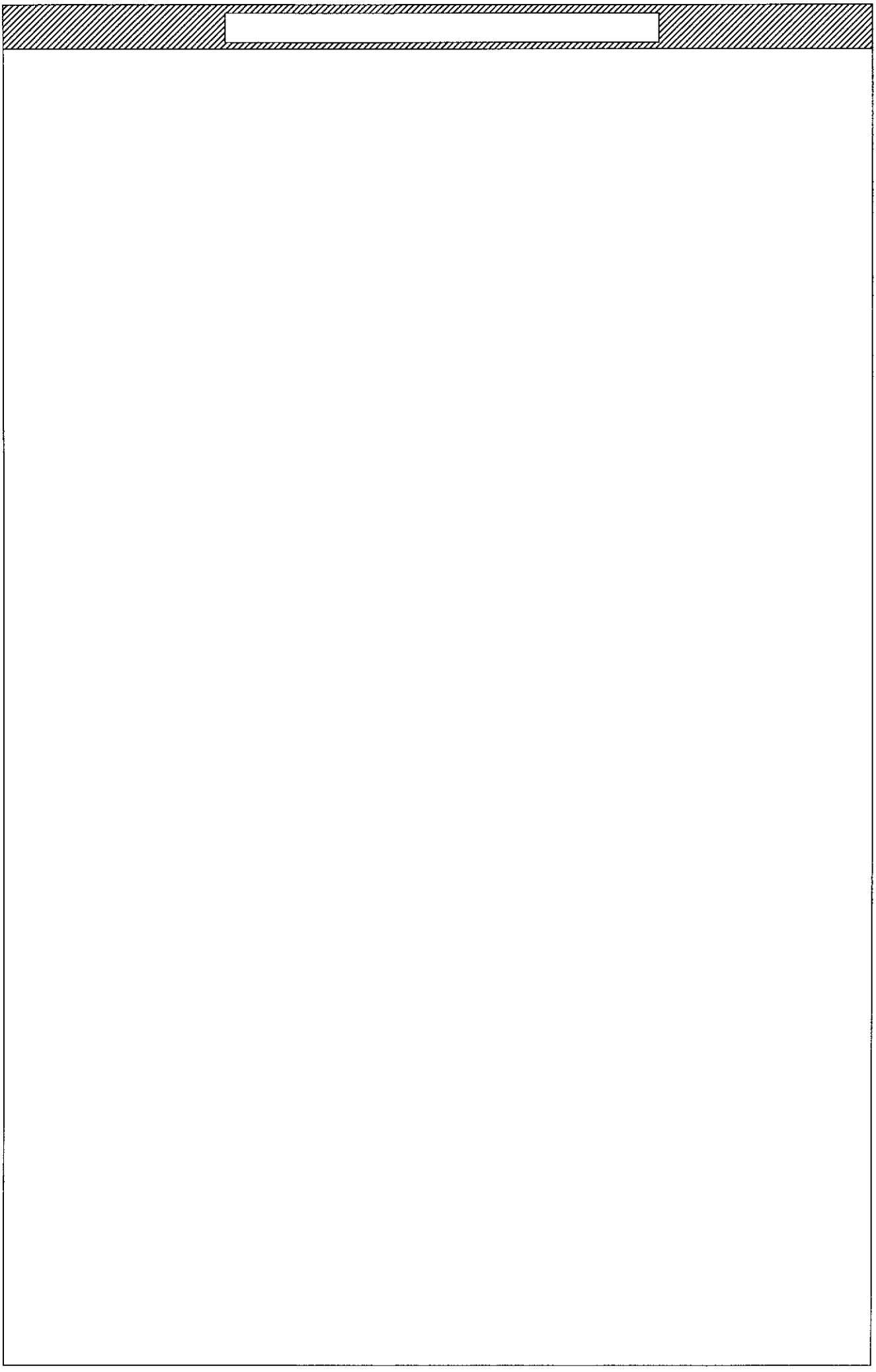
SYNOPTIQUES

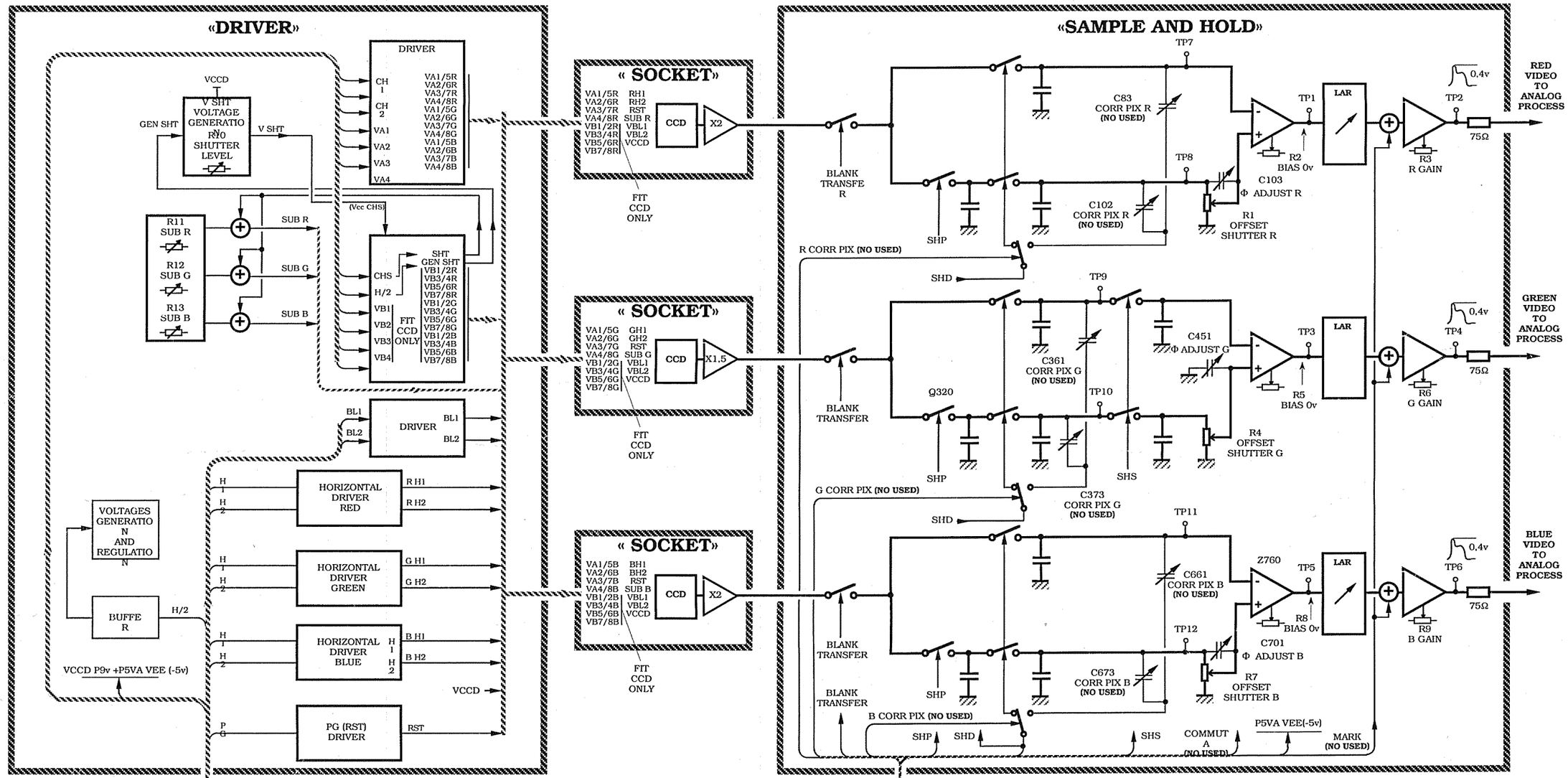
BLOCK - DIAGRAMS

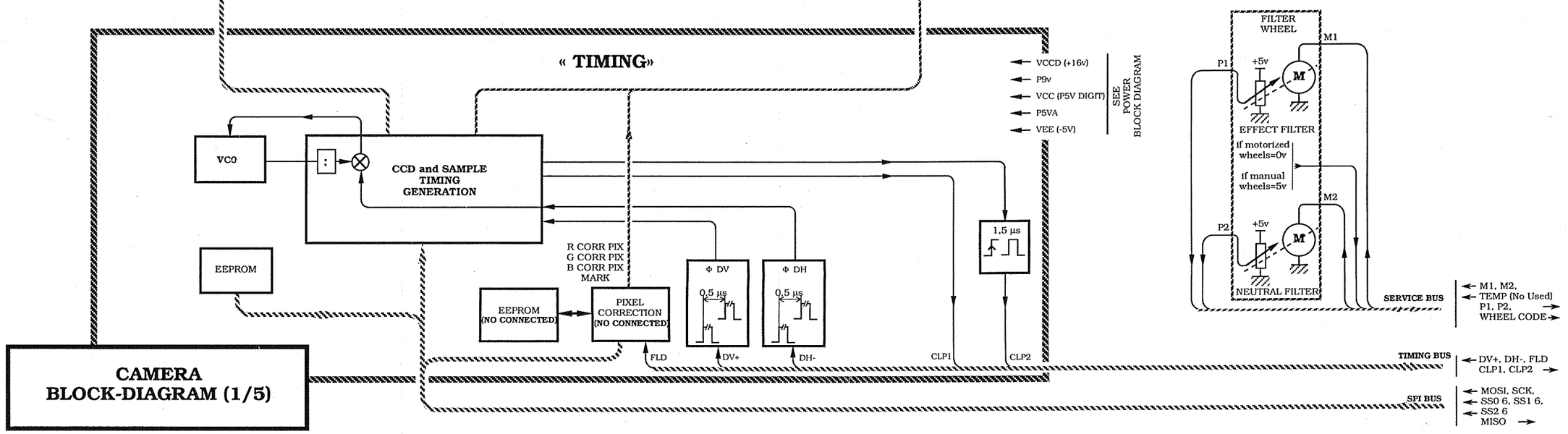
ANALYSIS BLOCK	1/5
ANALOG PROCESS - DIGITAL PROCESS VERSION 1	2/5
ANALOG PROCESS - DIGITAL PROCESS VERSION 2	2/5
PAL ENCODER - MPU	3/5 PAL
NTSC ENCODER - MPU	3/5 NTSC
POWER SUPPLY	4/5
MONITORING AND VIEWFINDER VIDEO	5/5



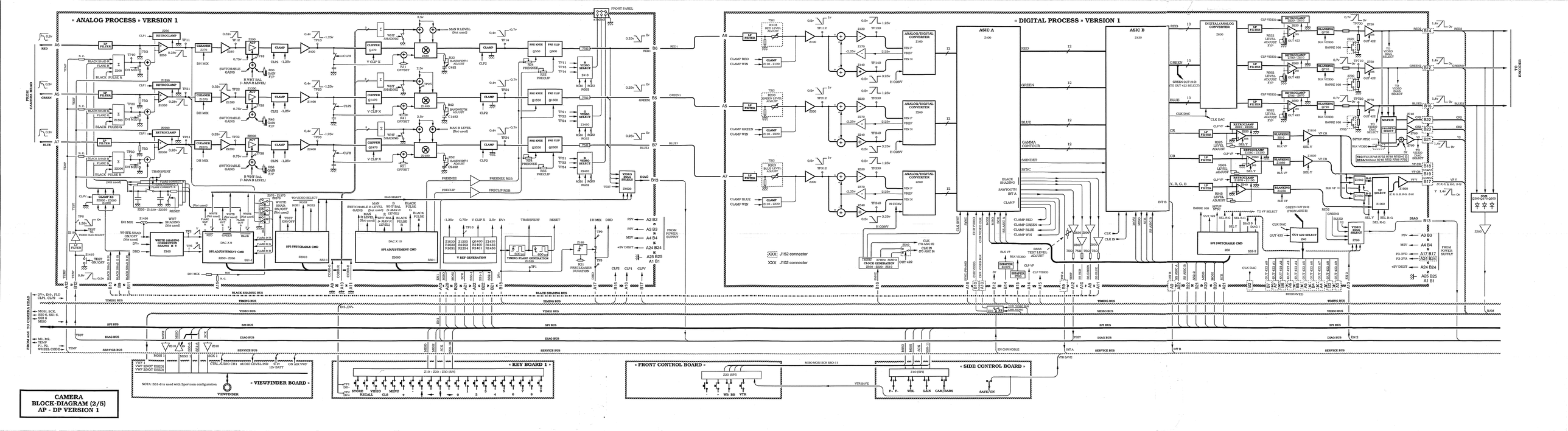


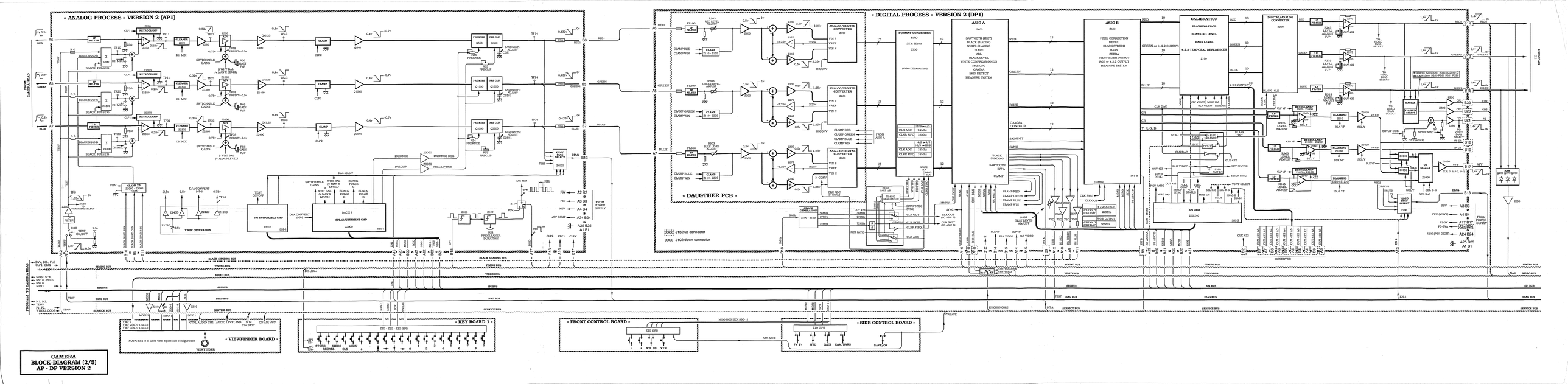


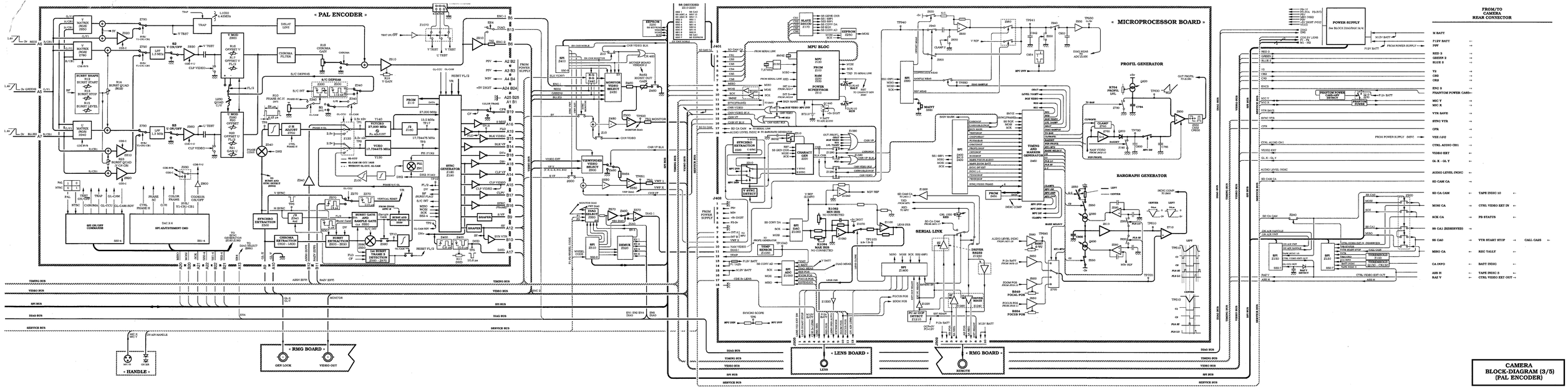


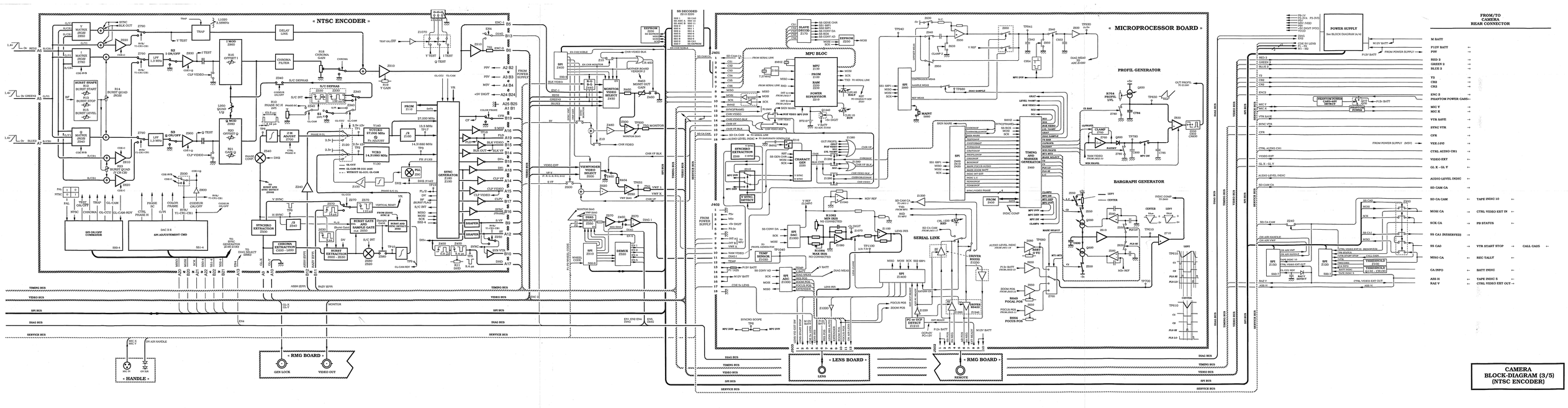


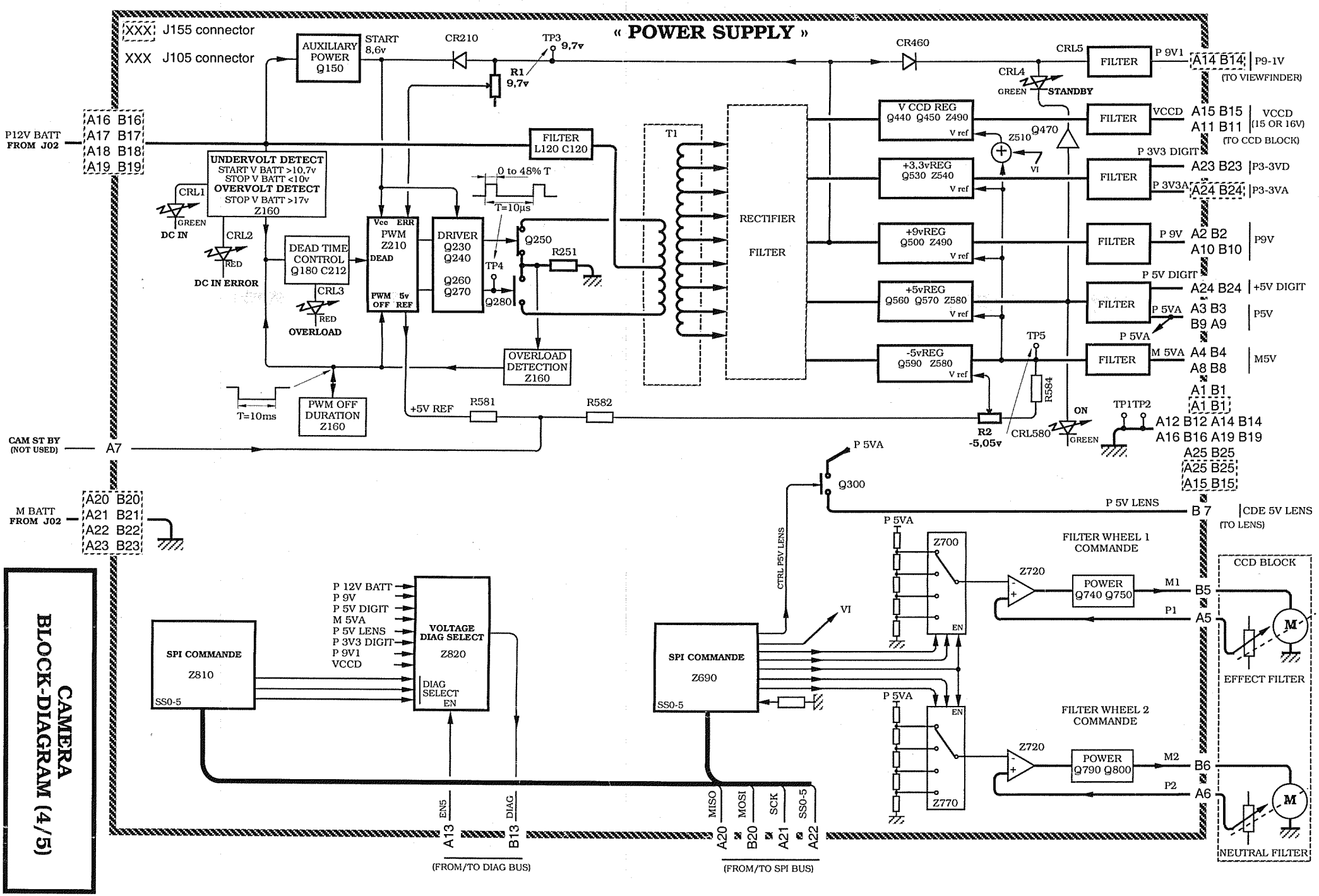
CAMERA BLOCK-DIAGRAM (1/5)


« ANALOG PROCESS » VERSION 1
« DIGITAL PROCESS » VERSION 1
FRONT PANEL
ASIC A
ASIC B
DIGITAL/ANALOG CONVERTER
SPI SWITCHABLE CMD
SPI ADJUSTMENT CMD
« KEY BOARD 1 »
« VIEWFINDER BOARD »
« FRONT CONTROL BOARD »
« SIDE CONTROL BOARD »
J152 connector
J102 connector
CAMERA BLOCK-DIAGRAM (2/5) AP - DP VERSION 1

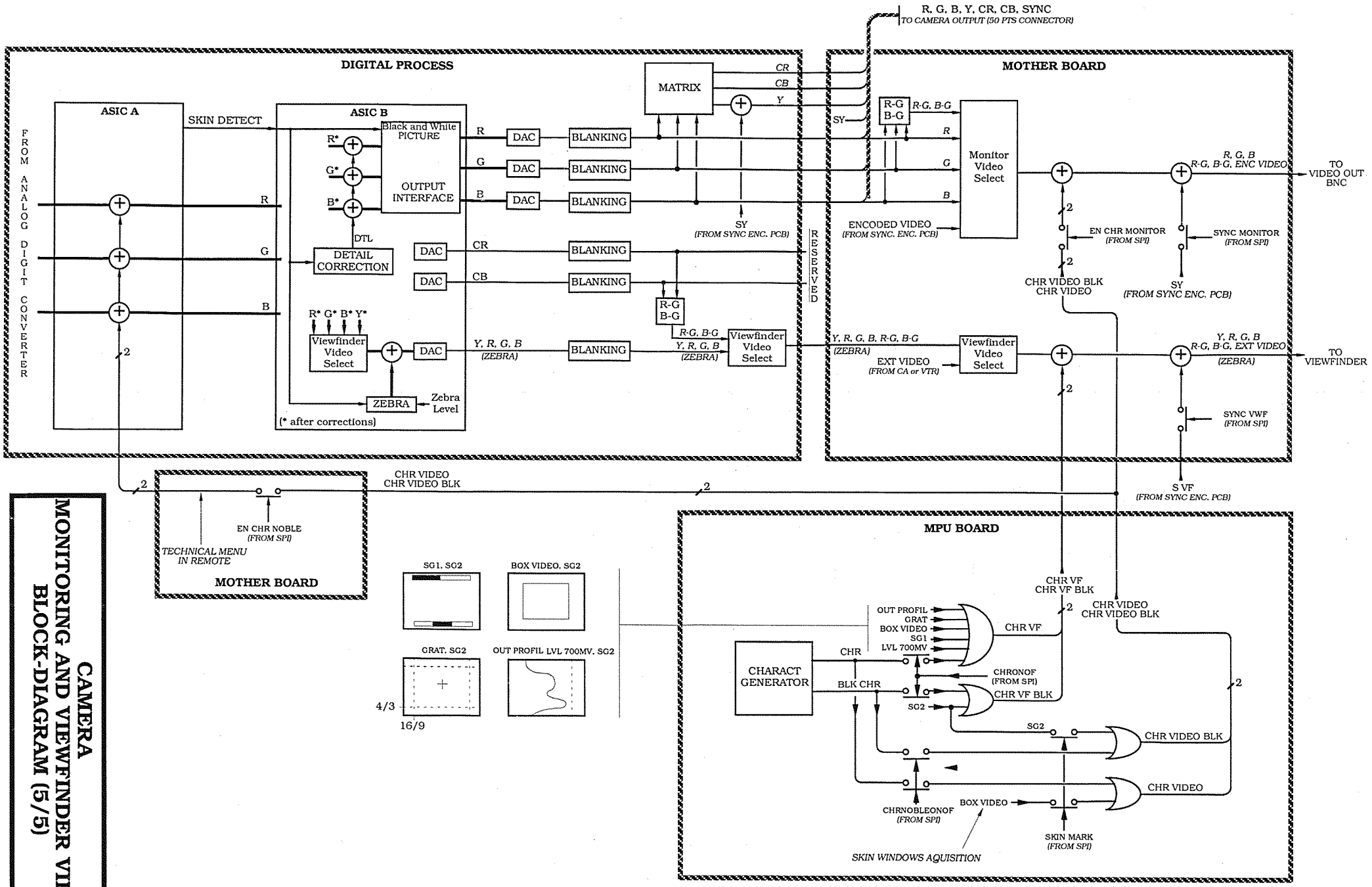

« ANALOG PROCESS » VERSION 2 (AP1)
« DIGITAL PROCESS » VERSION 2 (DP1)
« DAUGTHER PCB »
FROM CAMERA HEAD
RED
GREEN
BLUE
FILTER
RETROCLAMP
CLEARER
D/A CONVERT
CLAMP
PRE KNEE
PRE CLIP
PRECLIP
PRECLIP RGB
PREKNEE RGB
VIDEO DAC SELECT
DIAG
TEST
SWITCHABLE GAINS
WHT BAL (+MAN R LEVEL)
BLACK PULSE R
BLACK PULSE G
BLACK PULSE B
SPI SWITCHABLE CMD
SPI ADJUSTEMENT CMD
DAC X 8
Y REF GENERATION
TEST OSCILLATOR
PROCLEANER DURATION
FROM POWER SUPPLY
FORMAT CONVERTER
FIFO
2K x 30bits
(Video DELAY=1 line)
ANALOG/DIGITAL CONVERTER
CLAMP RED
CLAMP GREEN
CLAMP BLUE
CLAMP WIN
CLK ADC
CLK FIFO
FROM ASIC A
ASIC A
SAWTOOTH ITEST
BLACK SHADING
WHITE SHADING
FLARE
ABL
BLACK LEVEL
WHITE COMPRESS (KNEE)
MASKING
GAMMA
SKIN DETECT
MEASURE SYSTEM
GAMMA CONTOUR
SAWDET
BLACK SHADING
SAWTOOTH INT A
CLAMP
INT B
ASIC B
FIXED CORRECTION
DETAIL
BLACK STRETCH
BARS
ZEBRA
VIEWFINDER OUTPUT
RGB or 4:2:2 OUTPUT
MEASURE SYSTEM
CALIBRATION
BLANKING EDGE
BLANKING LEVEL
BARS LEVEL
4:2:2 TEMPORAL REFERENCES
4:2:2 OUTPUT
4:2:2 OUTPUT
4:2:2 OUTPUT
4:2:2 OUTPUT
DIGITAL/ANALOG CONVERTER
MATRIX
SETUP CDE
SETUP HTSC
SETUP VTSC
SETUP WHC
SPI CMD
SSI-2
SSI-1
SSI-B-G
SSI-R-B
SEL-R-G
SEL-B
SEL-Y
SEL-VF
TO VF SELECT
TO VIDEO DAC SELECT
TO ENCODER
TO VIEWFINDER
TO « KEY BOARD 1 »
TO « FRONT CONTROL BOARD »
TO « SIDE CONTROL BOARD »
TO « VIEWFINDER BOARD »
FROM « TV CAMERA HEAD »
TIMING BUS
VIDEO BUS
SPI BUS
DIAG BUS
SERVICE BUS
BLACK SHADING BUS
« VIEWFINDER BOARD »
« KEY BOARD 1 »
« FRONT CONTROL BOARD »
« SIDE CONTROL BOARD »
J152 up connector
J102 down connector
CAMERA
BLOCK-DIAGRAM (2/5)
AP - DP VERSION 2


« PAL ENCODER »
« MICROPROCESSOR BOARD »
« RMG BOARD »
« LENS BOARD »
« HANDLE »
« RMG BOARD »
FROM/TO CAMERA REAR CONNECTOR
CAMERA BLOCK-DIAGRAM (3/5) (PAL ENCODER)


« NTSC ENCODER »
« MICROPROCESSOR BOARD »
« RMG BOARD »
« LENS BOARD »
« HANDLE »
« RMG BOARD »
POWER SUPPLY
MPU BLOC
PROFIL GENERATOR
BARGRAPH GENERATOR
SERIAL LINK
FROM/TO CAMERA REAR CONNECTOR
CAMERA BLOCK-DIAGRAM (3/5) (NTSC ENCODER)


« POWER SUPPLY »
XXX J155 connector
XXX J105 connector
AUXILIARY POWER Q150
START 8,6v
CR210
TP3 9,7v
R1 9,7v
CR460
CRL5
FILTER
P 9V1
A14 B14
P9-1V
(TO VIEWFINDER)
CRL4
GREEN
STANDBY
P12V BATT FROM J02
A16 B16
A17 B17
A18 B18
A19 B19
FILTER L120 C120
T1
RECTIFIER FILTER
V CCD REG Q440 Q450 Z490
V ref
Z510
Q470
VI
VCCD
A15 B15
A11 B11
VCCD (15 OR 16V)
(TO CCD BLOCK)
UNDERVOLT DETECT
START V BATT >10,7v
STOP V BATT <10v
OVERVOLT DETECT
STOP V BATT >17v
Z160
CRL1
GREEN
DC IN
CRL2
RED
DC IN ERROR
DEAD TIME CONTROL Q180 C212
CRL3
RED
OVERLOAD
0 to 48% T
T=10µs
Vcc ERR
PWM Z210
DEAD
PWM 5v OFF REF
DRIVER Q230 Q240 Q260 Q270
TP4
Q250
R251
Q280
+3,3vREG Q530 Z540
V ref
P 3V3 DIGIT
A23 B23
P3-3VD
P 3V3A
A24 B24
P3-3VA
+9vREG Q500 Z490
V ref
P 9V
A2 B2
A10 B10
P9V
P 5V DIGIT
A24 B24
+5V DIGIT
+5vREG Q560 Q570 Z580
V ref
P 5VA
A3 B3
B9 A9
P5V
P 5VA
TP5
-5vREG Q590 Z580
V ref
M 5VA
A4 B4
A8 B8
M5V
A1 B1
A1 B1
OVERLOAD DETECTION Z160
T=10ms
PWM OFF DURATION Z160
+5V REF
R581
R582
R584
R2 -5,05v
CRL580
ON
GREEN
TP1TP2
A12 B12 A14 B14
A16 B16 A19 B19
A25 B25
A25 B25
A15 B15
CAM ST BY (NOT USED)
A7
M BATT FROM J02
A20 B20
A21 B21
A22 B22
A23 B23
P 5VA
Q300
P 5V LENS
B 7
CDE 5V LENS
(TO LENS)
CTRL P5V LENS
VI
SPI COMMANDE Z810
SS0-5
P 12V BATT
P 9V
P 5V DIGIT
M 5VA
P 5V LENS
P 3V3 DIGIT
P 9V1
VCCD
VOLTAGE DIAG SELECT Z820
DIAG SELECT EN
SPI COMMANDE Z690
SS0-5
Z700
EN
Z720
POWER Q740 Q750
M1
P1
A5
FILTER WHEEL 1 COMMANDE
CCD BLOCK
M
EFFECT FILTER
Z770
Z720
POWER Q790 Q800
M2
P2
A6
FILTER WHEEL 2 COMMANDE
M
NEUTRAL FILTER
EN5
DIAG
A13
B13
(FROM/TO DIAG BUS)
MISO
MOSI
SCK
SS0-5
A20
B20
A21
A22
(FROM/TO SPI BUS)
CAMERA BLOCK-DIAGRAM (4/5)

CAMERA
MONITORING AND VIEWFINDER VIDEO
BLOCK-DIAGRAM (5/5)

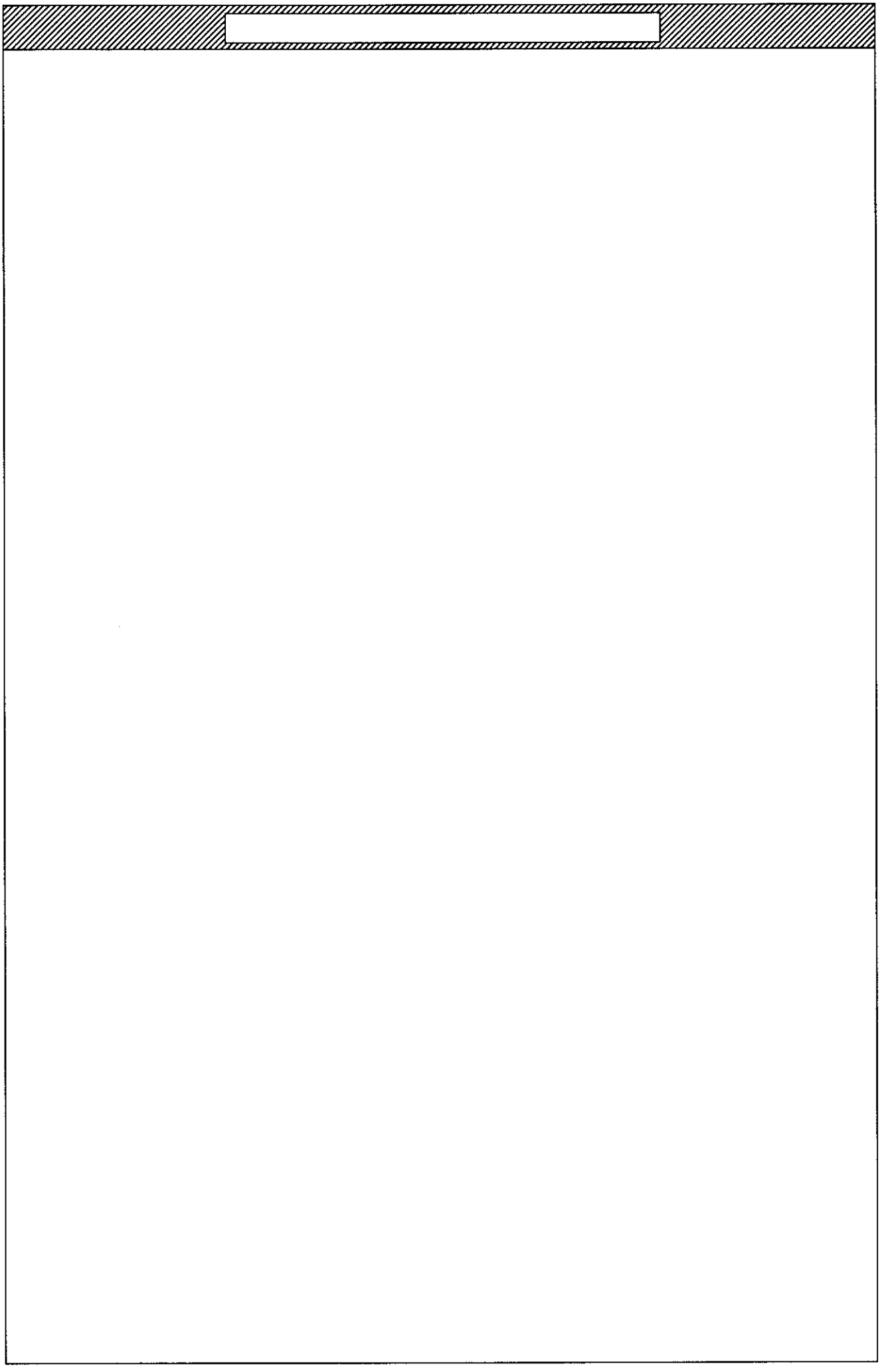


CAMÉRA

CAMERA

SCHÉMAS ET IMPLANTATIONS

SCHEMATIC - LAY OUT DIAGRAMS



B1657DE07B 1657D TX 525 IT 4/3 ELEC NF

B1657DE07B	PE	G		1657D TX 525 IT 4/3 ELEC NF
39965513		P	1	TRIPOD ATTACHMENT 1657
39965510		R	1	SEMELLE
46152781		F	1	PORT DROITE EQUIPEE
46152782AA		P	1	ETIQ LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL CARTON 1657-CA 85
47018307		F	1	PORT GAUCHE EQUIPEE
47033342AB	UF	F	1	BANA ITML 4/3 1657D 525 ELEC NF
1A518765AA	NT	F	1	CARP %%%BLOC ANA 4/3 IT 525 1657D
1B518715AB		P	1	CIUP %%%*S45**BOC ANALYSE IT 5V
47032975	UE	N	1	CART DRIVERS IT 5V NTSC
47033341AA	UE	N	1	CART TIMING IT 4/3 NUM. 525 5V
4A032304AA	UE	N	1	CART SOCKET IT 4/3 5V BLUE
4A032649AA	UE	N	2	CART SOCKET IT 4/3 5V RED/GREEN
4C033292AC	UE	N	1	CART SAMPLE-HOLD 4/3 IT NUM.
47018056	NT	F	1	KIT2 CABL ET MECA BLOC ANALYSE 1657
47033569BA	UF	F	1	BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP MOTHER BOARD + KEY
16518773AA		P	.5	CIUP MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART KEY
4C150404AD	UE	N	1	CART MOTHER BOARD 1657D
46150380		N	1	CART INTERFACE BETA
16518779AA	NT	F	1	CARP TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART NTSC1 ENCODER
4A033347AA	UE	N	1	CART MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART ANALOG PROCESS
4D150401BA	UE	N	1	CART DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP PANEL POWER TTV1657D
1A518733AA		P	1	CIUP PANEL POWER 1657D
39967977	UE	N	1	CART FRONT CONTROL
3A967985	UE	N	1	CART RMG BOARD
3B967976	UE	N	1	CART SIDE CONTROL
46150055	UE	N	1	CART LENS
4A150051AA	UE	N	1	CART VIEW FINDER
4A150460	UE	N	1	CART POWER SUPPLY
3A964884		P	1	RADIATEUR
39964892AA		P	1	RENFORT EPAULIERE
46152780AA		F	1	KIT2 BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1	QUEUE D ARONDE FEMELLE
39965716		P	1	SUPPORT RADIATEUR
46153121AA		P	1	GLISSIERE HAUTE EQUIPEE
46153122AA		P	1	GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ LOT MARQUAGE CORPS 1657
46152866AA		A	1	EPAULIERE
46152944AB		P	1	ENS. AXE DE VISEUR
47018305		F	1	PGNE EQUIPEE
4A018063		N	1	CABL RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT. EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5	CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DM07B 1657D TX 525 IT 4/3 MANU

	PE	G		
B1657DM07B				1657D TX 525 IT 4/3 MANU
39965513		P	1	TRIPOD ATTACHMENT 1657
39965510		R	1	SEMELLE
46152781		F	1	PORT DROITE EQUIPEE
46152782AA		P	1	ETIQ LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL CARTON 1657-CA 85
47018307		F	1	PORT GAUCHE EQUIPEE
47033343AB	UF	F	1	BANA IT 4/3 1657D 525 MANU NF
1A518765AA	NT	F	1	CARP %%%BLOC ANA 4/3 IT 525 1657D
1B518715AB		P	1	CIUP %%%*S45**BOC ANALYSE IT 5V
47032975	UE	N	1	CART DRIVERS IT 5V NTSC
47033341AA	UE	N	1	CART TIMING IT 4/3 NUM. 525 5V
4A032304AA	UE	N	1	CART SOCKET IT 4/3 5V BLUE
4A032649AA	UE	N	2	CART SOCKET IT 4/3 5V RED/GREEN
4C033292AC	UE	N	1	CART SAMPLE-HOLD 4/3 IT NUM.
47018056	NT	F	1	KIT2 CABL ET MECA BLOC ANALYSE 1657
47033569BA	UF	F	1	BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP MOTHER BOARD + KEY
16518773AA		P	.5	CIUP MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART KEY
4C150404AD	UE	N	1	CART MOTHER BOARD 1657D
46150380		N	1	CART INTERFACE BETA
16518779AA	NT	F	1	CARP TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART NTSC1 ENCODER
4A033347AA	UE	N	1	CART MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART ANALOG PROCESS
4D150401BA	UE	N	1	CART DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP PANEL POWER TTV1657D
1A518733AA		P	1	CIUP PANEL POWER 1657D
39967977	UE	N	1	CART FRONT CONTROL
3A967985	UE	N	1	CART RMG BOARD
3B967976	UE	N	1	CART SIDE CONTROL
46150055	UE	N	1	CART LENS
4A150051AA	UE	N	1	CART VIEW FINDER
4A150460	UE	N	1	CART POWER SUPPLY
3A964884		P	1	RADIATEUR
39964892AA		P	1	RENFORT EPAULIERE
46152780AA		F	1	KIT2 BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1	QUEUE D ARONDE FEMELLE
39965716		P	1	SUPPORT RADIATEUR
46153121AA		P	1	GLISSIERE HAUTE EQUIPEE
46153122AA		P	1	GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ LOT MARQUAGE CORPS 1657
46152866AA		A	1	EPAULIERE
46152944AB		P	1	ENS. AXE DE VISEUR
47018305		F	1	PGNE EQUIPEE
4A018063		N	1	CABL RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT. EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5	CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DE12B 1657D 1000PTS PAL 16/9 ELEC NF

B1657DE12B	PE	G			1657D 1000PTS PAL 16/9 ELEC NF
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
47033635AB	UF	F	1	BANA	1000IT 16/9 PAL ELEC 1657D
16518776AA	NT	F	1	CARP	ANALYSE 1000 POINTS IT 16/9
16518775AB		P	1	CIUP	BLOC ANALYSE 1000PTS IT 16/9
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
4A150634AA	UE	N	3	CART	SOCKET IT 16/9 RGB
4A150637AA	UE	N	1	CART	DRIVERS IT 16/9
4A150641AA	UE	N	1	CART	TIMING IT 16/9 4/3
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033872AA		F	1	ETIM	20X05 'CCD TYPE 20'
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DM12B 1657D 1000PTS 16/9 IT PAL MANU

B1657DM12B	PE	G			1657D 1000PTS 16/9 IT PAL MANU
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
47033634AB	UF	F	1	BANA	1000 IT 16/9 PAL MANUEL 1657D
16518776AA	NT	F	1	CARP	ANALYSE 1000 POINTS IT 16/9
16518775AB		P	1	CIUP	BLOC ANALYSE 1000PTS IT 16/9
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
4A150634AA	UE	N	3	CART	SOCKET IT 16/9 RGB
4A150637AA	UE	N	1	CART	DRIVERS IT 16/9
4A150641AA	UE	N	1	CART	TIMING IT 16/9 4/3
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033872AA		F	1	ETIM	20X05 'CCD TYPE 20'
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DE13B 1657D 1000 NTSC 16/9 ELEC NF

B1657DE13B	PE	G		1657D 1000 NTSC 16/9 ELEC NF
39965513		P	1	TRIPOD ATTACHMENT 1657
39965510		R	1	SEMELLE
46152781		F	1	PORT DROITE EQUIPEE
46152782AA		P	1	ETIQ LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL CARTON 1657-CA 85
47018307		F	1	PORT GAUCHE EQUIPEE
47033569BA	UF	F	1	BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP MOTHER BOARD + KEY
16518773AA		P	.5	CIUP MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART KEY
4C150404AD	UE	N	1	CART MOTHER BOARD 1657D
46150380		N	1	CART INTERFACE BETA
16518779AA	NT	F	1	CARP TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART NTSC1 ENCODER
4A033347AA	UE	N	1	CART MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART ANALOG PROCESS
4D150401BA	UE	N	1	CART DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP PANEL POWER TTV1657D
1A518733AA		P	1	CIUP PANEL POWER 1657D
39967977	UE	N	1	CART FRONT CONTROL
3A967985	UE	N	1	CART RMG BOARD
3B967976	UE	N	1	CART SIDE CONTROL
46150055	UE	N	1	CART LENS
4A150051AA	UE	N	1	CART VIEW FINDER
4A150460	UE	N	1	CART POWER SUPPLY
3A964884		P	1	RADIATEUR
39964892AA		P	1	RENFORT EPAULIERE
46152780AA		F	1	KIT2 BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1	QUEUE D ARONDE FEMELLE
39965716		P	1	SUPPORT RADIATEUR
46153121AA		P	1	GLISSIERE HAUTE EQUIPEE
46153122AA		P	1	GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ LOT MARQUAGE CORPS 1657
46152866AA		A	1	EPAULIERE
46152944AB		P	1	ENS. AXE DE VISEUR
47018305		F	1	PGNE EQUIPEE
4A018063		N	1	CABL RACCORDEMENT POIGNEE TTV 1657
47033918AA	UF	F	1	BANA %%1000 IT 16/9 NTSC ELEC 1657D
16518776BA	NT	F	1	CARP ANALYSE 1000PTS IT 16/9 NTSC
16518775AB		P	1	CIUP BLOC ANALYSE 1000PTS IT 16/9
46150619BA	UE	N	1	CART SAMPLE AND HOLD 16:9 1000PTS
4A150634AA	UE	N	3	CART SOCKET IT 16/9 RGB
4A150637AA	UE	N	1	CART DRIVERS IT 16/9
4A150641BA	UE	N	1	CART TIMING IT 16:9/4:3 525L
47018056	NT	F	1	KIT2 CABL ET MECA BLOC ANALYSE 1657
47033920AA		F	1	ETIM 20X05 'CCD TYPE 21'
B1657D902A		G	1	NOT. EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5	CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DM13B 1657D 1000 NTSC 16/9 MANU NF

B1657DM13B	PE	G			1657D 1000 NTSC 16/9 MANU NF
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033569BA	UF	F	1		BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
16518779AA	NT	F	1	CARP	TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP	TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART	NTSC1 ENCODER
4A033347AA	UE	N	1	CART	MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4D150401BA	UE	N	1	CART	DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
47033919AA	UF	F	1	BANA	%%1000 IT 16/9 NTSC MANU 1657D
16518776BA	NT	F	1	CARP	ANALYSE 1000PTS IT 16/9 NTSC
16518775AB		P	1	CIUP	BLOC ANALYSE 1000PTS IT 16/9
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
4A150634AA	UE	N	3	CART	SOCKET IT 16/9 RGB
4A150637AA	UE	N	1	CART	DRIVERS IT 16/9
4A150641BA	UE	N	1	CART	TIMING IT 16:9/4:3 525L
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033920AA		F	1	ETIM	20X05 'CCD TYPE 21'
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

FIN DE L'ARBORESCENCE

B1657DE62B 1657D 625 FIT16/9 1000P ELEC

B1657DE62B	PE	G			1657D 625 FIT16/9 1000P ELEC
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033198AC	UF	F	1	BANA	FIT 16/9 1657D PAL ELEC NF
1E518758AF	NT	F	1	CARP	BLOC ANALYSE 16/9 NUM
1E518690AF		P	1	CIUP	BLOC ANALYSE 16/9 MAT
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
47032487	UE	N	2	CART	SOCKET FIT 16/9 VERT ROUGE
4A150066	UE	N	1	CART	SOCKET FIT 16/9
4A150394	UE	N	1	CART	DRIVER FIT 16:9/4:3
4B033255AA	UE	N	1	CART	TIMING FIT 16/9-4/3 2E VE
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033636AA		F	1	ETIM	20X05 'CCD TYPE 18'
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

B1657DM62B 1657D 625 FIT16/9 1000P MANU

B1657DM62B	PE	G			1657D 625 FIT16/9 1000P MANU
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033199AC	UF	F	1	BANA	FIT 16/9 1657D PAL MANU NF
1E518758AF	NT	F	1	CARP	BLOC ANALYSE 16/9 NUM
1E518690AF		P	1	CIUP	BLOC ANALYSE 16/9 MAT
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
47032487	UE	N	2	CART	SOCKET FIT 16/9 VERT ROUGE
4A150066	UE	N	1	CART	SOCKET FIT 16/9
4A150394	UE	N	1	CART	DRIVER FIT 16:9/4:3
4B033255AA	UE	N	1	CART	TIMING FIT 16/9-4/3 2E VE
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033636AA		F	1	ETIM	20X05 'CCD TYPE 18'
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

B1657DE63B 1657D 525 FIT16/9 1000P ELEC

B1657DE63B	PE	G			1657D 525 FIT16/9 1000P ELEC
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033340AC	UF	F	1	BANA	FIT 16/9 1657D NTSC ELEC NF
1A518764AB	NT	F	1	CARP	BLOC ANALYSE 16/9 NUM 525L
1E518690AF		P	1	CIUP	BLOC ANALYSE 16/9 MAT
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
47032487	UE	N	2	CART	SOCKET FIT 16/9 VERT ROUGE
47033338AA	UE	N	1	CART	TIMING FIT 16/9 NUM. 525L
4A150066	UE	N	1	CART	SOCKET FIT 16/9
4A150394	UE	N	1	CART	DRIVER FIT 16:9/4:3
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033869AA		F	1	ETIM	20X05 'CCD TYPE 19'
47033569BA	UF	F	1		BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
16518779AA	NT	F	1	CARP	TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP	TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART	NTSC1 ENCODER
4A033347AA	UE	N	1	CART	MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4D150401BA	UE	N	1	CART	DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

B1657DM63B 1657D 525 FIT16/9 1000P MANU

B1657DM63B	PE	G			1657D 525 FIT16/9 1000P MANU
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033339AC	UF	F	1	BANA	FIT 16/9 1657D 525 MANU NF
1A518764AB	NT	F	1	CARP	BLOC ANALYSE 16/9 NUM 525L
1E518690AF		P	1	CIUP	BLOC ANALYSE 16/9 MAT
46150619BA	UE	N	1	CART	SAMPLE AND HOLD 16:9 1000PTS
47032487	UE	N	2	CART	SOCKET FIT 16/9 VERT ROUGE
47033338AA	UE	N	1	CART	TIMING FIT 16/9 NUM. 525L
4A150066	UE	N	1	CART	SOCKET FIT 16/9
4A150394	UE	N	1	CART	DRIVER FIT 16:9/4:3
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033869AA		F	1	ETIM	20X05 'CCD TYPE 19'
47033569BA	UF	F	1		BLOC TRAIT COMUT FORMAT 525
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
16518779AA	NT	F	1	CARP	TRAITEMENT NUM COMMUT 525L
16518778AA		P	1	CIUP	TRAITEMENT NUM COMMUT 525L
46150418BA	UE	N	1	CART	NTSC1 ENCODER
4A033347AA	UE	N	1	CART	MPU BOARD NTSC -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4D150401BA	UE	N	1	CART	DIGITAL PROCESS NTSC
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

B1657DE64B 1657D 1250PTS PAL 16/9 ELEC NF

B1657DE64B	PE	G			1657D 1250PTS PAL 16/9 ELEC NF
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033567AA	UF	F	1	BANA	1250 FIT 16/9 PAL MOTO
16518770AA	NT	F	1	CARP	ANALYSE 1250 POINTS FIT 16/9
16518769AA		P	1	CIUP	ANALYSE 1250 POINTS FIT 16/9
46150605AA	UE	N	1	CART	TIMING FIT 1200 POINTS
46150606AA	UE	N	1	CART	DRIVERS FIT 16/9 1200 PTS.
46150607AA	UE	N	2	CART	SOCKET RED/GREEN 1200PTS
46150617AA	UE	N	1	CART	SOCKET BLEU 1200PTS
46150619AA	UE	N	1	CART	SAMPLE AND HOLD 1200POINTS
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033621AA		F	1	ETIM	20X05 'CCD TYPE 16'
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

B1657DM64B 1657D 1250PTS 16/9 PAL MANU NF

B1657DM64B	PE	G			1657D 1250PTS 16/9 PAL MANU NF
39965513		P	1		TRIPOD ATTACHMENT 1657
39965510		R	1		SEMELLE
46152781		F	1	PORT	DROITE EQUIPEE
46152782AA		P	1	ETIQ	LOT ETIQUETTE PORTES 1657D
47018071		P	1	EMBL	CARTON 1657-CA 85
47018307		F	1	PORT	GAUCHE EQUIPEE
47033568AA	UF	F	1	BANA	1250 FIT 16/9 PAL MANUEL
16518770AA	NT	F	1	CARP	ANALYSE 1250 POINTS FIT 16/9
16518769AA		P	1	CIUP	ANALYSE 1250 POINTS FIT 16/9
46150605AA	UE	N	1	CART	TIMING FIT 1200 POINTS
46150606AA	UE	N	1	CART	DRIVERS FIT 16/9 1200 PTS.
46150607AA	UE	N	2	CART	SOCKET RED/GREEN 1200PTS
46150617AA	UE	N	1	CART	SOCKET BLEU 1200PTS
46150619AA	UE	N	1	CART	SAMPLE AND HOLD 1200POINTS
47018056	NT	F	1	KIT2	CABL ET MECA BLOC ANALYSE 1657
47033621AA		F	1	ETIM	20X05 'CCD TYPE 16'
47033569AA	UF	F	1		BLOC TRAIT COMUT FORMAT 625
16518772AA	NT	F	1	CARP	TRAITEMENT NUMERIQUE COMMUT
16518771AA		P	1	CIUP	TRAITEMENT NUMERIQUE COMMUT
46150639AA	UE	N	1	CART	PAL ENCODER 1 -MP-
4A150615AA	UE	N	1	CART	DIGITAL PROCESS DAUGHTER
4C150400BA	UE	N	1	CART	ANALOG PROCESS
4C150403AA	UE	N	1	CART	MPU BOARD -MP-
4D150401AA	UE	N	1	CART	DIGITAL PROCESS MOTHER
16518774AA	NT	F	1	CARP	MOTHER BOARD + KEY
16518773AA		P	.5	CIUP	MOTHER BOARD- KEY 1657D
3A967988	UE	N	1	CART	KEY
4C150404AD	UE	N	1	CART	MOTHER BOARD 1657D
46150380		N	1	CART	INTERFACE BETA
1A518734AB	NT	F	1	CARP	PANEL POWER TTV1657D
1A518733AA		P	1	CIUP	PANEL POWER 1657D
39967977	UE	N	1	CART	FRONT CONTROL
3A967985	UE	N	1	CART	RMG BOARD
3B967976	UE	N	1	CART	SIDE CONTROL
46150055	UE	N	1	CART	LENS
4A150051AA	UE	N	1	CART	VIEW FINDER
4A150460	UE	N	1	CART	POWER SUPPLY
3A964884		P	1		RADIATEUR
39964892AA		P	1		RENFORT EPAULIERE
46152780AA		F	1	KIT2	BLOC TRAIT NUM COMMUT FORMAT
29290184		P	1		QUEUE D ARONDE FEMELLE
39965716		P	1		SUPPORT RADIATEUR
46153121AA		P	1		GLISSIERE HAUTE EQUIPEE
46153122AA		P	1		GLISSIERE BASSE EQUIPEE
4A018088		P	1	ETIQ	LOT MARQUAGE CORPS 1657
46152866AA		A	1		EPAULIERE
46152944AB		P	1		ENS. AXE DE VISEUR
47018305		F	1	PGNE	EQUIPEE
4A018063		N	1	CABL	RACCORDEMENT POIGNEE TTV 1657
B1657D902A		G	1	NOT.	EXTRA OPER. MANUAL 1657D
CONFIGPV		G	3.5		CONFIGURATION PRISE DE VUE

CAMÉRA

CAMERA

SCHÉMAS ET IMPLANTATIONS

SCHEMATIC - LAY OUT DIAGRAMS

700 PTS ANALYSIS BLOCK IT 4/3

- 700 PTS IT 4/3 CCD UNIT - 1C518761AC - 625L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0		
TIMING P.C.B	47033303/A	47033303	47033303AA
DRIVER P.C.B.	4A150300/B	4A150300	4A150300
SAMPLE AND HOLD P.C.B.	46150665/B	46150619	46150619CA
SOCKET GREEN RED P.C.B.	4A032649/A	4A032649	4A032649AA
SOCKET BLUE P.C.B.	4A032304/A	4A032304	4A032304AA

- 700 PTS IT 4/3 CCD UNIT - 1B518765AB - 525L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0		
TIMING P.C.B	47033341/A	47033341	47033341AA
DRIVER P.C.B.	47032975/A	47032975	47032975
SAMPLE AND HOLD P.C.B.	46150665/B	46150619	46150619CA
SOCKET GREEN RED P.C.B.	4A032649/A	4A032649	4A032649AA
SOCKET BLUE P.C.B.	4A032304/A	4A032304AA	4A032304AA

1000 PTS ANALYSIS BLOCK FIT 4/3 16/9

- 1000 PTS FIT 4/3 16/9 CCD UNIT - 1E518758AF - 625L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0		
TIMING P.C.B	4B033255/A	4B033255	4B033255AA
DRIVER P.C.B.	4A150394/C	4A150394	4A150394
SAMPLE AND HOLD P.C.B.	46150664/E	46150619	46150619BA
SOCKET GREEN RED P.C.B.	47032487/C	47032487	47032487
SOCKET BLUE P.C.B.	4A150066/B	4A150066	4A150066

- 1000 PTS FIT 4/3 16/9 CCD UNIT - 1A518764AB - 525L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0		
TIMING P.C.B	47033338/A	47033338	47033338AA
DRIVER P.C.B.	4A150394/C	4A150394	4A150394
SAMPLE AND HOLD P.C.B.	46150664/E	46150619	46150619BA
SOCKET GREEN RED P.C.B.	47032487/C	47032487	47032487
SOCKET BLUE P.C.B.	4A150066/B	4A150066	4A150066

1000 PTS ANALYSIS BLOCK IT 16/9

- 1000 PTS IT 16/9 CCD UNIT - 16518776AA - 625L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0 (1/1)		
TIMING P.C.B	4A150641/B	4A150641	4A150641AA
DRIVER P.C.B.	4A150637/B	4A150637	4A150637AA
SAMPLE AND HOLD P.C.B.	46150664/E	46150619	46150619BA
SOCKET RGB P.C.B.	4A150634/A	4A150634AA	4A150634AA

- 1000 PTS IT 16/9 CCD UNIT - 16518776BA - 525L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0 (1/1)		
TIMING P.C.B	4A150641BA/B	4A150641	4A150641BA
DRIVER P.C.B.	4A150637/B	4A150637	4A150637AA
SAMPLE AND HOLD P.C.B.	46150664/E	46150619	46150619BA
SOCKET RGB P.C.B.	4A150634/A	4A150634	4A150634AA

1250 PTS ANALYSIS BLOCK FIT 16/9

- 1250 PTS FIT 16/9 CCD UNIT - 16518770AA - 625L

DESIGNATION	Schematic Diagrams	Layout Diagrams	Parts lists
INTERCONNECTION	WD0 (1/1)		
TIMING P.C.B	46150605AA/A	46150605	46150605AA
DRIVER P.C.B.	46150606/B	46150606	46150606AA
SAMPLE AND HOLD P.C.B.	46150667/C	46150619	46150619AA
SOCKET GREEN RED P.C.B.	46150607/A	46150607	46150607AA
SOCKET BLUE P.C.B.	46150617/A	46150617	46150617AA

- 1250 PTS FIT 16/9 CCD UNIT - (RESERVED) - 525L

PROCESSING UNIT 625L

- PROCESSING UNIT - 625L - 16518732AA/16518772AA 16518734AA- 625L - (VERS.2)

DESIGNATION	
OVERALL INTERCONNECTION	WD60 (1/3 TO 3/3)
MOTHER BOARD P. C. B. 4C150404AC/E	SD61 (1/4 TO 4/4) LD61 (1/1 TO 1/1)
MPU P. C. B. 4C150403AX/A	SD62 (1/9 TO 9/9) LD62 (1/2 TO 2/2)
ANALOG PROCESS P.C.B. (Vers.1) 4A150400/H	SD63 (1/5 TO 5/5) LD63 (1/1)
ANALOG PROCESS P.C.B. (Vers.2) 4C150400AX/A	SD63 V2 (1/5 TO 5/5) LD63 V2 (1/2 TO 2/2)
DIGITAL PROCESS P.C.B. (Vers.1) 4B150401/E	SD64 (1/11 TO 11/11) LD64 (1/1)
DIGITAL PROCESS 1 MOTHER P.C.B. 4D150401AX/A (Vers.2)	SD64M (1/8 TO 8/8) LD64M (1/2 TO 2/2)
DIGITAL PROCESS 1 DAUGHTER P.C.B. 4A150615AX/A (Vers.2)	SD64D (1/3 TO 3/3) LD64D (1/1)
PAL ENCODER P.C.B. (PAL Vers.1) 4A150402/J	SD65 (1/4 TO 4/4) LD65 (1/1)
PAL1 ENCODER P.C.B. (PAL Vers.2) 46150639AX/A	SD65 V2 (1/4 TO 4/4) LD65 V2 (1/2 TO 2/2)
POWER SUPPLY P.C.B. 4A150460/E	SD66 (1/3) LD66 (1/1)
KEY P.C.B 3A967988/A	SD67 (1/1) LD67 (1/1)
FRONT CONTROL P.C.B 39967977/A	SD68 (1/1) LD68 (1/1)
RMG P.C.B. 3A967985/C	SD69 (1/1) LD69 (1/1)
SIDE CONTROL P.C.B. 3B967976/A	SD70 (1/1) LD70 (1/1)
VIEWFINDER P.C.B. 46150051/A	SD71 (1/1) LD71 (1/1)
LENS P.C.B. 46150055/B	SD72 (1/1) LD72 (1/1)
FILTER WHEELS P.C.B.	SD73 (1/1)

PROCESSING UNIT 525L

- PROCESSING UNIT - 16518734AA - 16518754AA - 525L -

DESIGNATION	
OVERALL INTERCONNECTION	WD60 (1/3 TO 3/3)
MOTHER BOARD P. C. B. 4C150404AC/E	SD61 (1/4 TO 4/4) LD61 (1/1 TO 1/1)
MPU P. C. B. 47033347AA/D	SD62N (1/9 TO 9/9) LD62 (1/2 TO 2/2)
ANALOG PROCESS P.C.B. 4A150400/H	SD63 (1/5 TO 5/5) LD63 (1/1)
DIGITAL PROCESS P.C.B. 47033346AA/D	SD64N (1/11 TO 11/11) LD64N (1/1)
NTSC ENCODER P.C.B. 46150418AA/D	SD65N (1/4 TO 4/4) LD65N (1/1)
POWER SUPPLY P.C.B. 4A150460/E	SD66 (1/3 TO 3/3) LD66 (1/1)
KEY P.C.B 3A967988/A	SD67 (1/1) LD67 (1/1)
FRONT CONTROL P.C.B 39967977/A	SD68 (1/1) LD68 (1/1)
RMG P.C.B. 3A967985/B	SD69 (1/1) LD69 (1/1)
SIDE CONTROL P.C.B. 3B967976/A	SD70 (1/1) LD70 (1/1)
VIEWFINDER P.C.B. 46150051/A	SD71 (1/1) LD71 (1/1)
LENS P.C.B. 46150055/B	SD72 (1/1) LD72 (1/1)
FILTER WHEELS P.C.B.	SD73 (1/1)

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OVERALL INTERCONNECTION

1	GND
2	DH
3	DV
4	FLD
5	CLP_1
6	CLP_2
7	SS1_6
8	SS2_6
9	MISO
10	MOSI
11	SCK
12	SS0_6
13	(RESERVED) TEMP
14	CK28_B/RET
15	CK28_B
16	GND

1	
2	RET_RGB
3	GREEN
4	RET_RGB
5	RED
6	RET_RGB
7	BLUE
8	RET_RGB

A1	-5VB
B1	-5VB
A2	GND
B2	GND
A3	+5VB
B3	+5VB
A4	GND
B4	GND
A5	SHP
B5	SHP
A6	SHD
B6	SHD
A7	SHS
B7	SHS
A8	BLK TRANSFER
B8	BLK TRANSFER
A9	R_CORR_PIX
B9	R_CORR_PIX
A10	V_CORR_PIX
B10	V_CORR_PIX
A11	B_CORR_PIX
B11	B_CORR_PIX
A12	MARQ
B12	MARQ
A13	
B13	
A14	
B14	
A15	
B15	
A16	
B16	
A17	
B17	
A18	
B18	
A19	
B19	
A20	
B20	
A21	
B21	
A22	
B22	
A23	
B23	
A24	
B24	
A25	
B25	

J/P301 — J/P34

J/P302 — J/P32

J/P303 — J/P33

J/P30 — J/P35

SAMPLE AND HOLD

TIMING

DRIVERS

J/P31 — J/P41

J/P31 — J/P2 — RED J/P1 — J/P60

J/P32 — J/P2 — GREEN J/P1 — J/P50

J/P33 — J/P2 — BLUE J/P1 — J/P40

3 x SOCKET

1	GND
2	VIDEO CCD
3	GND
4	GND

1	Y_CCD1
2	RST
3	VA1
4	VA2
5	VA3
6	VA4
7	GND
8	H1
9	H2
10	GND
11	(RESERVED) VB1
12	(RESERVED) VB2
13	(RESERVED) VB3
14	(RESERVED) VB4
15	SUB
16	-10V

1	VCCD/1
2	VCCD/2
3	+9VB
4	+5V_DIGITAL
5	+5VB/1
6	+5VB/2
7	-5VB/1
8	-5VB/2
9	GND
10	GND
11	+12V_BATT
12	+12V_BATT
13	+12V_BATT
14	-BATT
15	-BATT
16	-BATT

A1	-5VB
B1	-5VB
A2	GND
B2	GND
A3	+5VB
B3	+5VB
A4	GND
B4	GND
A5	+9VC
B5	+9VC
A6	+16V_A
B6	+16V_A
A7	+16V_B
B7	+16V_B
A8	+9VB
B8	+9VB
A9	
B9	
A10	PG
B10	
A11	H1
B11	H2
A12	CH1
B12	VB4
A13	VA4
B13	VB3
A14	VA3
B14	VB2
A15	VA2
B15	VB1
A16	VA1
B16	CH2
A17	CHS
B17	PS
A18	H/2
B18	
A19	
B19	
A20	
B20	
A21	
B21	
A22	
B22	
A23	
B23	
A24	GND
B24	GND
A25	GND
B25	GND

CAMERA

WDO 1/1

TITLE: INTERCONNECTION

THOMSON

DRAWING NO	REV	CODE	SHEET	BLOCK
		046	01/01	

SHT	D2	D1	D0
OFF	H	H	H
100	L	H	H
120	H	L	H
250	L	L	H
500	H	H	L
1000	L	H	L
VAR	L	L	L

SAMPLE AND HOLD

SHP
SHD
SHS
BLK TRANSFER

DRIVERS

V TIMER

H TIMER

FREE

			CAMERA	
THOMSON	TITLE	TIMING IT 4/3		
	DRAWING NO	REV	CODE	SHEET	BLOCK
	47033303		030	01/02	

CONT SHUTTER

SPI

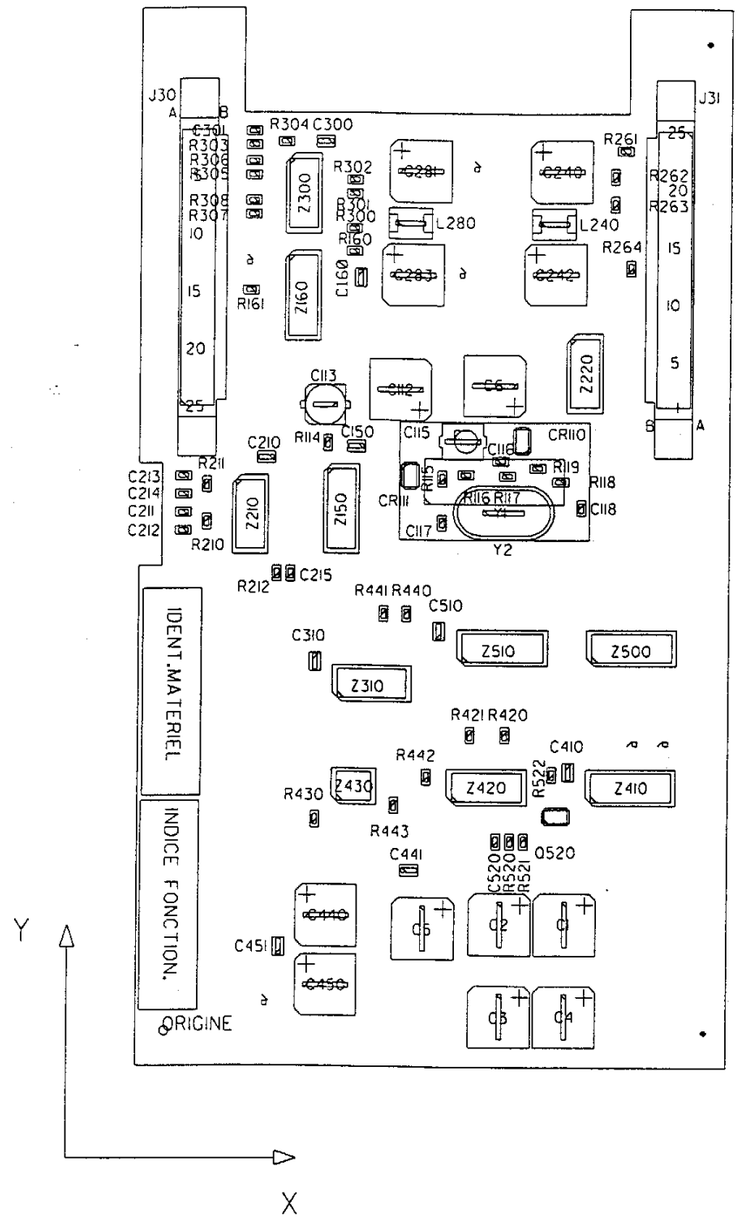
PIXEL CORRECTION

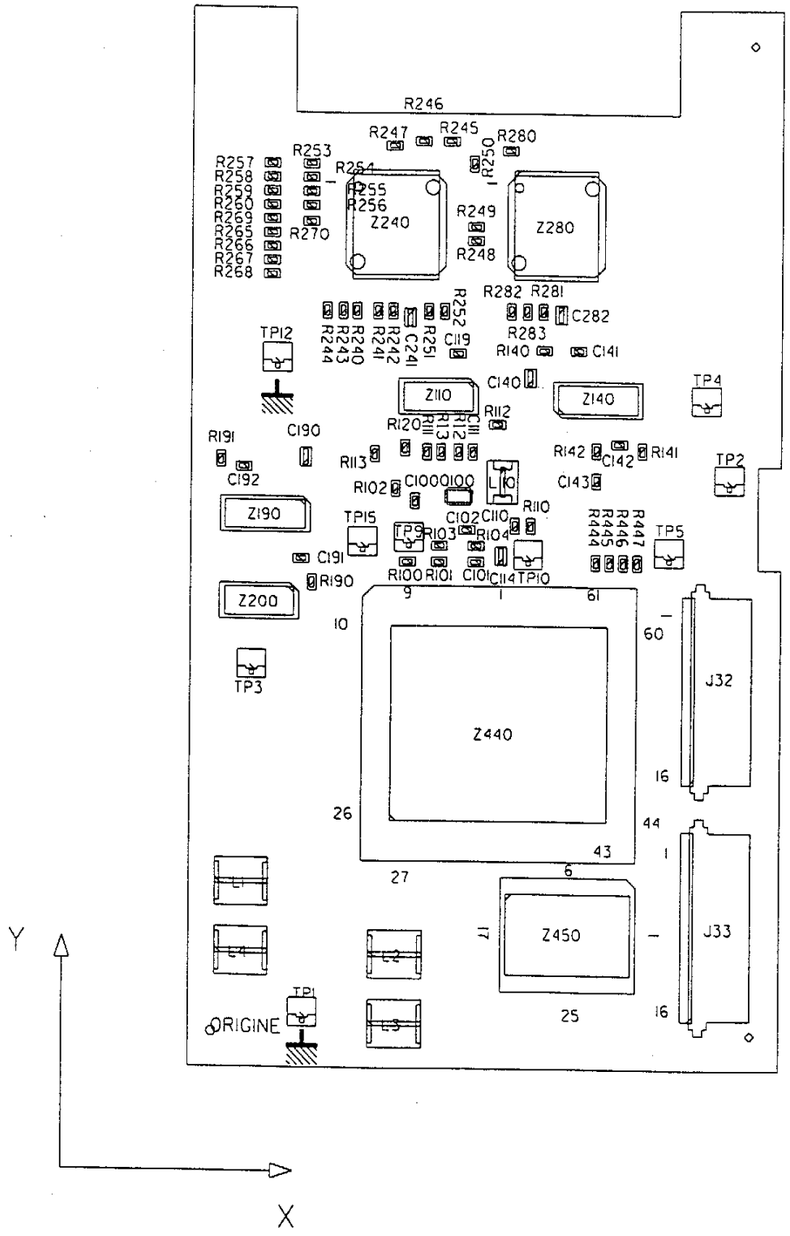
OVERALL INTERCONNECTION

OVERALL INTERCONNECTION

FREE

					CAMERA
	TITLE				
	TIMING IT 4/3				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	47033303		030	02/02	





						CAMERA
	TITLE: TIMING IT 4/3					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033303		046	01/01		

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TP2 · V.CC02 · +9V8 · +13V · +12V · TP1 · TP13 · TENSION A1, A3, H · SHUTTER LEVEL · +25V · FREE · TP14 · -10V · +12V · +9VC · +5V8 · CH5 2/2 · H/2

V DRIVER

TENSION A1, A3, H · TENSION A2, A4, H · TENSION V4, V2, L · TENSION V1, V3, L · NC · R200 0Ω · R210 0Ω · R220 0Ω · Z200 UPD16502S · Z210 UPD16502S · Z220 UPD16502S · CH2 · VA3 · CH1 · VA1 · VA4 · VA2 · BLUE · GREEN · RED · -8V · VA3B · VA1B · VA4B · VA2B · VA3V · VA1V · VA4V · VA2V · VA3R · VA1R · VA4R · VA2R · B B B B · G G G G · R R R R · VA · VB · HORLOGE 2/2

Z260 UPD16502S · Z270 UPD16502S · Z280 UPD16502S · VB3 · VB1 · VB4 · VB2 · VB3B · VB1B · VB4B · VB2B · VB3V · VB1V · VB4V · VB2V · VB3R · VB1R · VB4R · VB2R

Z555 UPD16502S · SHT · BLUE · GREEN · RED · 2/2 · MICROMELF 0.5%

CAMERA					
THOMSON	TITLE: DRIVER IT 4/3				
	DRAWNING NO	REV	CODE	SHEET	BLOCK
	4A150300		030	01/02	

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H DRIVER

TP3

AMPL RST

TIMING FIT

J41 CNC004862

HI

H2

PG

RST TP15

HI TP7

H2 TP8

HI TP9

H2 TP10

HI TP11

H2 TP12

TP4

TP5

TP6

SUB R

SUB V

SUB B

RED 1/2

GREEN 1/2

BLUE 1/2

J60 21031617S

J50 21031617S

J40 21031617S

TO SOCKET CCD RED

TO SOCKET CCD GREEN

TO SOCKET CCD BLUE

(RESERV.) TP20 PBLK

(RESERV.) TP21 -9VB

CH1

CH2

CH3

VA4

VB4

VA3

VB3

VA2

VB2

VA1

VB1

HORLOGE 1/2

SHT

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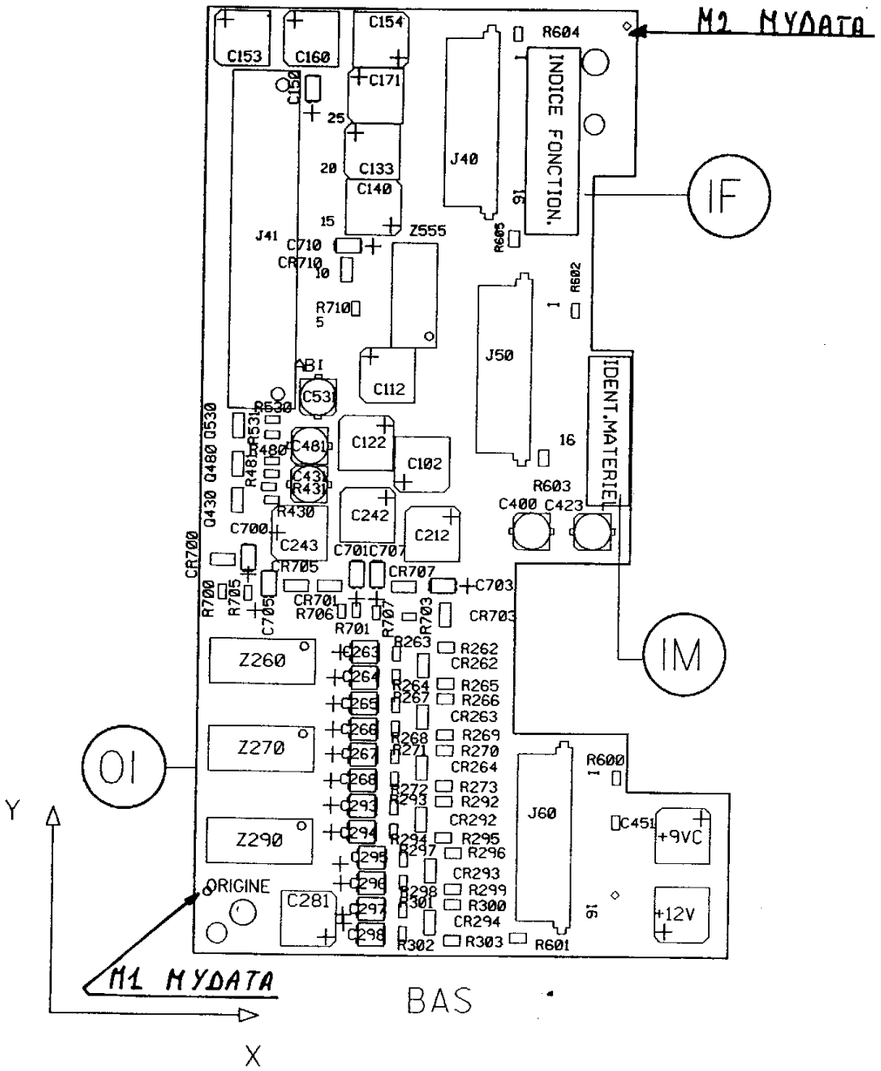
écrite d'une personne habilitée spécialement à cet effet par la
dite société

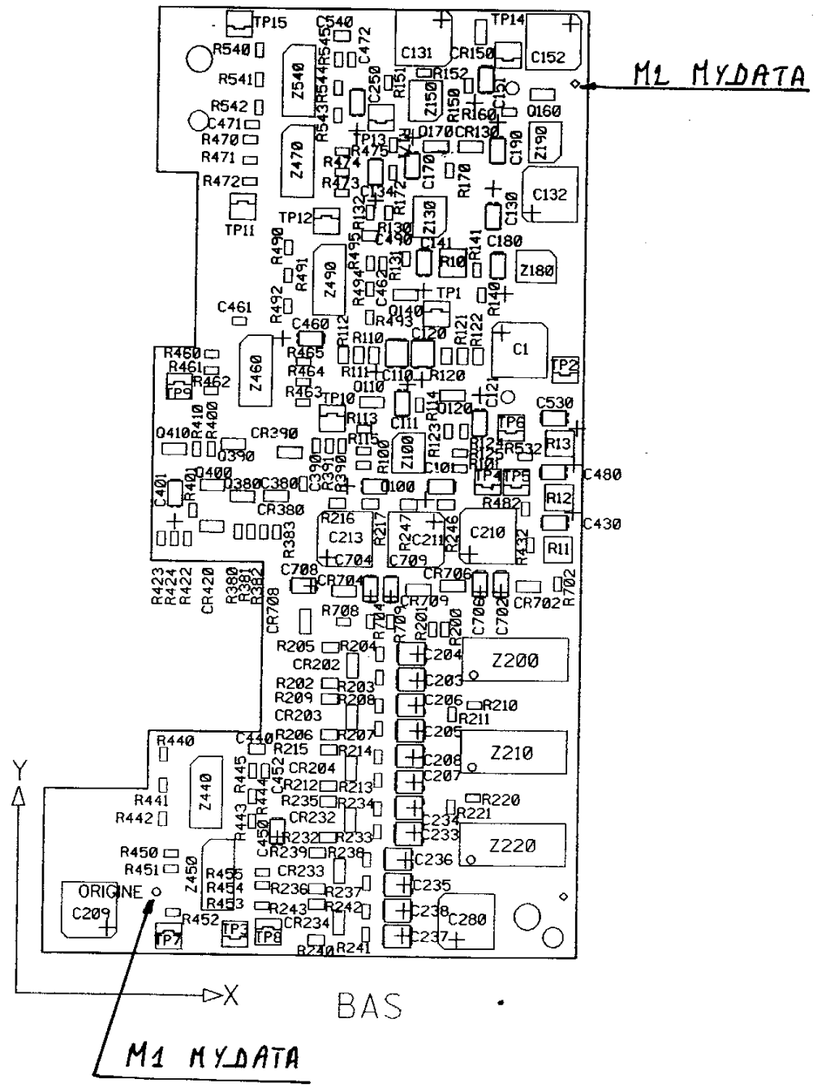
	CAMERA					
	TITLE: DRIVER IT 4/3					
THOMSON	DRAWNING NO: 4A150300	REV:	CODE: 030	SHEET: 02/02	BLOCK:	

HAUT



BAS

HAUT



BAS

						CAMERA
	TITLE	DRIVER IT 4/3				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4A150300		046	01/01		

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RED

INPUT RED CCD
52103304175
J31

Z200 74HC40533
C200 22U
R10 15K
R11 150
R12 2K
R13 100
R14 0
Q10 S03906
Q20 BS022
Q30 S03906
R30 2K
R31 100
CR10 BAV99S
CR100 BAV99S
CR1600
TP13
C30 0.1U
C40 22P
C41 8.2P
C42 0.1U
C43 4.7U NC
R40 100
R41 2K
R50 3K
Q40 SST309
Q50 S03904
C50 0.1U
C60 0.1U
Q60 BS022
Q70 BS022
C70 1U
NC R70 120K
R71 100
R72 47K
R73 330K
CR70 BA516
C71 10N
C80 22P
C81 4.7U NC
C82 2.2P
C83 2PF/6P
Q80 SST309
R80 2K
R81 47
CORRE PIX R
TP7
C165 22P NC
R163 1K
Q100 SST309
C100 22P
R100 2K
R101 0
R102 0 NC
R103 47
TP8
C101 1.5P
C102 2PF/6P
C103 8.5PF/50P
R150 910
R154 3.6K
R1 200
R161 1.2K
ADJUST R
OFFSET SHUTTER R
SHP1
TO Q620 Pollo 1/2
R165 1.5K
Z160 LT1229CS
C163 0.1U
C164 0.1U
TP1
R166 220
R1166 0 NC
R167 0
R168 0
R169 0
R170 0
R171 0
R172 0
R173 0
R174 220
DL1 OPS14XW 220-40NS
R190 1K
L190 1.8U
C190 68P
R191 33
L191 1.8U
C191 68P
R162 220 NC
R179 510
R177 75K
R178 220
R3 2K
GAIN R
Z150 LT1229CS
OUT R
TP2
R180 75
OUT_RED
PSVB_FLG
R2 20K
BIAS 0V R
MSVB_FLG
MIX
MK
Z1020 CD74AC245-EXT
Z1010 74AC085
R1013 33
R1012 33
TP14
R1011 10K
R200 470K
BLK_TRANSF
CORR_PIX
SHO
(PSVC: 14; GND: 7)
(PSVB: 14; GND: 7)

BLUE

INPUT BLUE CCD
52103304175
J33

Z600 74HC40533
C600 22U
R610 15K
R611 150
R612 2K
R613 100
R614 0
Q610 S03906
Q620 BS022
Q630 S03906
R630 2K
R631 100
CR610 BAV99S
CR1610 BAV99S
TP18
C630 0.1U
C640 22P
C641 8.2P
C642 0.1U
C643 4.7U NC
R640 100
R641 2K
R650 3K
Q540 SST309
Q650 S03904
C650 0.1U
C660 2.2P
Q660 BS022
Q670 BS022
C670 1U
NC R670 120K
R671 100
R672 47K
R673 330K
CR670 BA516
C671 10N
C680 22P
C681 4.7U NC
C682 2.2P
C683 2PF/6P
Q680 SST309
R680 2K
R681 47
CORRE PIX B
TP11
C765 22P NC
R783 1K
Q700 SST309
C700 22P
R700 2K
R703 47
TP12
C701 8.5PF/50P
R701 0
R760 910
R702 0 NC
R754 3.6K
R7 200
R761 1.2K
ADJUST B
OFFSET SHUTTER B
SHP1
SHP
R1001 100K
Z1002 74AC085
TP17
R1002 33
C620 10N
Z1020 CD74AC245-EXT
Z1002 74AC085
R1005 33
TP19
TP20
R1004 10K
R1003 100K
SHO
CORR_PIX
(PSVA: 14; GND: 7)
R765 1.5K
Z750 LT1229CS
C753 0.1U
C754 0.1U
TP5
R756 220
R1756 0 NC
R767 0
R768 0
R769 0
R770 0
R771 0
R772 0
R773 0
R774 220
DL3 OPS14XW 220-40NS
R790 1K
L790 1.8U
C790 68P
R791 33
L791 1.8U
C791 68P
R776 220 NC
R779 1K
R777 75K
R778 75
R9 500
GAIN B
Z750 LT1229CS
OUT B
TP6
R780 75
OUT_BLUE
MARK
R1021 100K
R802 10K

POWER DE :

Z1000 — PSVA\G — R1000 10 — C1000 0.1U
Z1010 — PSVB\G — R1010 10 — C1010 0.1U
Z1020 — PSVC\G — R1020 10 — C1020 0.1U

VCC = +5V
VEE = -5V

THOMSON BROADCAST						TTV1657
20-08-98						TITLE: SAMPLE AND HOLD IT 4:3 700 pts
	DRAWING No	REV	CODE	SHEET	BLOCK	
	461506651	B	030	1/2		

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GREEN

INPUT GREEN CCD

521030417S

J30

FROM TIMING

0533375

P35

TO PROCESS

521030817S

J38

ADJUST G

OFFSET SHUTTER G

BIAS 0V G

GAIN G

OUT G

TP4

OUT_GREEN

MIX

MIX

BLK_TRANSF

SHP1

CORR_PIX

SHD

SHS

MARK

COMMUT_A

TO Z1000 folio 1/2

TO Z1010-Z1010-Z1000 folio 2/2

TO Z1000 folio 2/2

TO Z1010-Z1010-Z1000 folio 1/2

TO Z1020 folio 1/2

CORRE PIX G

CORRE PIX R

TP9

TP10

TP15

TP16

TP21

TP3

OUT_GREEN

OUT_RED

OUT_BLUE

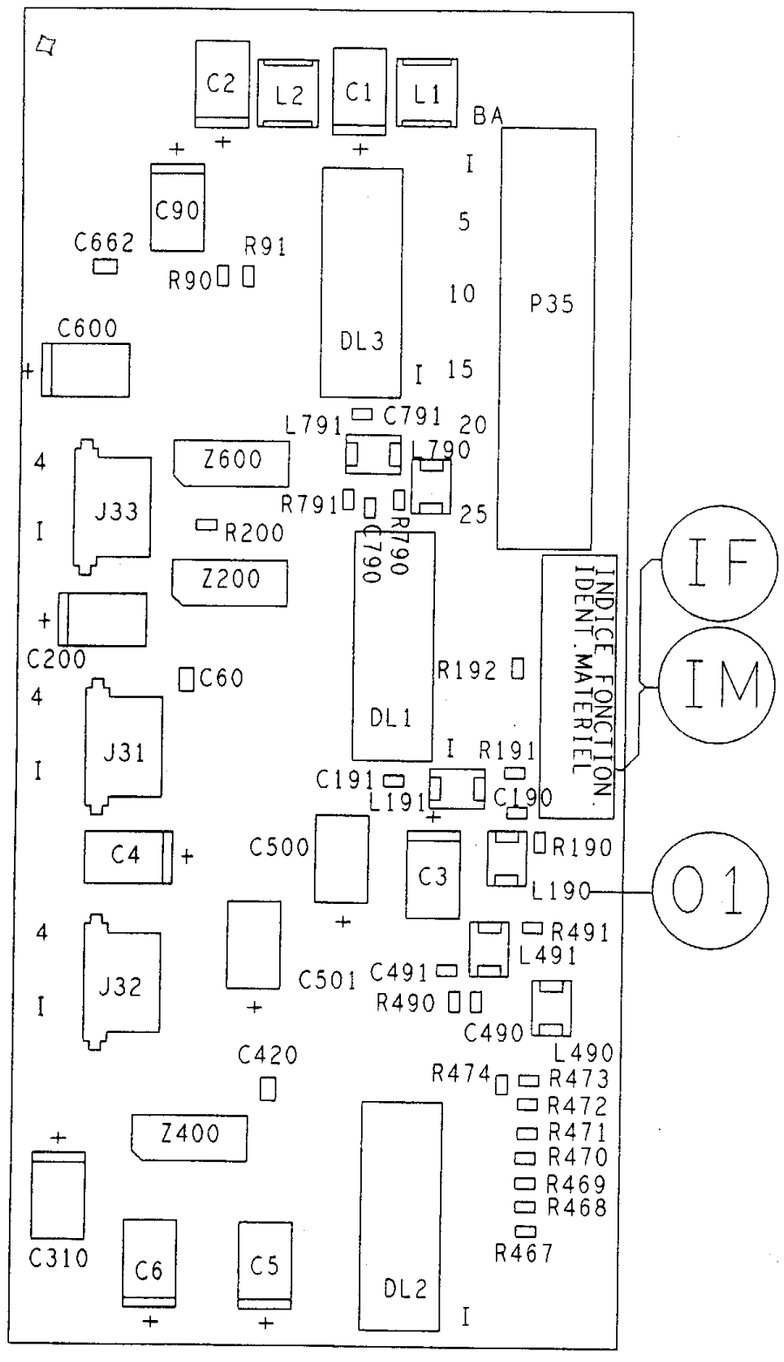
DECOUPLAGES ALIM

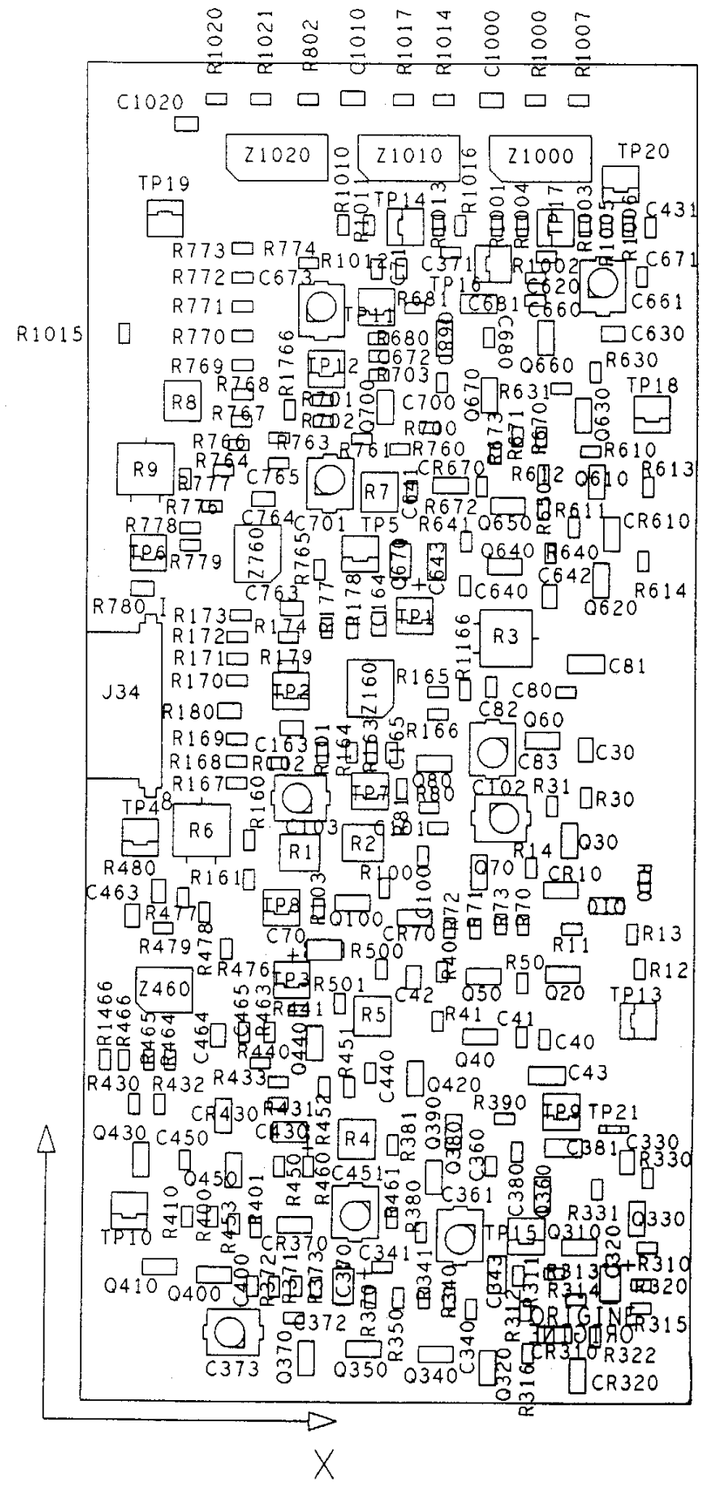
MSUB

FREE

VCC = +5V
VEE = -5V

				TTV1657	
20-08-98				TITLE SAMPLE AND HOLD IT 4:3 700 pts	
THOMSON BROADCAST	DRAWING No	REV	CODE	SHEET	BLOCK
	46150665	B	030	2/2	





						CAMERA
	TITLE	SAMPLE/HOLD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150619		046	01/01		

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CCD

FROM DRIVERS IT
5210316175
J1

TO SAMPLE AND HOLD
5210304175
J2

V_CCD1
M10V
VL-1V +0.3 -0.2
5V +0.5 -0.5
3V +0.5 -0.5

Z100
CCD3746CK4Y
CCD M37460CH

R100 47
R101 47
R102 47
R103 47
C100 0.1U
C101 0.1U
C102 0.1U
C103 0.1U
C106 0.1U
R107 10K
R108 1K
C1 22U
C2 10U
R104 47K
C104 2.2U
R105 8.2K
C105 2.2U
R106 12K
C110 10U
R110 3.3K
R111 47K
Q110 S03904
R112 0 NC
C111 10U
R113 680
NC C120 2.2P
R120 47
Q120 BF569S
R130 390
R132 68
Q130 BF520
R121 470
R131 4.7
NC TP1

170
180

10	RST	11			
20	A1	10			
30	A2	9			
40	A3	8			
50	A4	7			
60		6			
70		5			
80	H1	4			
90	H2	3			
100		2			
110		1			
120					
130					
140					
150					
160					

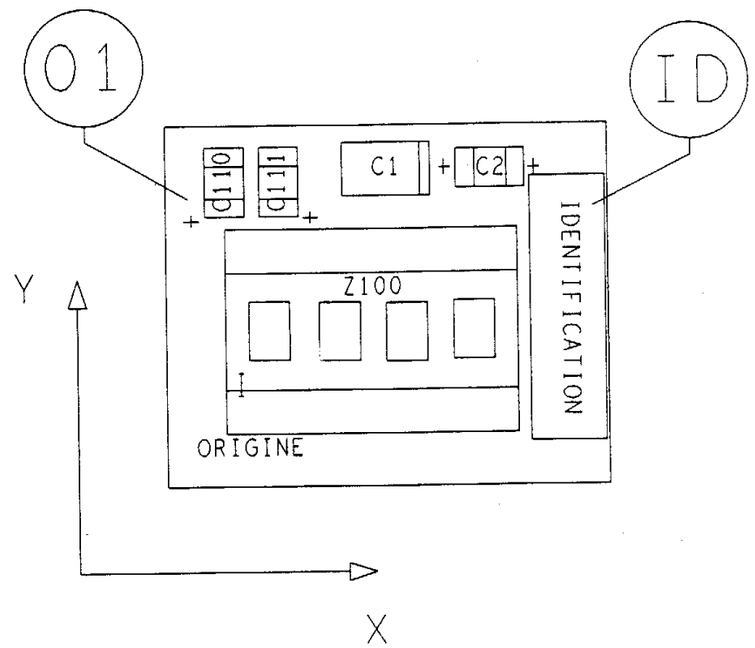
12	PT	VS	11
13	SUB	RS	10
14	PW	IG	9
15	IC	TG	8
19		SG	7
18		H1	6
17		H2	5
16		LG	4
		OG	3
		OB	2
		RD	1
		R	

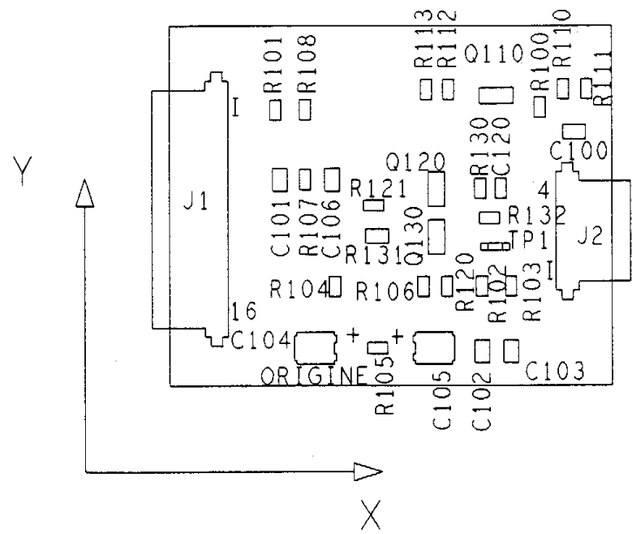
NC

1	
2	
3	
4	
5	
6	

TV1ES1

18-3-98	TITLE SOCKET IT 4/3 5. GREEN-RE				
THOMSON BROADCAST	DRAWING No	REV	CODE	SHEET	
	4A032649	A	230	1/1	





					CAMERA
	TITLE GREEN RED CCD SOCKET IT 4/3				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK
	4A032649		046	01/01	

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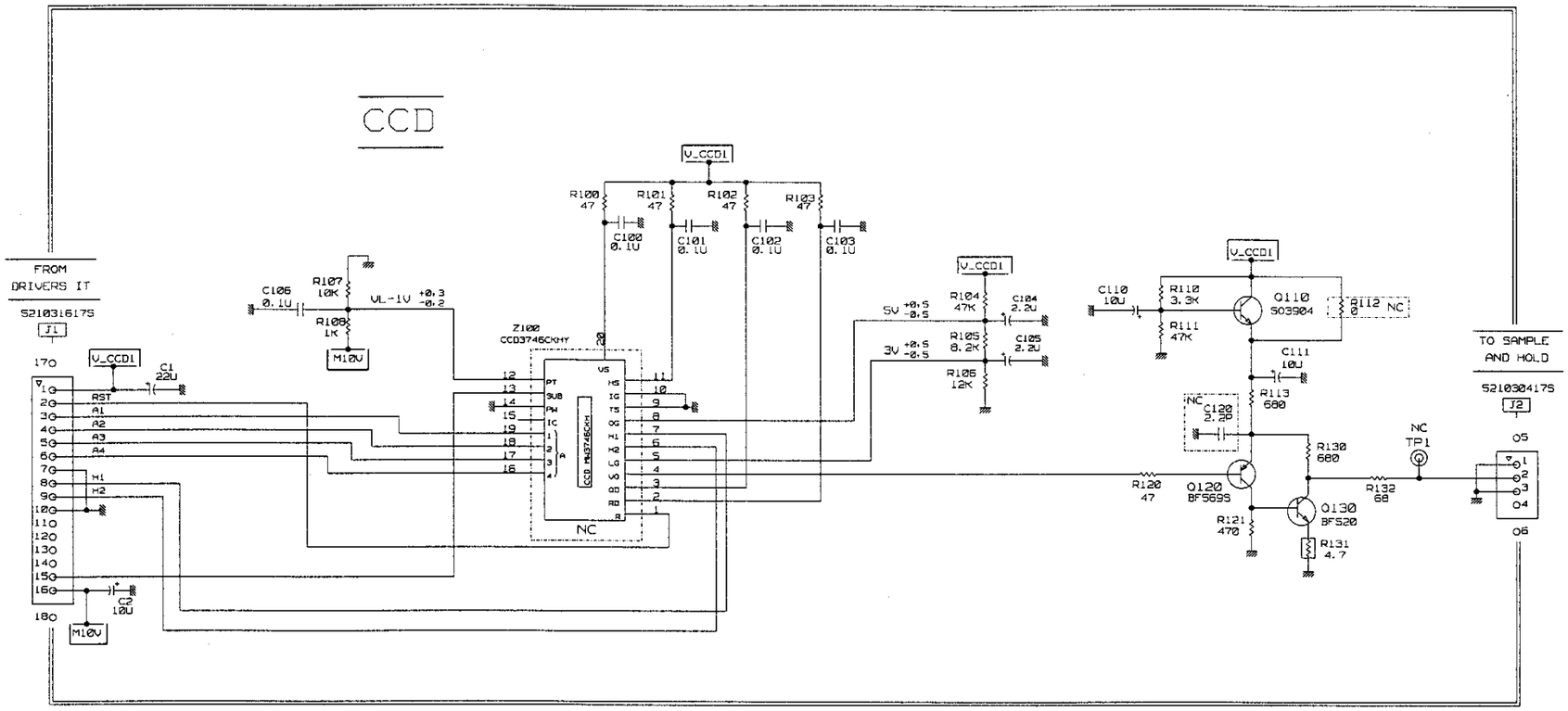
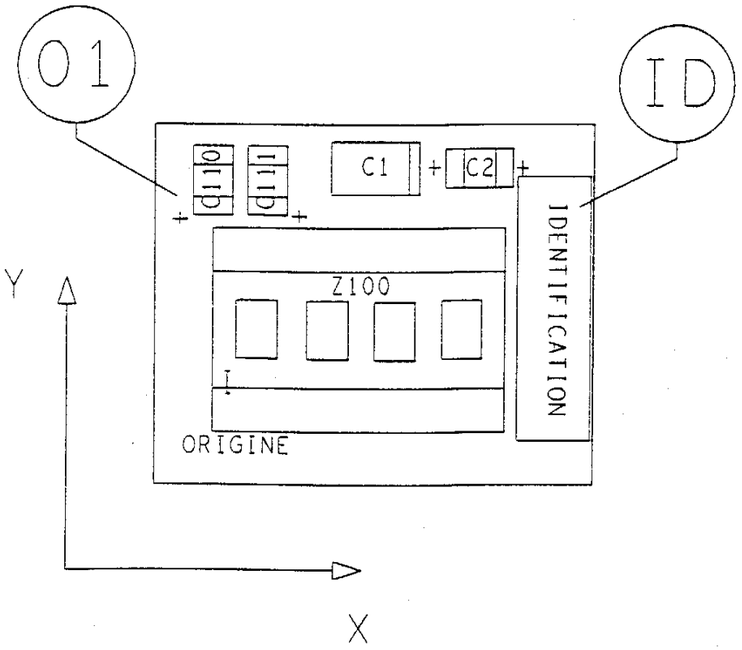
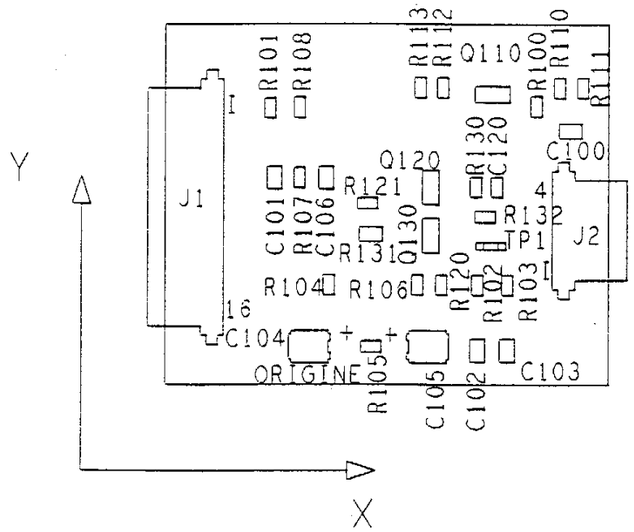
CCD



						TTV1657
17-3-98					TITLE: SOCKET IT 4/3 5V BLUE	
THOMSON BROADCAST	DRAWING No	REV	CODE	SHEET	BLOCK	
	4A032304	A	030	1/1		





						CAMERA
	TITLE	BLUE CCD SOCKET IT 4/3				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4A032304		046	01/01		

SHT		
D2	D1	D0
H	H	H
L	H	H
H	L	H
L	L	H
H	H	L
L	H	L
L	L	L

OFF
100
120
250
500
1000
VAR

SAMPLE AND HOLD

DRIVERS

CAMERA

TIMING IT 4/3 (N)

THOMSON

DRAWING NO	REV	CODE	SHEET	BLOCK
47033341		030	01/02	

TP12

OVERALL INTERCONNECTION

CONT SHUTTER

TP15

SHT_CONT

1/2

SPI

SHT_DO
SHT_DI
SHT_D2
IP16 RESERVED (SHT STEP ON)
IP17 RESERVED (CLR SCAN ON)
FRAME/FRAME_CC
FIELD/FRAME
FORMAT_16/9_4/3

OH
DV
FLD
CLP_1
CLP_2
SS1_6
SS2_6
MISO
MOSI
SCK
SS0_6
CK29_B/RET
CK29_B

1/2

SS1_6
MISO
MOSI
SCK
SS0_6
SS2_6

14.5MHZ
HD/CL

1/2

NC

33MF

PIXEL CORRECTION

R_CORR_PIX
V_CORR_PIX
B_CORR_PIX
VARO

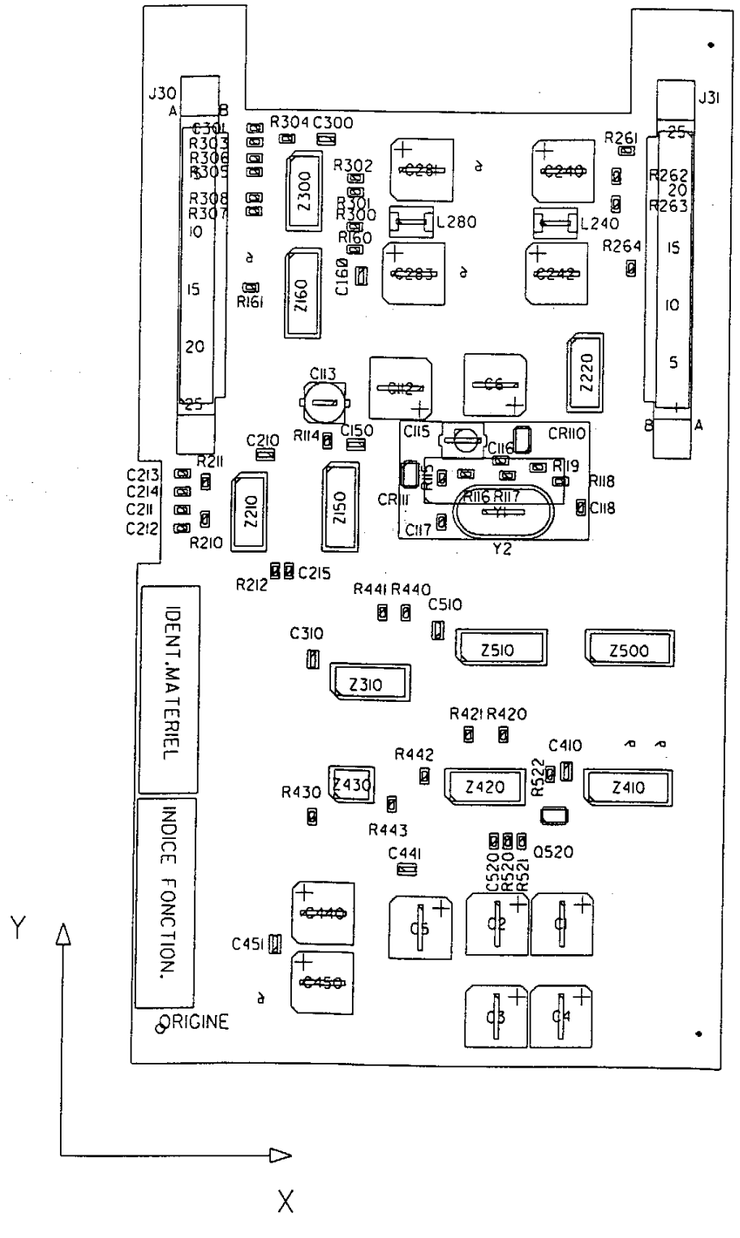
1/2

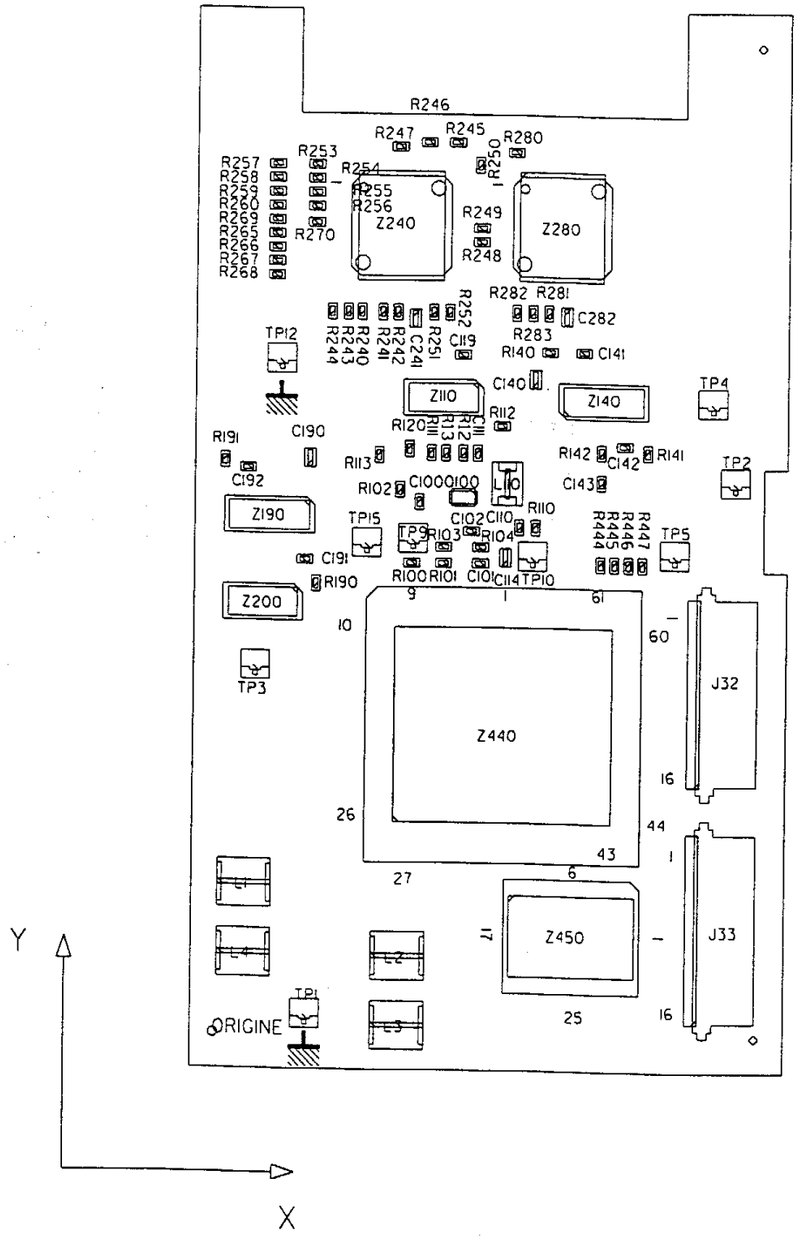
OVERALL INTERCONNECTION

+12V_BATT
-BATT

FREE

						CAMERA
	TITLE	TIMING IT 4/3 (N)				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033341		030	02/02		





						CAMERA
	TITLE: TIMING IT 4/3 (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033341		046	01/01		

TP2

+13V

+12V

V.CC02

TP1

SHUTTER LEVEL

+25V

TENSION A1, A3, H

TP13

FREE

TP14

-10V

-5V6

CHS 2/2

H/2

V DRIVER

TENSION A1, A3, H

TENSION A2, A4, H

TENSION V4, V2, L

TENSION V1, V3, L

BLUE

GREEN

RED

-8V

NC

R200 0Ω

R210 0Ω

R220 0Ω

VA

VB

HORLOGE 2/2

SHT

BLUE

GREEN

RED

2/2

MICROMELF 0.5%

CAMERA					
THOMSON	TITLE: DRIVER IT 4/3 (N)				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	47032975		030	01/02	

SCHEMATIC NAME: driver.sch SHEET NUMBER: 1 DATE: Feb 22, 1995

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H DRIVER

TP3

AMPL RST

TIMING FIT

J41 CNC084862

(RESERV.) TP20 PBLK

(RESERV.) TP21 -9VB

HORLOGE 1/2

SHT

CH1 CH2 CH3 1/2

VB4 VA4 VB3 VA3 VB2 VA2 VB1 VA1 H/2

RST TP15

HI TP7 H2 TP8

HI TP9 H2 TP10

HI TP11 H2 TP12

SUB R TP4

SUB V TP5

SUB B TP6

RED 1/2

GREEN 1/2

BLUE 1/2

J60 J50 J40 21031617S

TO SOCKET CCD RED

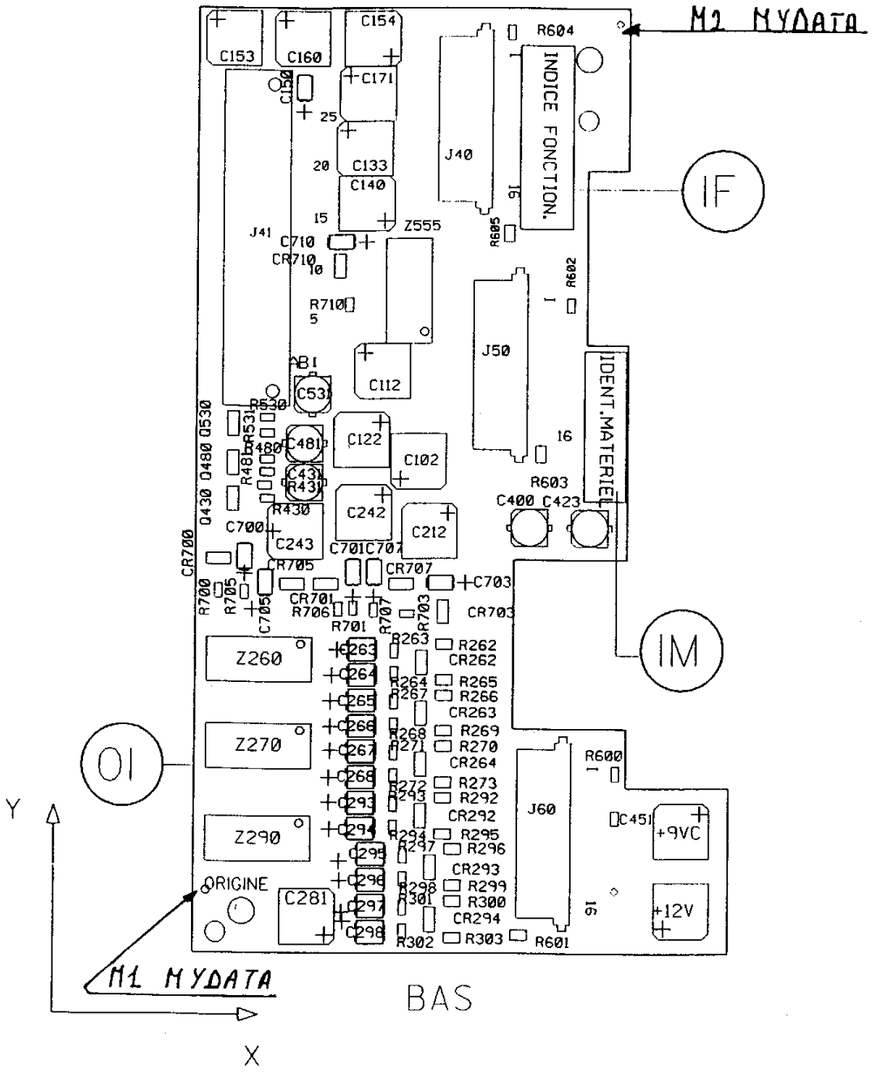
TO SOCKET CCD GREEN

TO SOCKET CCD BLUE

	CAMERA					
	TITLE: DRIVER IT 4/3 (N)					
THOMSON	DRAWING NO: 47032975	REV	CODE: 030	SHEET: 02/02	BLOCK	

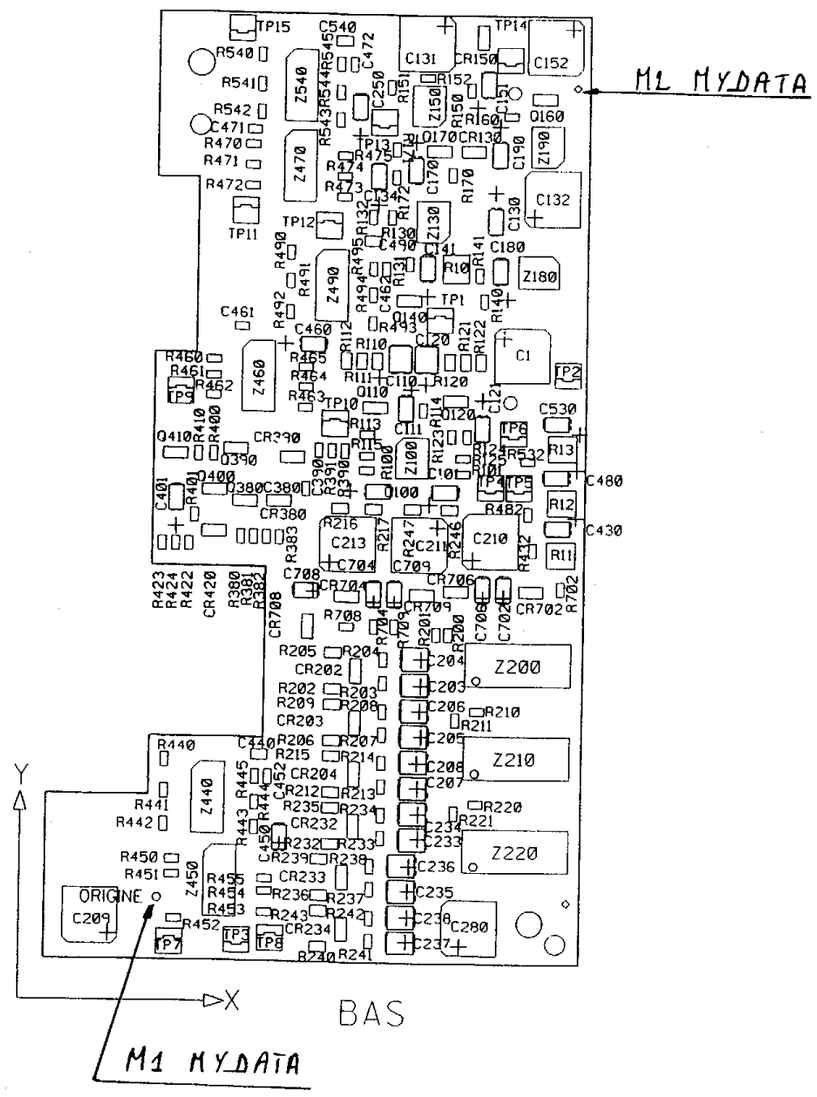
SCHEMATIC MODEL DRIVER.SCH SHEET NUMBER:2 DATE: Feb 22, 1995

HAUT



BAS

HAUT



BAS

						CAMERA
	TITLE: DRIVER IT 4/3 (N)					
THOMSON	DRAWING NO: 47032975	REV:	CODE: 046	SHEET: 01/01	BLOCK:	

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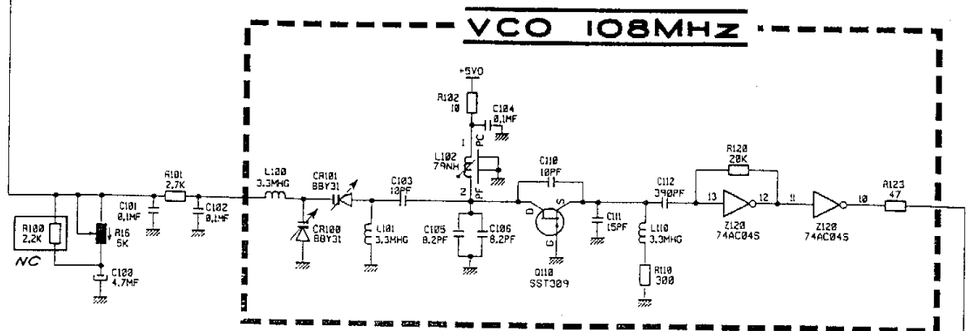
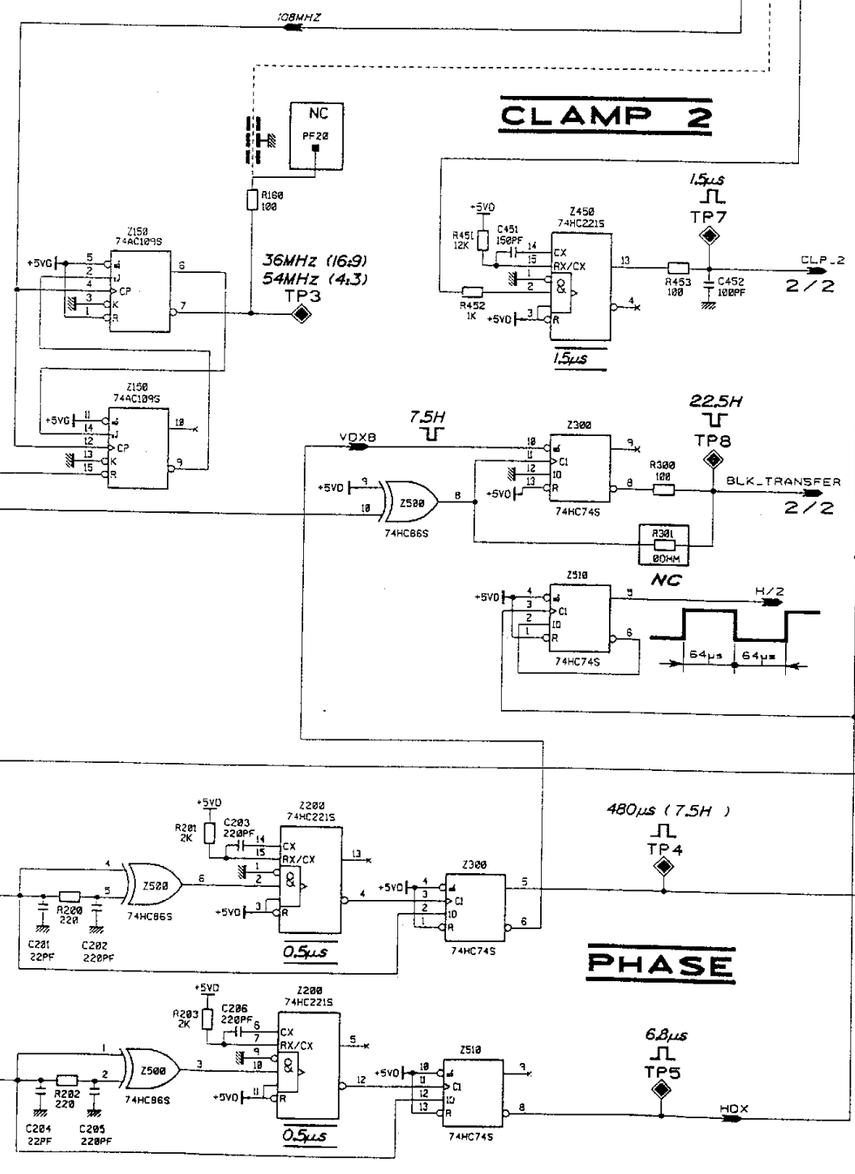
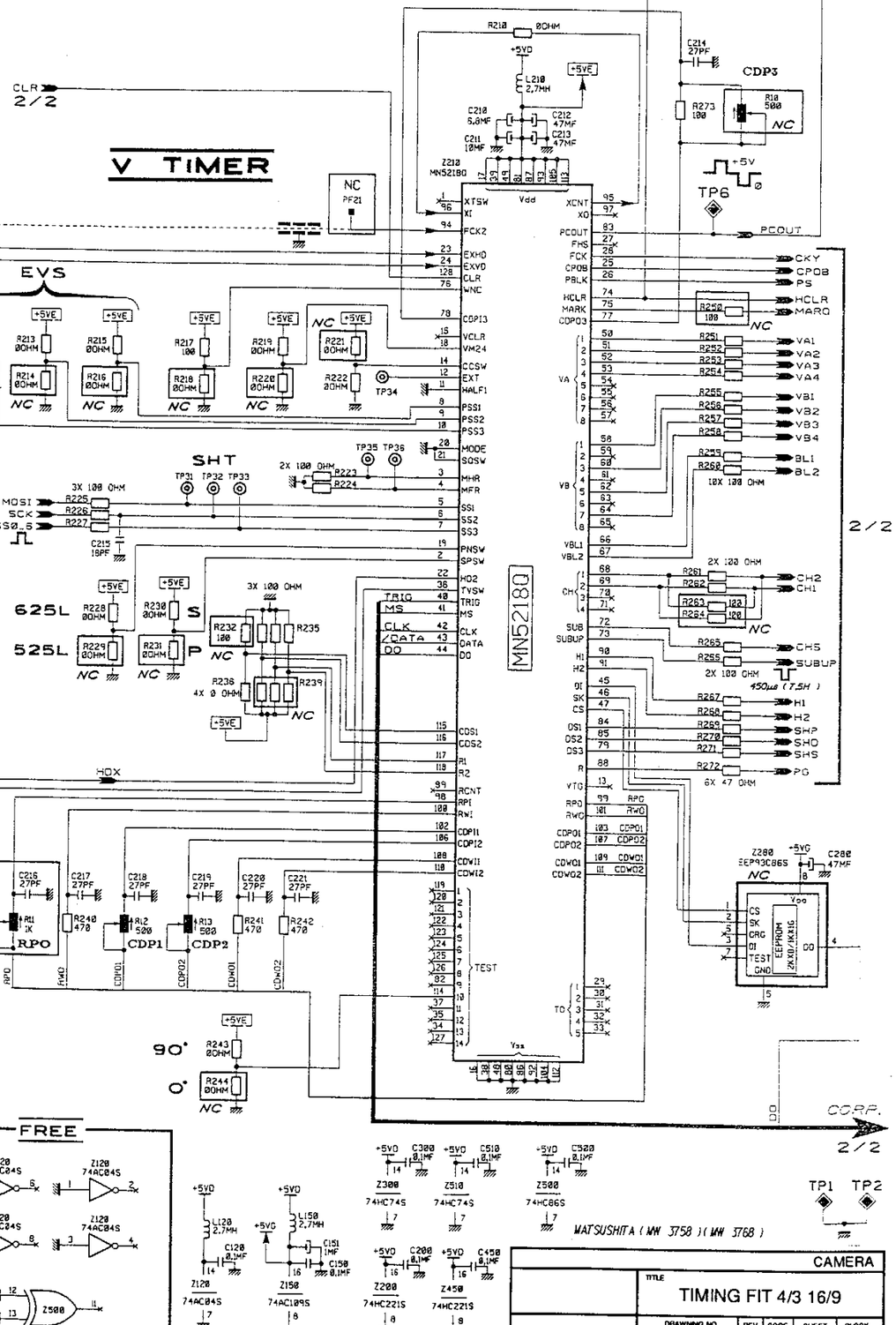
VCO 108MHz



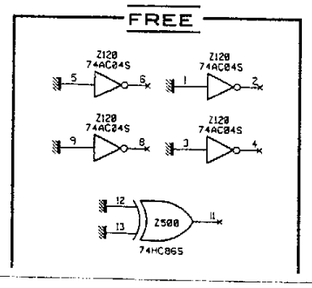
CLAMP 2



V TIMER



FREE



MATSUSHITA (MN 3758) (MN 3768)

TP1 TP2

						CAMERA
		TITLE	TIMING FIT 4/3 16/9			
THOMSON		DRAWING NO	REV	CODE	SHEET	BLOCK
		4B033255		030	01/02	

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OVERALL INTERCONNECTION

CORR. 1/2

TRIG, MS, DO, /DATA, CLK — R400–R404 100 — C400 18PF NC

SS2_6, MISO, MOSI, SCK

52103161R J32

DH, DV 1/2; FLD

CLP_2 1/2; SS1_6; SS2_6; MISO; MOSI; SCK; SS0_6; RESERVED (CK36_B/RET); RESERVED (CK36_B/RET)

R430 100K; R431 100K; R432 100K; R433 100K

TP12 CLAMP_I — R600 100 — C600 100PF — Z600 74HC08S — R602 10K — R601 10K — C602 39PF — CR600 BAR18 — CP08 1/2

Z400 74AC04S — R400 00HM — R401 00HM — CKY; HCLR NC

SPI

NC C401 10PF — Z400 EEP93C66S EEPROM 2KX8/1KX16 — SCK, MOSI, MISO

R411 100K; R412 100K — TP24 16:9; TP25 4:3; TP26

Z410 74HC74S; Z470 74HC74S — SCK, MOSI

CR450 BAS16 — R454 120K — C453 1MF — R455 47K — C454 220PF — Z450 74HC221S — CLR 1/2

16:9=1 4:3=0 — COMMUT_B 1/2

SAMPLE AND HOLD

CNC084861 J30

1/2: SHP, SHD, SHS, BLK_TRANSFER

R_CORR_PIX, V_CORR_PIX, B_CORR_PIX, MARQ, COMMUT_A

TP17 16:9 =0 1/2; 4:3 =1

COMMUT_A 1/2 — MOSI, SCK, SS0_6

DRIVERS

CNC084861 J31

+16V_B, +16V_A, +9V3, +9VC, +5V8, -5V8

TP11, TP10, TP13

1/2: PG, H1, H2, CH1, VB4, VA4, VB3, VA3, VB2, VA2, VB1, VA1, CH2, CHS, PS, BL1, BL2, H/2, SUBUP

PIXEL CORRECTION

Z420 EPM5128L 25NS — NC — C420 22MF; C421 0.1MF; C422 10PF

CKY, HCLR, FLD, COMMUT_A

R420 100 MOSI; R421 100 SCK; R422 100 SS2_6; R423 100 MISO

R424 100; R425 100 R_CORR_PIX; R426 100 V_CORR_PIX; R427 100 B_CORR_PIX; MARQ

ONE TIME PROGRAMMABLE LOGIC DEVICE — LABA, LABB, LABC, LABD, LABE, LABF, LABG, LABH

D0–D7; A0–A10

Z430 EEP2KX8CC 150NS — NC — C430 22MF; C431 0.1MF — EEPROM 2KX8 I/O

OVERALL INTERCONNECTION

52103161R J33

+16V_A, +16V_B — C15 47MF; L16 4,7MH

VCCD/1, VCCD/2, +9VB, +5VDIGITAL, +5VB/1, +5VB/2 TP23, -5VB/1, -5VB/2 TP22

C24 47MF; L17 4,7MH; C19 47MF; L18 4,7MH; C20 100MF; C18 47MF; C21 100MF

+12V_BATT, -BATT

FREE

Z400 74AC04S; Z600 74HC08S

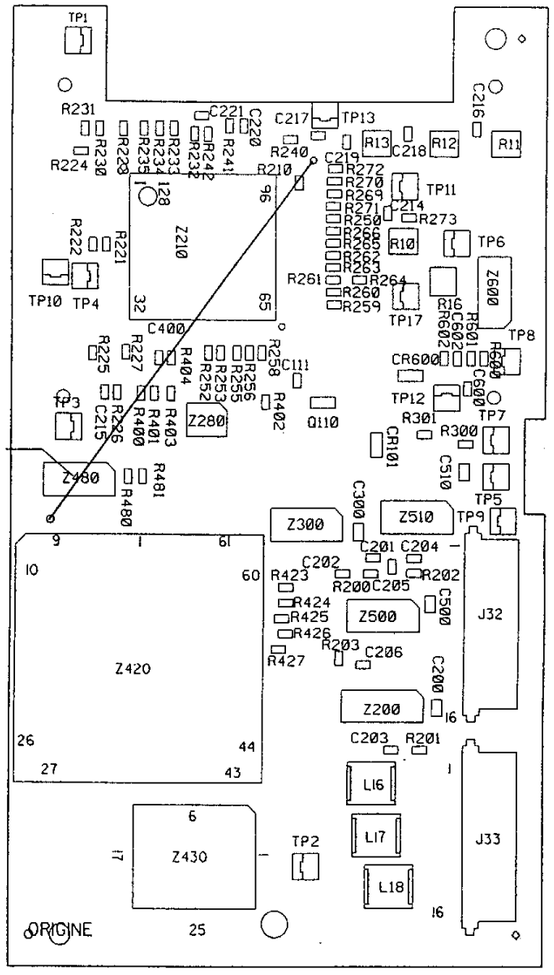
RESERVED

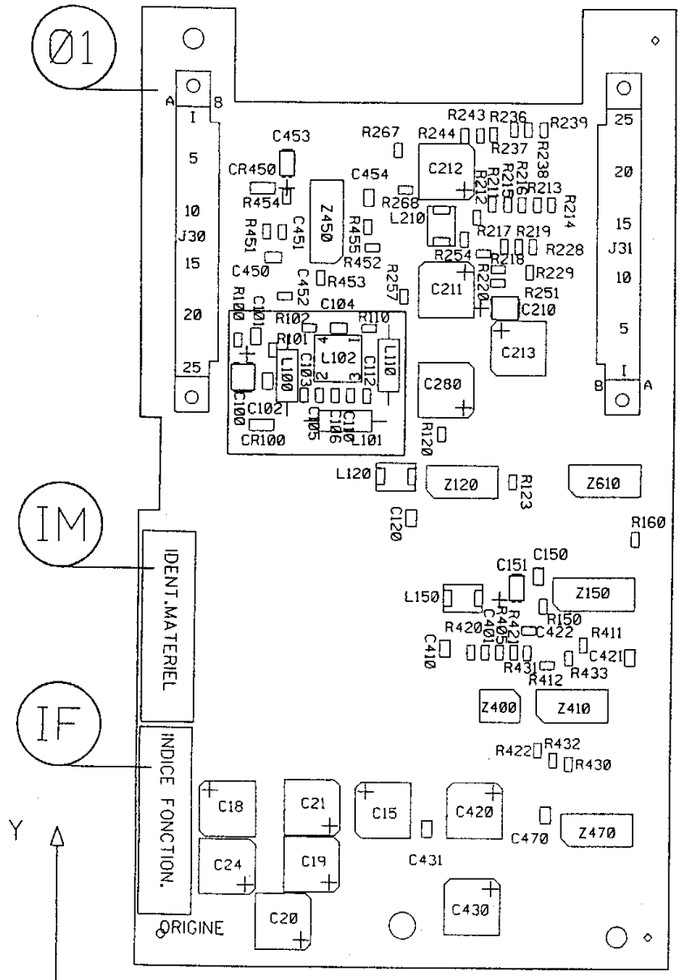
NC — Z610 74HC00S

+5VD: Z400 74AC04S; Z600 74HC08S; Z610 74HC00S; Z410 74HC74S; Z470 74HC74S

MATSUSHITA (WH 3758) (WH 3768)

	CAMERA					
	TITLE: TIMING FIT 4/3 16/9					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4B033255		030	02/02		





						CAMERA
	TITLE	TIMING FIT 4/3 16/9				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4B033255		046	01/01		

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H DRIVER

TP3

TIMING FIT
0533375

J41

C2 100MF -5V8
C1 100MF +5V8
+9VC
C3 47MF +9V8

+16V_A
+16V_B

PG
HI
H2

(RESERV.)
TP21
SUBUP

HORLOGE

+9V8 C102 22MF R110 10 R111 10 R112 10
R100 10K Z100 OP0082S R113 10 Q110 BCX19 C110 4.7MF16V +13V
C100 1MF C111 1MF R114 12K C112 47MF
R115 27K
TP2
+13V

+16V_B +9V8 R120 10 R121 10 R122 10
R101 10K Z100 OP0082S R119 10 Q120 BCX19 C120 4.7MF16V +11V
C101 1MF C121 1MF R123 6.2K C122 47MF
R124 27K
TP14
+11V

1MF R152 20K C160 47MF +5V8
R151 10K Z150 OP0082S R160 10 Q160 BCX17 -10V
C150 1MF R150 10K C152 22MF C153 22MF C154 47MF
CR150 BAV99
R153 10
-5V8

GEN-10V 2/3

+5V8 Z440 74AC08S NC R440 00HM R441 00HM R442 00HM R443 00HM R444 00HM R445 00HM C451 10PF C452 10PF
Z450 74ACT04S R450 15 R451 15 R452 15 R453 15 R454 15 R455 15
TP7 R_H1
TP8 R_H2
R 3/3

+5V8 Z490 74AC08S NC R490 00HM R491 00HM R492 00HM R493 00HM R494 00HM R495 00HM C461 10PF C462 10PF
Z460 74ACT04S R460 15 R461 15 R462 15 R463 15 R464 15 R465 15
TP9 G_H1
TP10 G_H2
G 3/3

+5V8 Z540 74AC08S NC R540 00HM R541 00HM R542 00HM R543 00HM R544 00HM R545 00HM C471 10PF C472 10PF
Z470 74ACT04S R470 15 R471 15 R472 15 R473 15 R474 15 R475 15
TP11 B_H1
TP12 B_H2
B 3/3

HI
H2

CH1 CR700 84C5V6 R700 15K C700 1MF VB4
CR701 84C5V6 R701 15K C701 1MF
CR702 84C5V6 R702 15K C702 1MF VA4
CR703 84C5V6 R703 15K C703 1MF VB3
CR704 84C5V6 R704 15K C704 1MF VA3
CR705 84C5V6 R705 15K C705 1MF VB2
CR706 84C5V6 R706 15K C706 1MF VA2
CR707 84C5V6 R707 15K C707 1MF VB1
CR708 84C5V6 R708 15K C708 1MF VA1
CR709 84C5V6 R709 15K C709 1MF CH2
CR710 84C5V6 R710 15K C710 1MF CHS 1/2
CR711 84C5V6 R711 15K C711 1MF BL1
CR712 84C5V6 R712 15K C712 1MF BL2
H/2

R130 10K C130 1MF Z130 OP0082S R140 100 Q140 BCX19 TP1
R131 100 R133 10 C131 22MF CR130 BAV99 C132 22MF C133 22MF
R132 10K C134 1MF Z130 OP0082S R170 100 Q170 BCX19 TP13 +25V
C140 10MF C141 1MF R10 50K SHUTTER LEVEL R141 22K
C170 1MF R171 43K C171 22MF R172 22K

GEN_SHT 2/3
V_SHT

+5V8 Z440 74AC08S C440 0.1MF
+5V8 Z490 74AC08S C490 0.1MF
+5V8 Z540 74AC08S C540 0.1MF
+5V8 Z450 74ACT04S C450 6.8MF
+5V8 Z460 74ACT04S C460 6.8MF
+5V8 Z470 74ACT04S C250 6.8MF

TTV1657

	TITLE					
	DRIVERS FIT 16:9/4:3 (MATSUSHITA "MN 3768")					
THOMSON BROADCAST	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150394	B	030	01/03		

SCHEMATIC NAME: driver.sch SHEET NUMBER: 1 DATE: Oct 6, 1995

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V DRIVER

V_SHT
CHS
GEN_SHT
GEN-KOV
1/3

TENSION A1, A3, M
TENSION A1, A3, M
TENSION A1, A3 A2, A4, L
TENSION A2, A4, M
TENSION B2, B4, M
TENSION B1, B3, M
TENSION B1, B3, L B2, B4, L

Z200 UPD16502S
Z210 UPD16502S
Z220 UPD16502S
Z260 UPD16502S
Z270 UPD16502S
Z290 UPD16502S
Z550 UPD16502S
Z190 D4426S
Z180 D4426S

-8.5VA
-8.5VB

VA3/7B VA1/5B VA4/8B VA2/6B
VA3/7G VA1/5G VA4/8G VA2/6G
VA3/7R VA1/5R VA4/8R VA2/6R
VB5/6B VB1/2B VB7/8B VB3/4B
VB5/6G VB1/2G VB7/8G VB3/4G
VB5/6R VB1/2R VB7/8R VB3/4R

SHT
VBLK
VBLJ
3/3

BLUE
GREEN
RED
3/3

RED
GREEN
BLUE

HORLOGE
1/3 HORLOGE

CLOCK V

VA1	VA1/5
VA2	VA2/6
VA3	VA3/7
VA4	VA4/8
VB1	VB1/2
VB2	VB3/4
VB3	VB5/6
VB4	VB7/8

MICROMELF 0.5%

	TTV1657					
	TITLE: DRIVERS FIT 16:9/4:3 (MATSUSHITA 'WW 3768')					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON BROADCAST	4A150394	A	030	02/03		

SCHEMATIC NAME: driver.sch SHEET NUMBER: 2 DATE: Oct 6, 1995

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VBL_1
VBL_2
2/3

CCD MW 3768IAE
MW 3758IAE

R801 connectée à lu f

1V

POSITIONNEMENT
DE S1

CCD MW 3768H
MW 3758H

R801 en plein

4,5V

AMPL RST

PG
1/3

SHT
2/3

SUB R

SUB V

SUB B

TP4

TP15

TP13

TP6

R801
2,2K
S1

2/3 RED

1/3 R_H1
R_H2

2/3 GREEN

1/3 G_H1
G_H2

2/3 BLUE

1/3 B_H1
B_H2

TO SOCKET CCD RED

TO SOCKET CCD GREEN

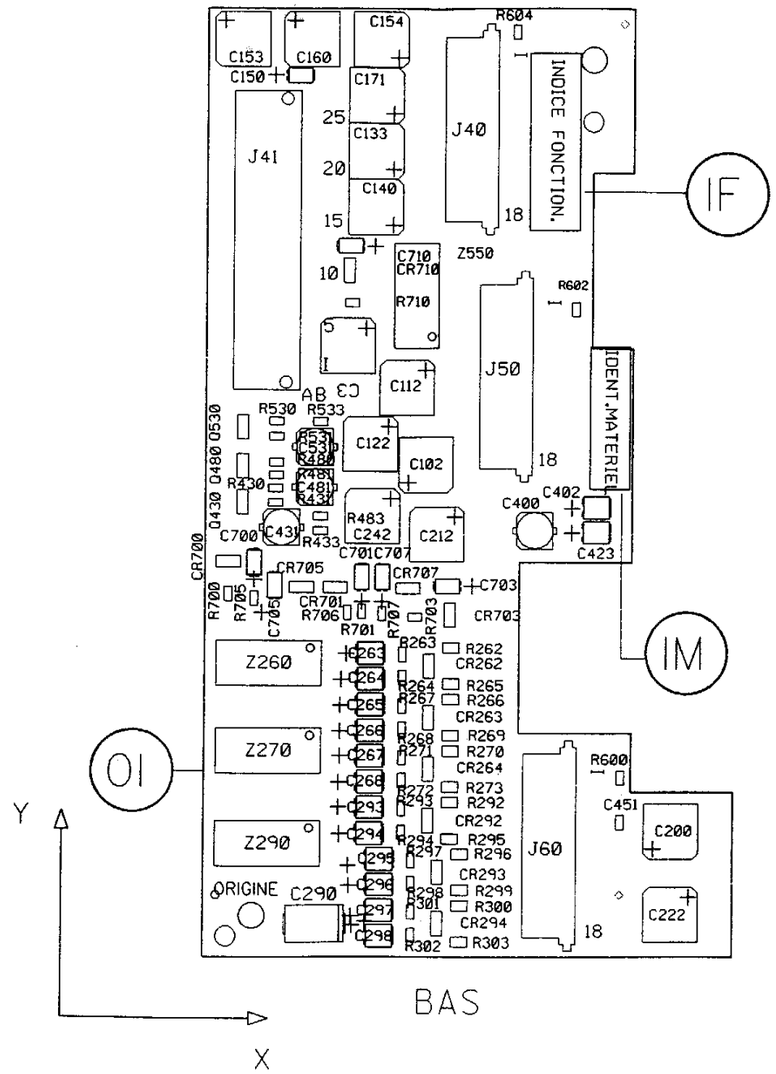
TO SOCKET CCD BLUE

J60 52103I817
J50 52103I817
J40 52103I817

	TTV1657				
	TITLE: DRIVERS FIT 16:9/4:3 (MATSUSHITA MW 3768)				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON BROADCAST	4A150394	C	030	03/03	

SCHEMATIC NAME: driver.sch SHEET NUMBER: 3 DATE: Oct 6, 1995

HAUT



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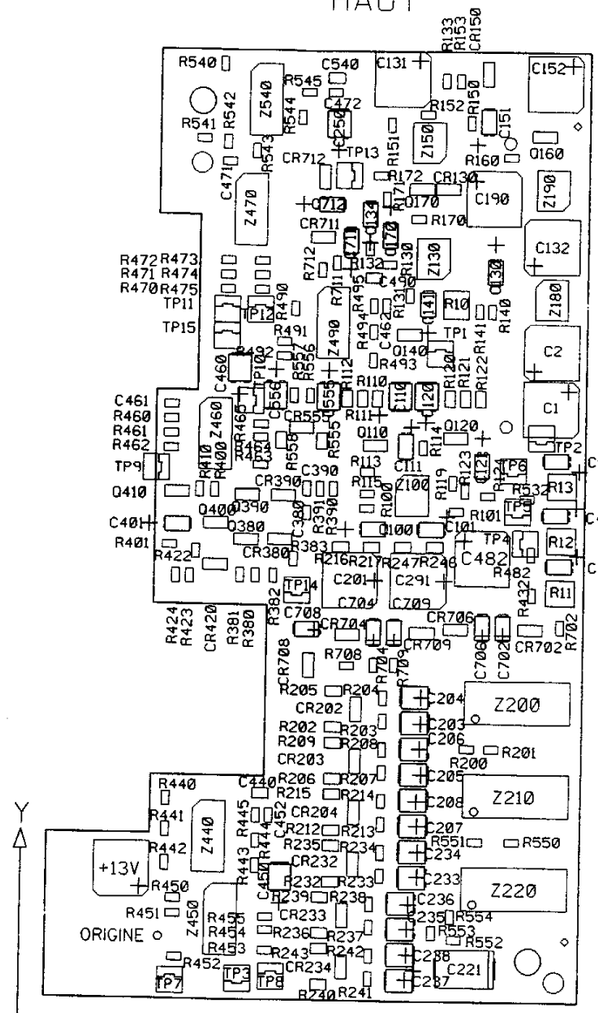

						CAMERA
	TITLE	DRIVER FIT 4/3 16/9				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150394		046	01/01		

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RED

INPUT RED CCD
S210304175
J31
Z200 74HC40533
C200 22U
R10 15K
R12 2K
R13 100
R14 0
Q10 S03906
Q20 BSD22
Q30 S03906
R30 2K
R31 100
TP13
R11 150
CR10 BAV99S
CR100 BAV99S
MSUB\G
Q40 SST309
R40 100
R41 2K
C42 0.1U
C43 4.7U K
C40 22P
Q50 S03904
R50 3K
Q60 BSD22
C60 0.1U
C61 4.7U K
C62 2.2P
C63 2PF/6P
Q80 SST309
R80 2K
R81 47
C80 22P NC
CORRE PIX R
TP7
C165 5.6P NC
R163 1K
Q70 BSD22
C70 1U
R70 120K NC
R71 180K
R72 47K
R73 390K
CR70 BAS16
C71 10N
C101 1.5P
C102 2PF/6P
Q100 SST309
R100 2K
R103 47
C100 22P
CORRE PIX R
TP8
ADJUST R
C103 3.5PF/10P
R101 0
R150 910
R102 0 NC
R1 200
R151 1.2K
OFFSET SHUTTER R
R164 3.6K
R165 1.5K
Z160 LT1229CS
C163 0.1U
C164 0.1U
TP1
R166 301
PSVB_FNG
R2 20K
BIAS 0V R
MSVB_FNG
R1165 825
DL1 DPIS14XW 220-40NS
R167 NC
R168
R169
R170
R171
R172
R173 NC
R174 220
R190 1K
L190 1.8U
C190 47P
R192 220 NC
R191 33
L191 1.8U
C191 47P
R179 1K
R177 75K
R178 470
R3 2K
GAIN R
Z160 LT1229CS
OUT R
TP2
R180 75
OUT_RED
MIX
MK
SHP1
TO Q620
Follo 1/2
C41 8.2P
BLK_TRANSF
CORR_PIX
SHD
R200 470K
Z1020 CD74AC045-EXT
Z1010 74AC085
AC08
(PSVC: 14; GND: 7)
(PSVB: 14; GND: 7)
R1011 10K
R1013 33
R1012 33
TP14

BLUE

INPUT BLUE CCD
S210304175
J33
Z500 74HC40533
C600 22U
R610 15K
R612 2K
R613 100
R614 0
Q610 S03906
Q620 BSD22
Q630 S03906
R630 2K
R631 100
TP18
R611 150
CR610 BAV99S
CR1610 BAV99S
MSUB\G
Q640 SST309
R640 100
R641 2K
C642 0.1U
C643 4.7U K
C640 22P
Q650 S03904
R650 3K
Q660 BSD22
C660 0.1U
C661 2PF/6P
C662 2.2P
Q680 SST309
R680 2K
R681 47
C680 22P NC
C681 4.7U
CORRE PIX B
TP11
C765 5.6P NC
R763 1K
Q670 BSD22
C670 1U
R670 120K NC
R671 180K
R672 47K
R673 390K
CR670 BAS16
C671 10N
C672 1.5P
C673 2PF/6P
Q700 SST309
R700 2K
R703 47
C700 22P
CORRE PIX B
TP12
ADJUST B
C701
R701 0
R750 910
R702 0 NC
R7 200
R761 1.2K
OFFSET SHUTTER B
R764 3.6K
R765 1.5K
Z760 LT1229CS
C763 0.1U
C764 0.1U
TP5
R766 220
PSVB_FNG
R8 20K
BIAS 0V B
MSVB_FNG
R1765 0
DL3 DPIS14XW 220-40NS
R767 NC
R768
R769
R770
R771
R772
R773 NC
R774 220
R790 1K
L790 1.8U
C790 47P
R776 220 NC
R791 33
L791 1.8U
C791 47P
R779 1K
R777 75K
R778 470
R9 500
GAIN B
Z760 LT1229CS
OUT B
TP6
R780 75
OUT_BLUE
SHP1
SHP
SHD
CORR_PIX
C620 10N
C621 8.2P
R1001 100K
R1002 33
Z1000 74AC085
TP17
R1021 100K
Z1020 CD74AC045-EXT
MARK
R802 10K
R630 2K
R1004 10K
R1003 100K
TP19
TP20
R1005 33
R1006 33

POWER DE :
Z1000
Z1010
Z1020
PSVA\G
PSVB\G
PSVC\G
R1000 10
R1010 10
R1020 10
C1000 0.1U
C1010 0.1U
C1020 0.1U

VCC = +5V
VEE = -5V

TTV1657
TITLE
SAMPLE AND HOLD
15:9 1000pts
15-12-97
THOMSON BROADCAST
DRAWING No 46150664 | REV E | CODE 030 | SHEET 1/2 | BLOCK

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GREEN

INPUT GREEN CCD

S21030417S

J32

FROM TIMING

0533375

P35

TO PROCESS

S21030017S

J34

OUT_GREEN

OUT_RED

OUT_BLUE

DECOUPLAGES ALIM

FREE

MSUB

ADJUST G

OFFSET SHUTTER G

GAIN G

BIAS 0V G

VCC = +5V
VEE = -5V

THOMSON BROADCAST	DRAWING No	REV	CODE	SHEET	BLOCK	TTV1657
	46150654	E	030	2/2		

TITLE: SAMPLE AND HOLD 15:9 1000 pts

20-08-98

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CCD

FROM DRIVERS FIT

J1 521838417

RST
VBF/8
VB5/6
VB3/4
VB1/2
VA4/8
VA3/7
VA2/6
VA1/5
SUB
H1
H2
VBL_2
VBL_1

Z1B8 CCD3768Y

CCD 3768

VS
OD
RD
HS
IS
L-G
OG
RG
VO
H
BL
SUB
PW
NN

+16V
R186 47
R181 47
R182 47
R183 47
C186 0,1MF
C181 0,1MF
C182 0,1MF
C183 0,1MF
C1 10MF16V
R184 47K
C184 2,2MF
R185 3,3K
C185 2,2MF
R186 6,8K

Q1B BF569
R128 47
R121 240
Q13B BFS28
R131 4,7
R138 150
C138 10PF NC
R132 88
TP1
OUT
DC= 4,5V
J2 521838417
TO SAMPLE AND HOLD

	TTV1667				
	TITLE: SOCKET FIT 16/9 MATSUSHITA MN3768Y				
THOMSON BROADCAST	DRAWING NO: 47 832487	REV: C	CODE: 838	SHEET: 1/1	BLOCK: BF1

SCHEMATIC NAME: 4a158866a.sch SHEET NUMBER: 1 DATE: Aug 2, 1994

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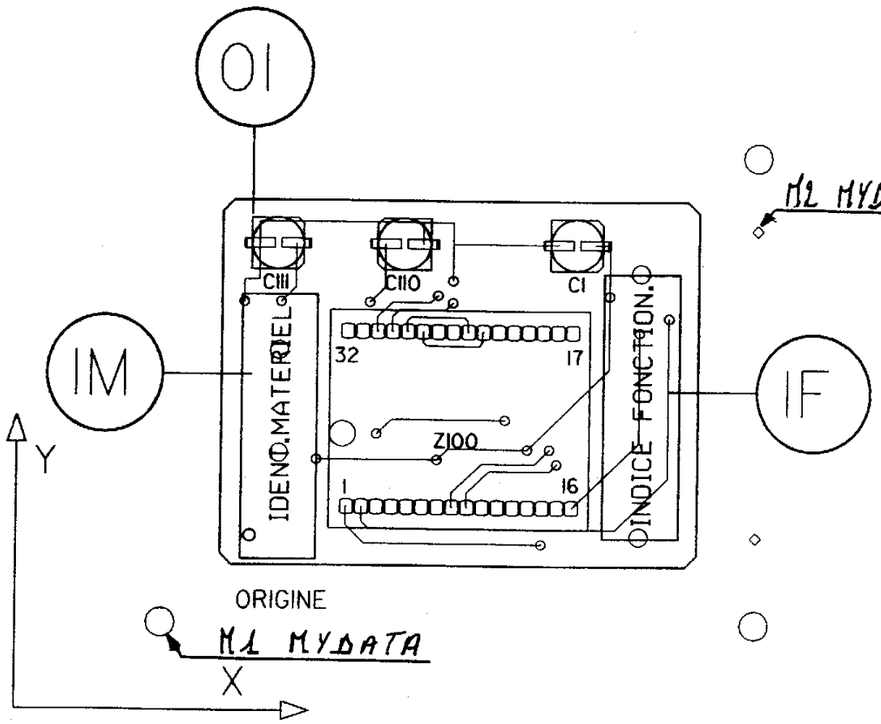

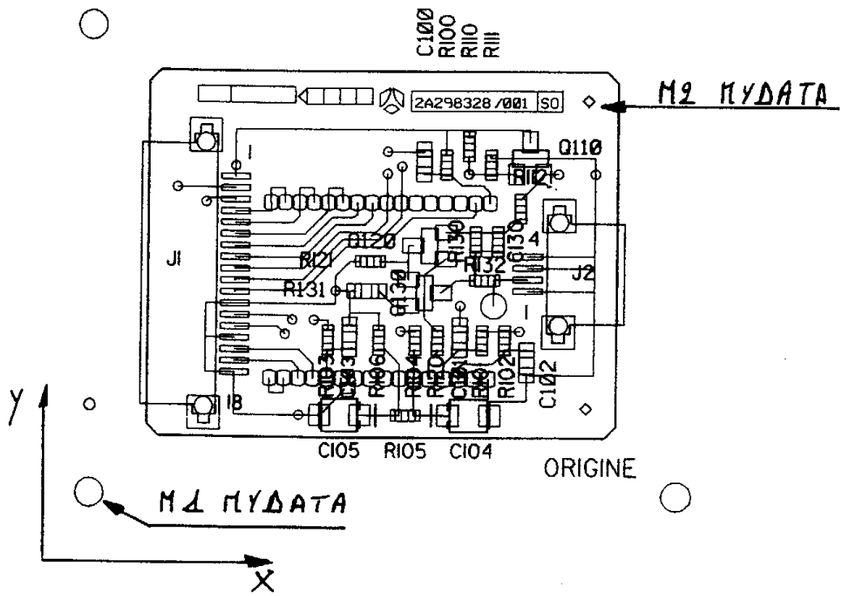

						CAMERA
	TITLE GREEN RED CCD SOCKET FIT 4/3 16/9					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	47032487		046	01/01		

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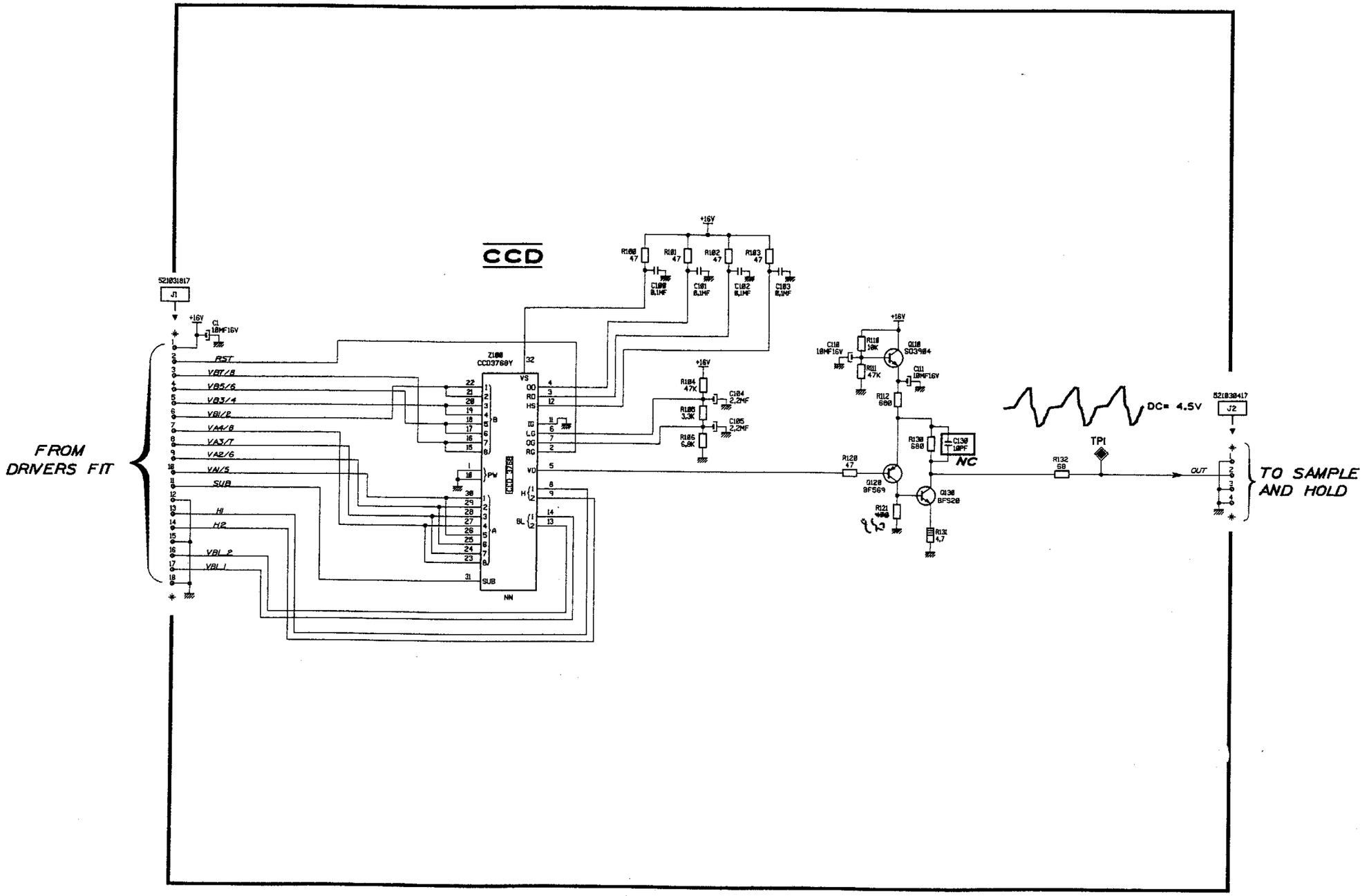
CCD



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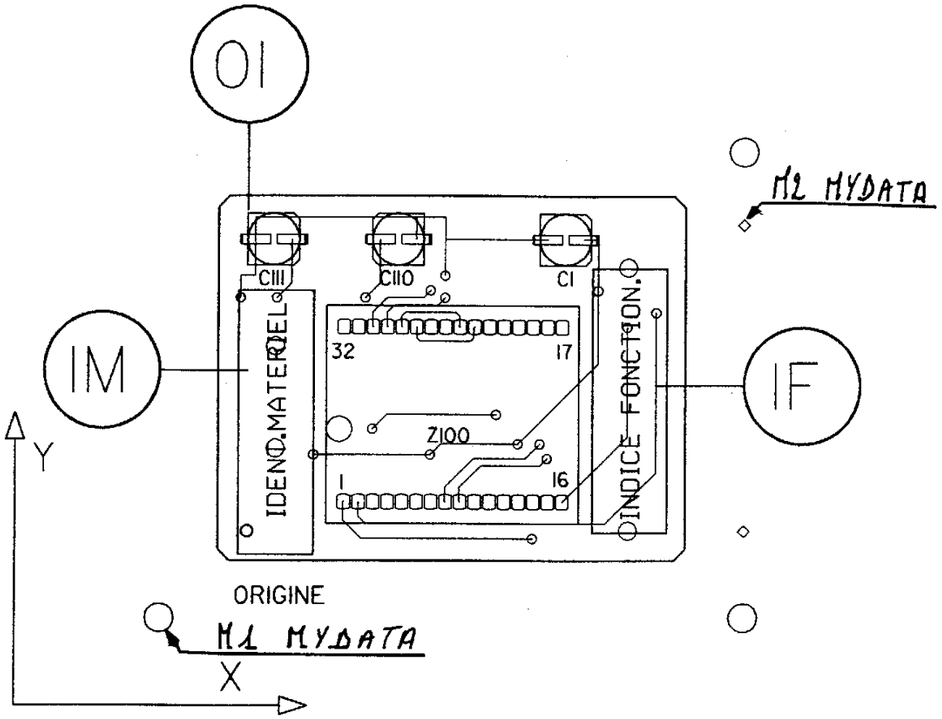
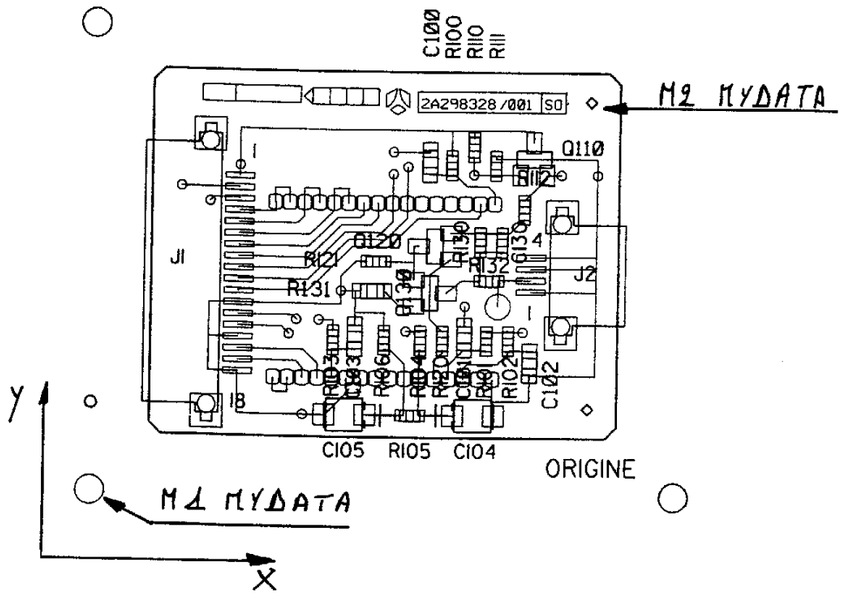
						CAMERA
	TITLE	BLUE CCD SOCKET FIT 4/3 16/9				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4A150066		030	01/01		





						CAMERA
	TITLE	BLUE CCD SOCKET FIT 4/3 16/9				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150066		046	01/01		

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VCO 108MHz

CLAMP 2

V TIMER

EVS

SHT

PHASE

FREE

108MHZ

36MHz (16:9)
54MHz (4:3)
TP3

1.5µs
TP7

7,5H
TP8

22,5H

480µs (7,5H)
TP4

6,8µs
TP5

0,5µs

HDX

CLR 2/2

PCOUT

CDP3

TP6

CKY
CPOB
PS
HCLR
MARC

VA1 VA2 VA3 VA4
VB1 VB2 VB3 VB4
BL1 BL2
12X 120 OHM

CH2
CH1
CHS
SUBUP
450µs (7,5H)
H1
H2
SHP
SHD
SHS
PG
6X 47 OHM

MN52180

CORP.
2/2

TP1 TP2

WATSUSHITA (MN 3758) (MN 3768)

THOMSON	CAMERA					
	TITLE: TIMING FIT 4/3 16/9 (N)					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033338		030	01/02		

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CORR. 1/2

TRIG
MS
DD
/DATA
CLK

R400 100
R401 100
R402 100
R403 100
R404 100
C400 10PF NC

SS2_6
MISO
MOSI
SCK

NC C401 10PF
Z400 EEP93C66S
R405 90HM
SCK
MOSI
MISO
SPI

R411 100K
R412 100K
TP24
TP25
TP26
16:9
4:3

Z410 74HC74S
Z470 74HC74S

CR450 BAS16
R454 100K
R455 47K
C454 220PF
C453 1NF
Z450 74HC221S
CLR 1/2
16:9=1
4:3=0
COMMUT_B 1/2

SAMPLE AND HOLD
CNC004861
J30
+5V8
-5V8
SHP
SHO
SHS
BLK_TRANSFER
1/2

R_CORR_PIX
V_CORR_PIX
B_CORR_PIX
MARQ
COMMUT_A

TP17
16:9 =0 1/2
4:3 =1

COMMUT_A
MOSI
SCK
SS0_6
1/2

DRIVERS
CNC004861
J31
+5V3
+9VC
+16V_B
+16V_A
TP11
TP10
TP13
PG
H1
H2
CH1
VB4
VA4
VB3
VA3
VB2
VA2
VB1
VA1
CH2
CHS
PS
BL1
BL2
H/2
SUBUP
1/2

OVERALL INTERCONNECTION

52183161R J32
DH
DV
FLD
1/2
CLP_2 1/2
SS1_6
SS2_6
MISO
MOSI
SCK
SS0_6
RESERVED (CK36_B/RET)
RESERVED (CK36_B/RET)

R430 100K
R431 100K
R432 100K
R433 100K

TP12
CLAMP_1
R600 100
C600 100PF
74HC08S Z600
R602 10K
R601 10K
CR600 BAR18
CP08 1/2
C602 39PF
Z400 74AC84S
R400 00HM
R401 00HM NC
CKY
HCLR

NC Z420 EPM5128L 25NS
C420 22MF
C421 0,1MF
C422 10PF
CKY
HCLR
FLD
COMMUT_A
R420 100 MOSI
R421 100 SCK
R422 100 SS2_6
R423 100 MISO
R424 100 NC
R425 100 R_CORR_PIX
R426 100 V_CORR_PIX
R427 100 B_CORR_PIX
MARQ

NC Z430 EEP2KX8CC 150NS
C430 22MF
C431 0,1MF
CE
OE
WE
EEPROM 2KX8 I/O

ONE TIME PROGRAMMABLE LOGIC DEVICE
LABA LABB LABC LABD LABE LABF LABG LABH
GND

D0 D1 D2 D3 D4 D5 D6 D7
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10

PIXEL CORRECTION

52183161R J33
+16V_A
+16V_B
C15 47MF
L16 4,7MH
VCCD/1
VCCD/2
+9V8
+5VDIGITAL
+5V8/1
+5V8/2 TP23
-5V8/1
-5V8/2 TP22
C24 47MF
L17 4,7MH
C19 47MF
L18 4,7MH
C20 100MF
C18 47MF
C21 100MF
+9V8
+9VC
+5VD
+5V8
-5V8
+12V_BATT
-BATT

OVERALL INTERCONNECTION

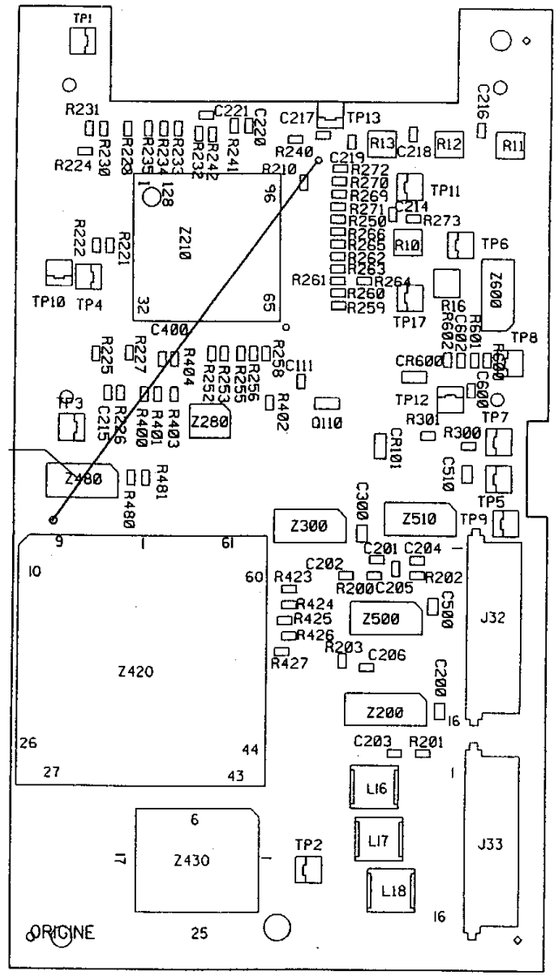
FREE
Z400 74AC84S
Z600 74HC08S

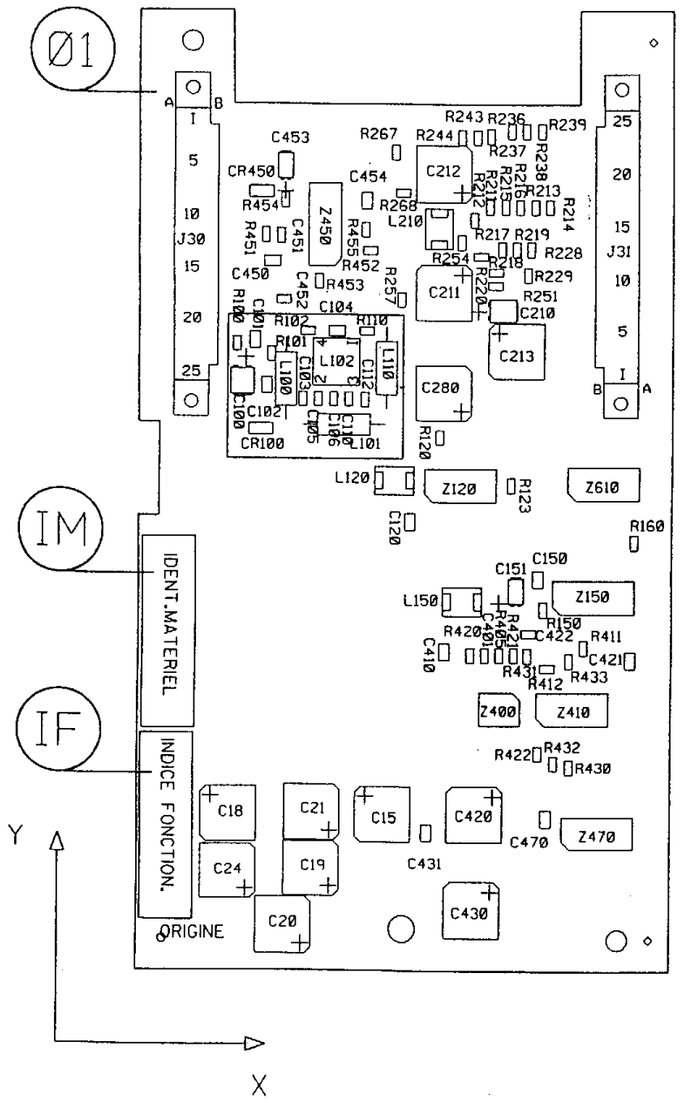
RESERVED
NC
Z610 74HC08S

Z460 74AC84S
Z600 74HC08S
Z610 74HC08S
Z410 74HC74S
Z470 74HC74S
C410 0,1MF
C470 0,1MF

MATSUSHITA (MN 3758) (MN 3768)

						CAMERA
		TITLE				TIMING FIT 4/3 16/9 (N)
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033338		030	02/02		





						CAMERA
	TITLE: TIMING FIT 4/3 16/9 (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033338		046	01/01		

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VCO 108MHz

+5VDNG
R102 10
C104 0.1MF
L102 79NH
C110 10PF
R120 20K
C112 390PF
R123 47
R101 2.7K
L100 3.3MHG
CR101 BBY31
C103 10PF
C111 15PF
L110 3.3MHG
R110 300
Z120
Z120
R100 2.2K NC
R16 5K
C100 4.7MF
C101 0.1MF
C102 0.1MF
CR100 BBY31
L101 3.3MHG
C107 8.2PF
C105 8.2PF
Q110 SST309
X108MHZ

CLAMP 2

NC PF20
R150 100
Z150 74AC1099
36MHz (16:9)
54MHz (4:3)
TP3
Z450 74HC2215
R451 12K
C451 150PF
R452 1K
1,5 µs
TP7
R453 100
C452 100PF
CLP_2
2/2
1,5µs
NC R302 100
22,5H
TP8
BLK_TRANSFER
2/2
7,5H
VDXB
Z300 74HC745
Z500 74HC865
NC R300 100
R301 00HM NC
COMMUT_B
16:9=1 4:3=0
PS
R150 100K
Z150 74AC1099
R170 100K
C171 820PF
Z170 74HC1235
Z510 74HC745
H/2
64US 64US
COMMUT_A
16:9=0 4:3=1
480 µs (7,5H)
TP4
DV
Z200 74HC2215
R201 2K
C203 220PF
Z500 74HC865
R200 220
C201 22PF
C202 220PF
0,5 us
PHASE
6,8 µs
TP5
HDX
DH
TP9
6,8 µs
R202 220
C204 22PF
C205 220PF

V TIMER

CLR 2/2
NC PF21
Z210 MN5280L
+5VDNG
L210 2.7MH
C210 6.8MF CTCB
C211 100MF 16V CTCV
C212 47MF 16V CTCD
C213 47MF 16V CTCD
C214 27PF
CDP3
R10 500 NC
R273 100
+5V
TP5
TP40 NC
TP41 NC
TP42 NC
TP43 NC
TP44 NC
TP34 NC
TP45 NC
TP46 NC
TP47 NC
TP48 NC
TP49 NC
TP50 NC
TP51 NC
TP56 NC
TP57 NC
TP52 NC
TP53 NC
TP54 NC
TP55 NC
XTSM
XI
XO
FOK2
EXHD
EXVD
CLR
NC14
CADI3
NC4
NC5
OESM
EXT
NC3
CSEL1
CSEL2
NC2
MODE
SDSM
NC1
MFR
SS1
SS2
SS3
PNSM
SPSM
HD2
TVSM
NC6
NC7
NC8
D0
D1
CDS1
CDS2
R1
R2
RCNT
RPI
RWI
CDPI1
CDPI2
CDWI1
CDWI2
TEST
VSS
XO
PCOUT
FHS
FCK
CPDB
PBLK
HCLR
ADCLK
CDPO3
TS01
TS02
TS03
TS04
TS11
TS12
TS13
TS14
VDD
CH1
CH2
NC11
NC12
SUB
NC13
H1
H2
D12
NC9
NC10
DS1
DS2
DS3
R
VTG
RPO
RWO
CDPO1
CDPO2
CDWO1
CDWO2
TO
MN5280
R217 100
R219 100
R218 100
R220 100
R213 100
R214 100
R215 100
R216 100
R221 100
R222 100
R224 100
R210 100
CC_FRAME 2/2
SHT
3X 100 OHM
MOSI
SCK
SS0_6
R225
R226
R227
C215 18PF
R228 00HM NC
R230 00HM
R231 00HM NC
R232 100 NC
R233 R234 R235 3X 100 OHM
R236
R237 R238 R239 4X 0 OHM
625L
525L
R251 R252 R253 R254 R255 R256 R257 R258 8X 100 OHM
R261 R262 3X 100 OHM
R263 100
R264 100 NC
R265 100 OHS
450µs (7,5H)
R267 R268 R269 R270 R271 R272 6X 47 OHM
CH2
CH1
OHS
H1
H2
SHP
SHD
SHS
PG
HDX
C216 27PF
C217 27PF
C218 27PF
C219 27PF
C220 27PF
C221 27PF
R11 1K
R12 500
R13 500
RPO
CDP1
CDP2
R240 470
R241 470
R242 470
R211 00HM NC
1/100
R213 00HM
1/60
90°
0°
R243 00HM
R244 00HM NC
2/2

FREE

Z120 74AC049
Z500 74HC865
Z170 74HC1235

C300 0.1MF Z300 74HC745
C510 0.1MF Z510 74HC745
C500 0.1MF Z500 74HC865
C170 0.1MF Z170 74HC1235
TP1 TP2
L120 2.7MH C120 0.1MF Z120 74AC049
L150 2.7MH C151 1NF C150 0.1MF Z150 74AC1095
C200 0.1MF Z200 74HC2215
C450 0.1MF Z450 74HC2215

MATSUSHITA (MW 37381AE) (MW 37481AE)

THOMSON BROADCAST	TTV1657					
	TITLE: TIMING IT 16:9/4:3					
	DRAWING NO	REV	CODE	SHEET	BLOCK
	4A150641	B	030	1/2	

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OVERALL INTERCONNECTION

S2103161R J32

DH, DV } 1/2
FLDN_I
CLP_2 1/2
SS1_6N_I
SS2_6
MISO_I
MOSI
SCK
SS0_6
RESERVED (CK36_8/RET)
RESERVED (CK36_8/RET)

SPI

Z400 EEP93C86S
C421 100PF
R405 00HM
R411 100K
R412 100R
R413 00HM
R414 00HM
NC
16:9 4:3
BLOCAGE FORMAT

Z410 74HC74S
Z610 74HCT184S
C610 0.1MF
R610 NC 100
R611 100
R612 NC 100
R613 100
3-HF REGISTER

R430 100K
R431 100K
R432 100K
R433 100K

Z450 74HC221S
CR450 BAS16
R455 47K
C454 220PF
R454 100K
C453 1MF
CLR 1/2

TP18 16:9=1 4:3=0
COMMUT_B 1/2
TP19 CC_FRAME=1
CC_FRAME 1/2
RAPPEL
FIELD / FRAME / EVS
CC_FRAME

TP17 16:9 =0 4:3 =1
COMMUT_A
1/2
MOSI
SCK
SS0_6

SAMPLE AND HOLD
CNC004861 J30
1/2
SHP
SHD
SHS
BLK_TRANSFER
R_CORR_PIX\I
V_CORR_PIX\I
B_CORR_PIX\I
MARQ
COMMUT_A

DRIVERS
CNC004861 J31
1/2
PG
H1
H2
CH1
VA8
VA4
VA7
VA3
VA6
VA2
VA5
VA1
CH2
CH3
P8
H/2
TP11 TP10 TP13 TP14
-SVB\G RESERVE NC

TP12 CLAMP_I
R600 100
Z600 74HC08S
R602 10K
R601 10K
CR600 BAR18
CP08
C600 100PF
C602 39PF

Z480 74AC04S
R480 00HM
R481 00HM NC
CKY
HCLR

Z420 EPM5128L 25N5
C420 33MF10V
C421 0.1MF
C422 10PF
R420 100 MOSI
R421 100 SCK
R422 100 SS2_6
R423 100 MISO
R424 100 R_CORR_PIX\I
R425 100 V_CORR_PIX\I
R426 100 B_CORR_PIX\I
R427 100 MARQ
CKY HOLD CLR COMMUT_A
IN/CLK
LABA LABB LABC LABD LABE LABF
ONE TIME PROGRAMMABLE LOGIC DEVICE
D(7..0)
A(10..0)

Z430 ECP2KX8CC 150NS
C430 33MF10V
C431 0.1MF
EEPROM 8X08
A(10..0) D(7..0)

PIXEL CORRECTION

NC

OVERALL INTERCONNECTION

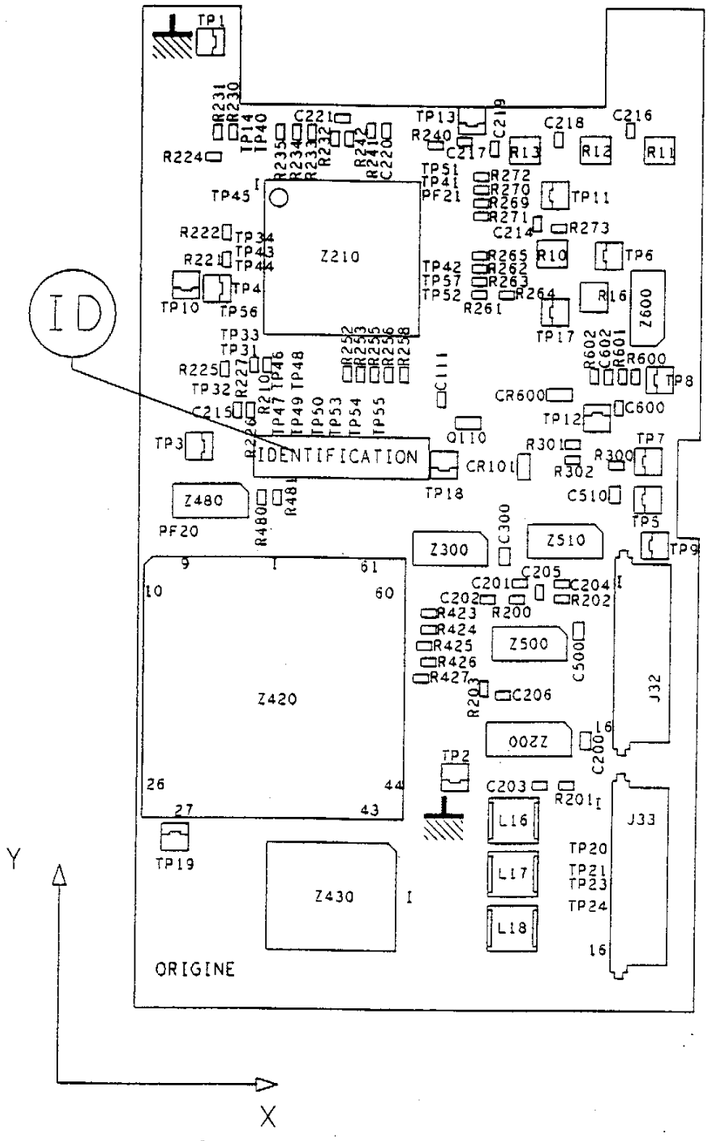
S2103161R J33
VCCD/1 VCCD/2
+9V8 +5VDIGITAL +5V8/1 +5V8/2 -5V8/1 -5V8/2
TP20 TP21 TP23 TP24 TP22 NC
C15 22MF20V
L17 4.7MH
L16 4.7MH
L18 4.7MH
C24 47MF16V
C19 47MF16V
C20 68MF16V
C18 68MF16V
C21 68MF16V
+16V_A\G +16V_B\G +9V\G -5V\G
+12V_BATT\I
-BATT\I

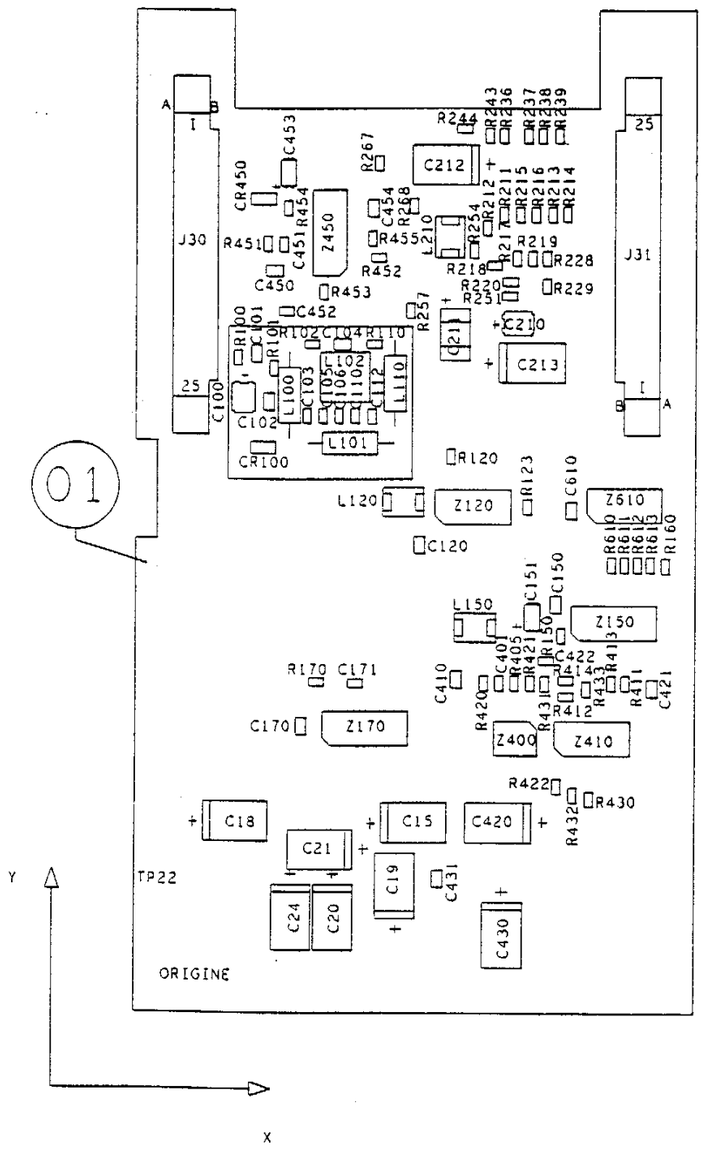
FREE
Z480 74AC04S
Z600 74HC08S

+5VD\G C410 0.1MF
Z480 74AC04S
Z600 74HC08S
Z410 74HC74S

MATSUSHITA (MW 37381AE) (MW 37481AE)

	TTV1657				
	TITLE: TIMING IT 16:9/4/3				
THOMSON BROADCAST	DRAWING NO	REV	CODE	SHEET	BLOCK
	4A150641	B	030	2/2	





						CAMERA
	TITLE	TIMING				
THOMSON	DRAWNING NO	REV	CODE	SHEET	SLOCK	
	4A150641		046	01/01		

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dite société

V DRIVER

+13V

+12V

+25V

-10V

FREE

SHT

SHUTTER LEVEL

TENSION A1, A3, M

TENSION A1, A5, M

TENSION A2, A4, M

TENSION V1, V3, L

TENSION V4, V2, L

BLUE

GREEN

RED

VA

VB

HORLOGE 2/2

2/2

MICROMELF 0.5%

THOMSON BROADCAST	TTV1657				
	TITLE: DRIVERS IT 16/9				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	4A150637	A	030	1/2	

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H DRIVER

TIMING FIT

AMPL RST

SUB R

SUB V

SUB B

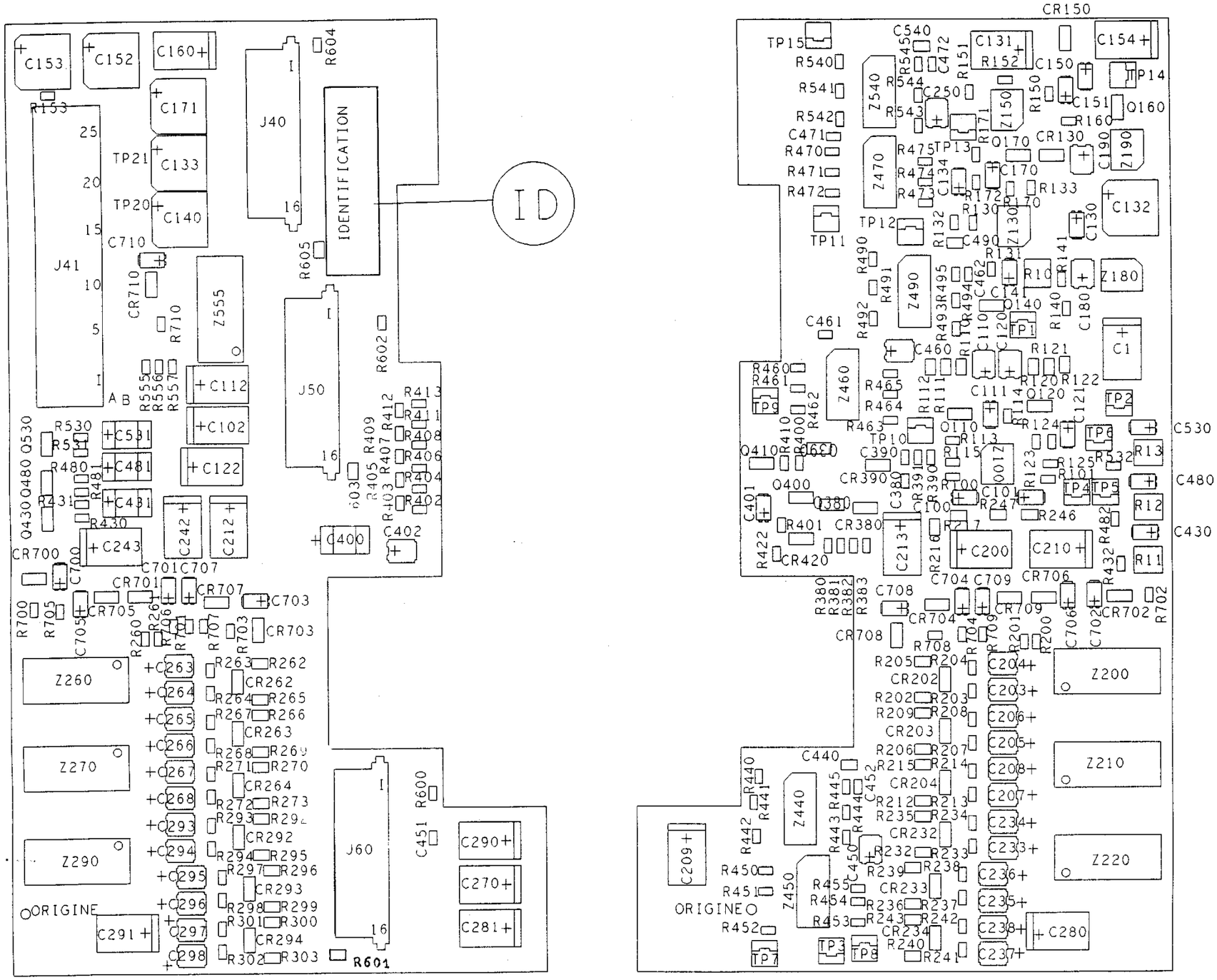
HORLOGE

TO SOCKET CCD RED

TO SOCKET CCD GREEN

TO SOCKET CCD BLUE

THOMSON BROADCAST	DRAWING NO	REV	CODE	SHEET	BLOCK	TTV1657
	4A150637	B	030	2/2		DRIVERS IT 16/9



						CAMERA
	TITLE					
	DRIVER IT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150637		046	01/01		

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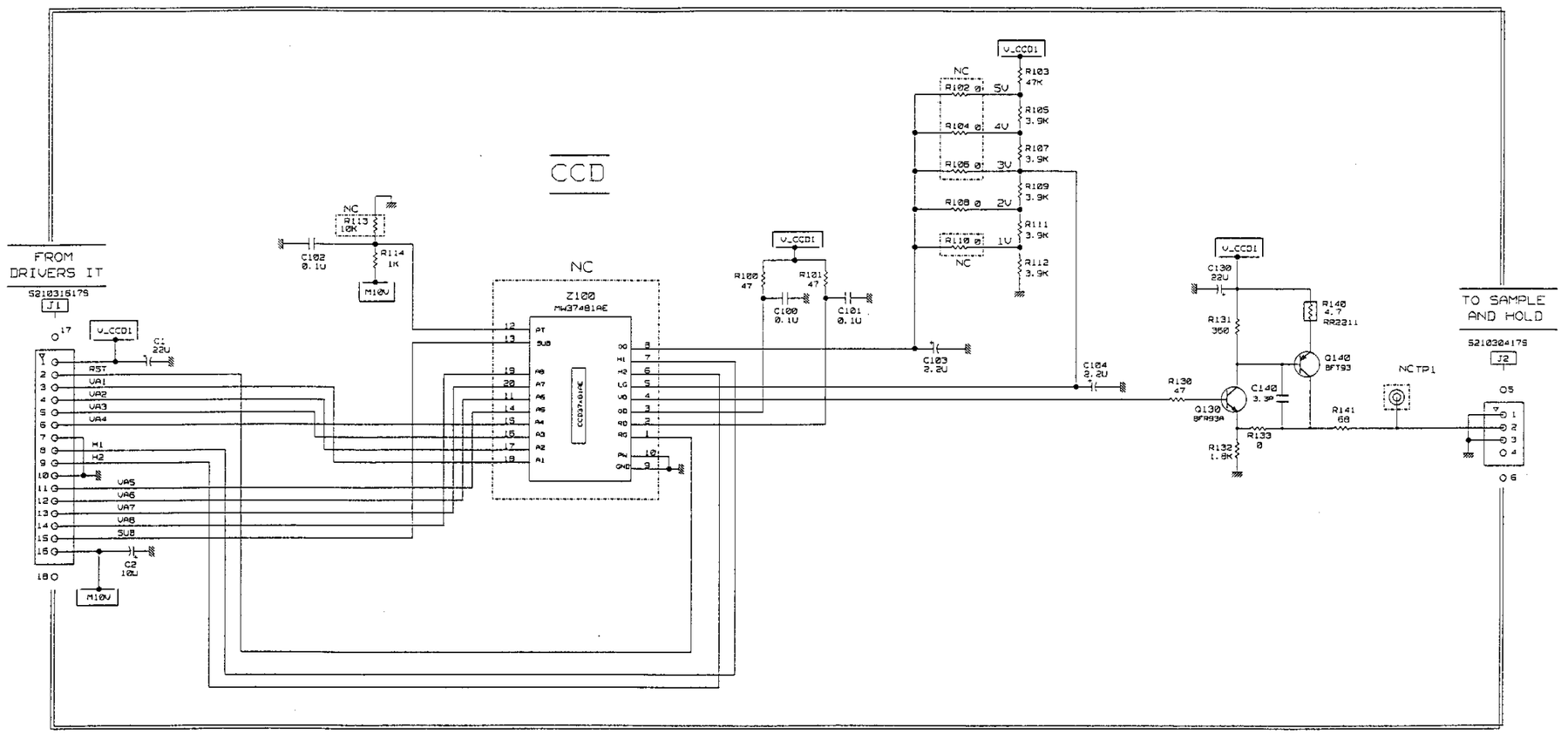
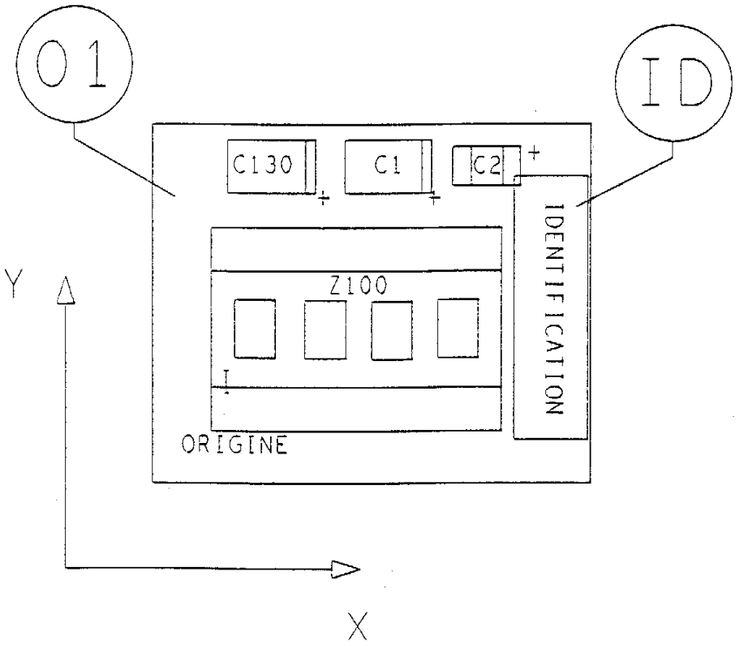
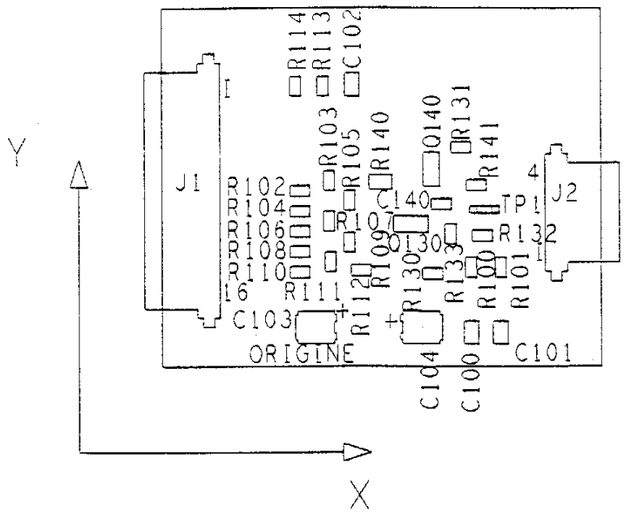


	TTV1557D-1657A-1657D-1707				
08-10-98	TITLE: SOCKET IT 16/9 RGB				
THOMSON BROADCAST	DRAWING No: 4A150634	REV: A	CODE: 030	SHEET: 1/1	BLOCK:





						CAMERA
	TITLE	BLUECCD SOCKET IT 16/9				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150634		046	01/01		

V TIMER

VCO 90MHz

CLAMP 2

PHASE

FREE

VCC = DIGITAL +5V

MN5239

CORR

EVS

SHT

8x 100 OHM

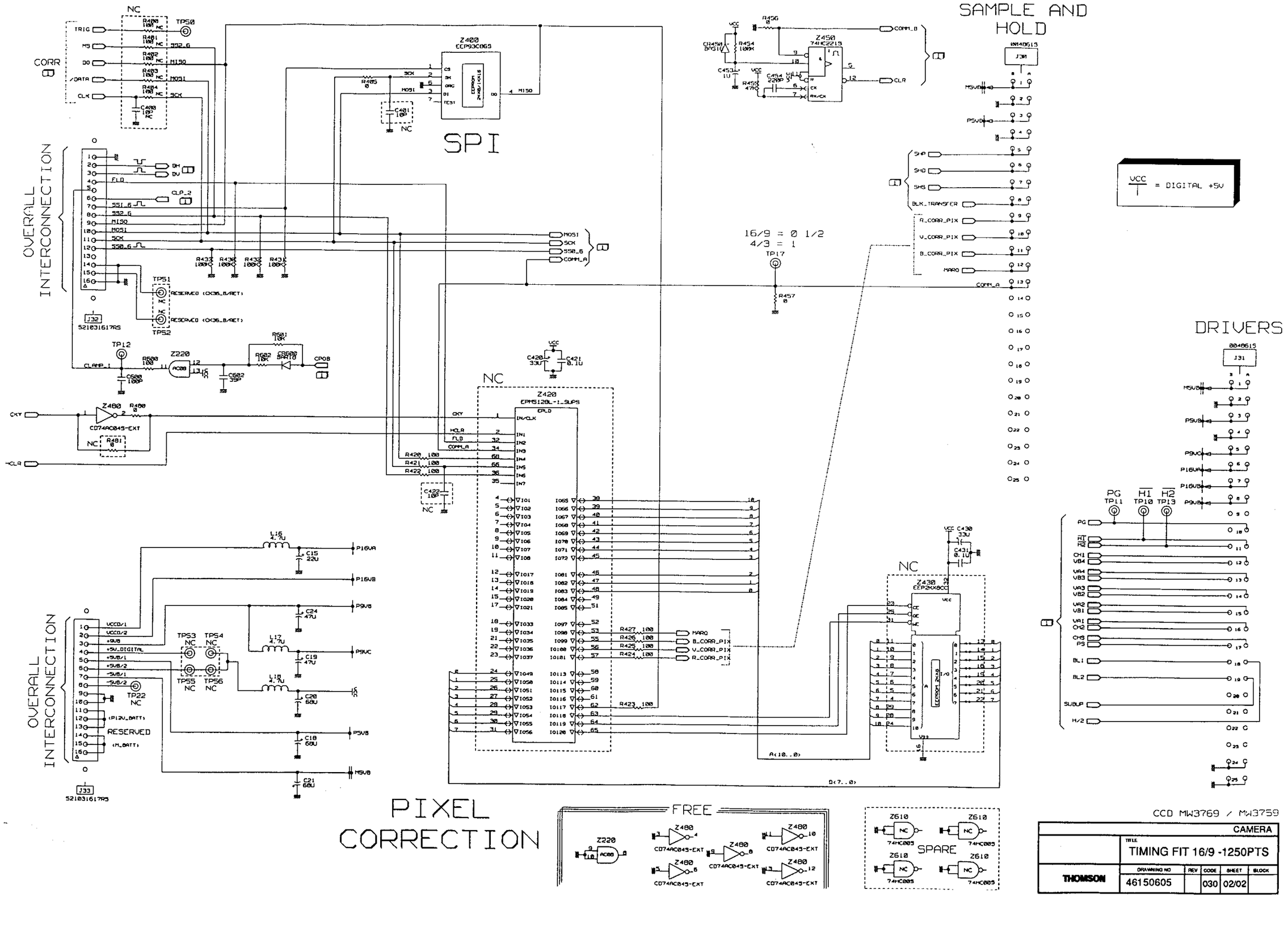
6x 100 OHM

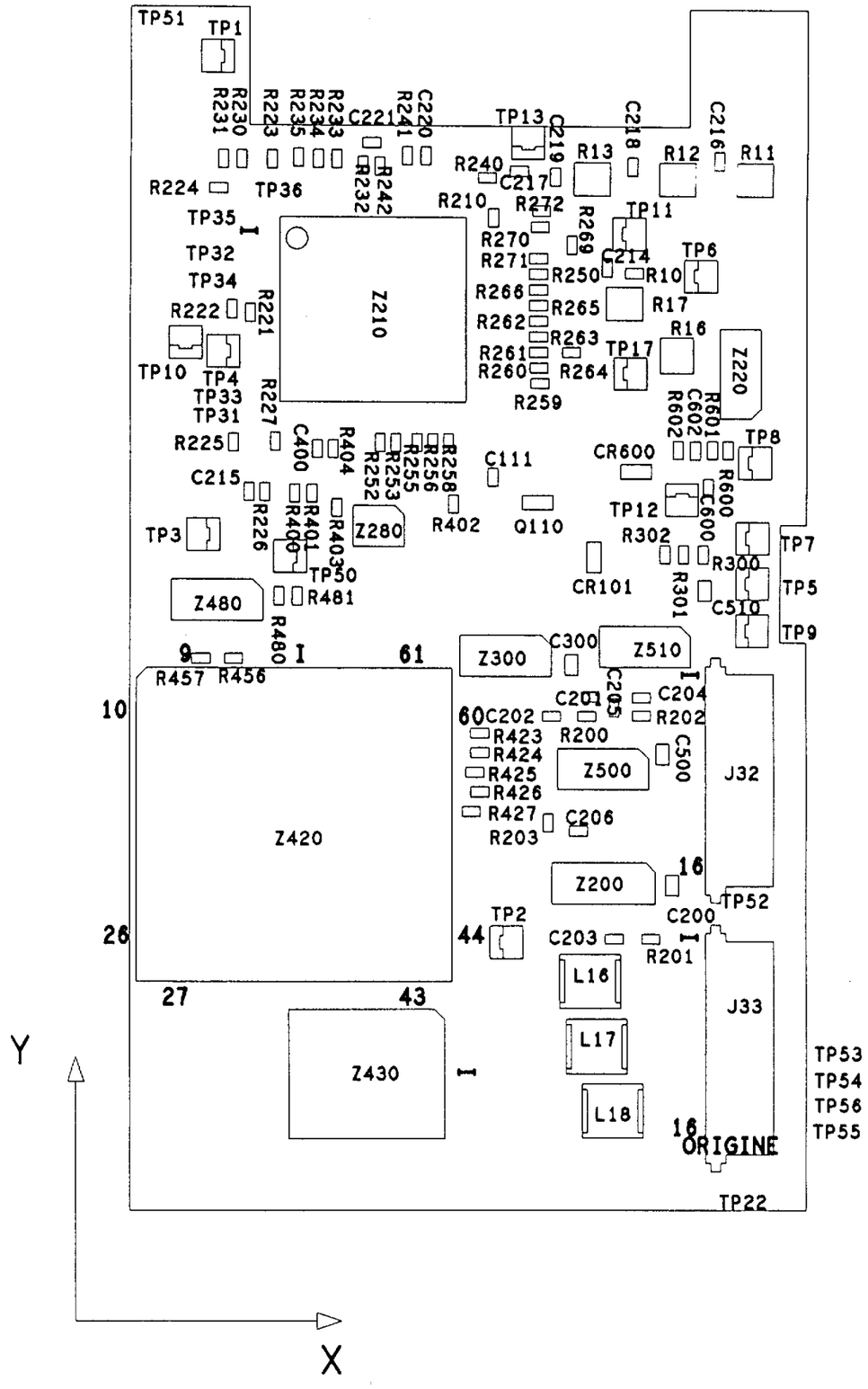
5x 47 OHM

10x 100 OHM

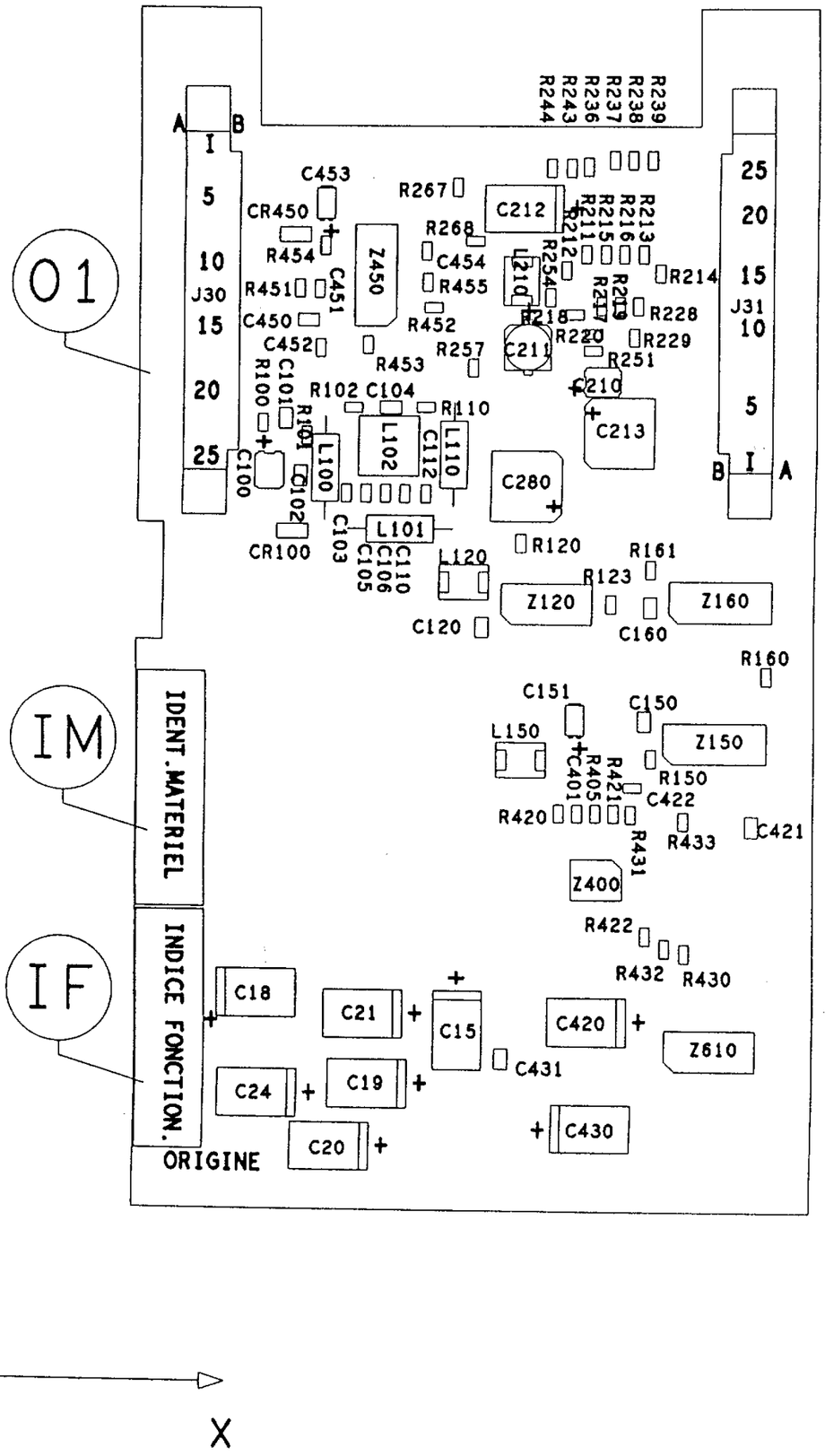
CCD MW3769 / MW3759

CAMERA					
THOMSON	TITLE: TIMING FIT 16/9 -1250 PTS				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150605		030	01/02	


SAMPLE AND HOLD
SPI
OVERALL INTERCONNECTION
DRIVERS
PIXEL CORRECTION
FREE
SPARE
NC
CORR
TRIG
MS
DO
/DATA
CLK
TPS0
Z400
ECP93C065
R405
C401
MOSI
SCK
SS0_6
MISO
C401
R456
Z450
74HC221S
COMM_B
CLR
VCC = DIGITAL +5V
16/9 = 0 1/2
4/3 = 1
TP17
R457
SHP
SHD
SHS
BLK_TRANSFER
R_CORR_PIX
V_CORR_PIX
B_CORR_PIX
MARQ
COMM_A
J30
J31
MSVD
PSVD
PSVB
PSVC
P16VA
P16VB
PG
H1
H2
TP11
TP10
TP13
CH1
VB4
VB3
VB2
VB1
CH2
CH3
PS
BL1
BL2
SUBUP
H/2
DH
DV
FLD
CLP_2
SSI_6
SS2_6
MISO
MOSI
SCK
SS0_6
TPS1
TPS2
RESERVED (CK36_B/RET)
J32
521031617RS
TP12
CLAMP_1
Z220
AC08
CP08
Z480
CD74AC845-EXT
R400
R401
CKY
HCLR
FLD
COMM_A
Z420
EPM5128L-1_SUP5
EPLD
IN/CLK
R420
R421
R422
C422
C420
C421
C430
C431
Z430
EEP2K08CC
EEPROM 2Kx8
MARQ
B_CORR_PIX
V_CORR_PIX
R_CORR_PIX
R427
R426
R425
R424
R423
A(10..0)
D(7..0)
L16
4.7U
L17
4.7U
L18
4.7U
C15
22U
C24
47U
C19
47U
C20
68U
C18
68U
C21
68U
P16VA
P16VB
P9VB
P9VC
P5VB
M5VB
TPS3
TPS4
TPS5
TPS6
TP22
RESERVED
(P12V_BATT)
(M_BATT)
J33
52103161785
Z610
74HC005
CCD MW3769 / MW3759
CAMERA
TIMING FIT 16/9 -1250PTS
THOMSON
DRAWING NO 46150605
REV
CODE 030
SHEET 02/02
BLOCK



THOMSON	TITLE	CAMERA
		TIMING FIT 16/9 -1250 PTS
	DRAWING NO	46150605
	REV	
	CODE	046
	SHEET	01/02
	BLOCK	



THOMSON			CAMERA
	TITLE	TIMING FIT 16/9 -1250PTS	
46150605	DRAWING NO		
	REV		
046	CODE		
02/02	SHEET		
	BLOCK		

H DRIVER

TIMING FIT

053337S

+13V

+11V

-10V

+25V

H1

H2

R

G

B

SUBD

HORLOGE

CCD MW3769 / ...

RC2211
0.5% 1/5W

THOMSON	CAMERA					
	TITLE: DRIVER FIT 16/9 -1250 PTS					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150606		030	01/03		

V DRIVER

TENSION A1, A3, M

TENSION A2, A4, M

TENSION A1, A3, H

TENSION A1, A3 A2, A4, L

TENSION B2, B4, M

TENSION B1, B3, M

TENSION B1, B3, L B2, B4, L

HORLOGE

-8,5VA

-8,5VB

P9VC P11V P25V P13V M5V8 P10V8 P5V8

Z200 SW20P — Z210 SW20P — Z220 SW20P — Z250 SW20P — Z260 SW20P — Z270 SW20P — Z280 SW20P — Z290 SW20P

VERT. DRIVER CCD CXD1268

VA3/7A VA1/5A VA4/8A VA2/6A VB3/7B VB1/5B VB4/8B VB2/6B VB5/6B VB1/2B VB7/8B VB3/4B VB5/6G VB1/2G VB7/8G VB3/4G VB5/6R VB1/2R VB7/8R VB3/4R

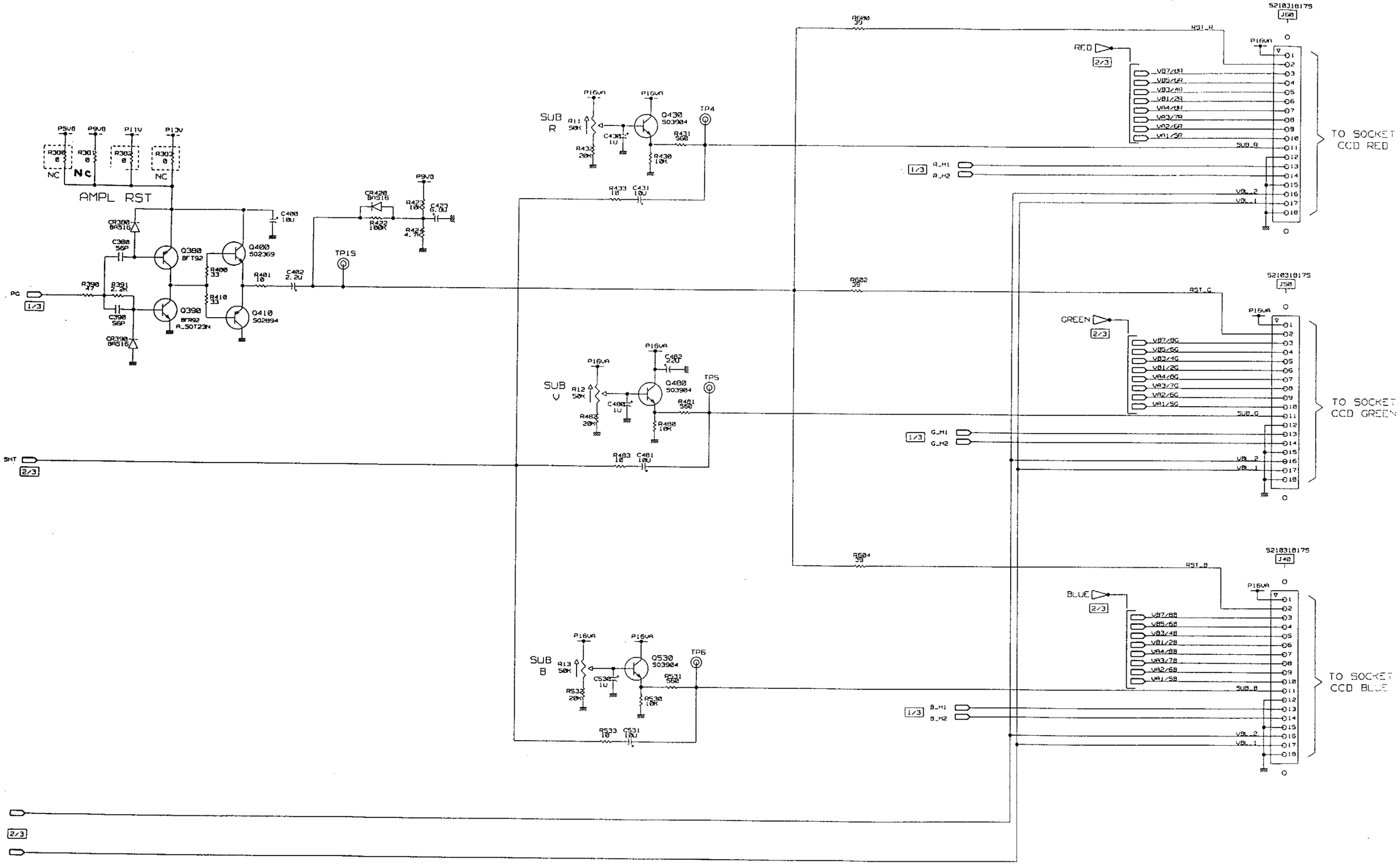
VBL_2 VBL_1 SHT

RED GREEN BLUE

CCD MW3769 / M.T

AC2211 ±0.5% 1/5W

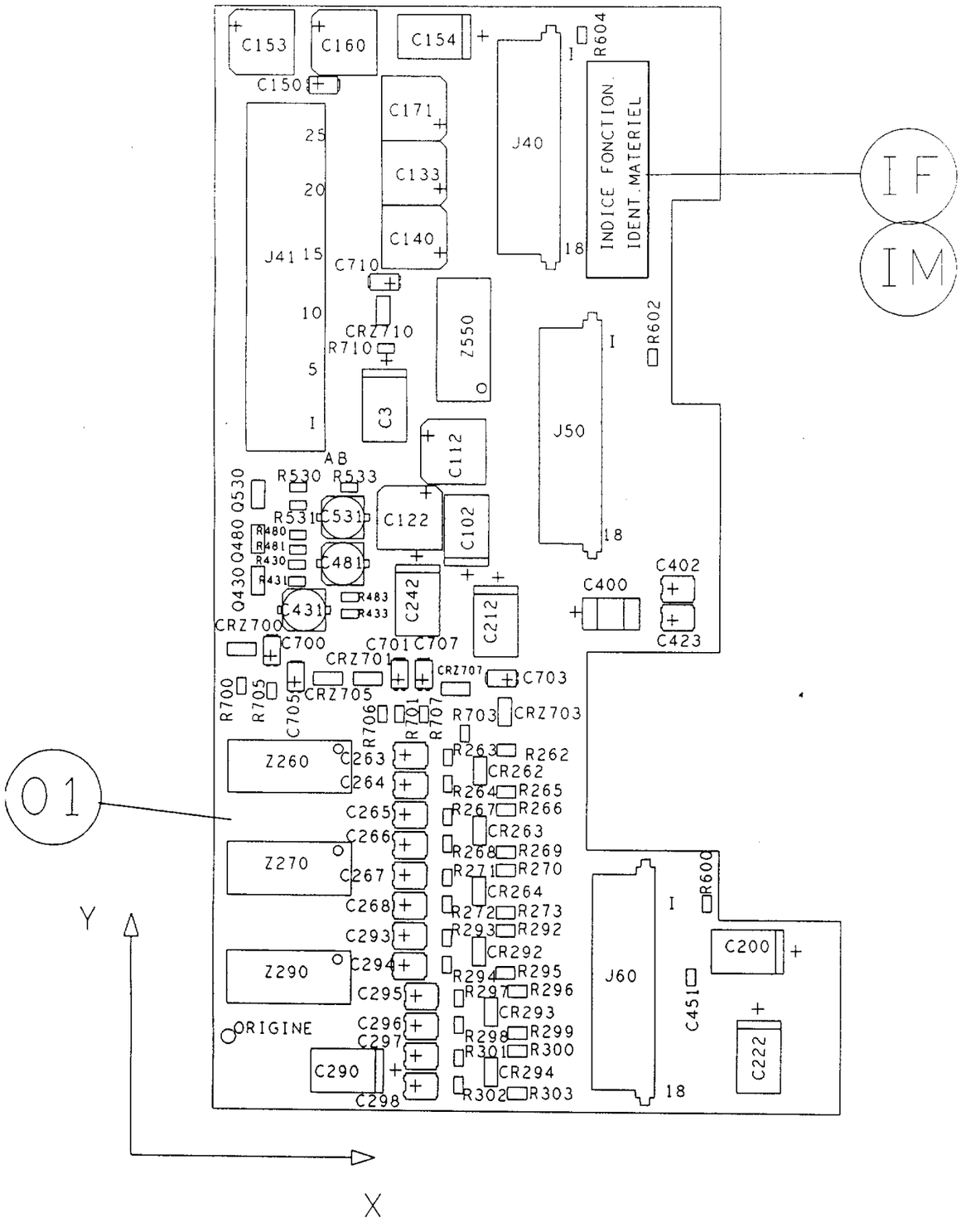
	CAMERA					
	TITLE: DRIVER FIT 16/9 -1250 PTS					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150606		030	02/03		

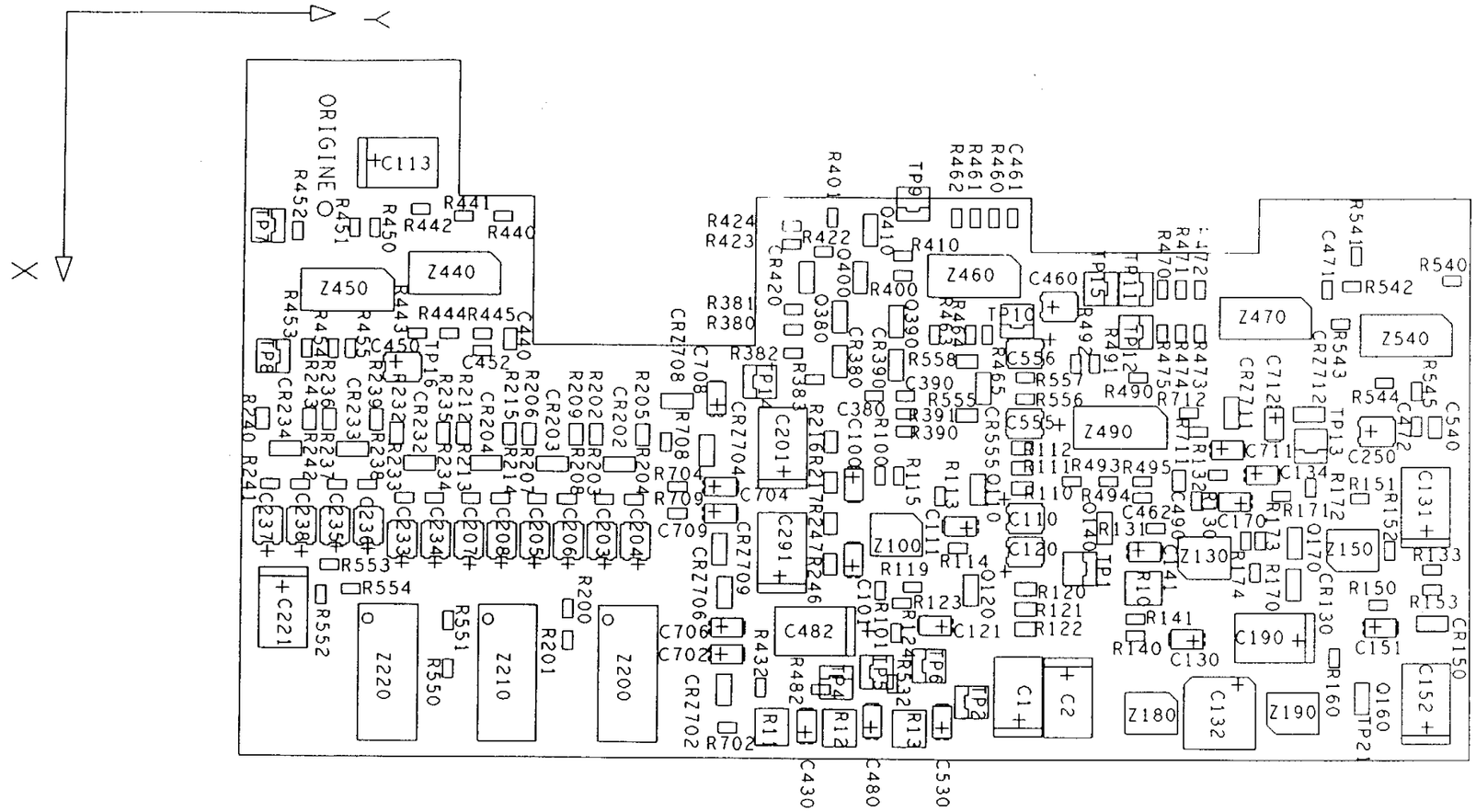


CCD NW3758 / NW3

						CAMERA
	TITLE: DRIVER FIT 16/9 -1250 PTS					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150606		030	03/03		

CAMERA				
TITLE: DRIVER FIT 16/9 -1250 PTS				
THOMSON	DRAWING NO: 461506606	REV:	CODE: 046	SHEET: 01/02
				BLOCK:




Y
X
ORIGINE
C113
R452
R451
R441
R442
R440
R450
Z450
Z440
R444
R445
C440
C452
C451
R453
R454
R455
R456
R457
R458
R459
R460
R461
R462
R463
R464
R465
R466
R467
R468
R469
R470
R471
R472
R473
R474
R475
R476
R477
R478
R479
R480
R481
R482
R483
R484
R485
R486
R487
R488
R489
R490
R491
R492

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RED

INPUT RED CCD
S210302417S
J31
C200 22U
Z200 74HC4053S
R10 15K
TP13
R12 2K
R11 150
Q10 S03906
Q20 BS122
BAV99S
CR100
R13 100
R14 0
C30 0.1U
R30 2K
Q30 S03906
R31 100
C42 0.1U
R40 100
Q40 SST309
Q50 S03904
R41 2K
R50 3K
C40 22P
C43 4.7U
MSUB/G
C50 0.1U
Q50 BS122
Q60 BS122
C82 2.2P
C83 2P7/6P
Q80 SST309
C80 22P
C81 4.7U
R81 47
TP7
CORRE PIX R
C165 5.6P
R163 1K
R80 2K
Q70 BS122
Q100 SST309
R103 47
TP8
C100 22P
R100 2K
R101 0
C103 8.5PF/50P
R160 910
R102
R1 200
R161 1.2K
ADJUST R
OFFSET SHUTTER R
C101 1.5P
C102 2PF/6P
C70 1U
R70 120K
R72 47K
CR70 BAS16
R71 180K
R73 390K
C71 10N
C41 8.2P
SHP1
TO 0620 folio 1/2
SHP
BLK_TRANSF
CORR_PIX
SHD
R200 470K
R1011 10K
Z1020 CD74AC04S-EXT
Z1010 74AC00S
(PSVC: 14; GND: 7)
(PSVB: 14; GND: 7)
R1013 33
R1012 33
TP14
R165 1.5K
Z160 LT1229CS
C163 0.1U
C164 0.1U
R154 3.6K
TP1
R166 220
SI GAIN CCD TROP ELEVE
R166 300
R1166 820
R167 NC
R168
R169
R170
R171
R172
R173
R174 220
DL1 DPIS140N 220-40NS
R190 1K
L190 1.8U
C190 27P
R191 33
L191 1.8U
C191 27P
R192 NC
R179 1K
R177 75K
R178 220
R3 2K
GAIN R
Z160 LT1229CS
OUT R
TP2
OUT_RED
R180 75
MIX
MK
PSVB_FVG
R2 20K
BIAS 0V R
MSVB_FVG

BLUE

INPUT BLUE CCD
5210302417S
J33
C500 22U
Z500 74HC4053S
R510 15K
TP18
R512 2K
R511 150
Q610 S03906
Q620 BS122
CR610 BAV99S
CR1610
R513 100
R61 0
C530 0.1U
R630 2K
Q630 S03906
R631 100
C642 0.1U
R640 100
Q640 SST309
Q650 S03904
R641 2K
R650 3K
C640 22P
C643 4.7U
MSUB/G
C550 0.1U
Q650 BS122
Q660 BS122
C660 22P
C661 4.7U
R661 1K
R660 2K
C560 2.2P
C561 2P7/6P
Q680 SST309
TP11
CORRE PIX B
C765 5.6P
R783 1K
Q670 BS122
Q700 SST309
R703 47
TP12
C700 22P
R700 2K
R701 0
C701 8.5PF/50P
R760 910
R702
R7 200
R761 1.2K
ADJUST B
OFFSET SHUTTER B
C671 10N
C641 8.2P
SHP1
SHP
SHD
CORR_PIX
R500 10K
R1001 100K
R1004 10K
R1003 100K
Z1020 CD74AC04S-EXT
Z1000 74AC00S
(PSVA: 14; GND: 7)
R1005 33
TP17
TP19
TP20
C570 1U
R70 120K
R672 47K
CR670 BAS16
R571 180K
R673 390K
C520 10N
C541 8.2P
SI GAIN CCD TROP ELEVE
R766 300
R1766 820
Z760 LT1229CS
C763 0.1U
C764 0.1U
R765 1.5K
R764 3.6K
TP5
R766 220
R767 NC
R768
R769
R770
R771
R772
R773
R774 220
DL3 DPIS140N 220-40NS
R790 1K
L790 1.8U
C790 27P
R791 33
L791 1.8U
C791 27P
R792 NC
R779 1K
R777 75K
R778 75
R9 500
GAIN B
Z760 LT1229CS
OUT B
TP6
OUT_BLUE
R780 75
MARK
R1021 100K
R802 10K
PSVB_FVG
R8 20K
BIAS 0V B
MSVB_FVG

POWER DE :
Z1000 Z1010 Z1020
PSVA/G PSVB/G PSVC/G
R1000 10
R1010 10
R1020 10
C1000 0.1U
C1010 0.1U
C1020 0.1U

VCC = +5V
VEE = -5V

						TTV1657
					TITLE	SAMPLE AND HOLD
15-12-97						
THOMSON BROADCAST	DRAWING No	REV	CODE	SHEET	BLOCK	
	46150667	C	030	1/2		

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GREEN

INPUT GREEN CCD

S210304175

J32

FROM TIMING

0533379

P35

TO Z1000 folio 1/2

TO Z1010-Z1010-Z1000 folio 2/2

TO Z1000 folio 2/2

TO Z1010-Z1010-Z1000 folio 1/2

TO Z1020 folio 1/2

ADJUST G

OFFSET SHUTTER G

BIAS 0V G

SI GAIN CCD TRAP CLEVE

GAIN G

TO PROCESS

S210308175

J34

OUT_GREEN

OUT_RED

OUT_BLUE

DECOUPLAGES ALIM

MSUB

FREE

VCC = +5V
VEE = -5V

28-11-97	THOMSON BROADCAST	TTV				
		TITLE: SAMPLE AND HOLD				
		DRAWING No	REV	CODE	SHEET	BLOCK
		46150657	C	030	2/2	

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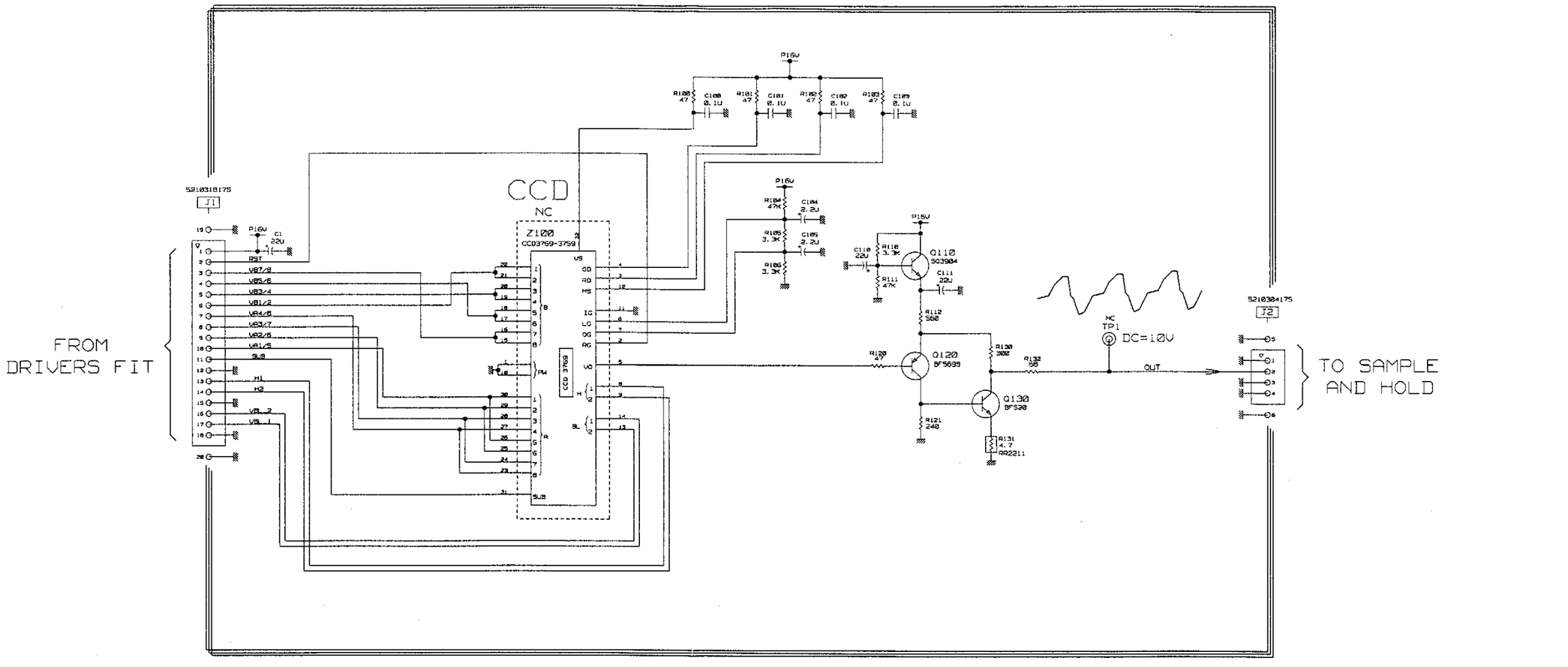
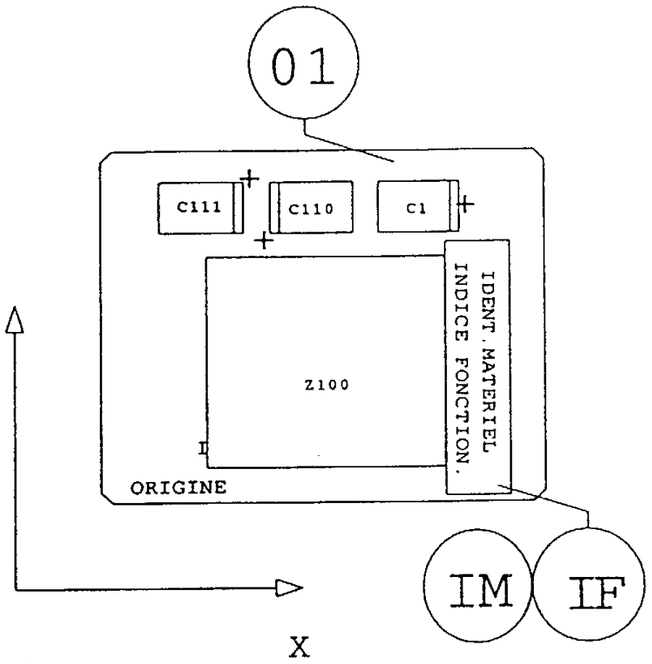
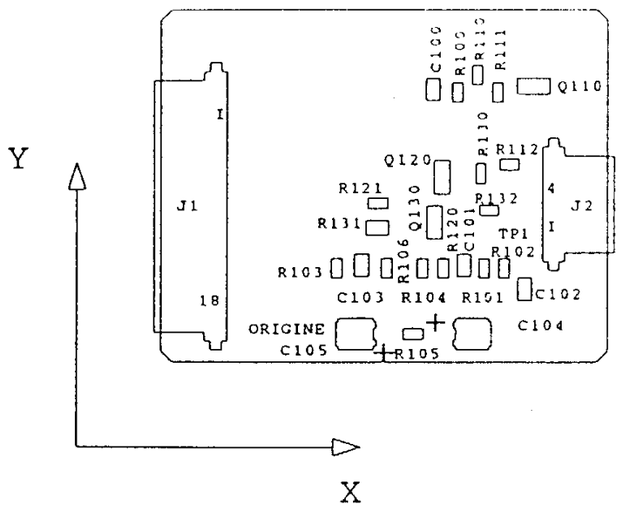
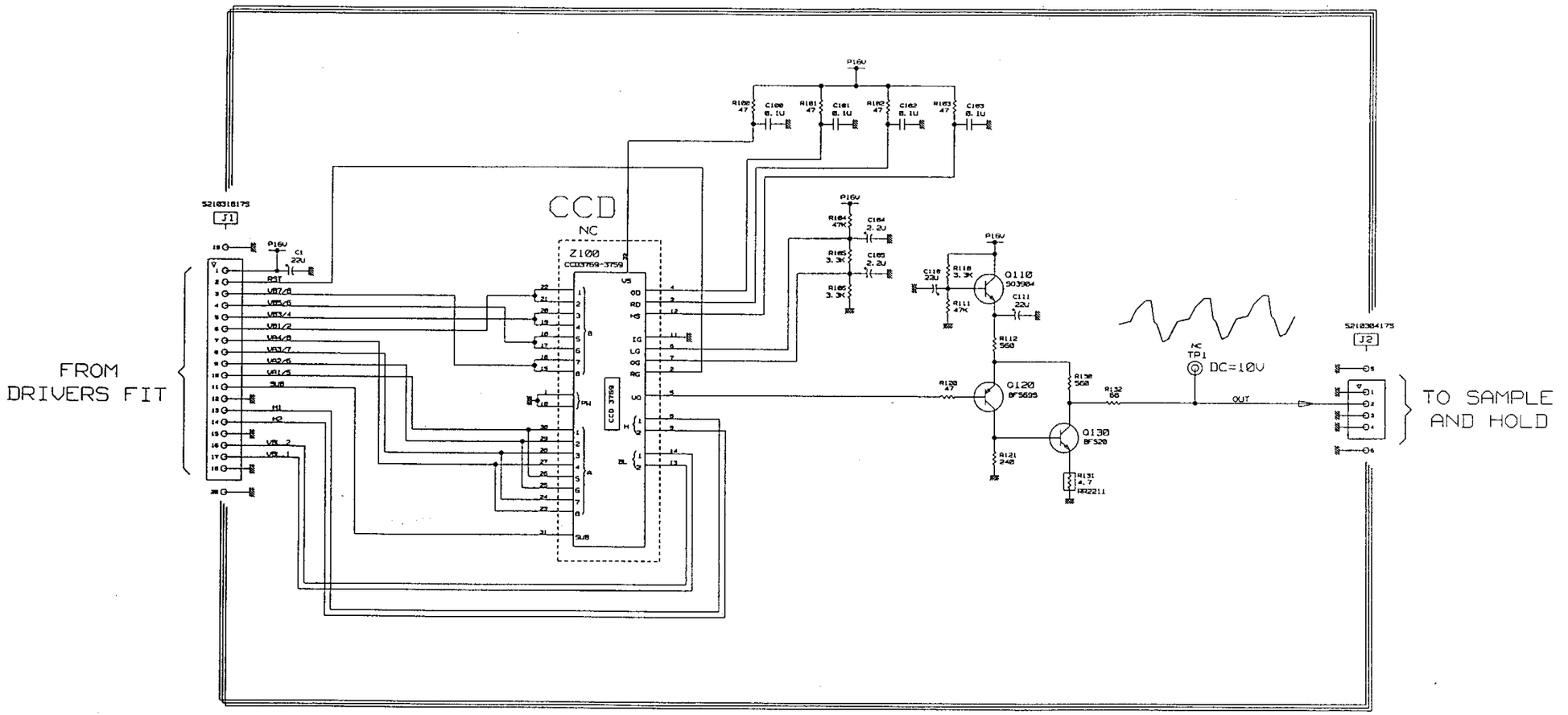


						TTV1657 TTV1657D TTV1707
20-11-97		TITLE	SOCKET FIT 16/9 1200 POINTS RED / GREEN			
THOMSON BROADCAST		DRAWING No	REV	CODE	SHEET	BLOCK
		46150607	A	030	1/1	

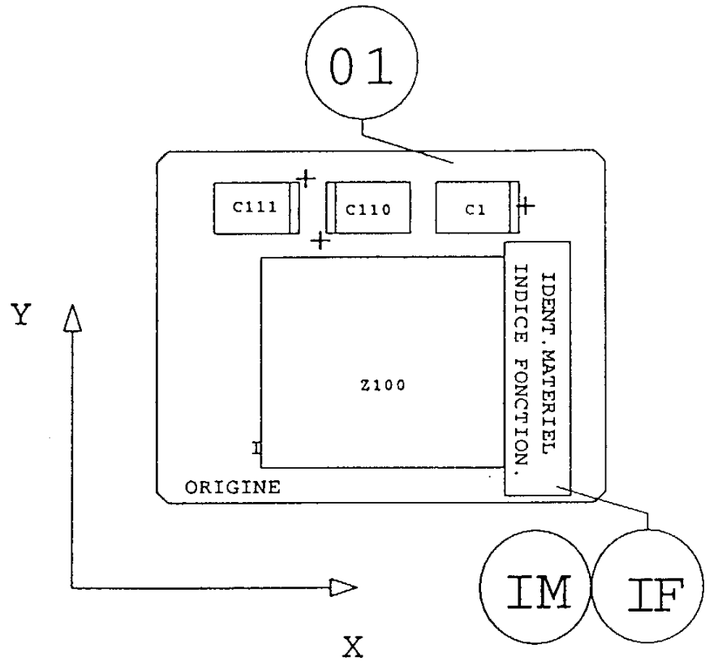


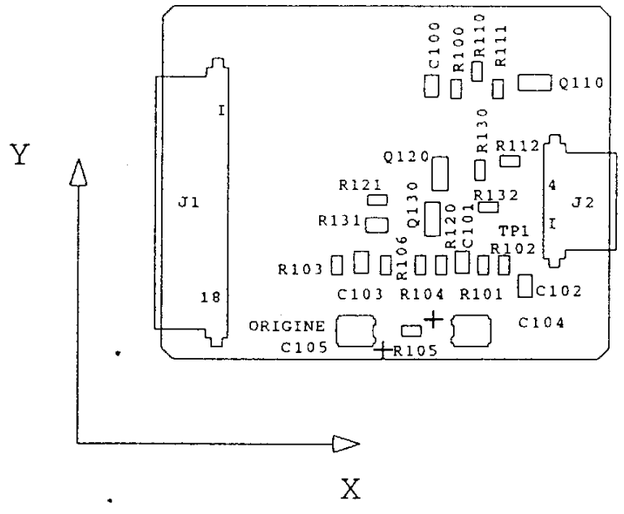


	CAMERA				
	"THM" GREEN REDCCD SOCKET FIT 16/9 -1250 PTS				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150607		046	01/01	



						CAMERA
	TITLE	BLUECCD SOCKET FIT 16/9 -1250 PTS				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150617		030	01/01		





						CAMERA
	TITLE	BLUECCD SOCKET FIT 16/9 -1250 PTS				
	DRAWING NO		REV	CODE	SHEET	BLOCK
THOMSON	46150617			046	01/01	

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ON AIR HANDLE

CRL2 CRL1

RED Ø 5mm

MICRO IN

J??

MIC_GND 1
MIC_X 2 X
MIC_Y 3 Y

J/P201

OVERALL INTERCONNECTION

J/P203 25 — J/P203 22

VF BOARD

J22 ← P22 VIEWFINDER or SPORTCAM

J22		P22
1	VWF1	1
2	GND/VWF1	2
3	+9.1V	3
4	GND	4
5	+12V_BATT	5
6	GND/SHIELD	6
7	CTRL_AUDIO_CH1	7
8	AUDIO_LEVEL_INDIC	8
9	MISO	9
10	MOSI	10
11	SCK	11
12	ON_AIR_VWF	12
13	SS0.8	13
14	SSI.8	14
15		15
16		16
17	VWF_2	17
18	GND/VWF_2	18
19	VWF_3	19
20	GND/VWF_3	20

VIEWFINDER or SPORTCAM

A B J/P205

J/P301 1 8 — J/P34 1 8

SAMPLE AND HOLD

J/P30 A B 25 — J/P35 A B 25

J/P31 J/P32 J/P33

3x SOCKET CCD

J/P2 RED J/P1 — J/P60

J/P2 GREEN J/P1 — J/P50

J/P2 BLUE J/P1 — J/P40

J/P302 16 1 — 16

J/P303 16 1 — 16

J/P504 8 1

TIMING

J/P31 A B 28 — J/P41 A B 28

DRIVERS

FILTERS WHEELS

BLUE

GREEN

RED

BLOC D'ANALYSE

CA85 | CA25 | VTR

SEE SHEET 3/3

J1

J2 1 — 50

INTERFACE BETA

J/P204 1 4

J/P401 16 1 — 16 J/P401

J/P402 16 1 — 15 J/P402

J/P505 8 1

REMOTE J50

MONITOR J20

GEN LOCK J21

+12V BATT	1	
RB+	2	
RA-	3	
EXT OCP RDY	4	
-BATT	5	
AB+	6	
AA-	7	
NC	8	
+12V BATT	9	
-BATT	10	

RMG BOARD

J/P502 1 10 — J/P502 1 10

J/P505 8 1 — J/P505

SIDE CONTROL

J/P506 8 1

J/P507 8 1

FRONT CONTROL

J/P1 8 1

KEY BOARD 1

LENS J51

LENS_VID_EXT_SW	1	
LENS_START_STOP	2	
-BATT	3	
5V_LENS	4	
LENS_IRIS	5	
+12V_BATT	6	
IRIS_POS	7	
LENS_IRIS_AUTO	8	
EXTENDER	9	
ZOOM_POS	10	
FOCUC_POS	11	
ON_AIR_LENS	12	

J/P503 1 12 — J/P503 1 12

LENS BOARD

MICROPROCESSOR UNIT

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WD60 1/3		CAMERA				
	TITLE	OVERALL INTERCONNECTION				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
				01/03		

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1	GND
2	DH
3	DV
4	FLD
5	CLP_1
6	CLP_2
7	SS1_6
8	SS2_6
9	MISO
10	MOSI
11	SCK
12	SS0_6
13	TEMP
14	CK28_8/RET
15	CK28_8
16	GND

1	VCCD/1
2	VCCD/2
3	+9V8
4	+5V_DIGIT
5	+5V8/1
6	+5V8/2
7	-5V8/1
8	-5V8/2
9	GND
10	GND
11	+12V_BATT
12	+12V_BATT
13	+12V_BATT
14	-BATT
15	-BATT
16	-BATT

J/P203 — J/P203

1	VWF1
2	GND/VWF1
3	+9,1V
4	GND
5	+12V_BATT
6	GND/SHIELD
7	CTRL_AUDIO_CMI
8	AUDIO_LEVEL_INDIC
9	MISO
10	MOSI
11	SCK
12	ON_AIR_VWF
13	SS0_8
14	SS1_8
15	
16	
17	VWF_2
18	GND/VWF_2
19	VWF_3
20	GND/VWF_3
21	
22	

1	
2	RET_RGB
3	GREEN
4	RET_RGB
5	RED
6	RET_RGB
7	BLUE
8	RET_RGB

J/P301 — J/P34

J/P302

J/P303

VOIR
INTERCO TETE

J1 — J2

1	MONITOR
2	GND
3	GL_X
4	GND

J/P284

J/P504

J/P401 — J/P402 — J/P505

J/P204

1	+12V_BATT
2	+12V_BATT
3	RB+
4	RA-
5	
6	AB+
7	AA-
8	EXT_OCP_RDY
9	-BATT
10	-BATT

J/P502 — J/P502

1	SD (SD_CAM_CA)
2	CS_1
3	CS_2
4	CS_3
5	CS_4
6	CS_5
7	CS_6
8	NAM
9	CHR_VIDEO
10	CHR_BLK
11	DIAG
12	MISO
13	MOSI
14	SCK
15	CK3,5
16	AUDIO_LEVEL_INDIC

1	GND
2	+5V
3	+5V
4	+5V_DIGITAL
5	TEST(VIDEO_DIAG)
6	TEMP
7	DH
8	DV
9	TAPE_INDIC_10
10	CLP_2
11	+12V_BATT
12	+12V_BATT
13	-BATT
14	-BATT
15	5V_LENS
16	GND

J/P506

J/P507

1	GND
2	+5V_DIGIT
3	MISO
4	MOSI
5	SCK
6	SS0_11
7	CAM_STBY
8	VTR_SAVE

1	GND
2	+5V_DIGIT
3	MISO
4	MOSI
5	SCK
6	SS0_11
7	
8	VTR_SAVE

J/P1

1	GND
2	+5V
3	MISO
4	MOSI
5	SCK
6	SS0_10
7	DH
8	DV

J/P503 — J/P503

1	LENS_VID_EXT_SW
2	LENS_START_STOP
3	-BATT
4	5V_LENS
5	LENS_IRIS
6	+12V_BATT
7	IRIS_POS
8	LENS_IRIS_AUTO
9	EXTENDER
10	ZOOM_POS
11	FOCUS_POS
12	ON_AIR_LENS

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CAMERA

WD60 2/3

TITLE: OVERALL INTERCONNECTION

THOMSON

DRAWNING NO	REV	CODE	SHEET	BLOCK
			02/03	

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CA85		CA25		VTR		50 Pts J1	INTERCO J2	APPELLATION
GENLOCK		GENLOCK	→	GENLOCK IN		1	42	GL_X
GND GENLOCK		GND GENLOCK		GND/GENLOCK		2	41	GL_Y
+9V		+9V	←	+9V/100mA	←	3	43	+9V
-5V		-5V	←	-5V/50mA	←	4	44	-5V
GND POWER		GND POWER		GND POWER		5	46/47	-BATTERIE
GND POWER		GND POWER		GND POWER		6	48/49	-BATTERIE
RED VIDEO	←	RED VIDEO	←	RED VIDEO OUT		7	2	RED_3
GREEN VIDEO	←	GREEN VIDEO	←	GREEN VIDEO OUT		8	4	GREEN_3
BLUE VIDEO	←	BLUE VIDEO	←	BLUE VIDEO OUT		9	6	BLUE_3
GND R.G.B		GND R.G.B		GND/R.G.B		10	3/5/7	GND/R.G.B
SERIAL DATA>CA	←	SERIAL DATA>CA	←	SERIAL CTRL DATA		14	16	SD CAM>CA
GND MIC		GND MIC		GND MIC		15	8	-BATTERIE
MIX X	←	MIX X	←	MIX X	←	16	10	MIC_X
MIX Y	←	MIX Y	←	MIX Y	←	17	9	MIC_Y
VF VIDEO	→	VF VIDEO	→	VF VIDEO	→	18	39	VIDEO EXT
GND/VF VIDEO		GND/VF VIDEO		GND/VF VIDEO		19	38	GND VIDEO EXT
AUDIO LVL INDIC		AUDIO LVL INDIC	→	AUDIO LVL INDIC	→	20	36	AUDIO LVL INDIC
SS CA-1	←	SS CA-1		SS CA-1		21	34	SS CA 1 (SPARE THOMSON)
SER. DATA>CAM	→	SER. DATA>CAM	→	TAPE INDIC 10	→	22	45	TAPE IND 10/SD CA>CAM
ASSERVISS-NT H	→	ASSERVISS-NT H		TAPE INDIC 5	→	23	50	TAPE IND 5/ASS H
MISO	→	REC/TALLY		REC/TALLY	→	24	32	REC-TALLY/MISO
CCU INFO		CCU INFO	→	BATTERIE INDIC	→	25	27	BATT INDIC/CA INFO
MOSI	←	VF SWITCH CTRL	→	VF SWITCH CTRL	→	26	24	CTRL VIDEO EXT/MOSI
SS CA-0	←	CALL	→	VTR START/STOP	←	27	20	VTR START-STOP/CALL/SSCA0
						28		
R-Y VIDEO OUT		R-Y VIDEO OUT	←	R-Y VIDEO OUT	←	29	18	R-Y
GND/R-Y		GND/R-Y		GND/R-Y		30	17	GND/R-Y
AUDIO CH-1 CTRL		AUDIO CH-1 CTRL		AUDIO CH-1 CTRL	←	31	15	CTRL AUDIO CH1
VTR SAVE		VTR SAVE	←	VTR SAVE	←	32	13	VTR SAVE
AUDIO MONITOR		AUDIO MONITOR		AUDIO MONITOR	→	33	11	AUDIO MONITOR (RESERVED)
SYNCHRO		SYNCHRO	←	SYNCHRO	←	34	40	SYNCHRO VTR
SCK	←	SCK		PB STATUS	→	36	37	PB STATUS/SCK
COLOR FRAME		COLOR FRAME	←	COLOR FRAME	←	37	35	CFR
RAZ V	→	RETURN CTRL	←	RETURN CTRL	←	38	33	CTRL VIDEO EXT OUT/RAZ V
POWER +12V IN	→	POWER +12V IN	→	POWER +12V IN	→	39	28/29	+12V BATTERIE
POWER +12V IN	→	POWER +12V IN	→	POWER +12V IN	→	40	30/31	+12V BATTERIE
Y VIDEO OUT		Y VIDEO OUT	←	Y VIDEO OUT	←	41	26	Y
GND/Y		GND/Y		GND/Y		42	25	GND/Y
ENCODED VIDEO OUT		ENCODED VIDEO OUT	←	ENCODED VIDEO OUT	←	43	22	ENCODED 2
GND/ENCOD		GND/ENCOD		GND/ENCOD		44	21	GND/ENCODED
						45	19	(SPARE THOMSON)
				RESERVED SONY		48		
B-Y VIDEO OUT		B-Y VIDEO OUT	←	B-Y VIDEO OUT	←	49	14	B-Y
GND/B-Y		GND/B-Y		GND/B-Y		50	12	GND/B-Y
							1/23	GND/CI SOUPLE

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CAMERA

WD60 3/3	TITLE: OVERALL INTERCONNECTION				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK
				03/03	

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J155 POWER

VCC = +5V_DIGIT

VEE = -5V

J152 DIGITAL PROCESS

J103 SPARE

J105

J104 PAL ENCODER

J102

J101 ANALOG PROCESS

RESISTOR ±0,5% 1/16W

						CAMERA
SD61 1/4	TITLE: MOTHER BOARD					
THOMSON	DRAWNING NO: 4C150404	REV	CODE: 030	SHEET: 01/04	BLOCK	

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CA / VTR

J2
SERF50PS

GND_CI_SOUPLE
RED_2_ [1]
GREEN_2_ [1]
BLUE_2_ [1]
GND_RED
GND_GREEN
GND_BLUE
M_BATT
MIC_Y
MIC_X
AUDIO_MONITOR (RESERVED)
GND_CB2_ (B-Y)
VTR_SAVE
CB2_ [1] (B-Y)
CTRL_AUDIO_CHI_
SD (SD_CAM_CA)
GND_CR2_ (R-Y)
CR2_ [1] (R-Y)
PHANTOM POWER (CA85)
VTR_START_STOP [3] (CALL_CA25 / SS_CA0)
ENC_2_ [1]
GND CI SOUPLE
CTRL_VIDEO_EXT_IN [3] (MOSI CA)
GND Y2_ (Y)
Y2_ [1] (Y)
BATT_INDIC [3] (CA INFO)
P12V_BATT
REC_TALLY [3] (MISO_CA)
CTRL_VIDEO_EXT_OUT [3] (RAZ V)
SS_CA_1_ [3]
CFR [1]
AUDIO_LEVEL_INDIC
PB_STATUS [3] (SCK CA)
GND VIDEO EXT
VIDEO_EXT [4]
SYN_VTR [1]
GL_Y
GL_X [1]
P9V
VEE
TAPE_INDIC_10_ [3] (SD_CA_CAM)
M_BATT
TAPE_INDIC_5_ [3] (ASS_H)

R20 470 R21 470 R22 470
P12V_BATT
R24 470 R25 470 CR220 BZX84C5V1
R23 75 R26 75 R20 75

P12V_BATT
CR10 BAV70S
R14 220
C15 22µF
R15 6.2K R16 330
Q10 2N4392S
R17 3.3MEG R18 10MEG
Q30 2N4392S
R19 1MEG C11 10u C12 0.22u
R30 6.2K R31 330

ON-AIR SOUND

LXAP04LT1P1
J205
MIC_Y
MIC_X
ON_AIR_HANDLE [3]
VCC
R43 470
M_BATT

FILTER WHEEL

521031017S
J201
M1_ [1]
P1_ [1] [4]
P5V
P2_ [1] [4]
M2_ [1]
WHEEL_CODE [4]

VIEWFINDER

521032217S
J203
VWF_1_ [4]
GND VWF_1_
P9_1V
P12V_BATT
GND SHIELD
CTRL_AUDIO_CHI_
AUDIO_LEVEL_INDIC
MISO_1_ [3]
MOSI_1_
SCK_1_
ON_AIR_VWF [3]
SS0_8_ [3]
SS1_8_ [3]
VWF_2_ [1]
GND VWF_2_
VWF_3_ [1]
GND VWF_3_
P12V_BATT

MONITOR GEN-LOCK

521030417S
J204
MONITOR [4]
GL_X [1]

VCC = +5V_DIGIT

VEE = -5V

SAMPLE

521030817S
J301
RETURN_RGB
GREEN
RED
BLUE
[1]

KEYBOARD

521030817S
J504
VCC
MISO
MOSI
SCK
SS0_10_ [3]
R50 0
DH [1]
R51 0
DV [1]
Nc

BOTTOM PANEL

521030817S
J505
VCC
SS0_11_ [3]
STDBY [1]
VTR_SAVE

MPU 1

521031817S
J401
SD (SD_CAM_CA)
CS1_
CS2_
CS3_
CS4_
CS5_
CS6_ [3]
MISO
MOSI
SCK [1] [3] [4]
9MHZ [1]
SYNC [1]
CHR_VIDEO [1] [4]
CHR_VIDEO_BLK [1]
CHR_VWF [4]
CHR_VWF_BLK [4]
SD_CA_CAM [3]
AUDIO_LEVEL_INDIC

MPU 2

521031817S
J402
P5V
VEE
VCC
P3_3V
INT_A [1]
INT_B [1]
VWF_X [4]
NAM [3]
DIAG_1 [4]
P12V_BATT
M_BATT
P5V_LENS

TIMING 1

521031617S
J302
R40 100 DH
R41 100 DV
C40 NC
C41 NC
FLD [1]
CLP_1_ [1]
CLP_2_ [1]
SS1_6_ [3]
SS2_6_ [3]
MISO
MOSI
SCK
SS0_6_ [3]
TEMP [1]

TIMING 2

521031617S
J303
VCCD1_
VCCD2_
P9V8
VCC
P5VB1_
P5VB2_
M5VB1_
M5VB2_
P12V_BATT
M_BATT

RESISTOR ±0,5% 1/16W

						CAMERA
SD61 2/4	TITLE: MOTHER BOARD					
THOMSON	DRAWNING NO: 4C150404	REV	CODE: 030	SHEET: 02/04	BLOCK	

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ADDRESS DECODER

VCC = +5V_DIGIT

VEE = -5V

NAM VIDEO PROFIL

TO VIEWFINDER

FREE

RESISTOR ±0.5% 1/16W

CAMERA					
SD61 3/4	TITLE: MOTHER BOARD				
THOMSON	DRAWNING NO: 4C150404	IND:	CODE: 030	SHEET: 03/04	BLOCK:

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SELECTION MONITORING

A2	A1	A0		
0	0	0	NA	X 1
0	0	1	NA	
0	1	0	R-G	
0	1	1	B-G	
1	0	0	R	X 1/2
1	0	1	G	
1	1	0	B	
1	1	1	ENC	

VIEWFINDER

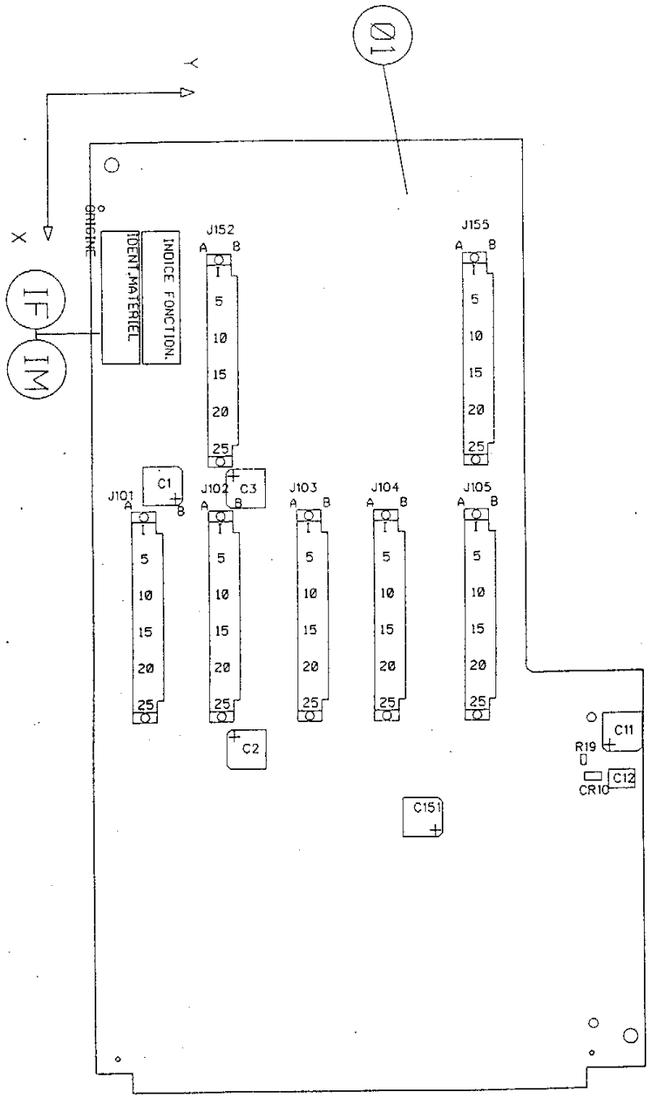
DIAGNOSTIC

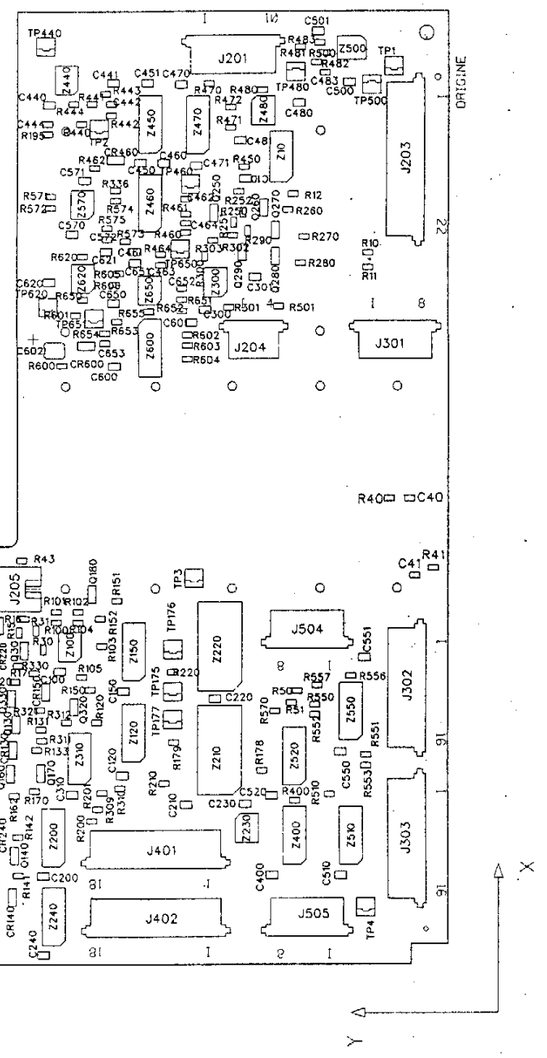
VCC = +5V_DIGIT

VEE = -5V

RESISTOR ±0.5% 1/16W

SD61 4/4	TITLE: MOTHER BOARD				CAMERA
THOMSON	DRAWNING NO: 4C150404	REV	CODE: 030	SHEET: 04/04	BLOCK





						CAMERA
LD61 1/1	TITLE	MOTHER BOARD				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4C150404		046	01/01		

POWER SUPERVISOR

MEAS_BATT

Z210 — MM809CHES — MICROPROCESSOR SUPERVISORY CIRCUITS

BT210 3.4V

P12V_BATT-G

IR06

Z190 — CD74AC132S-EXT-888

CS_APPL_DEVICE

V_BATT (3.2V)

V_BATT

Z140 — 74HC288

MALT — CRL148 LS268RE ACO

RESET — TP140 NC — TP141 NC

ERASE — TP142 NC — TP143 NC

RST

MPU

Z110 — M50636FTCG-25 — 16bit uP

8MHz

EXTAL — RESET — BUSY — DISCPU — RXD — TXD — BG — BGACK — BR — CLKO — XTAL — BERR — HALT — CS0/IOUT2 — CS1 — CS2 — CS3 — TXD1/LITXD — RTS1/LIRQ/GCIDCL — BRG1 — TCLK1/LI5Y8/3051

TP112 NC — TP113 NC — TX_DIS

RXD — CHAR_DUN — MPUDUN

RXD1/LIRXD — CTS1/LIOR — CD1/LIST1 — RCLK1/LICLK

IAOK7/PB0 — IAOK6/PB1 — IAOK1/PB2 — TIN1/PB3 — TOUT1/PB4 — TIN2/PB5 — TOUT2/PB6 — WDOG/PB7 — PB8 — PB9 — PB10 — PB11

CD3/SPCLK — CTS3/SPRXD

IPL0/IRQ1 — IPL1/IRQ6 — IPL2/IRQ7 — FC0 — FC1 — FC2 — AVCC/IOUT0

RXD2/PA0 — TXD2/PA1 — RCLK2/PA2 — TCLK2/PA3 — CTS2/PA4 — RTS2/PA5 — CD2/PA6 — BRG2/5052/PA7

RXD3/PA8 — TXD3/PA9 — RCLK3/PA10 — TCLK3/PA11 — BRG3/PA12 — RTS3/SPTXD

DREQ/PA13 — DACK/PA14 — DONE/PA15

AS — R/W — UDS/AB — LDS/DS — DTACK — RMC/IOUT1 — IAC — BCLR

ADR_(18..1) — A1 … A23

DATA_(15..0) — D0 … D15

PROM

SPE: 47016975

Z100 — 27C4096L-120-5LP5 — EPROM 256Kx16

RAM

Z220 — HM62256LFPS-10T — SRAM 32Kx8

Z230 — HM62256LFPS-10T — SRAM 32Kx8

C220 0.1u — C221 4.7u — C230 0.1u — C231 4.7u

Z200 — CD74ACT08S-EXT

Z240 — CD74ACT32S-EXT-888

Z180 — CD74HC08S — MOSI

MISO — SCK

TP125 NC — TP126 NC — TP124 NC — TP127 NC

MOSI MISO SCK GND

GND — TP1 — TP2 — TP3 — TP4

MPUDUN — R250 10K — TP5 SYNCHRO SCOPE — R251 22K

CS

6	5	4	3	2	1	
1	1	1	1	1	1	adr 03F : ss adr OFF
1	1	x	x	x	x	adr 03X : int access
1	0	x	x	x	x	adr 02X : ext access
0	1	x	x	x	x	adr 01X : ext access
0	0	x	x	x	x	not used

SPI SLAVE DECODING

Z182 — CD74HC08S

Z170 — CD74HC138S — DMUX

SS_GENC_DA — SS1_68P1 — SS2_68P1 — SS_CONV_DA — SS_BOX — SS_CONV_AD

Z150 — 74HC08S

Z250 — EDP93C66S — EEPROM 2K(256*16)16

MISO

VCC = DIGIT +5V

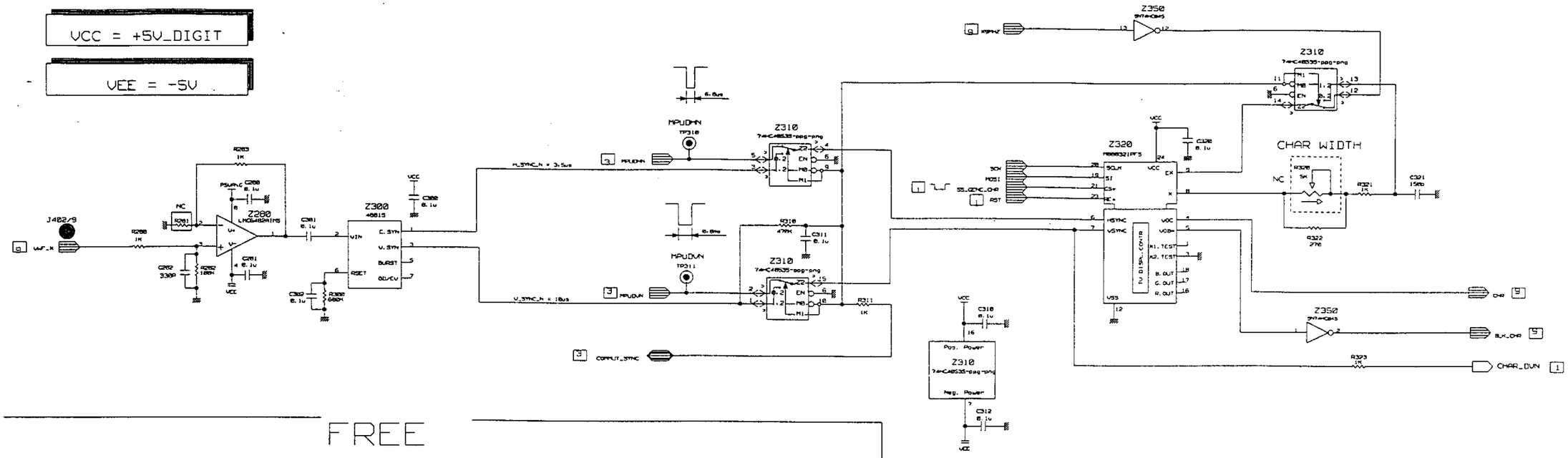
VEE = -5V

MPU BLOC

CAMERA					
SD62 1/9	TITLE: MPU				
THOMSON	DRAWING NO: 4C150403	REV	CODE: 030	SHEET: 01/09	BLOCK

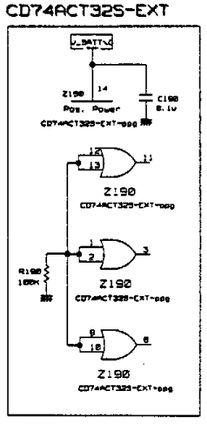
VCC = +5V_DIGIT

VEE = -5V

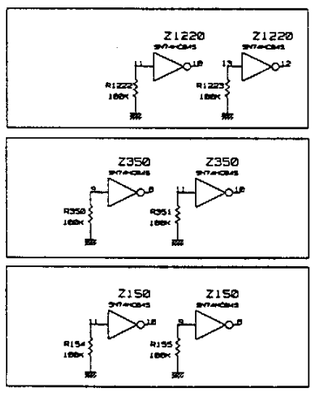


FREE

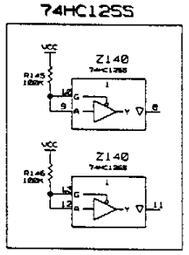
CD74ACT32S-EXT



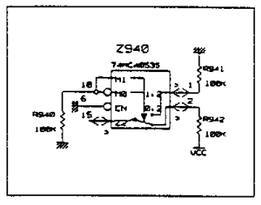
SN74HC04S

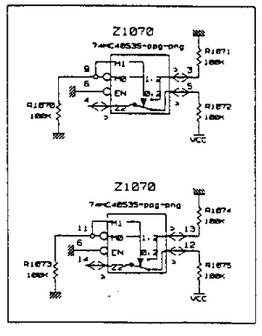


74HC125S

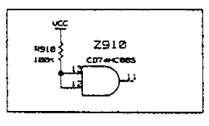


74HC4053S

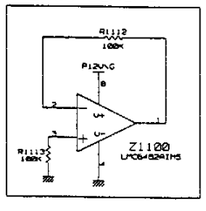




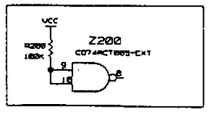
CD74HC08S



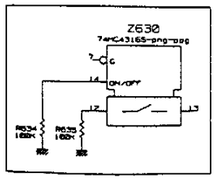
LMC6482AIMS



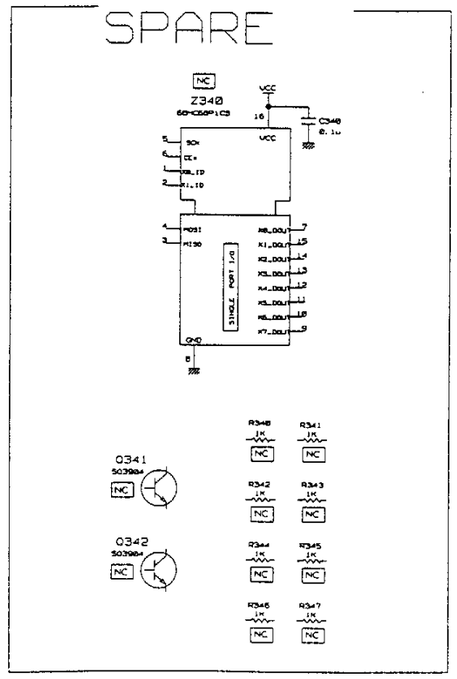
CD74ACT00S-EXT



74HC4316S



SPARE



SYNCHRO EXTRACTION

					CAMERA
SD62 2/9	TITLE: MPU				
THOMSON	DRAWING NO: 4C150403	REV	CODE: 030	SHEET: 02/09	BLOCK

PROGRAMMATION
EXT

PHASE VIDEO

VCC = DIGIT +5V

VEE = -5V

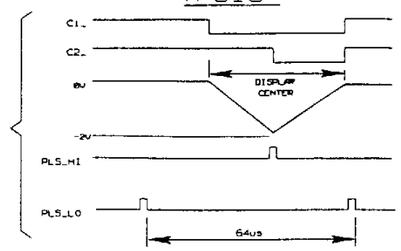
SIGNAL GENERATOR

	CAMERA				
SD62 3/9	TITLE: MPU				
THOMSON	DRAWING NO: 4B150403	REV	CODE: 030	SHEET: 03/09	BLOCK

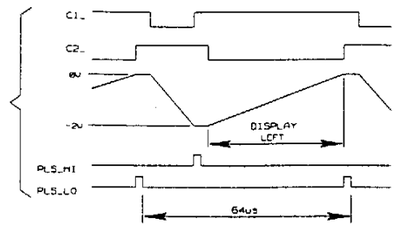
BARGRAPH GENERATOR

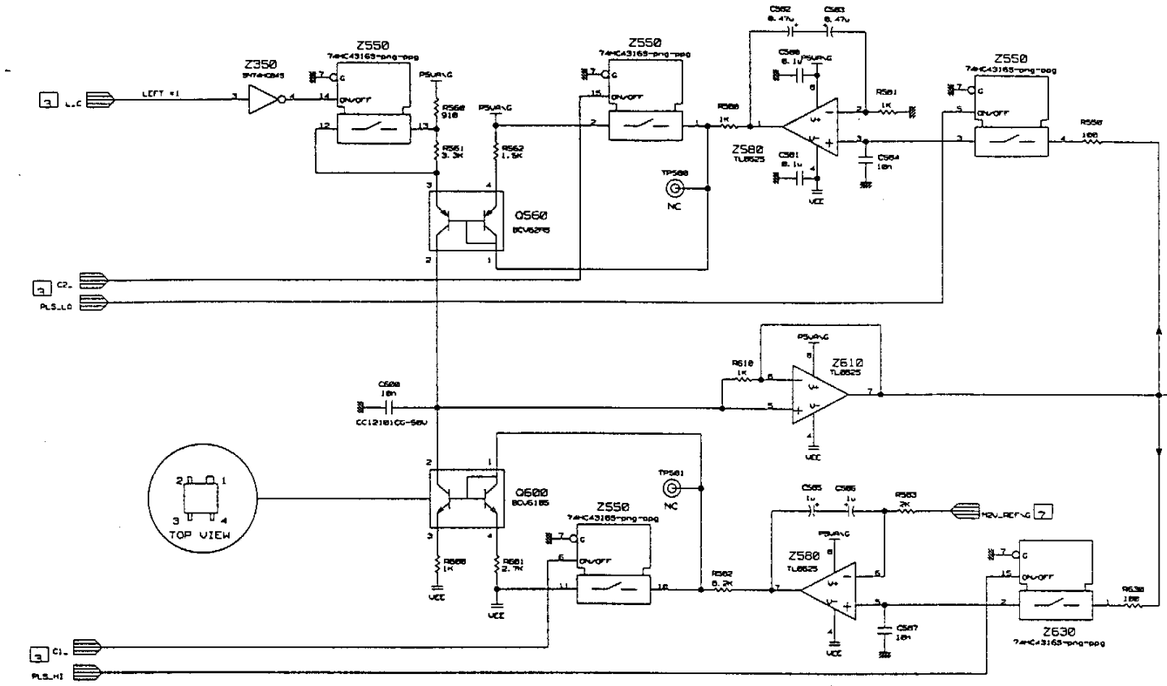
TP610

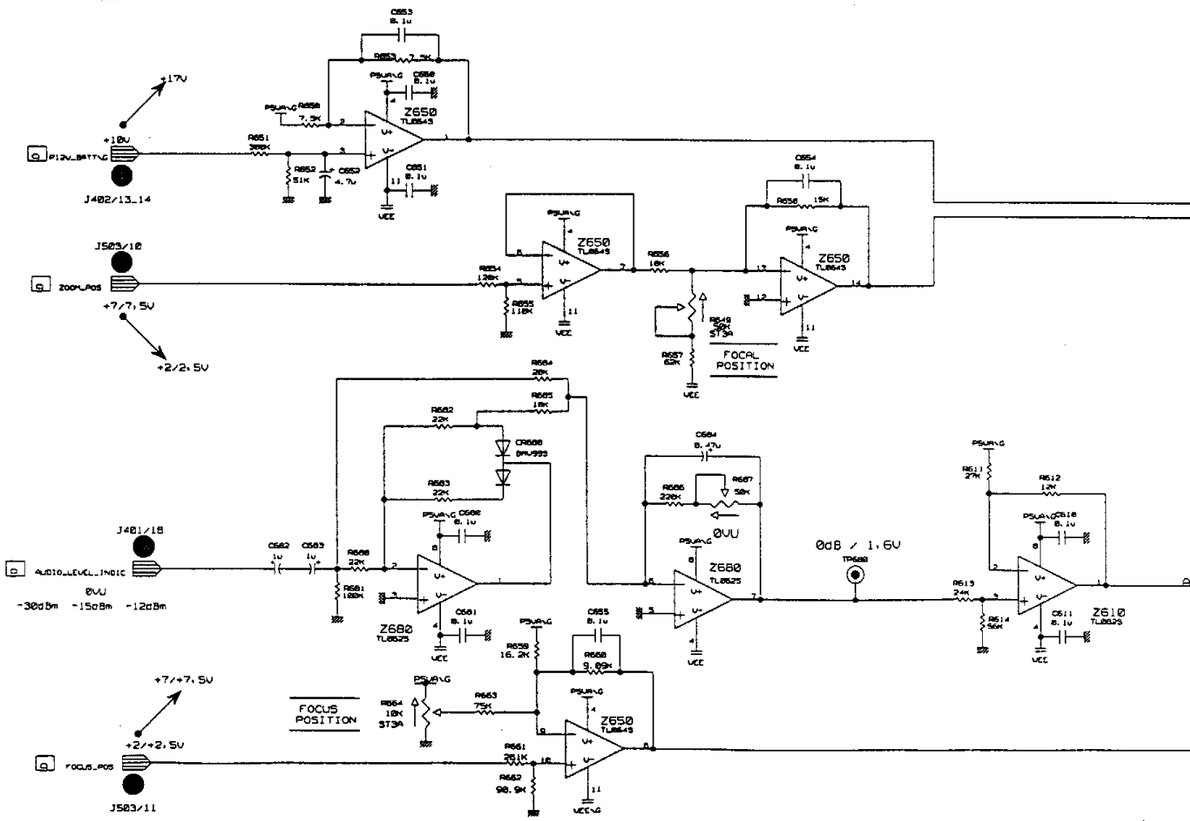
CENTER

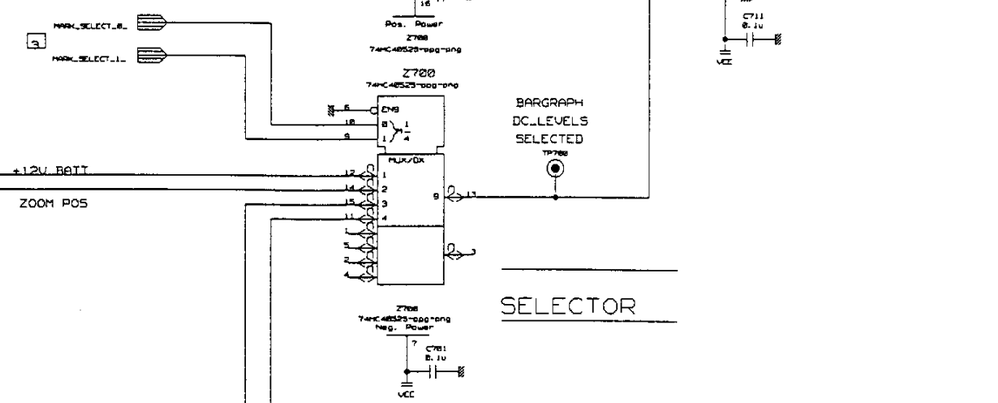


LEFT









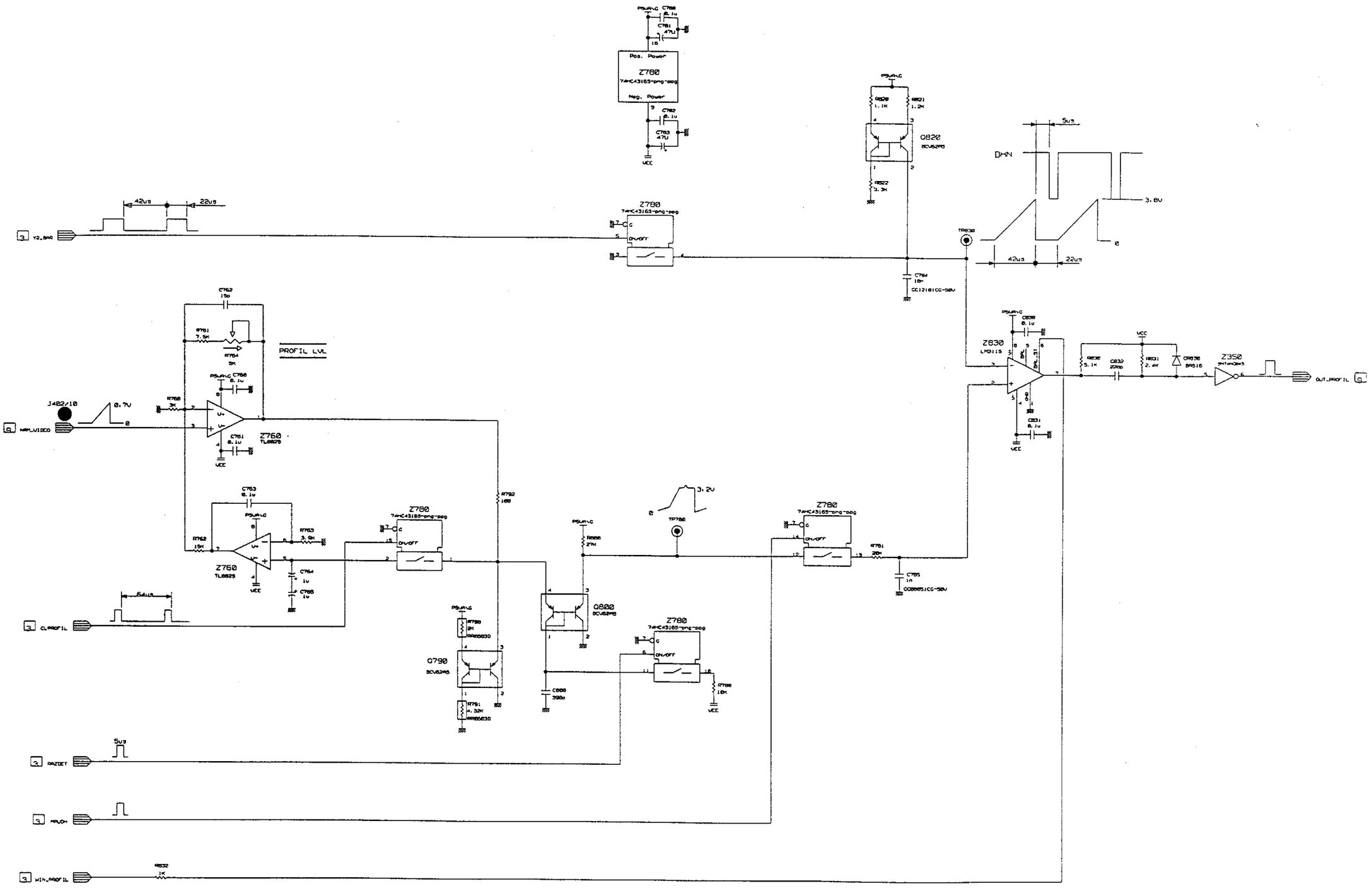
SELECTOR

VCC = DIGIT +5V

VEE = -5V

INDICATORS GENERATOR

						CAMERA
SD62 4/9	TITLE: MPU					
THOMSON	DRAWING NO: 4B150403	REV	CODE: 030	SHEET: 04/09	BLOCK	



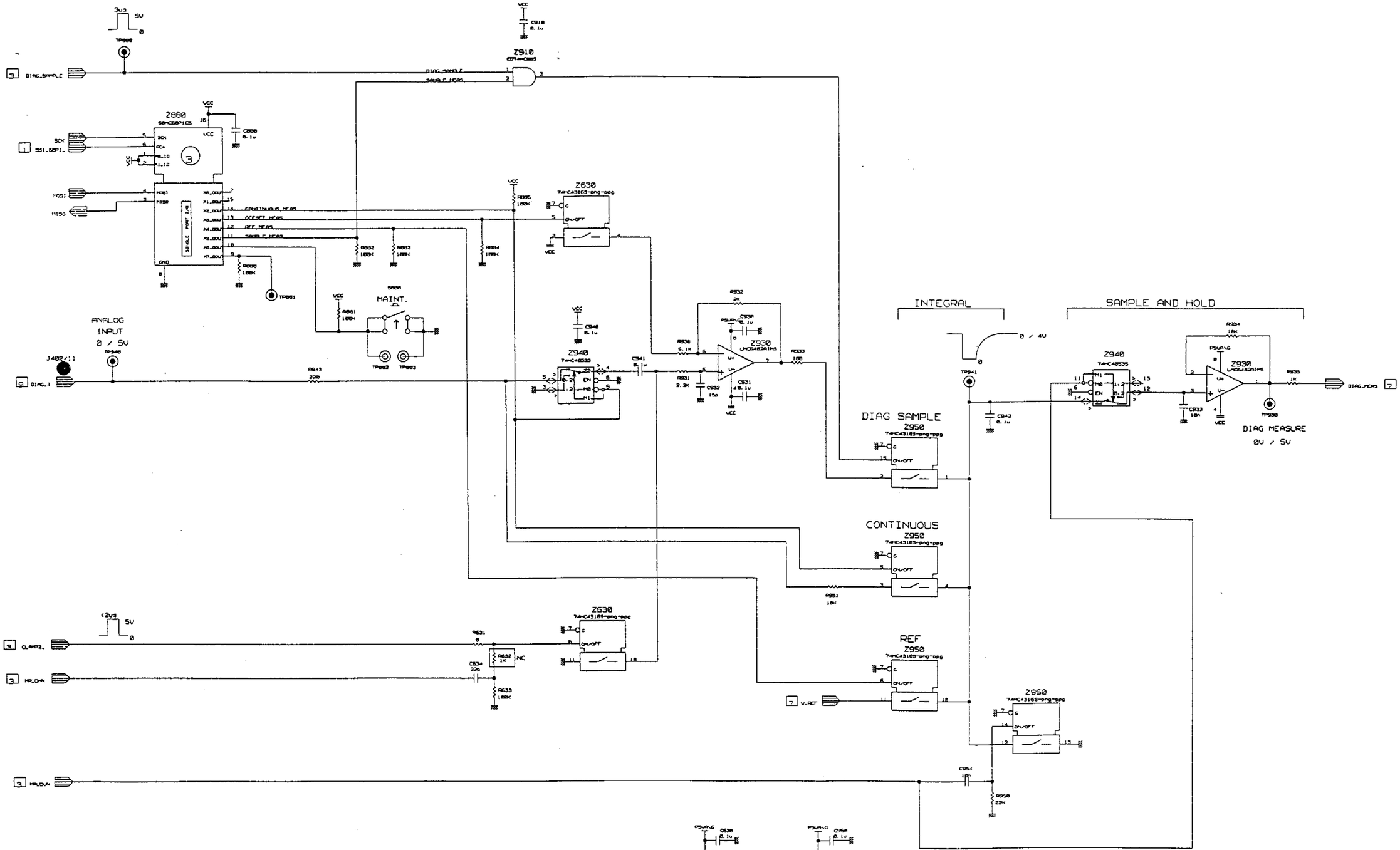
RESISTOR
±0.5% 1/16W

VCC = +5V_DIGIT

VEE = -5V

PROFIL VIDEO GENERATOR

						CAMERA
SD62 5/9	TITLE	MPU				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4C150403		030	05/09		


DIAG_SAMPLE
Z910
Z880
Z630
Z940
Z930
Z950
MAINT.
ANALOG INPUT 2 / 5V
J402/11
DIAG.I
INTEGRAL
SAMPLE AND HOLD
DIAG SAMPLE
CONTINUOUS
REF
0 / 4V
DIAG MEASURE
0V / 5V
DIAG_MEAS
CONTINUOUS_MEAS
OFFSET_MEAS
REF_MEAS
SAMPLE_MEAS
Q_MPY2
MPUDIN
MPUDIN
V_REF
VCC = DIGIT +5V
VEE = -5V
ANALOG MEASURE
CAMERA
SD62 6/9
MPU
THOMSON
4C150403
030
06/09

A/D CONV

TEMPERATURE

D/A CONV

IRIS

IRIS ZERO

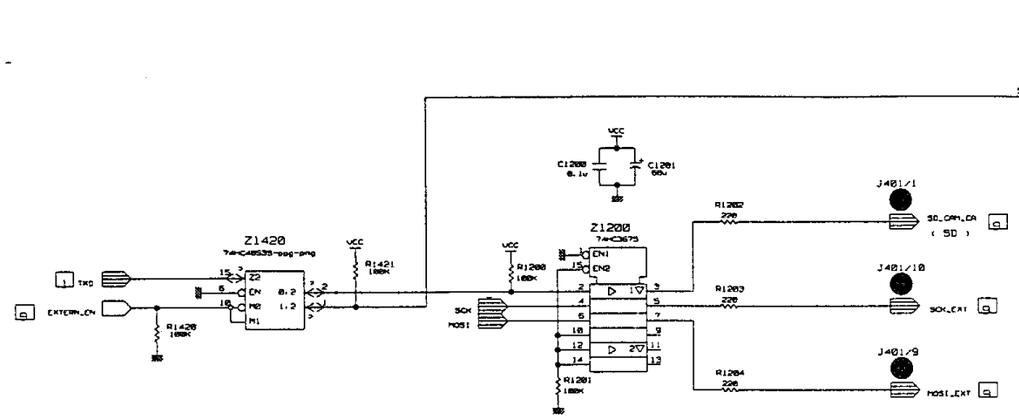
IRIS MAX

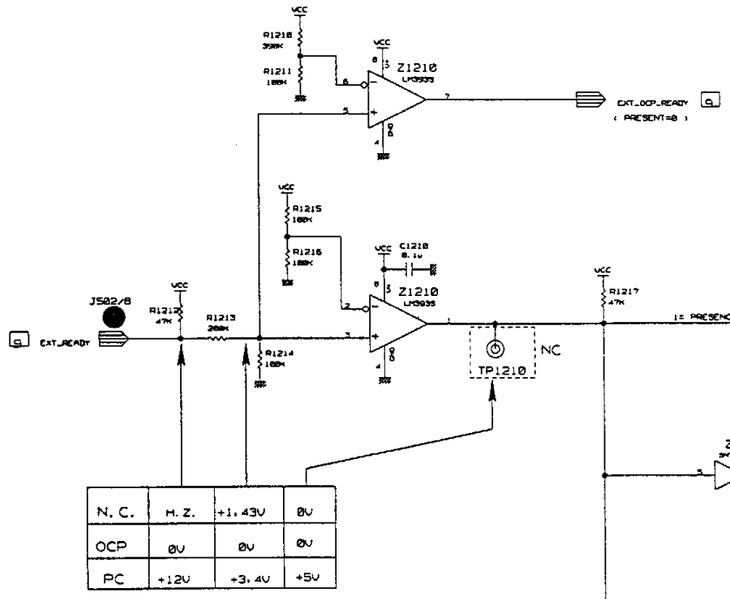
A/D , D/A CONV and IRIS

					CAMERA
SD62 7/9	TITLE: MPU				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4C150403		030	07/09	

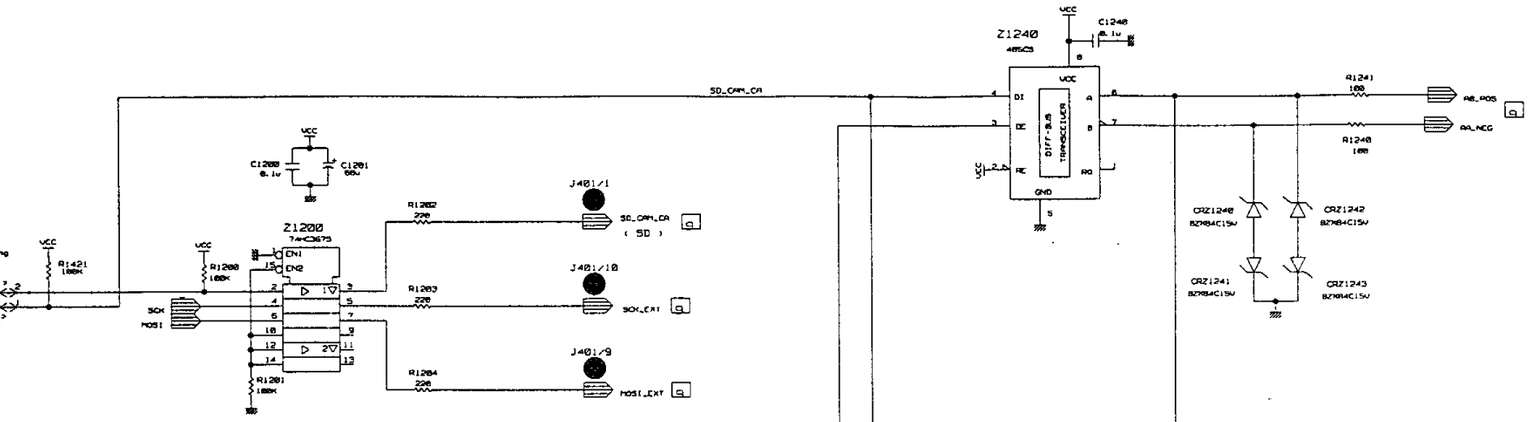
TRANSMITTER

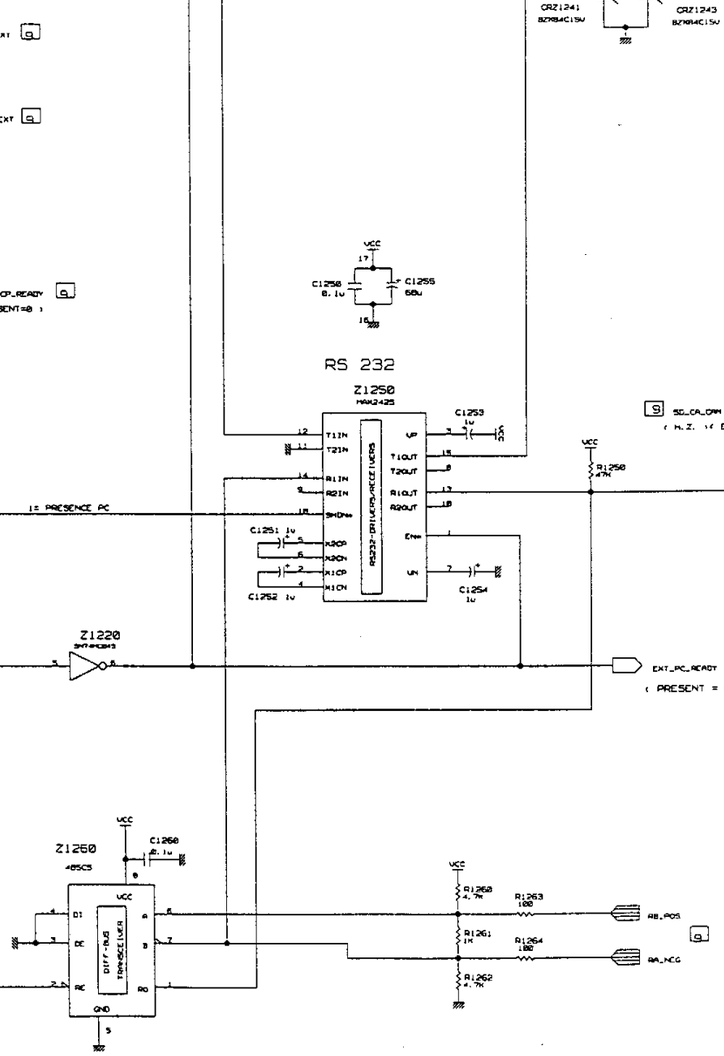
RS 422





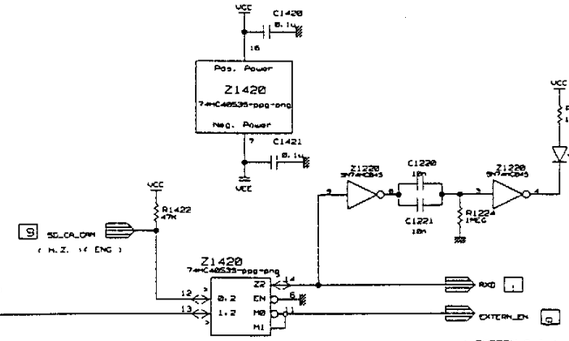
N. C.	H. Z.	+1.43V	0V
OCP	0V	0V	0V
PC	+12V	+3.4V	+5V





RECEIVER

RS 422



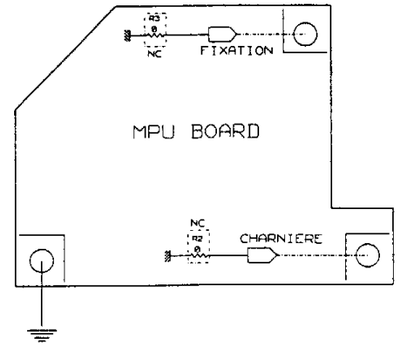
VCC = DIGIT +5V

VEE = -5V

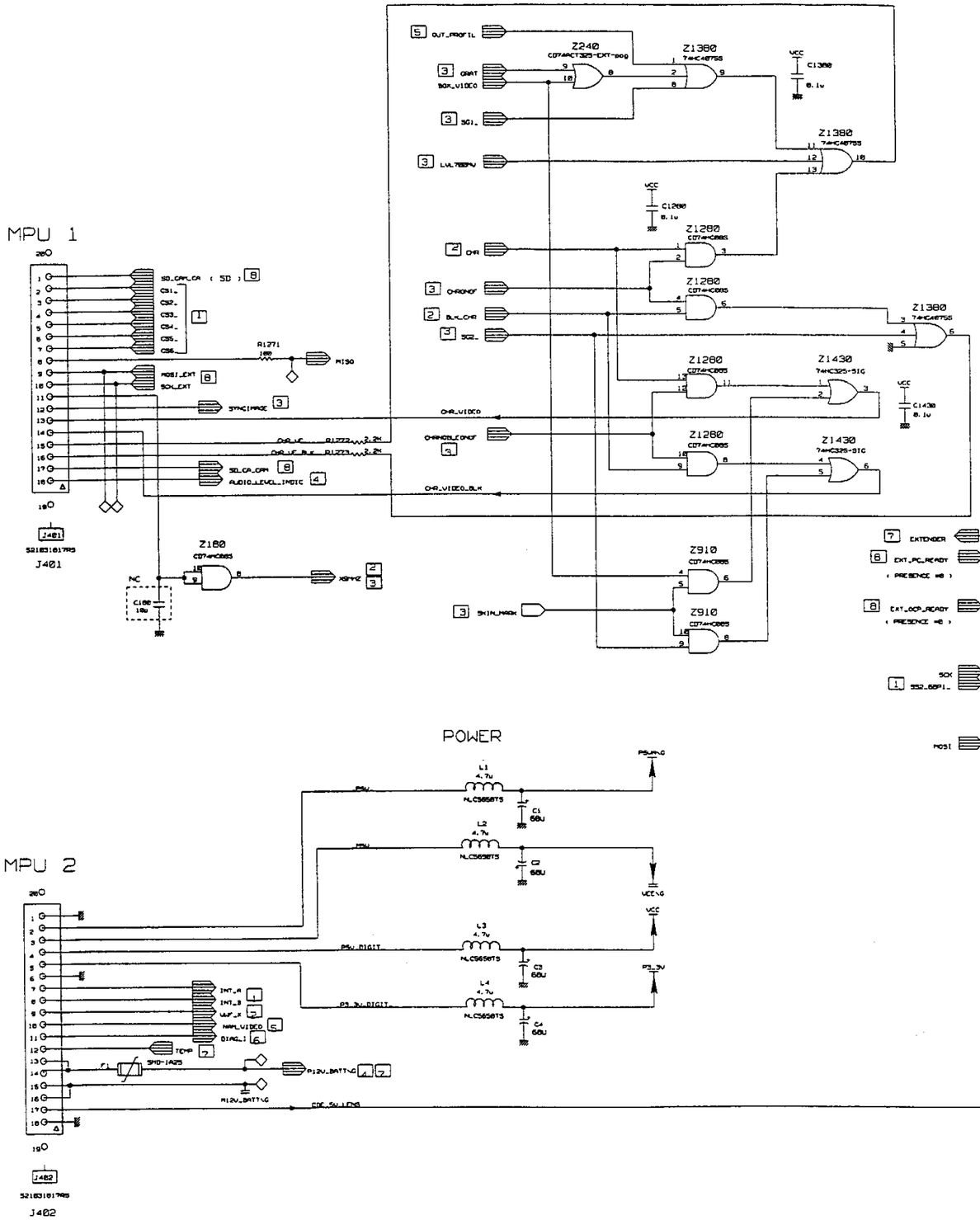
SERIAL LINK

						CAMERA
SD62 8/9	TITLE MPU					
	DRAWING NO	REV.	CODE	SHEET	BLOCK	
THOMSON	4C150403		030	08/09		

GROUNDING POSSIBILITIES



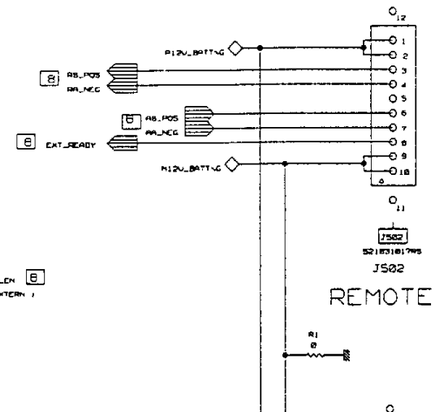
MPU 1



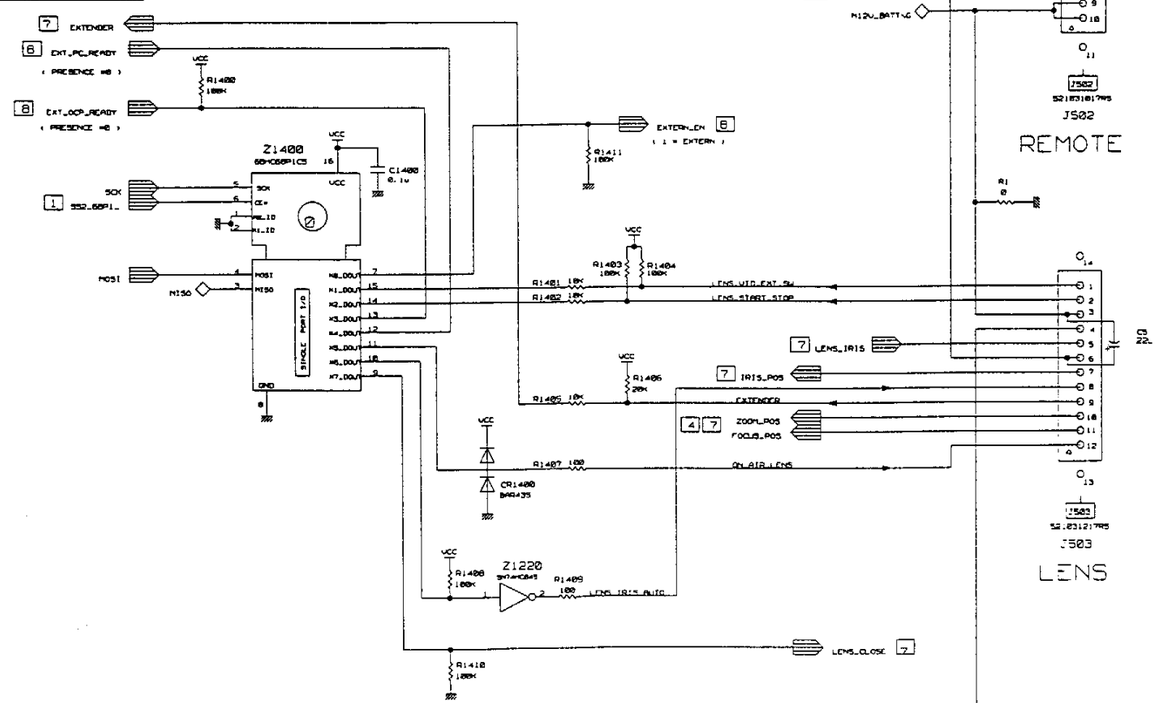
MPU 2

POWER

REMOTE



LENS



VCC = DIGIT +5V

VEE = -5V

OUTPUT

CAMERA					
SD62 9/9	TITLE: MPU				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4C150403		030	09/09	

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POWER SUPERVISOR

Z210 MAX695ESWE — MICROPROCESSOR SUPERVISORY CIRCUITS
BT210 3450S
R210 100K
C210 0.1u
C211 0.1u
MEAS_BATT [7]
CD74ACT32S-EXT Z190
CS_RAM_DEVICE

MPU

Z110 MC68302FEO-25 — L68AT UP
C109 68u; C110 0.1u; C111 0.1u; C112 0.1u; C113 0.1u
C114 33p; C115 33p; R110 0; R111 1MEG; Y110 8MHz
RESET — TP140 NC; TP141 NC; R140 0; R141 4.7K; R144 100K; Z140 74HC125S
ERASE — TP142 NC; TP143 NC; R149 10K
HALT — R142 1K; CRL140 RED; R143 100K
RST [2]
EXTAL; RESET; BUSW; DISCPU; FRZ; BG; BGACK; BR
CLKO; XTAL; TP112 NC; BERR; HALT; R120 4.7K
CS0/IOUTZ; CS1; CS2; CS3
ICS_ROM; ICS_RAM
RXD [8]; TXD [8]; TP113 NC TX_DIS
RXD1/L1RXD; CTS1/L1GR; CD1/L1SY1; RCLK1/L1CLK
TXD1/L1TXD; RTS1/L1RQ/GCIDCL; BRG1; TCLK1/L1SY0/SDS1
IACK7/PB0; IACK6/PB1; IACK1/PB2; TIN1/PB3; TOUT1/PB4; TIN2/PB5; TOUT2/PB6; WDOG/PB7; PB8; PB9; PB10; PB11
CD3/SPCLK; CTS3/SPRXD
IPL0/IRQ1; IPL1/IRQ6; IPL2/IRQ7; FC0; FC1; FC2; AVEC/IOUT0
RXD2/PA0; TXD2/PA1; RCLK2/PA2; TCLK2/PA3; CTS2/PA4; RTS2/PA5; CD2/PA6; BRG2/SDS2/PA7
RXD3/PA8; TXD3/PA9; RCLK3/PA10; TCLK3/PA11; BRG3/PA12; RTS3/SPTXD
DREQ/PA13; DACK/PA14; DONE/PA15
AS; R/W; UDS/A0; LDS/DS; DTACK; RMC/IOUT1; IAC; BCLR
R130 220; R131 220; R132 220; R133 220; R134 220; R135 220
CS1_; CS2_; CS3_; CS4_; CS5_; CS6_ [9]
RUN CRL110 GREEN; R121 1K
TP114 NC; TP115 NC; TP116 NC; TP117 NC; TP118 NC; TP119 NC
R122 100K; R123 100K; TP120 NC; TP122 NC; TP121 NC; TP123 NC
MOSI_ENABLE
R124 100K; R125 100K; R126 100K; R127 2.2K; R128 4.7K
R/W; !UDS; !LDS
J402/8; J402/7; INT_B [9]; INT_A [9]
R152 100K; R153 100K; R156 220; R157 220; 3.3V 0
MPUDVN [3]
SCK; MISO; R114 47K; R115 0; R129 0
TP110 NC ABORT; TP111 NC; R118 4.7K; R116 4.7K; R117 4.7K
ADR_(1:18); A1; A2; A3; A4; A5; A6; A7; A8; A9; A10; A11; A12; A13; A14; A15; A16; A17; A18; A19; A20; A21; A22; A23
ADR_(18:1)
DATA_(15:0); D0; D1; D2; D3; D4; D5; D6; D7; D8; D9; D10; D11; D12; D13; D14; D15

CS						
6	5	4	3	2	1	
1	1	1	1	1	1	adr 03F : ss adr OFF
1	1	x	x	x	x	adr 03X : int access
1	0	x	x	x	x	adr 02X : ext access
0	1	x	x	x	x	adr 01X : ext access
0	0	x	x	x	x	not used

SPI SLAVE DECODING

Z180 CD74HC08S; R180 100K; R181 100K
Z170 CD74HC138S DMUX; Y0; Y1; Y2; Y3; Y4; Y5; Y6; Y7; G1; G2A; G2B; A; B; C
SS_GENE_CHR [2]; SSI_68PI_ [3] [6]; SS2_68PI_ [8]; SS_CONV_DA [7]; SS_BOX [3]
R170 100K; R171 100K; R172 100K; C171 4.7nF; C170 0.1u
Z150 SN74HC04S
SS_CONV_AD [7]
Z250 EEP93C86S — EEPROM 8X8/16X16; CS; SK; ORG; DI; TEST; DO
C250 0.1u
SCK; MOSI; MISO

PROM

Z100 27C4096L-120+SUPS — EPROM 256KX16
VPP; CE/PGM; E
C100 0.1u
R100 47K; R101 0; ADR_(18)
ADR_(1:18); A0; A1; A2; A3; A4; A5; A6; A7; A8; A9; A10; A11; A12; A13; A14; A15; A16; A17
DO0; DO1; DO2; DO3; DO4; DO5; DO6; DO7; DO8; DO9; DO10; DO11; DO12; DO13; DO14; DO15
DATA_(15:0); DATA_(0); DATA_(1); DATA_(2); DATA_(3); DATA_(4); DATA_(5); DATA_(6); DATA_(7); DATA_(8); DATA_(9); DATA_(10); DATA_(11); DATA_(12); DATA_(13); DATA_(14); DATA_(15)

RAM

(3.2V) V_BATT
C220 0.1u; C221 4.7u
C230 0.1u; C231 4.7u
Z220 MM62256LFPS-10T 28 — SRAM 32Kx8 — L
Z230 MM62256LFPS-10T 28 — SRAM 32Kx8 — U
!WRITE; !READ; R/W; CE; OE
ADR_(1:15); DATA_(0:7); DATA_(8:15)
ADR_(18:1); DATA_(15:0)

Z200 CD74ACT00S-EXT — LDS - UDS; !READ
Z240 CD74ACT32S-EXT — !UWRITE; !LWRITE
Z180 CD74HC08S; R184 0; MOSI

MISO; SCK; TP125 NC; TP126 NC; TP124 NC; TP127 NC
MOSI MISO SCK GND

MPUDVN [3]; R250 10K; R251 22K; MPUDHN [3]
TP6 SYNCHRO SCOPE

GND; TP1; TP2; TP3; TP4

VCC = DIGIT +5V
VEE = -5V

MPU BLOC
CAMERA
SD62N 1/9
TITLE: MPU (N)
THOMSON
DRAWING NO 47033347 | REV | CODE 030 | SHEET 01/09 | BLOCK

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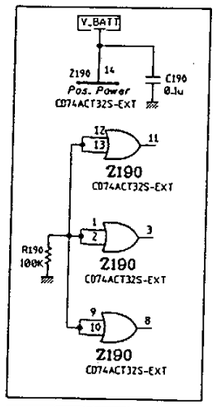
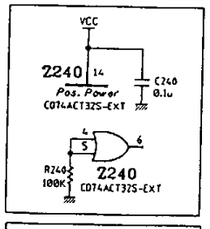
VCC = +5V_DIGIT

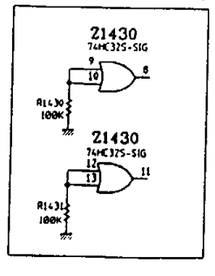
VEE = -5V

FREE

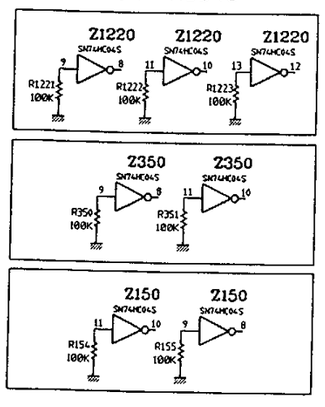
CD74ACT32S-EXT



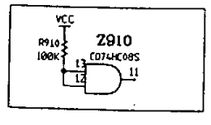




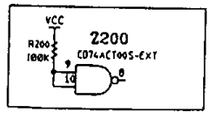
SN74HC04S



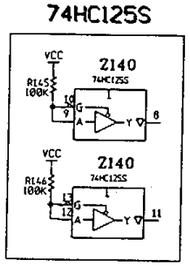
CD74HC08S



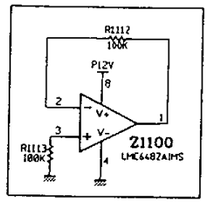
CD74ACT00S-EXT



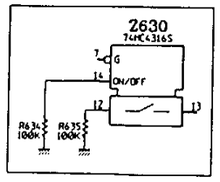
74HC125S



LMC6482AIMS

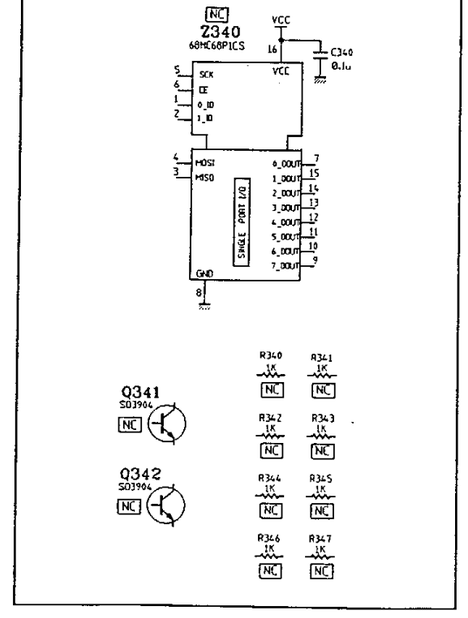


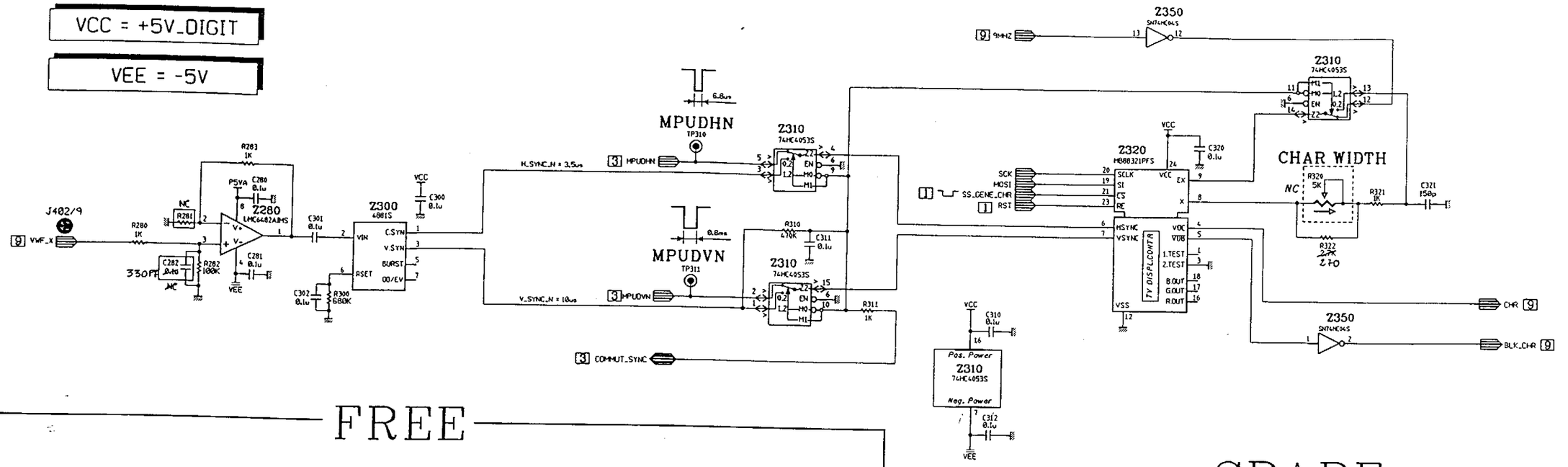
74HC4316S



74HC4053S

SPARE





SYNCHRO EXTRACTION

						CAMERA
SD62N 2/9	TITLE: MPU (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033347		030	02/09		

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Z400
68HC68P1CS
SCK
CE
0_IO
1_IO
MOSI
MISO
SINGLE PORT I/O
GND
0_DOUT
1_DOUT
2_DOUT
3_DOUT
4_DOUT
5_DOUT
6_DOUT
7_DOUT
C400 0.1u
CHRONOF [9]
CHRONOF
CRXONOF
TESTONOF
CHXFORMAT
FORMABAR
GRATONOF
PROFILONOF
SKIN_MARK [9]
SKIN_MARK
R400 R401 R402 R403 R404 R405 R406 R407
8 x 100K

Z410
68HC68P1CS
C410 0.1u
SCK
SSI_68P1_ [1]
MOSI
MISO
BOXONOF
MARK_FOCUS_AUDIO
MARK_ZOOM_BATT
INDIC_INT_EXT
INDIC_L_C
FENHONOF
FENBONOF
CHRNOBL_EONOF [9]
R410 R411 R412 R413 R414 R415 R416 R417
8 x 100K

Z420
68HC68P1CS
C420 0.1u
COMMUT_SYNC [2]
BIT(0)
BIT(1)
BIT(2)
BIT(3)
R420 R421 R422 R423 R424 R425 R426 R427
8 x 100K
NC

J460
NC
EXT
R460 1K

Z450
EPC1213LC-20+SUPS
C450 0.1u
R450 10K
R451 10K
R452 10K
R453 10K
VPP
VCC
DCLK
OE
NCS
NCASC
DATA
GND
NC J450
NC J451
NC J452
NC J453
NC J454
PROGRAMMATION EXT

PHASE VIDEO

C461 6.8u
C462 6.8u
C463 6.8u
C460 6.8u
C464 68u
C461 0.1u
C462 0.1u
C463 0.1u
C460 0.1u
Pos. Power
Pos. Power
Pos. Power
Pos. Power
21
80
121
160
Z460
EPF8452_160D-6

Z460
EPF8452_160D-6
PQFP
D_CLK
TP460 NC
TP461 NC
INDIC_COMP [4]
N_CONFIG
CONFIG_DONE
N_STATUS
R461 0
R462 0
MSP
MSEL1
MSEL0
9MHZ [9]
SCK
MOSI
TP463 NC
DATA
BOX_VIDEO [9]
HPUDVN [1] [2] [6]
MARK_SELECT_1_ [4]
BIT(0)
BIT(1)
BIT(2)
BIT(3)
WIN_PROFIL [5]
SKIN_MARK
RAZIMAGE
TP464 NC
LVL700MV [9]
MARK_FOCUS_AUDIO
CHXFORMAT
PLS_HI [4]
SG2_ [9]
INDIC_INT_EXT
SG1_ [9]
FENBONOF
FENHONOF
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IO_CLKUSR
IO_CS
IO_NCS
IO_NWS
IO_NRS
NCONFIG
CONF_DONE
NSTATUS
DIO
DI1
DI2
DI3
IO_DATA0
IO_DATA1
IO_DATA2
IO_DATA3
IO_DATA4
IO_DATA5
IO_DATA6
IO_DATA7
IO_MC0
IO_MC1
IO_MC2
IO_MC3
IO_MC4
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IO_MC6
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IO_MC40
IO_ROCLK
IO_SDOUT
IO_A000
IO_A001
IO_A002
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IO_A004
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IO_A007
IO_A008
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IO_A0010
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IO_A0012
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IO_A0014
IO_A0015
IO_A0016
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IO_RDYNBUSY
IO_MC41
IO_MC42
IO_MC43
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IO_MC79
IO_MC80
IO_MC81
NC TP465
NC TP466
NC TP467
NC TP468
FORMABAR
NC TP469
TP470
GRATONOF
MARK_ZOOM_BATT
NC TP472
PROFILONOF
NC TP476
CRXONOF
NC TP477
NC TP478
NC TP479
BOXONOF
NC TP474
NC TP475
INDIC_L_C
TESTONDF
SYNCIMAGE [9]
Y2_BAR [5]
3Mhz
GRAT [9]
L_C [4]
MARK_SELECT_0_ [4]
C1_ [4]
C2_ [4]
CLAMP2_ [6]
DIAG_SAMPLE [6]
HPUDH [5]
HPUDHN [1] [2] [6]
CLPROFIL [5]
PLS_LO [6]
RAZDET [5]
SS_BOX

Z180
CD74HC08S

VCC = DIGIT +5V
VEE = -5V

SIGNAL GENERATOR

SD62 3/9	CAMERA TITLE MPU (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4B150403		030	03/09		

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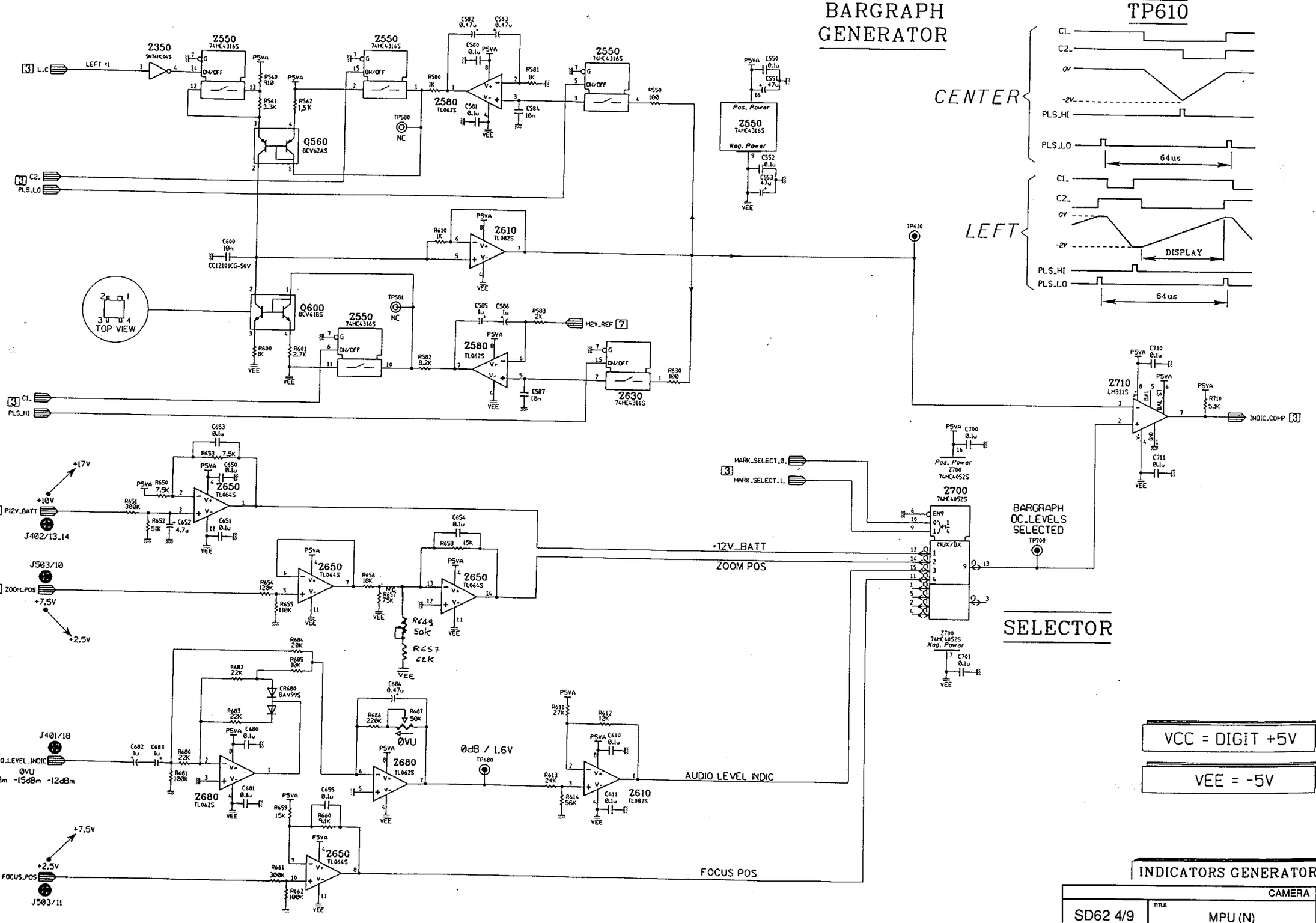
BARGRAPH GENERATOR

TP610



SELECTOR

VCC = DIGIT +5V

VEE = -5V

INDICATORS GENERATOR

						CAMERA
SD62 4/9	TITLE MPU (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET		BLOCK
	4B150403		030	04/09		

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P5VA C780 0.1u C781 47u 16 Pos. Power Z780 74HC4316S Neg. Power 9 C782 0.1u C783 47u VEE

P5VA R820 1.1K R821 1.2K Q820 BCV62AS R822 3,3K

5us DHN 3.8V 0 TP830 42us 22us

[3] Y2.BAR 42us 22us

Z780 74HC4316S G ON/OFF

C784 10n CC1210ICG-50V

C762 15p R761 4,5k PROFIL LVL P761 5k

P5VA C760 0.1u R760 3K J402/10 0.7V 0 [9] NAM_VIDEO Z760 TL082S C761 0.1u VEE

P5VA C830 0.1u Z830 LM311S BAL BAL_ST GND C831 0.1u VEE

VCC R830 5.1K C832 220p R831 2.4K CR830 BAS16 Z350 SN74HC04S [9] OUT_PROFIL

C763 0.1u P5VA R762 15K R763 3.9K Z760 TL082S C764 1u C765 1u VEE

Z780 74HC4316S G ON/OFF

R792 100

3.2V 0 TP780

P5VA R809 27K

Z780 74HC4316S G ON/OFF R781 20K C785 1n CC0805ICG-50V

64us [3] CLPROFIL

P5VA R790 2K RR0603D Q790 BCV62AS R791 4.32K RR0603D

Q800 BCV62AS C800 390p

Z780 74HC4316S G ON/OFF R780 10K VEE

5us [3] RAZDET

[3] MPUDH

R832 1K [3] WIN_PROFIL

RESISTOR ±0,5% 1/16W

VCC = +5V_DIGIT

VEE = -5V

PROFIL VIDEO GENERATOR

SD62N 5/9	TITLE: MPU (N)					CAMERA
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033347		030	05/09		

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3us 5V 0

TP880

[3] DIAG_SAMPLE

VCC

C910 0.1u

Z910 C074HC08S

DIAG_SAMPLE

SAMPLE_MEAS

Z880 68HC68P1CS

C880 0.1u

SCK

SSI_68P1_

MOSI

MISO

SINGLE PORT I/O

CONTINUOUS_MEAS

OFFSET_MEAS

REF_MEAS

SAMPLE_MEAS

GND

R880 100K

TP881

R881 100K

R882 100K

R883 100K

R884 100K

R885 100K

Z630 74HC4316S

ON/OFF

VEE

S880 MAINT.

TP882

TP883

ANALOG INPUT 0 / 5V

J402/11

TP940

[9] DIAG_I

R963 220

Z940 74HC4053S

C940 0.1u

C941 0.1u

R930 5.1K

R931 2.2K

C932 15p

R932 2K

C930 0.1u

Z930 LMC6482AIMS

C931 0.1u

R933 100

INTEGRAL

SAMPLE AND HOLD

0 / 4V

TP941

DIAG SAMPLE

Z950 74HC4316S

C942 0.1u

R934 10K

R935 1K

DIAG_MEAS [7]

TP930

DIAG MEASURE 0V / 5V

CONTINUOUS

Z950 74HC4316S

R951 10K

REF

Z950 74HC4316S

[7] V_REF

Z950 74HC4316S

C954 10n

R950 22K

12us 5V 0

[3] CLAMP2_

[3] MPUDHN

[3] MPUDVN

R631 0

R632 1K NC

C634 22p

R633 100K

Z630 74HC4316S

PSVA

Pos. Power

Neg. Power

C630 0.1u

C631 0.1u

C950 0.1u

C951 0.1u

VCC = DIGIT +5V

VEE = -5V

ANALOG MEASURE

CAMERA

SD62N 6/9	TITLE MPU (N)					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	47033347		030	06/09		

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A/D CONV

TEMPERATURE

D/A CONV

IRIS

IRIS ZERO

IRIS MAX

SCK
MOSI
SS_CONV_AD
IRIS_POS
ZOOM_POS
FOCUS_POS
DIAG_MEAS
MEAS_BATT
EXTENDER
MISO
TEMP
J402/12
M2V_REF
V_REF = 2,048V
V_REF
SS_CONV_DA
LENS_CLOSE
P12V_BATT
LENS_IRIS
J503/5
0 / 2,048V
0 / -2,048V
2,5V → 7,5V
7,5V → 2,5V
40mV / °C → 1V / 25°C
10mV / °C
2,2 / 7,6V ± 0,1V
G= 2,67
G= 3,67
G=1

Z1000 68HC68A2CS
Z1030 350S
Z1040 LMC6482AIMS
Z1060 MAX5045
Z1070 74HC4053S
Z1080 LMC6482AIMS
Z1100 LMC6482AIMS
Z2280 LMC6482AIMS
Q1440 2N7002S
Convertisseur A/D
Serial 10BIT DAC
Pos. Power
Neg. Power

RESISTOR ±0,5% 1/16W

VCC = DIGIT +5V

VEE = -5V

A/D , D/A CONV and IRIS

						CAMERA
SD62N 7/9		TITLE	MPU (N)			
THOMSON		DRAWING NO	REV	CODE	SHEET	BLOCK
		47033347		030	07/09	

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TRANSMITTER
RS 422

Z1240 485CS — C1240 0.1u — SD_CAM_CA — DIFF-BUS TRANSCEIVER — R1241 100 — AB_POS — R1240 100 — AA_NEG

CRZ1240 BZX84C15V — CRZ1242 BZX84C15V — CRZ1241 BZX84C15V — CRZ1243 BZX84C15V

Z1420 74HC4053S — TXD — EXTERN_EN — R1420 100K — R1421 100K

Z1200 74HC367S — C1200 0.1u — C1201 68u — R1200 100K — R1201 100K — SCK — MOSI

R1202 220 — J401/1 — SD_CAM_CA (SD) [9]

R1203 100 — J401/10 — SCK_EXT [9]

R1204 220 — J401/9 — MOSI_EXT [9]

Z1210 LM393S — R1210 390K — R1211 100K — EXT_OCP_READY [9] (PRESENT=0)

R1215 100K — R1216 100K — C1210 0.1u — Z1210 LM393S — J502/8 — EXT_READY [9] — R1212 47K — R1213 200K — R1214 100K — TP1210 NC — R1217 47K — I= PRESENCE PC

N.C.	H.Z.	+1.43V	0V
OCP	0V	0V	0V
PC	+12V	+3.4V	+5V

C1250 0.1u — C1255 68u

RS 232

Z1250 MAX242S — C1253 1u — C1251 1u — C1252 1u — C1254 1u — RS232-DRIVERS/RECEIVERS

Z1220 SN74HC04S — EXT_PC_READY [9] (PRESENT = 0)

Z1260 485CS — C1260 0.1u — DIFF-BUS TRANSCEIVER — R1260 4.7K — R1261 1K — R1262 4.7K — R1263 100 — R1264 100 — RB_POS — RA_NEG [9]

R1250 47K

Pos. Power — Z1420 74HC4053S — Neg. Power — C1420 0.1u — C1421 0.1u

SD_CA_CAM [9] (H.Z. if ENG) — R1422 47K — Z1420 74HC4053S — RXD [1] — EXTERN_EN [9] (EXTERN = [ ])

C1220 10n — C1221 10n — R1224 1MEG — Z1220 SN74HC04S — R1220 1K — CRL1220 GREEN — RXD

RECEIVER
RS 422

VCC = DIGIT +5V

VEE = -5V

SERIAL LINK

						CAMERA
SD62N 8/9	TITLE	MPU (N)				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033347		030	08/09		

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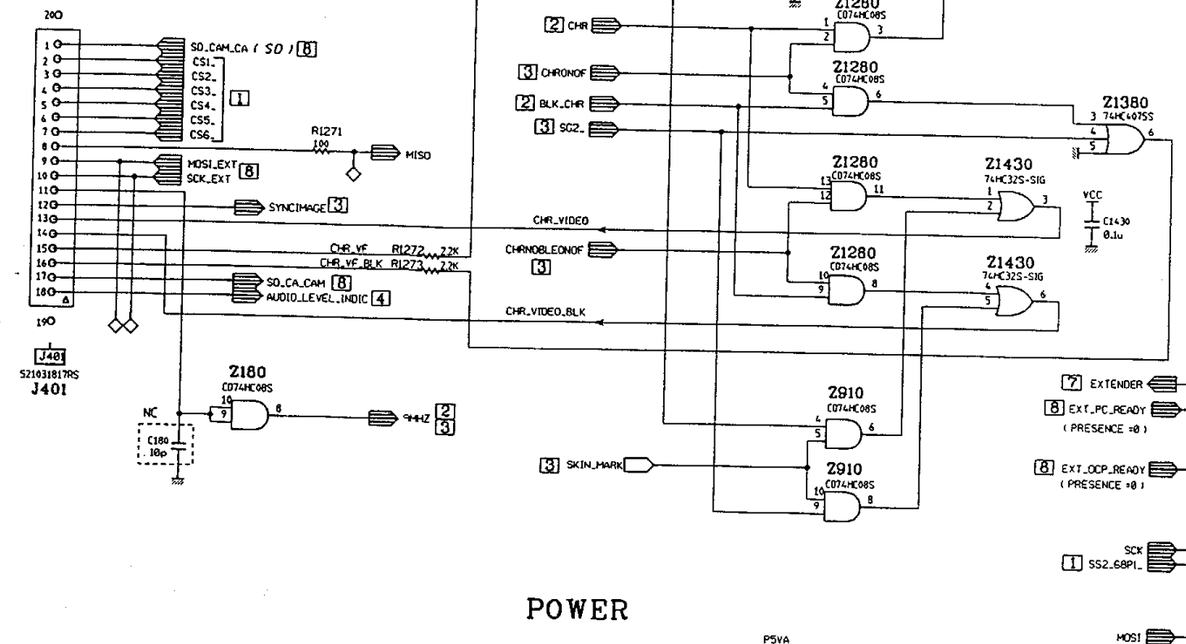
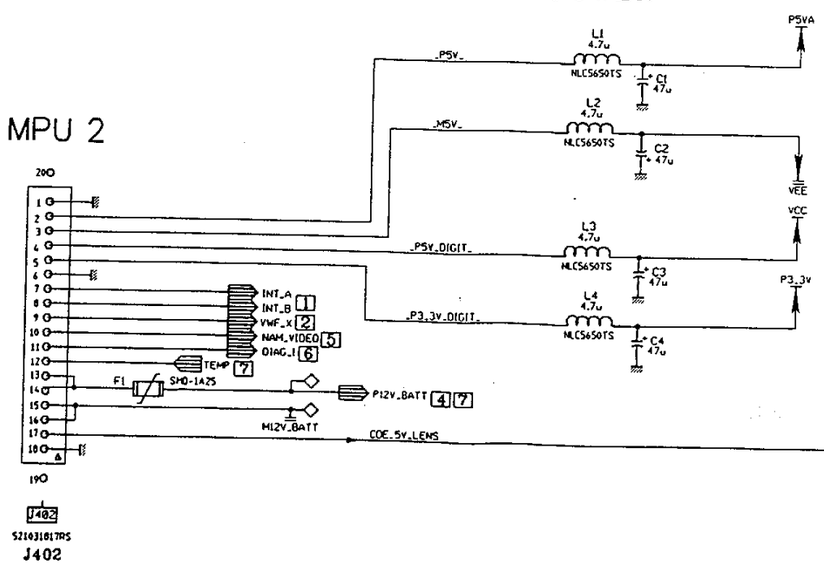
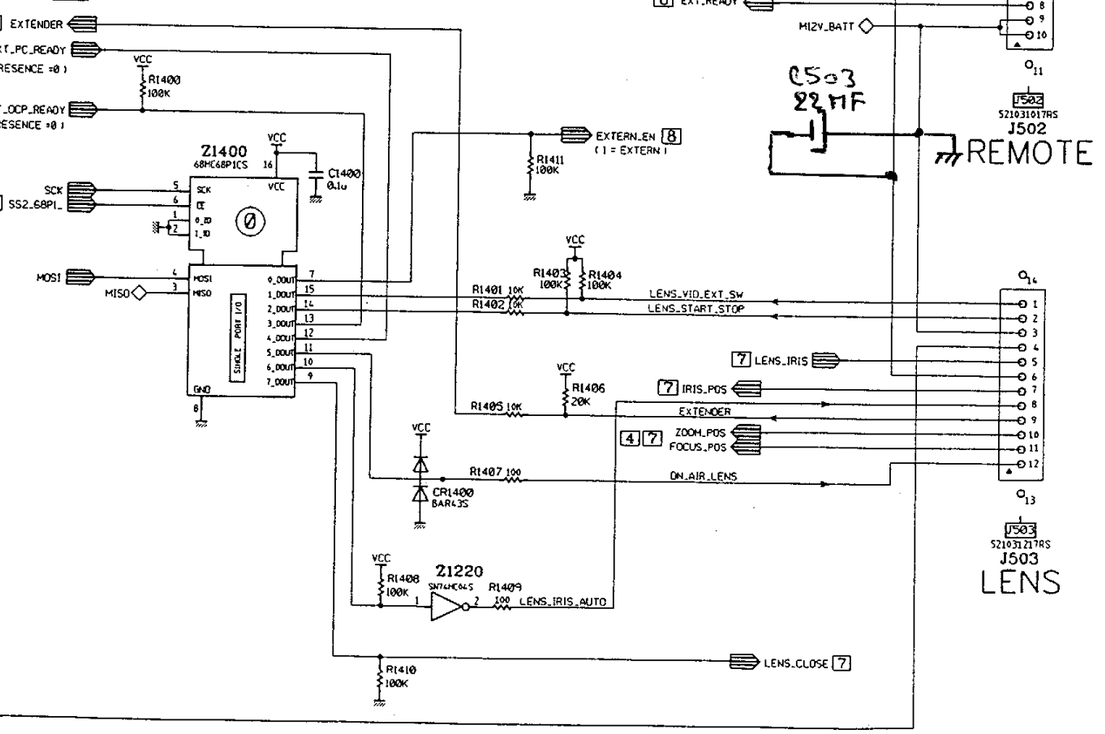
MPU 1



POWER



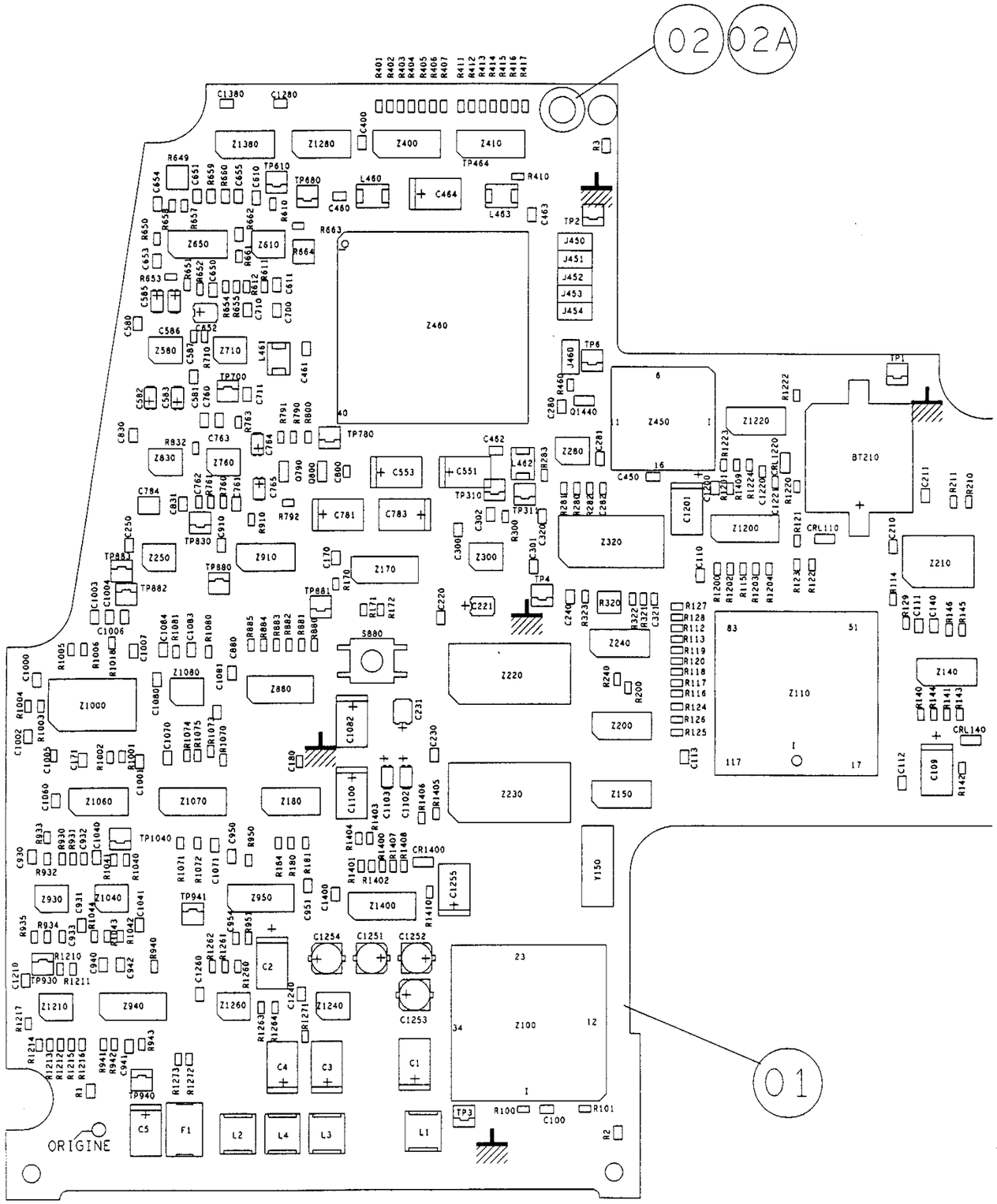


VCC = DIGIT +5V

VEE = -5V

OUTPUT

					CAMERA
SD62N 9/9	TITLE: MPU (N)				
THOMSON	DRAWING NO: 47033347	REV	CODE: 030	SHEET: 09/09	BLOCK


02
02A
01
ORIGINE
Z460
Z1380
Z1280
Z400
Z410
Z650
Z610
Z580
Z710
Z830
Z760
Z250
Z910
Z170
Z300
Z320
Z880
Z1080
Z1000
Z220
Z240
Z200
Z230
Z150
Z180
Z1060
Z1070
Z930
Z1040
Z950
Z1400
Z940
Z1210
Z1260
Z1240
Z100
Z110
Z1220
Z1200
Z210
Z140
Z450
Z280
BT210
Y150
J450
J451
J452
J453
J454
J460
L460
L463
L461
L462
C464
C460
C463
C553
C551
C781
C783
C1254
C1251
C1252
C1253
C1255
C1400
C1100
C1082
C2
C4
C3
C1
C5
F1
L2
L4
L3
L1
TP610
TP680
TP464
TP700
TP780
TP310
TP31
TP830
TP880
TP881
TP882
TP884
TP4
TP2
TP6
TP1
TP1040
TP941
TP930
TP940
TP3
S880
CR1400
Q1440
R3
R663
R649
R410
R1222
R1223
R1224
R1409
R1220
R1221
R121
R122
R123
R1200
R1202
R115
R1203
R1204
R127
R128
R112
R113
R119
R120
R118
R117
R116
R124
R126
R125
R240
R200
R320
R323
R322
R321
R1400
R1401
R1402
R1403
R1404
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R1260
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R1272
R1210
R1211
R1217
R1214
R1213
R1212
R1215
R1216
R941
R942
R943
R1
R100
R101
R2
R1000
R1001
R1002
R1003
R1004
R1005
R1006
R1016
R1080
R1081
R1083
R1084
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R1300
R1301
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R1303
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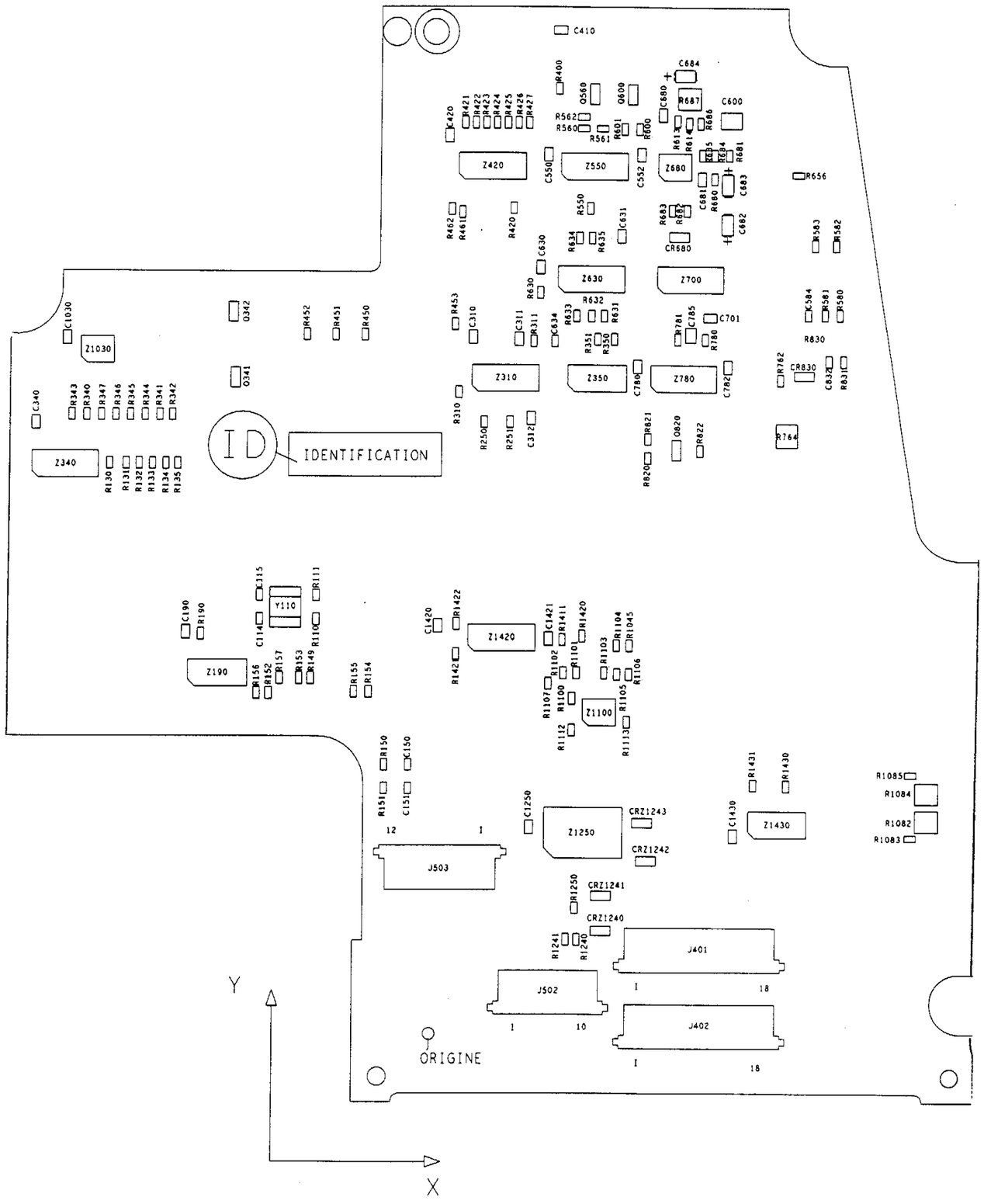
R1307
R1308
R1309
R1310



						CAMERA
LD62 2/2	TITLE: MPU					
THOMSON	DRAWING NO: 4C150403	REV:	CODE: 046	SHEET: 02/02	BLOCK:	

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WHITE SHADING CORRECTION

WHITE_SHAD_ON/OFF
5/5

DV
B18

DHD
A17

TP1 +5V Ø

TP2 +1.3V (+-10%) Ø

TP3 10µs +5V Ø

TP4 +5V Ø

TP5 (+-10%) +1.2V Ø

TP6 =ØV 1.37V TEST/ 2.3.4.5/5

TP7 TP8

TP9 1.2ms +5V Ø

TEST
B12
TEST=ON/OFF

5/5

Z100 74HC4538S — 0.7ms

Z100 74HC4538S — 100µS

Z120 OP062S

Z110 74HC4053S

Z250 DAC8840S

SCK
SSI.1
MOSI
5/5

FLARE_OUT_R 2/5
FLARE_OUT_G 3/5
FLARE_OUT_B 4/5
SAWTOOTH_V_W_R 2/5
SAWTOOTH_V_W_G 3/5
SAWTOOTH_V_W_B 4/5
FLARE_IN_R 2/5
FLARE_IN_G 3/5
FLARE_IN_B 4/5

Z260 DAC8840S

SAWTOOTH_H_W_R 2/5
SAWTOOTH_H_W_G 3/5
SAWTOOTH_H_W_B 4/5

ΦCORR H

Z160 74HC4538S — 1µs ⟶ <8µs

Z160 74HC4538S — 2µs

DH_MIX/ 2/5 3/5 4/5

PRECLEANER

Z180 74HC4538S — 1.4ms

6251 = 1.2ms

5251 = 1ms

0.8V +0.5V

Z1410 5415

R200 15kΩ

C201 6.8pF

LPF 1MHz

R210 1.6K R211 110

Z210 OP405S

TEST/ 2.3.4.5/5

Z100 74HC4538S ×3

Z160 74HC4538S ×3

Z180 74HC4538S ×3

RC3715 0.25% 1/4W

					CAMERA
SD63 1/5	TITLE: ANALOG PROCESS				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4A150400		030	01/05	

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CLAMP

A16 ●

CLP_1 → 3/5 4/5

LPF 10MHz (-3dB)

A6 ● RED

BLACK SHADING CORRECTION

TEMP → 3/5 4/5

BLACK_SHAD_R

5/5 BLACK_PULSE_R

LEVEL CORR TP10

TP11

TEST/ 1/5

OH_MIX/

V_REF 3/5

BLK 5/5

FLARE_IN_R 1/5

FLARE CORRECTION

R399 0Ω

TRANSFERT 3/5

RESET

FLARE_OUT_P 1/5

CLEANER

TP12

WHITE SHADING CORRECTION

A10 ●

1/5 { CORR_R / SAWTOOTH_H_W_R / SAWTOOTH_V_W_R

WHITE_SHADING 3/5

WHITE SHADING -ON

WHITE SHADING -OFF

GAIN CTRL

TP13

V_CLIP_X 3/5

OFFSET (±25mV)

BANDWIDTH ADJUST

PRE_KNEE CLIPPER

TP14

PRE_KNEE_RGB 5/5 — PRE-KNEE

PRE_CLIP_RGB 5/5 — PRE-CLIP

CLAMP

B6 ●

RED_2

RED_1

FREE

GAIN

R36 5K FRONT SIDE

PRESET -0.5V TP18

R_WHITE_BAL 5/5

GAIN_BONDS_RGB 5/5

MAN_R_LEVEL 5/5

0.75V TP16 3/5 4/5

R

RGB1 5/5

RGB2 5/5

RGB3 5/5

TEST_R → o1_J102

B16 ● CLP_2 3/5 4/5

	CAMERA				
SD63 2/5	TITLE: ANALOG PROCESS				
THOMSON	DRAWING NO: 4A150400	REV	CODE: 030	SHEET: 02/05	BLOCK

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CLAMP

WHITE SHADING CORRECTION

BLACK SHADING CORRECTION

FLARE CORRECTION

CLEANER

GAIN CTRL

PRE_KNEE CLIPPER

FREE

G

LPF 10MHz (-3dB)

BANDWIDTH ADJUST

OFFSET (2.5mV)

CLIP -1.4V(+9dB)

SD63 3/5	TITLE: ANALOG PROCESS		CAMERA
THOMSON	DRAWING NO: 4A150400	REV	CODE 030 / SHEET 03/05 / BLOCK

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CLAMP

LPF 10MHz (-3dB)

BLACK SHADING CORRECTION

CLEANER

WHITE SHADING CORRECTION

GAIN CTRL

FREE

PRE_KNEE CLIPPER

FLARE CORRECTION

B

					CAMERA
SD63 4/5	TITLE: ANALOG PROCESS				
THOMSON	DRAWNING NO: 4A150400	REV	CODE: 030	SHEET: 04/05	BLOCK

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P101

J102

TEST_R 2/5
TEST_G 3/5
TEST_B 4/5

+9V
+5V
-5V

GREEN ↔ GREEN_2
RED ↔ RED_2
BLUE ↔ BLUE_2

CORR_G ↔ BLACK_SHAD_G_IN
CORR_R ↔ BLACK_SHAD_R_IN
CORR_B ↔ BLACK_SHAD_B_IN
TEMP ↔ TEST
CSA ↔ DIAG

NC. if BLK is distributed by intereo.

DH_MIX/ 1/5
R5000 100
BLK 2.3.4/5
C5000 39PF
NC
R5001 10K
R5002 10K
NC

CLP_1 ↔ CLP_2
DHD ↔ CLP_V
DV

MISO ↔ MOSI
SCK ↔ SS2_1
SS0_1 ↔ SSI_1

+5V_DIGITAL

GAIN_BONDS_RGB

GAIN

0.89	-3dB
1.28	0dB
1.66	+3dB
2.05	+6dB
2.421	+9dB
2.81	+12dB
3.20	+15dB
3.57	+18dB
3.96	+21dB

D/A CONVERT

3/5 (- 5V) D_A_CONVERT

A21 SCK
A22 SS0_1

Z3000 DAC8834IS
R-2R 8 BIT D/A CONVERTER
+5VD C3000 0.1MF

GAIN_BONDS_RGB 2.3.4/5
R_WHITE_BAL 2/5
B_WHITE_BAL 4/5
BLACK_PULSE_R 2/5
BLACK_PULSE_G 3/5
BLACK_PULSE_B 4/5
MAN_R_LEVEL 2/5
MAN_B_LEVEL 4/5

B21 SS2_1
B20 MOSI
A20 MISO

Z3010 68HC68P1CS
+5VD C3010 0.1MF
SINGLE PORT I/O

WHITE_SHAD_ON/OFF 1/5
TEST=ON/OFF 1/5
RGB1
RGB2
RGB3
} 2.3.4/5

A13 CSA
3/5 GREEN_1
2/5 RED_1
4/5 BLUE_1
1/5 TEST/

Z4020 74HC40515
ANAL_MULTIPLEXEUR
R4020 1K
DIAG B13

PRE_KNEE
C3052 1NF
R3052 200K
Z3050 OP6482AIS
+5VA C3050 0.1MF
R3050 100K
R3051 1M
-5VA C3051 0.1MF
PRE_KNEE_RGB 2.3.4/5

PRE_CLIP
C3053 1NF
R3055 200K
Z3050 OP6482AIS
R3053 100K
R3054 680K
PRE_CLIP_RGB 2.3.4/5

C4020 0.1MF

CLAMP

BLACK_SHAD_R_IN
R
Z3060 OP0825
R3060 5.6K
R3061 5.6K
C3062 22PF
C3061 0.1MF
C3063 39PF
R3062 47
C3064 47MF
R3064 10K
R3063 10K
Q3070 BS583
BLACK_SHAD_R 2/5

BLACK_SHAD_G_IN
G
Z3080 OP0825
R3080 5.6K
R3081 5.6K
C3082 22PF
C3081 0.1MF
C3083 39PF
R3082 47
C3084 47MF
R3084 10K
R3083 10K
Q3090 BS583
BLACK_SHAD_G 3/5

BLACK_SHAD_B_IN
B
Z4000 OP0825
R4000 5.6K
R4001 5.6K
C4002 22PF
C4001 0.1MF
C4003 39PF
R4002 47
C4004 47MF
R4004 10K
R4003 10K
Q4010 BS583
BLACK_SHAD_B 4/5

B17 CLP_V
R5024 1K
C5025 150PF

POWER

+9V
L1 22MH
C1 47MF
+9VA

R3020 4,7K
C3020 47MF
Q3020 BC847C
2/5 +9V_R

R3030 4,7K
C3030 47MF
Q3030 BC847C
3/5 +9V_G

R3040 4,7K
C3040 47MF
Q3040 BC847C
4/5 +9V_B

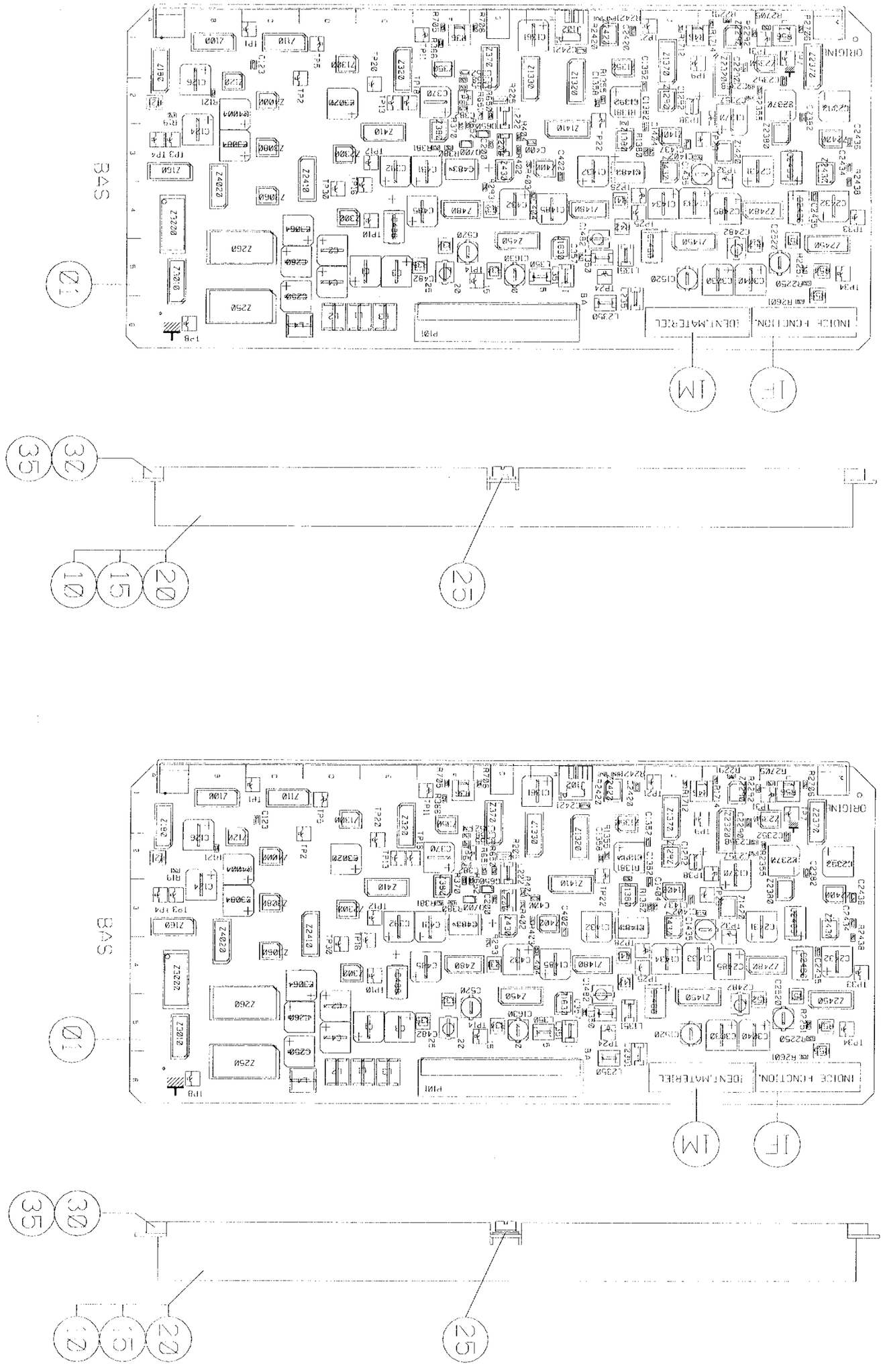
+5V
L2 22MH
C2 47MF
+5VA

+5V_DIGITAL
L4 22MH
C4 47MF
+5VD

-5V
L3 22MH
C3 47MF
-5VA

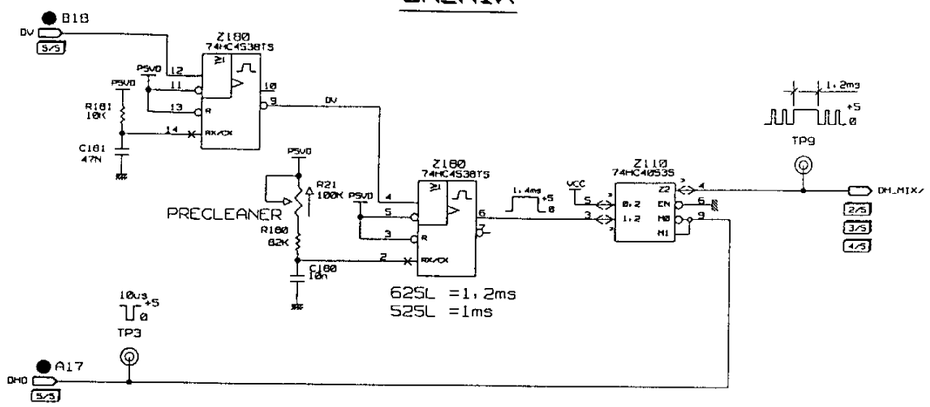
SD63 5/5					CAMERA
					TITLE: ANALOG PROCESS
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4A150400		030	05/05	

SCHEMATIC NAME: A_PROCESS.SCH SHEET NUMBER: 5 DATE: [illegible]

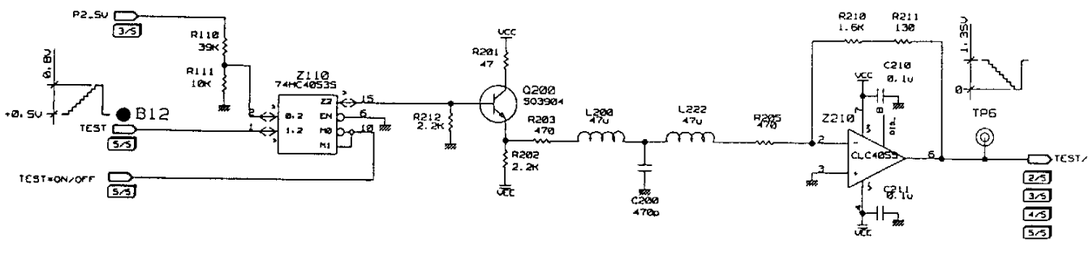


THOMSON					CAMERA
	LD63 1/1	TITLE	ANALOG PROCESS		
		DRAWING NO	REV	CODE	SHEET	BLOCK
		4A150400		046	01/01	

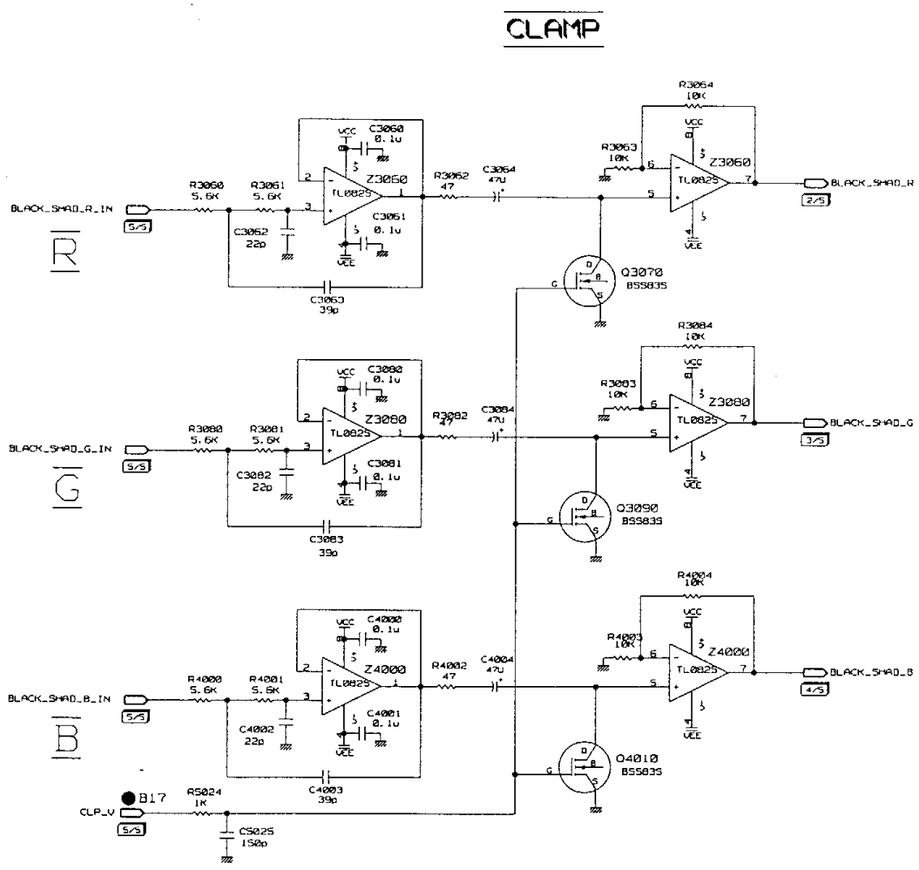
DH_MIX



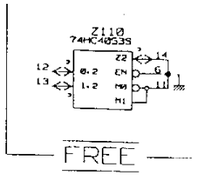
TEST

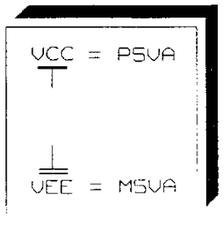


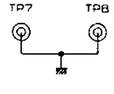
CLAMP



FREE







						CAMERA
SD63 V2 1/5	TITLE: ANALOG PROCESS					
THOMSON	DRAWING NO: 4C150400	REV	CODE: 030	SHEET: 01/05	BLOCK	

CLAMP

CLEANER

PRE-KNEE CLIPPER

BLACK SHADING CORRECTION

CLAMP

FREE

LPF 10MHz
(-3dB)

GAIN
(FRONT 910E)

PRESET
-0,5V
TP10

BW
ADJUST

LEVEL
CORR
TP10

NC

VCC = P5VA

VEE = M5VA

RESISTOR AR0603 +/- 5 %

RESISTOR AR0603 +/- 0.5 %

SD63 V2 2/5	TITLE: ANALOG PROCESS					CAMERA
THOMSON	DRAWING NO: 4C150400	REV	CODE: 030	SHEET: 02/05	BLOCK	

0, 75V

P2_5V
C1292 0.1u
R1293 4.64K
R1294 2K
Z1290 TL062S
C1293 0.1u
C1294 0.1u
VEE
0, 75V TP16
0.75V
2/5
4/5

CLAMP

CLP_1
3/5
C1291 0.1u
Z1290 TL062S
R1290 15K
R1291 100K
C1290 0.1u
Z1320 74HC4316S
ON/OFF
R1320 220
C1320 220n

CLEANER

LPF 10MHz
(-3dB)
0.2V
AS
GREEN
R1349 909
L1350 1.8u
L1351 22u
C1354 10p
C1355 33p
C1356 390p
NC
C1357 10p
R1355 470
R1353 75
C1350 270p
R1356 909
Z1350 CLC505S
VCC C1350 0.1u
R1352 300K
C1352 0.1u
TP21
R1366 3.65K
R1292 30K
R1370 100
Z1370 74HC4053S
R1380 2K
R1381 330
Z1380 CLC405S
C1380 0.1u
C1382 0.1u
TP22
0.325V
Z1390 AD603S
C1390 0.1u
C1393 6.8u
C1391 0.1u
C1394 6.8u
0.75V
2/5
R1403 1K
Z1400 CLC505S
R1390 332
R1391 464
C1400 0.1u
C1401 0.1u
C1402 0.1u
C1403 0.1u
TP23
0.4V
R1510 1K
Q1510 BF517S
Q1520 BC847C
NC
R1511 5.6K
R1512 0
C1520 4.7u
Q1540 S03904
R1540 1.8K
TP24
R1560 2.4K
Q1560 BF569S
R1561 620
Q1570 BF569S
R1572 220
R1571 4.7K
R1500 3.3K
C1570 0.1u
R1570 2.2K
R1581 2.05K
BW ADJUST
C1581 18P(3/18PF) CORJ400X-3PF
Q1580 S03904
R1582 665
NC C1580 14.7p
R1590 2.2K
Q1590 S03906
R1592 75
BS
GREEN_2
GREEN_1
C1590 3.3p
CLIP -1, 4V (+9dB)

PRE-KNEE CLIPPER

P2, 5V

Z1430 TL062S
P2_5V
2/5
4/5
R2420 10K
R2421 10K
Z2420 TL082S
(+5V) D_A_CONVERT
5/5

M2, 5V

C1435 10u
R1435 2.2K
Z1720 LT1009CS8
R2490 100K
C1436 0.1u
R2491 100K
Z1430 TL062S
C1437 0.1u
M2_5V
2/5
4/5

CLAMP

Z1450 74HC43165
CLP_2
2/5
ON/OFF
R1550 1.5K
Q1550 BF517S
PRE_KNEE_RGB
5/5
R1551 2K
R1600 620
Q1600 BF517S
PRE_CLIP_RGB
R1601 2.4K

GAIN

P2_5V
R1712 46.4K
R46 5K
(FRONT SIDE)
R1714 1.6K
GAIN_BONDS_RGB
Z1710 TL082S
C1710 0.1u
C1711 0.1u
R1710 24.9K
R1711 909
C1712 0.1u
PRESET
0, 5V
TP20
R1713 5.05K
Z1710 TL062S
R1490 10K
R1491 10K
Z1490 TL062S
C1491 0.1u
C1492 0.1u

BLACK SHADING CORRECTION

TEMP
2/5
R1303 470K
NC
R1312 25K
C1303 560
LEVEL CORR
TP20
R1350 4.7K
BLACK_SHAD_G
5/5
R1308 82K
Z1300 TL082S
R1313 4.7K
R1310 27K
R1309 51K
BLACK_PULSE_G
5/5
R1314 5.6K
R1300 1K
R1311 270K
C1302 0.1u
R1351 17.4K
R1354 1K
Z1320 74HC43165
ON/OFF
1.4ms
+5V
0
DH_MIX
3/5
+5V
0
TEST

FREE

Z1490 TL062S
VCC
Z1370 74HC4053S
Z2420 TL082S
PGV
Z1300 TL082S
Z1320 74HC43165
Z1450 74HC43165
ON/OFF

VCC = P5VA
VEE = M5VA

SD63 V2 3/5	CAMERA / TITLE: ANALOG PROCESS				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4C150400		030	03/05	

CLAMP

GAIN
(FRONT SIDE)

PRESET
-0.5V
TP38

CLEANER

PRE-KNEE CLIPPER

BW ADJUST

LPF 10MHz
(-3dB)

BLACK SHADING CORRECTION

CLAMP

PRE_KNEE

PRE_CLIP

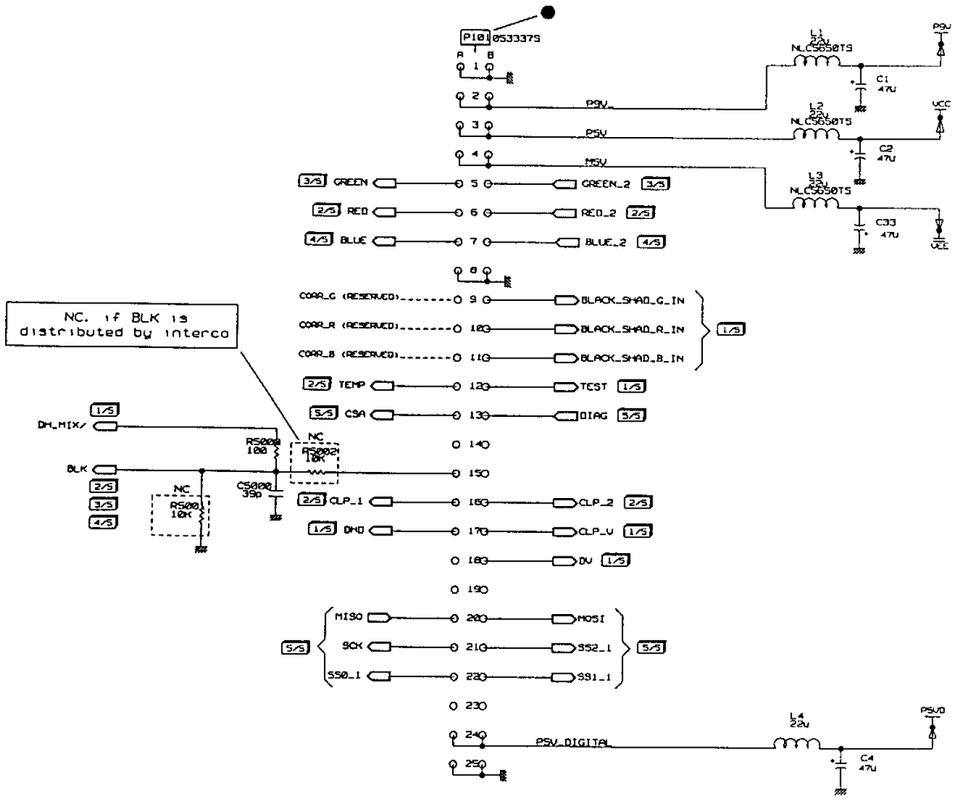
FREE

VCC = P5VA

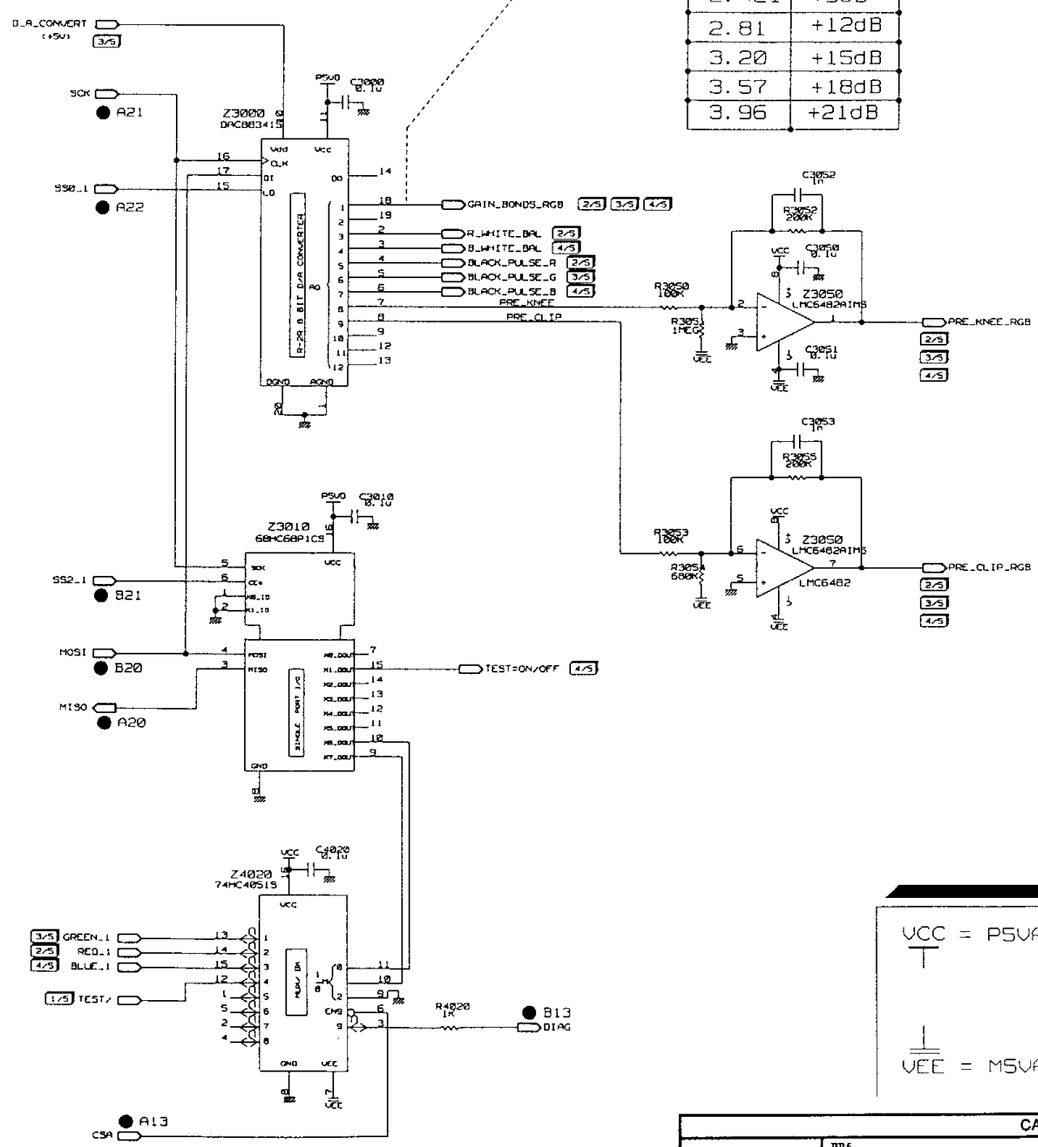
VEE = M5VA

					CAMERA
SD63 V2 4/5	TITLE: ANALOG PROCESS				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK
	4C150400		030	04/05	

POWER



D/A CONVERT



GAIN_BONDS_RGB

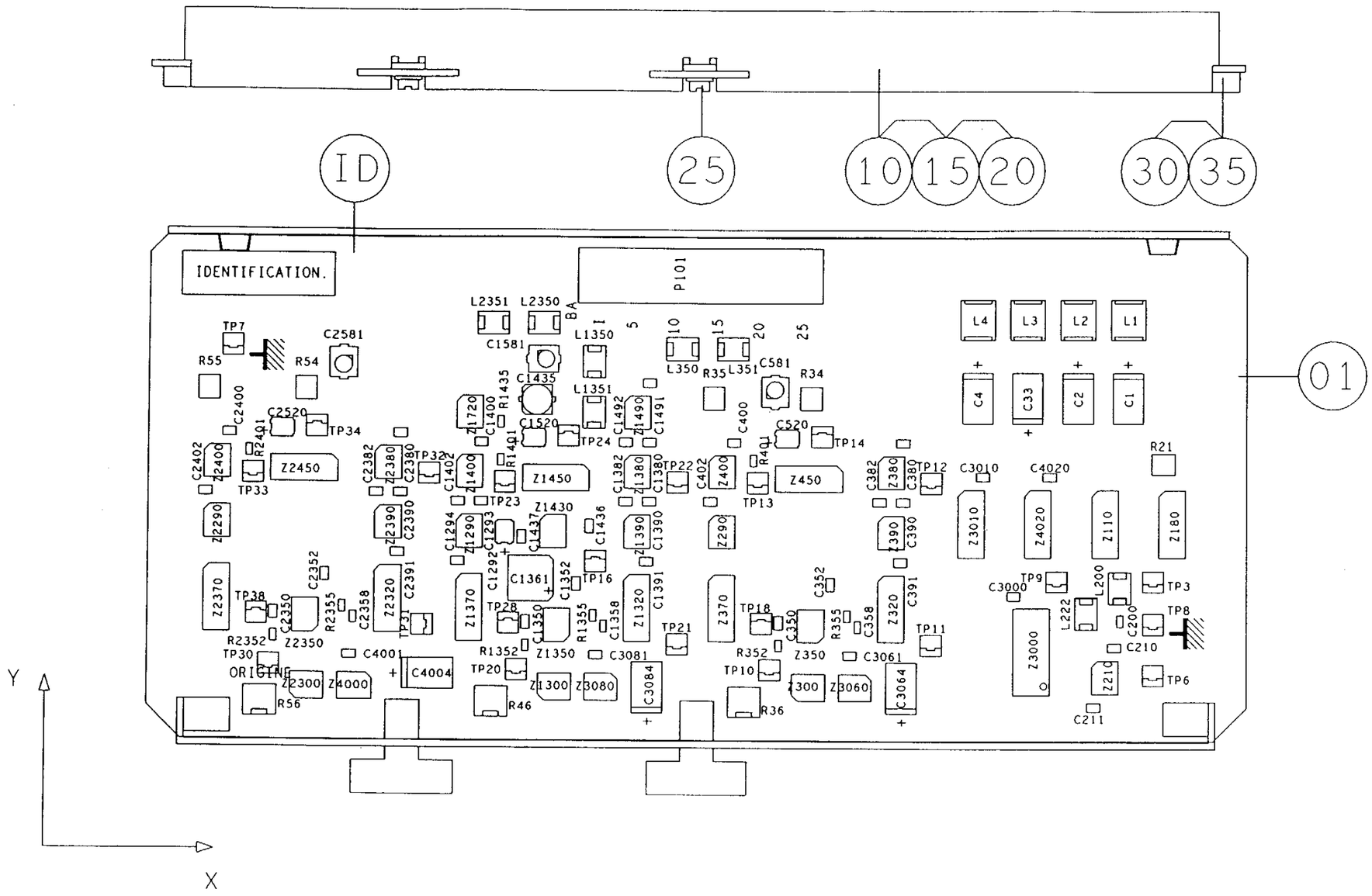
GAIN

0.89	-3dB
1.28	0dB
1.66	+3dB
2.05	+6dB
2.421	+9dB
2.81	+12dB
3.20	+15dB
3.57	+18dB
3.96	+21dB

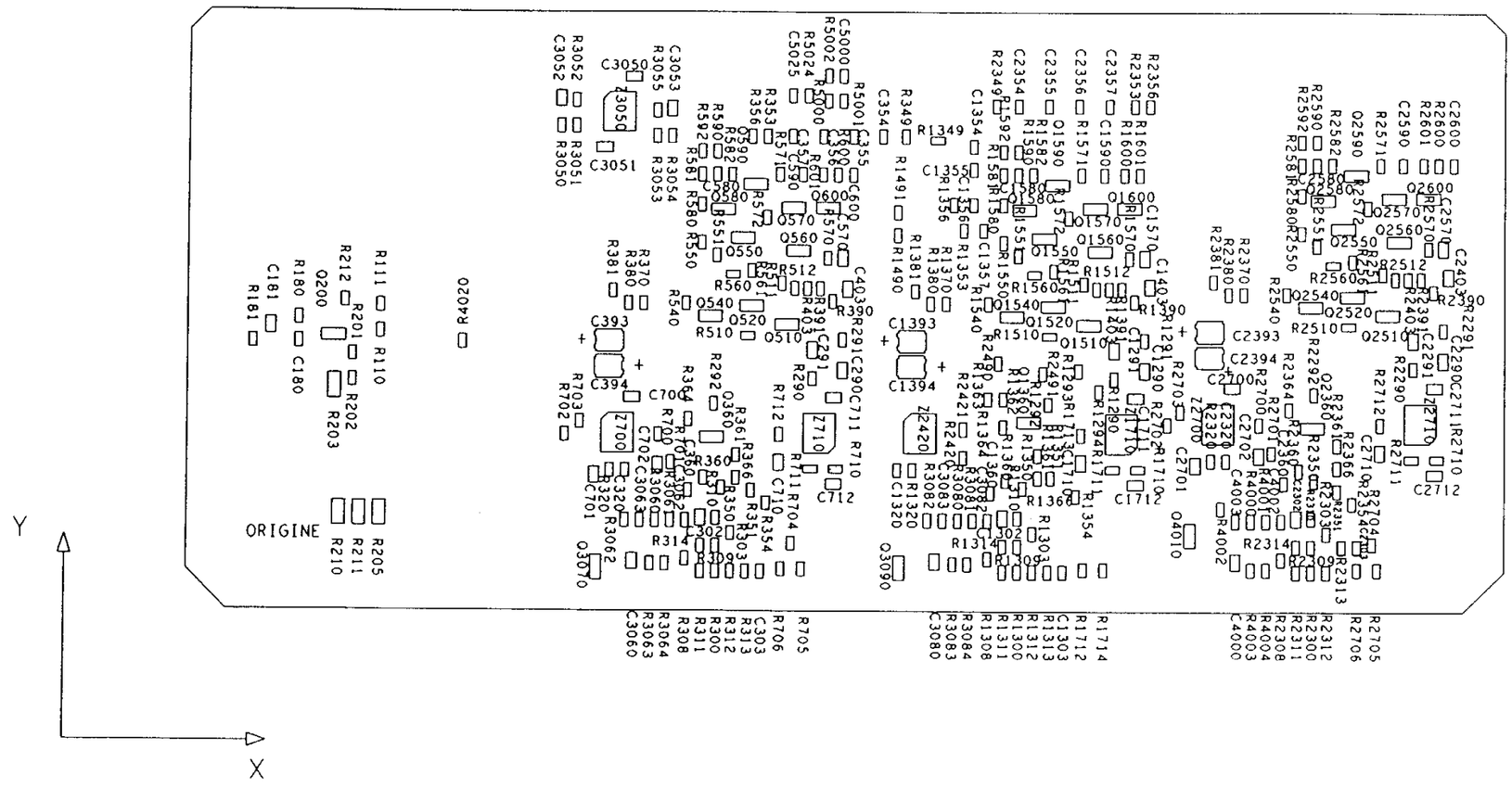
VCC = PSVA

VEE = MSVA

						CAMERA
SD63 V2 5/5	TITLE	ANALOG PROCESS				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4C150400		030	05/05		



						CAMERA
LD63 V2 1/2	TITLE ANALOG PROCESS					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4C150400		046	01/02		



						CAMERA
LD63 V2 2/2	TITLE ANALOG PROCESS					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4C150400		046	02/02		

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conver_ad2

FROM J102 folio 2/11 — RED_I_ — INPUT

RED

CLAMP_RED — CLAMP

CONV_OUT_12B — CONV_RED(11:0) — R_CONV_12B

CLAMP_WIN

CONVERSION ANALOG/DIGITAL

H_CONV

conver_ad

conver_ad4

FROM J102 folio 2/11 — GREEN_I_ — INPUT

GREEN

CLAMP_GREEN — CLAMP

CONV_OUT_12B — CONV_GREEN(11:0) — G_CONV_12B

CLAMP_WIN

CONVERSION ANALOG/DIGITAL

H_CONV

conver_ad

conver_ad5

FROM J102 folio 2/11 — BLUE_I_ — INPUT

BLUE

CLAMP_BLUE — CLAMP

CONV_OUT_12B — CONV_BLUE(11:0) — B_CONV_12B

CLAMP_WIN

CONVERSION ANALOG/DIGITAL

H_CONV

conver_ad

CLAMP_WIN

horloge1

FROM J102 folio 2/11 — 9MHZ — 9MHZ

CLOCK GENERATION

H_CONV — CLK_IN — CLK_IN

CLK_SYST — CLK_SYST

CLK — CLK

FROM Z60 folio 2/11 — OUT_422_ — OUT_422_

horloge

FROM J102 folio 2/11 — SYNC — SYNC

FROM J152 folio 2/11 — CHR — CHR

CHR_BLK — CHR_BLK

VCC

R150 10K

C150 10u

CD74AC04S-EXT

2150

RESET — RESET

ASIC A_B

asic_a_b

RED_OUT_10B
GREEN_OUT_10B
BLUE_OUT_10B
CLK_DAC

CLK_DAC — TO 13 / Z40 folio 2/11

GREEN_OUT(9:0) — TO Z40 folio 2/11

s_video3

RED_OUT(9:0)
GREEN_OUT_10B
BLUE_OUT(9:0)
BLUE_OUT_10B
CLK_DAC

FROM CONNECTOR J102 folio 2/11
BLK_VIDEO
CLP_VIDEO
SY
EN_2_

FROM Z60 folio 2/11
OUT_422_
DIAG_0_
DIAG_1_
SETUP_NTSC
BARRE_100_

VIDEO OUTPUT

s_video

R — RED_2_
CR — CR_2_
G — GREEN_2_
Y — Y_2_
B — BLUE_2_
CB — CB_2_
DIAG_OUT — DIAG

TO CONNECTOR J102 AND CONNECTOR J152 folio 2/11

R
G
B
SAWTOOTH

BLACK SHADING AND SAWTOOTH OUTPUT

BS_RED — BS_RED
BS_GREEN — BS_GREEN
BS_BLUE — BS_BLUE
S_SAWTOOTH — TEST

s_shading

TO CONNECTOR J102 folio 2/11

Y
CR
CB

FROM Z60 folio 1/11
BLK_VF
CLP_VF
SEL_R_G
SEL_Y
SEL_B_G

WIEWFINDER OUTPUT

VF_CR — VF_CR
VF_Y — VF_Y
VF_CB — VF_CB

s_finder

TO CONNECTOR J152 folio 2/11

CLAMP_RED — CLAMP_RED
CLAMP_GREEN — CLAMP_GREEN
CLAMP_BLUE — CLAMP_BLUE
CLAMP_WIN — CLAMP_WIN

TO CONVER_AD2 CONVER_AD4 CONVER_ AD5 folio 1/11

INT_A — INT_A
INT_B — INT_B

TO CONNECTOR J152 folio 2/11

CS_ASIC_A — SS_ASIC_A
CS_ASIC_B — SS_ASIC_B
MOSI — MOSI
MISO — MISO
SCK — SCK

FROM/TO CONNECTOR J102 folio 2/11

CAMERA

SD64 1/11

TITLE: DIGITAL PROCESS

THOMSON

DRAWING NO	REV	CODE	SHEET	BLOCK
4B150401		030	01/11	

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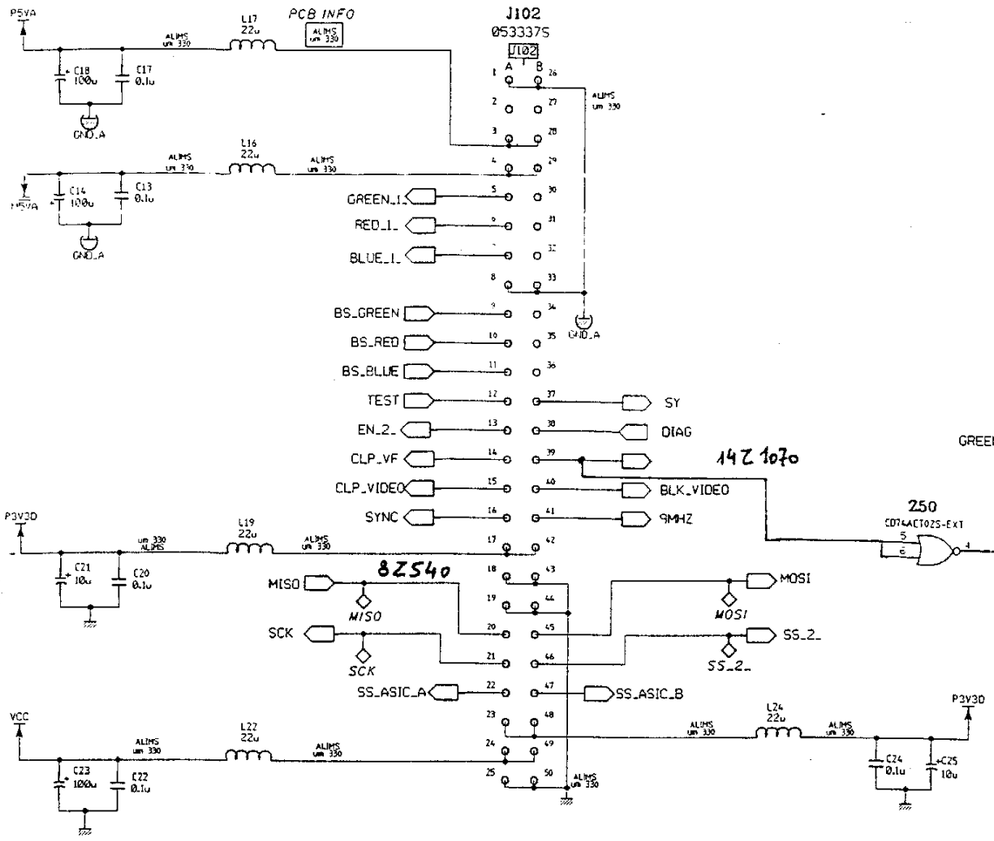
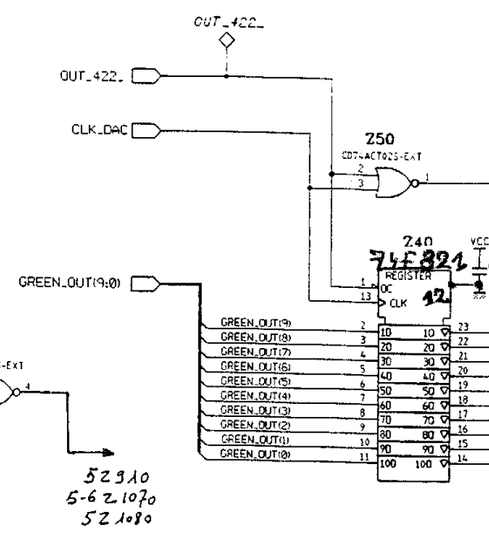
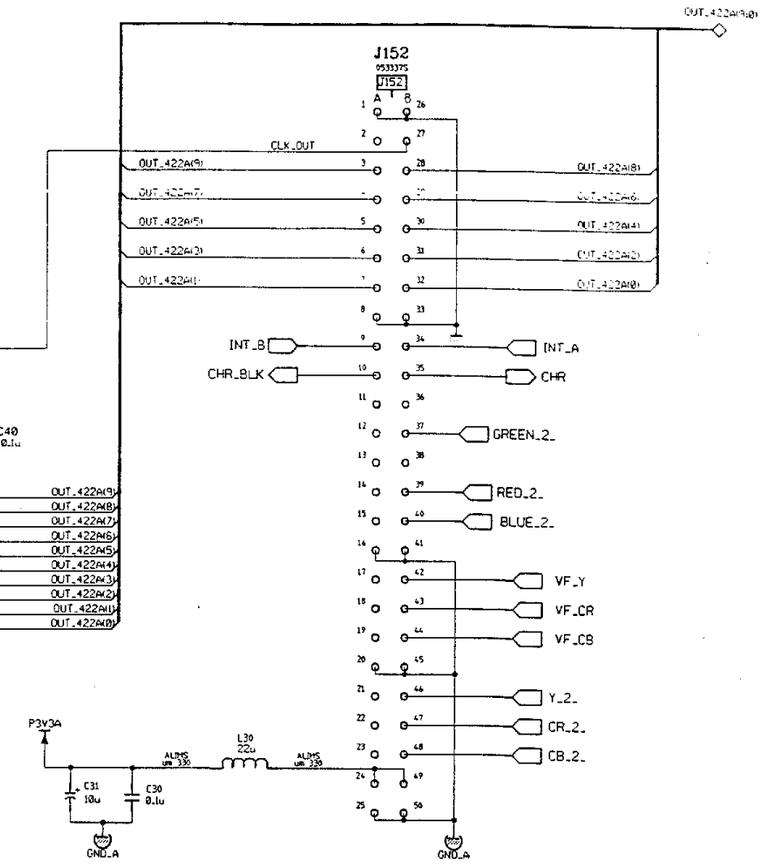
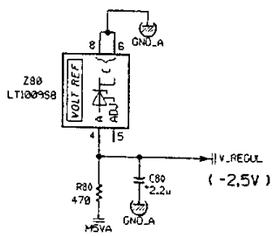
OUT_422_	GREEN_OUT (9:0)
0	DIGITAL OUTPUT
1	ANALOG OUTPUT

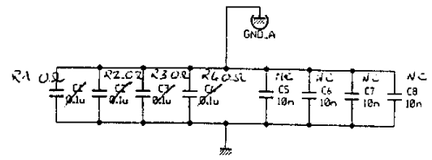




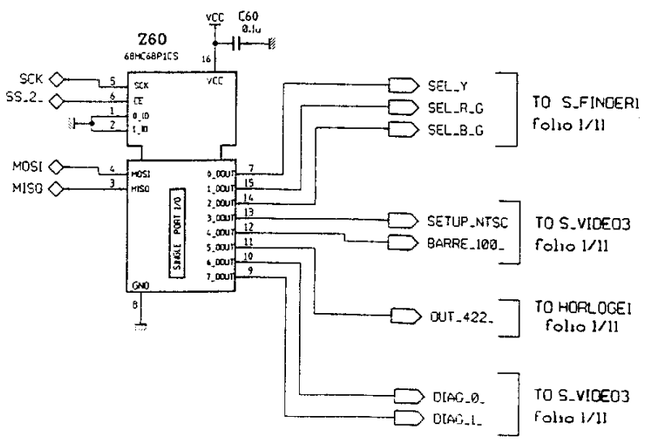


V_REGUL

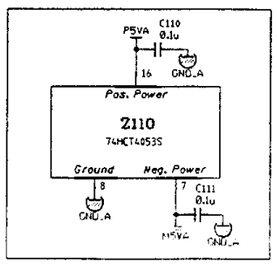


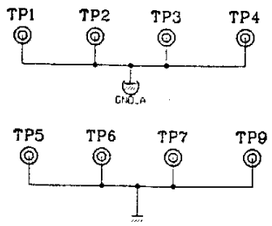


SPI LINKS



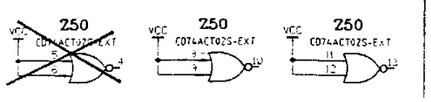
POWER Z110 -folio 3/11





VCC = DIGITAL +5V

FREE



			CAMERA
SD64 2/11	TITLE	DIGITAL PROCESS	
THOMSON	DRAWNING NO	REV	CODE 030 / SHEET 02/11 / BLOCK
	4B150401		

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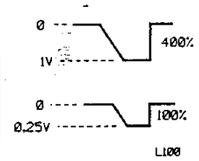
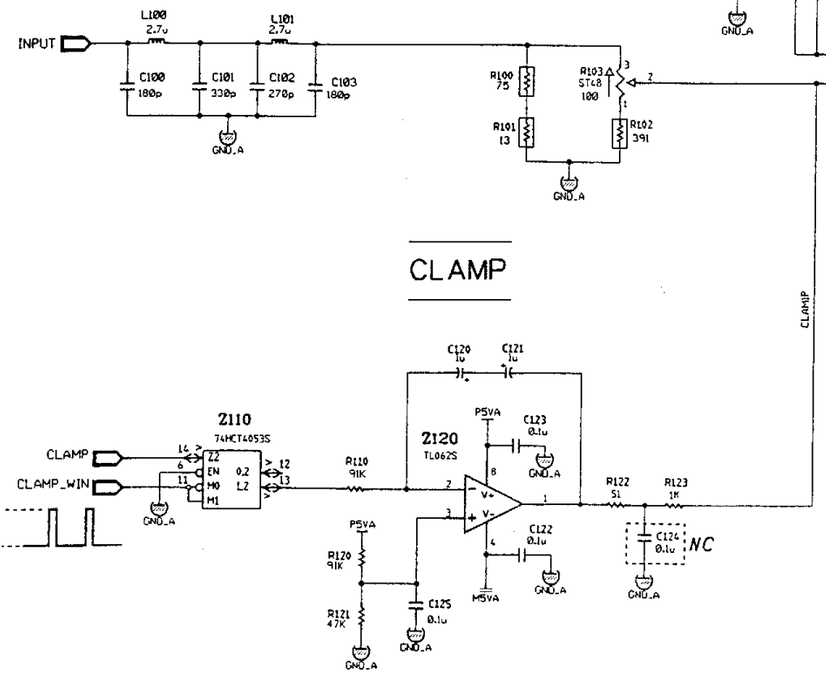
PRE-FILTER CONVERSION





CLAMP

ANALOG / DIGITAL CONVERSION

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

RED CHANNEL

						CAMERA
SD64 3/11	TITLE: DIGITAL PROCESS					
THOMSON	DRAWING NO: 4B150401	REV:	CODE: 030	SHEET: 03/11	BLOCK:	

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PRE-FILTER CONVERSION

12 BITS CONVERSION

CLAMP

ANALOG / DIGITAL CONVERSION

GREEN CHANNEL

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

						CAMERA
SD64 4/11	TITLE: DIGITAL PROCESS					
THOMSON	DRAWING NO: 4B150401	REV	CODE: 030	SHEET: 04/11	BLOCK	

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12 BITS CONVERSION

PRE-FILTER CONVERSION

CLAMP

ANALOG / DIGITAL CONVERSION

BLUE CHANNEL

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

						CAMERA
SD64 5/11	TITLE: DIGITAL PROCESS					
THOMSON	DRAWNING NO: 4B150401	REV	CODE: 030	SHEET: 05/11	BLOCK	

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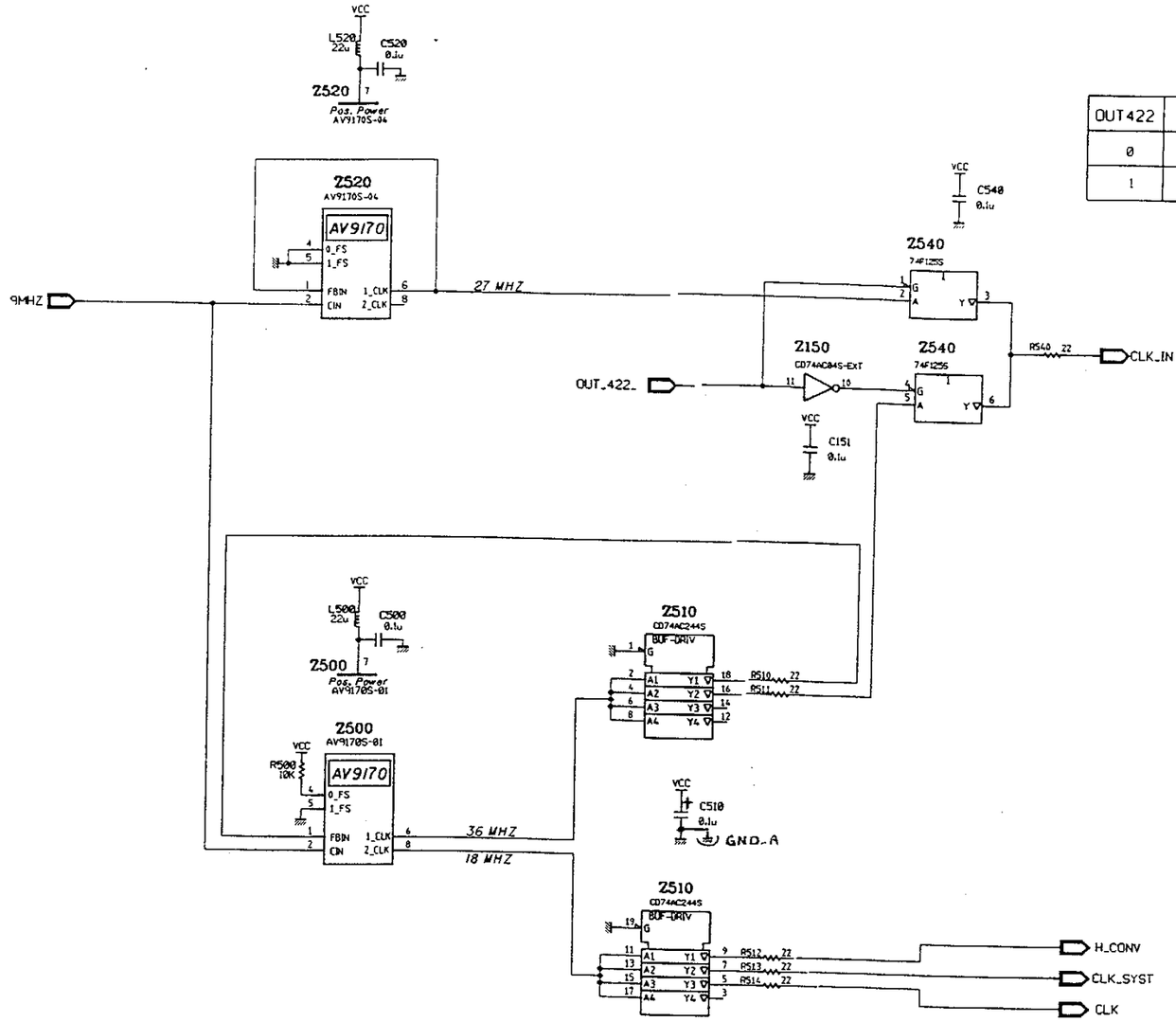
OUT422	
0	27 MHz
1	36 MHz



CLOCK GENERATION

						CAMERA
SD64 6/11	TITLE DIGITAL PROCESS					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4B150401		030	06/11		

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ASIC A- B

CLAMP_BLUE
CLAMP_WIN
CLAMP_GREEN
CLAMP_RED

C400 100u
C401 10u
C402 0.1u
C403 0.1u
C404 0.1u
C405 0.1u
C406 0.1u
C407 0.1u
C408 0.1u
C409 0.1u
C410 10u
C411 10u
C412 0.1u
C413 0.1u
C414 0.1u
C415 0.1u
C416 0.1u
C417 0.1u
C418 0.1u
C430 0.1u
C431 0.1u
C432 0.1u
C433 0.1u
C434 0.1u
C435 0.1u
C436 10u
C437 10u

P3V3D
P3V3A
P3V30
VCC
VEE
GND_A

VDD DIG BUF 3.3 — 10 21 29 37 47 55 63 71
VDD DIG 3.3 — 19 33 90 108 148 184 203
VDD DIG BUF 3.3/5 — 88 103 127 148 186 205
VDD DIG CLK BUF 3.3 — 198 200 202
VDDA OUT ANA DITHER — 153 155 161
VDDA BL SHA — 173 175 181
VDDA SAW — 166 179
VDD — 6 13 20 27 34 41 56 71 85 99 114 127 135 150

R_CONV_12B
R_CONV[11:0] — 123 122 121 120 119 118 117 116 115 114 113 112
R_CONV[11:0] → 13_RIN 12_RIN 11_RIN 10_RIN 9_RIN 8_RIN 7_RIN 6_RIN 5_RIN 4_RIN 3_RIN 2_RIN 1_RIN 0_RIN
111 110

G_CONV_12B
G_CONV[11:0] — 139 138 137 136 135 134 133 132 131 130 129 126
G_CONV[11:0] → 13_GIN 12_GIN 11_GIN 10_GIN 9_GIN 8_GIN 7_GIN 6_GIN 5_GIN 4_GIN 3_GIN 2_GIN 1_GIN 0_GIN
125 124

B_CONV_12B
B_CONV[11:0] — 107 106 105 104 103 102 101 100 99 98 97 96 95 94
B_CONV[11:0] → 13_BIN 12_BIN 11_BIN 10_BIN 9_BIN 8_BIN 7_BIN 6_BIN 5_BIN 4_BIN 3_BIN 2_BIN 1_BIN 0_BIN
93 92

143 CLAMPR
144 CLAMPG
145 CLAMPWIN
142 CLAMPB

CHR_BLK 75 MIX_TEXT
CHR 76 TEXT_LEVEL
RESET 77 RESET
R400 5.6K
R401 5.6K 190 0_T
R402 5.6K 189 1_T
R403 5.6K 188 2_T
R404 10K 191 TDI
R405 10K 193 TDO
R406 10K 194 TCK
195 TMS
SYNC 207 TRSTN
CLK_SYST 208 SYNCIN
146 CLKIN
147 FILT_O_F
SAW_O_F
R408 5.6K 86 SELI2C
84 SCL
85 SDA
78 MOSI
80 MISO
82 SSN
81 SCK
INT_A 83 INTN
87 OUT_TRI
196 VME_TEST

Z400
ASICA2080
ASIC A

ANA_POWER 183

11_ROUT 36 … 0_ROUT 23
11_GOUT 18 … 0_GOUT 5
11_BOUT 54 … 0_BOUT 41
11_GAMCT 70 … 0_GAMCT 57

SYNCOUT 3
SKINDET 4

OUT ANALOG DITHER: D_OUTR 152, D_OUTG 156, D_OUTB 152, D_DREFH 154, D_REFL 158, D_RBIAS 160
BLACK SHADING: B_OUTR 182, B_OUTG 176, B_OUTB 172, B_REFH 174, B_REFL 178, B_RBIAS 180
SAWTOOTH: S_OUT 167, S_REFH 164, S_REFL 165, S_RBIAS 169

R
G
B
SAWTOOTH

R411 8.2K
R412 8.2K
C419 0.1u
C420 0.1u
C421 0.1u
C422 0.1u

VSS DIG BUF 3.3 — 2 11 22 30 38 46 56 64 72
VSS DIG BUF 3.3/5 — 89 104 128 149 187 206
VSS DIG CORE 3.3 — 20 40 74 91 109 141 185 204
VSS DIG CLK 3.3 — 199 201 197
VSSA OUT ANA DITHER — 156 152
VSSA BL SHA — 175 177
VSSA SAW — 163
ANAL GND — 160 158

Z540
74F125S
A20
J102.

Z430
ASIC81600
ASIC B

1_VDDA 147
2_VDDA 143
3_VDDA 145
4_VDDA 139

11_RIN 87 … 0_RIN 98
11_GIN 102 … 0_GIN 113
11_BIN 73 … 0_BIN 84
11_CIN 59 … 0_CIN 70

SYNCIN 152
SKINDET 129
CLKI 101
CLAMPR 116
CLAMPG 117
CLAMPB 118
CLAMPWIN 119
RESET 55
TO 120
TI 121
TDI 122
TDO 123
TCK 124
TMS 125
TRSTN 126
SELI2C 46
SCL 48
SDA 47
MOSI 54
MISO 52
MISOSCK 53
SSN 50
SCK 51

CLK
RESET
R430 5.6K
R431 5.6K

9_ROUT 26 … 0_ROUT 15 → RED_OUT_10B
9_GOUT 12 … 0_GOUT 1 → GREEN_OUT_10B
9_BOUT 40 … 0_BOUT 29 → BLUE_OUT_10B

VIDOUTDISN 45
10_VMEOUT 160 … 0_VMEOUT 132
VMEOUTEN 131

CLKOIN 58 ← CLK_IN
CLKOOUT 43
CLKOOUTEN 44 R432 5.6K
INTN 49 → INT_B
DACREFL 140 C438 0.1u
DACREFH 144 C439 0.1u
VFYOUT 143 → Y
VFCROUT 148 → CR
VFCBOUT 138 → CB
RBIAS 141 R433 8.2K
RAMFALSE 130
1_VSSA 142
2_VSSA 144

VSS — 7 14 21 28 35 42 57 72 86 105 115 128 138 151

SCK
CS_ASIC_B
CS_ASIC_A
MISO
MOSI

SD64 7/11		TITLE: DIGITAL PROCESS			CAMERA
THOMSON	DRAWNING NO: 4B150401	REV	CODE: 030	SHEET: 07/11	BLOCK

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VIDEO OUTPUT

BLUE

GREEN

RED

OUT_422_ → TO Z730 folio 9/11

CLK_OUT

Z600 ADV7122KPL-50+SUPS

Z670 TL062S — Z795 74HC4316S — BL_ → TO Z720 folio 9/11

Z690 CLC405S — LEVEL ADJUST R692 200

Z610 TL062S — Z790 74HC4316S — GI_ → TO Z710 folio 9/11

Z660 CLC405S — LEVEL ADJUST R662 200

Z630 CLC405S — LEVEL ADJUST R632 200

Z620 74HC4316S — RI_ → TO Z700 folio 9/11

Z797 LM285S

Z620 74HC4316S — Pos. Power / Ground / Neg. Power

Z790 74HC4316S — Pos. Power / Ground / Neg. Power

Z795 74HC4316S — Pos. Power / Ground / Neg. Power

BLUE_OUT_10B — BLUE_OUT(9:0) — BLUE_OUT(0)…BLUE_OUT(9)

GREEN_OUT_10B — GREEN_OUT(9:0) — GREEN_OUT(0)…GREEN_OUT(9)

RED_OUT_10B — RED_OUT(9:0) — RED_OUT(0)…RED_OUT(9)

RESISTOR RR2211	0,5 %
RESISTOR RR0603D	0,5 %
RESISTOR RR0603	5 %
FRONT SIDE	

						CAMERA
SD64 8/11		TITLE	DIGITAL PROCESS			
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4B150401		030	08/11		

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VIDEO OUTPUT

RED

FROM Z620 folio 8/11 — R1_

Q700 LM3046S — R705 1.5K — C705 10u — R706 2.7K — C706 10u — R707 150 — R708 1K — R1700 47K — P5VA — M5VA — GND_A

TP700 — 0,7V / 0

Z620 74HC4316S — ON/OFF — R623 1K — R624 1K

Z730 CLC405S — R730 1K — C730 0.1u — R731 1K — C731 0.1u — C732 20p

R — CR

GREEN

FROM Z790 folio 8/11 — G1_

Q710 LM3046S — R711 1.5K — C710 10u — R712 2.7K — C711 10u — R713 150 — R710 1K — R1710 47K

TP710 — 0,7V / 0

Z790 74HC4316S — ON/OFF — R790 1K — R791 1K

Z750 CLC405S — R750 1K — C750 0.1u — R751 1K — C751 0.1u — C752 20p

G — Y

BLUE

FROM Z795 folio 8/11 — B1_

Q720 LM3046S — R721 1.5K — C720 10u — R722 2.7K — C721 10u — R723 150 — R720 1K — R1720 47K

TP720 — 0,7V / 0

Z795 74HC4316S — ON/OFF — R795 1K — R796 1K

Z770 CLC405S — R770 1K — C770 0.1u — R771 1K — C771 0.1u — C772 20p

B — CB

Z740 CLC405S

R740 22.1K — R744 825 — R743 1.38K — R734 221 — R745 150 — R748 0 — R749 121 — R752 0 — C740 0.1u — C741 0.1u

Z760 CLC405S

R760 301K — R767 6.81K — R761 6.81K — R768 6.81K — R765 1K — R763 5.11K — R772 5.11K — R764 13.3K — R762 200 — R769 17.4K — C760 0.1u — C761 0.1u

Z780 CLC405S

R786 5.49K — R784 10 — R781 11K — R783 100 — R780 1.38K — R785 221 — R787 150 — R788 0 — R789 121 — R792 0 — R782 1K — R793 332 — C780 0.1u — C781 0.1u

Z700 LM1881MS

BLK_OUT — R700 820 — R701 820 — C700 220p — C701 220p — R702 2.7K — C702 680p — C703 0.1u — C704 0.1u — R703 510 — R704 510 — C707 330p

Z790 74HC4316S

SETUP_NTSC — BLK_OUT — R794 33.2K — R798 33.2K — R799 26.1K

SYNC_OUT — R766 10K

Z796 74HC4051S

DIAG_0_ — DIAG_1_ — ENA_DIAG — DIAG_OUT — R797 1K — C798 0.1u — C799 0.1u — HUX/DX — VCC — VEE — GND

BARRE_100_

FREE

Z620 74HC4316S — Z795 74HC4316S — Z620 74HC4316S — Z795 74HC4316S

RESISTOR RR2211 0,5 %
RESISTOR RR0603D 0,5 %
RESISTOR RR0603 5 %

CAMERA

SD64 9/11	TITLE: DIGITAL PROCESS				
THOMSON	DRAWNING NO: 4B150401	REV	CODE: 030	SHEET: 09/11	BLOCK

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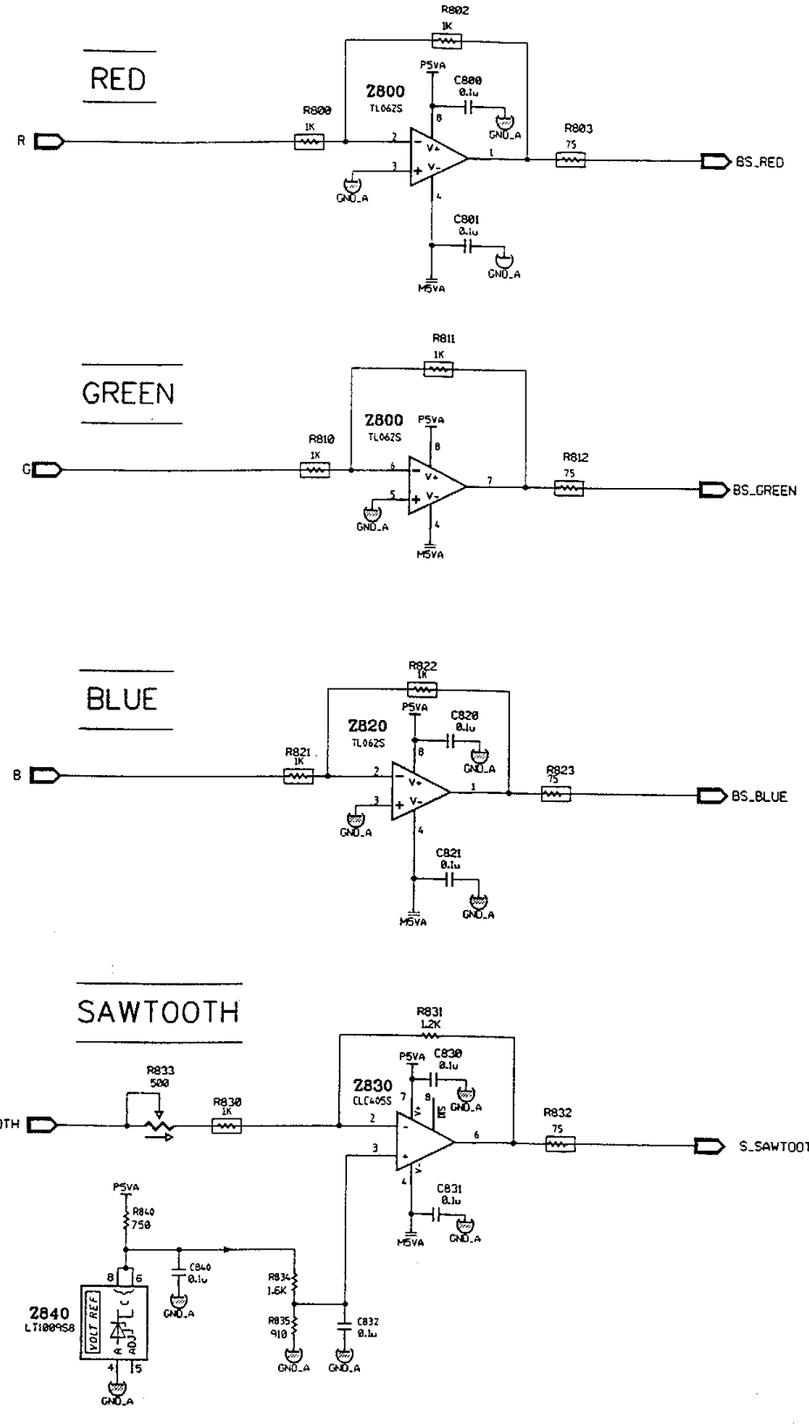

BLACK SHADING AND SAWTOOTH OUTPUT

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

SD64 10/11	TITLE: DIGITAL PROCESS					CAMERA
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4B150401		030	10/11		

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+2,5V

CLAMP

CR

Y

CB

R-G

B-G

VIEW FINDER OUTPUT

FREE

Z910 74HC4316S
Z1080 74HC4316S
Z1070 74HC4316S
Z910 74HC4316S
Z1080 74HC4316S

Z900 LT1009IS8
Z1090 TL082S
Z920 CLC405S
Z1100 TL082S
Z940 CLC405S
Z1200 TL082S
Z960 CLC405S
Z1010 CLC405S
Z1040 CLC405S
Z1050 CLC405S
Z1030 CLC405S
Z1060 74HC4051S
Z1020 CLC405S
Z1080 74HC4316S
Z1070 74HC4316S
Z910 74HC4316S
Z150 C074AC04S-EXT

BLK_VF
CLP_VF
SEL_Y
VF_CR
VF_CB
VF_Y
SUP
SEL_R_G
SEL_B_G
NC
J102 B14

RESISTOR RR0603D 0,5 %
RESISTOR RR0603 5 %

CAMERA					
SD64 11/11	TITLE: DIGITAL PROCESS				
THOMSON	DRAWNING NO: 4B150401	REV:	CODE: 030	SHEET: 11/11	BLOCK:

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FROM J102 folio 2/11 — RED_I_ — INPUT — conver_ad2 — RED — CLAMP_RED — CLAMP — CONV_OUT_12B — CONV_RED(11:0) — R_CONV_12B

CLAMP_WIN — CONVERSION ANALOG/DIGITAL — H_CONV — conver_ad

FROM J102 folio 2/11 — GREEN_I_ — INPUT — conver_ad4 — GREEN — CLAMP_GREEN — CLAMP — CONV_OUT_12B — CONV_GREEN(11:0) — G_CONV_12B

CLAMP_WIN — CONVERSION ANALOG/DIGITAL — H_CONV — conver_ad

FROM J102 folio 2/11 — BLUE_I_ — INPUT — conver_ad5 — BLUE — CLAMP_BLUE — CLAMP — CONV_OUT_12B — CONV_BLUE(11:0) — B_CONV_12B

CLAMP_WIN — CONVERSION ANALOG/DIGITAL — H_CONV — conver_ad

FROM J102 folio 2/11 — 9MHZ — horloge1 — 9MHZ — CLOCK GENERATION

FROM Z60 folio 2/11 — OUT_422_ — OUT_422_ — horloge

H_CONV — CLK_IN — CLK_IN — CLK_SYST — CLK_SYST — CLK — CLK

FROM J102 folio 2/11 — SYNC — SYNC

FROM J152 folio 2/11 — CHR — CHR — CHR_BLK — CHR_BLK

VCC — R150 10K — C150 10u — 9 — 8 — CD74ACT45-ERT — Z150 — RESET — RESET

ASIC A_B — asic_a_b

RED_OUT_10B — GREEN_OUT_10B — BLUE_OUT_10B — CLK_DAC

CLK_DAC — TO 13 / Z40 folio 2/11

GREEN_OUT(9:0) — TO Z40 folio 2/11

RED_OUT(9:0) — BLUE_OUT(9:0)

s_video3

RED_OUT_10B — GREEN_OUT_10B — BLUE_OUT_10B — CLK_DAC

FROM CONNECTOR J102 folio 2/11 — BLK_VIDEO — CLP_VIDEO — SY — EN_2_

FROM Z60 folio 2/11 — OUT_422_ — DIAG_0_ — DIAG_1_ — SETUP_NTSC — BARRE_100_

VIDEO OUTPUT — s_video

R — CR — G — Y — B — CB — DIAG_OUT

RED_2_ — CR_2_ — GREEN_2_ — Y_2_ — BLUE_2_ — CB_2_ — DIAG

TO CONNECTOR J102 AND CONNECTOR J152 folio 2/11

R — G — B — SAWTOOTH

BLACK SHADING AND SAWTOOTH OUTPUT — s_shading

BS_RED — BS_GREEN — BS_BLUE — S_SAWTOOTH

BS_RED — BS_GREEN — BS_BLUE — TEST

TO CONNECTOR J102 folio 2/11

Y — CR — CB

FROM Z60 folio 1/11 — BLK_VF — CLP_VF — SEL_R_G — SEL_Y — SEL_B_G

WIEWFINDER OUTPUT — s_finder

VF_CR — VF_Y — VF_CB

VF_CR — VF_Y — VF_CB

TO CONNECTOR J152 folio 2/11

CLAMP_RED — CLAMP_GREEN — CLAMP_BLUE — CLAMP_WIN

TO CONVER_AD2 CONVER_AD4 CONVER_ AD5 folio 1/11

INT_A — INT_B

TO CONNECTOR J152 folio 2/11

CS_ASIC_A — CS_ASIC_B — MOSI — MISO — SCK

FROM/TO CONNECTOR J102 folio 2/11

						CAMERA
SD64N 1/11	TITLE: DIGITAL PROCESS (N)					
THOMSON	DRAWING NO: 47033346	REV:	CODE: 030	SHEET: 01/11	BLOCK:	

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OUT_422_	GREEN_OUT (9:0)
0	DIGITAL OUTPUT
1	ANALOG OUTPUT

V_REGUL

SPI LINKS

FREE

POWER Z110 -folio 3/11

VCC = DIGITAL +5V

SD64N 2/11	TITLE: DIGITAL PROCESS (N)				CAMERA
THOMSON	DRAWING NO: 47033346	REV	CODE: 030	SHEET: 02/11	BLOCK

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PRE-FILTER CONVERSION

12 BITS CONVERSION

CLAMP

ANALOG / DIGITAL CONVERSION

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

RED CHANNEL

						CAMERA
SD64N 3/11	TITLE DIGITAL PROCESS (N)					
THOMSON	DRAWING NO 47033346	REV	CODE 030	SHEET 03/11	BLOCK	

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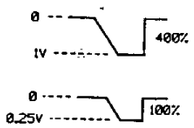
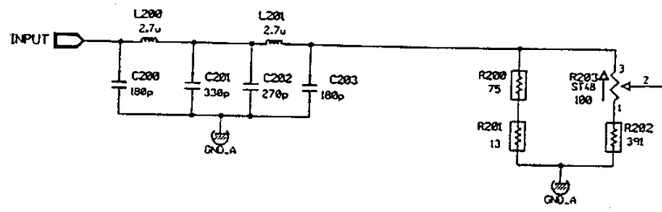
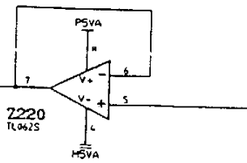
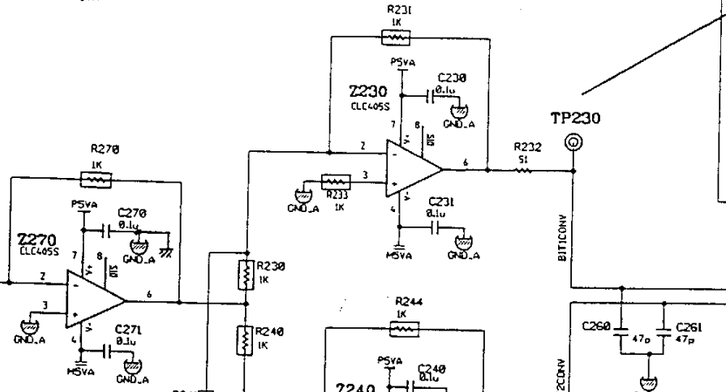
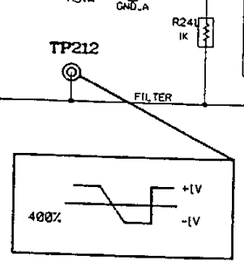
PRE-FILTER CONVERSION

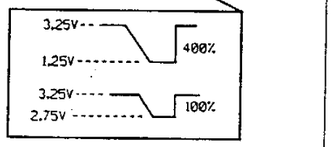


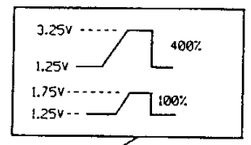


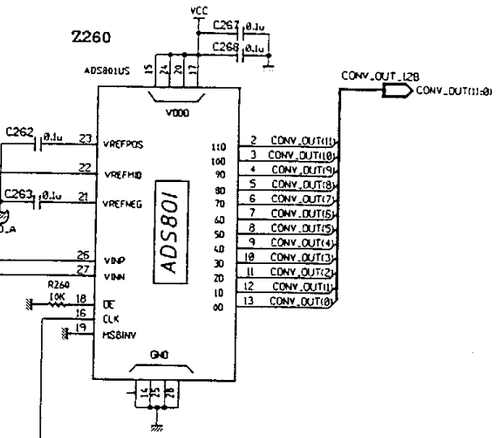




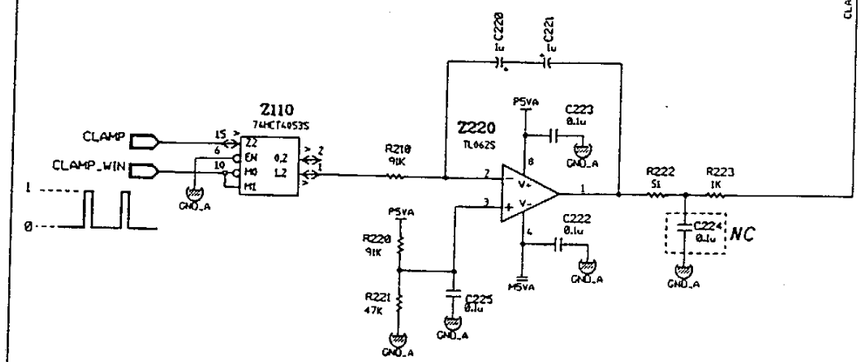








CLAMP



ANALOG / DIGITAL CONVERSION

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

GREEN CHANNEL

						CAMERA
SD64N 4/11	TITLE: DIGITAL PROCESS (N)					
THOMSON	DRAWING NO: 47033346	REV	CODE: 030	SHEET: 04/11	BLOCK	

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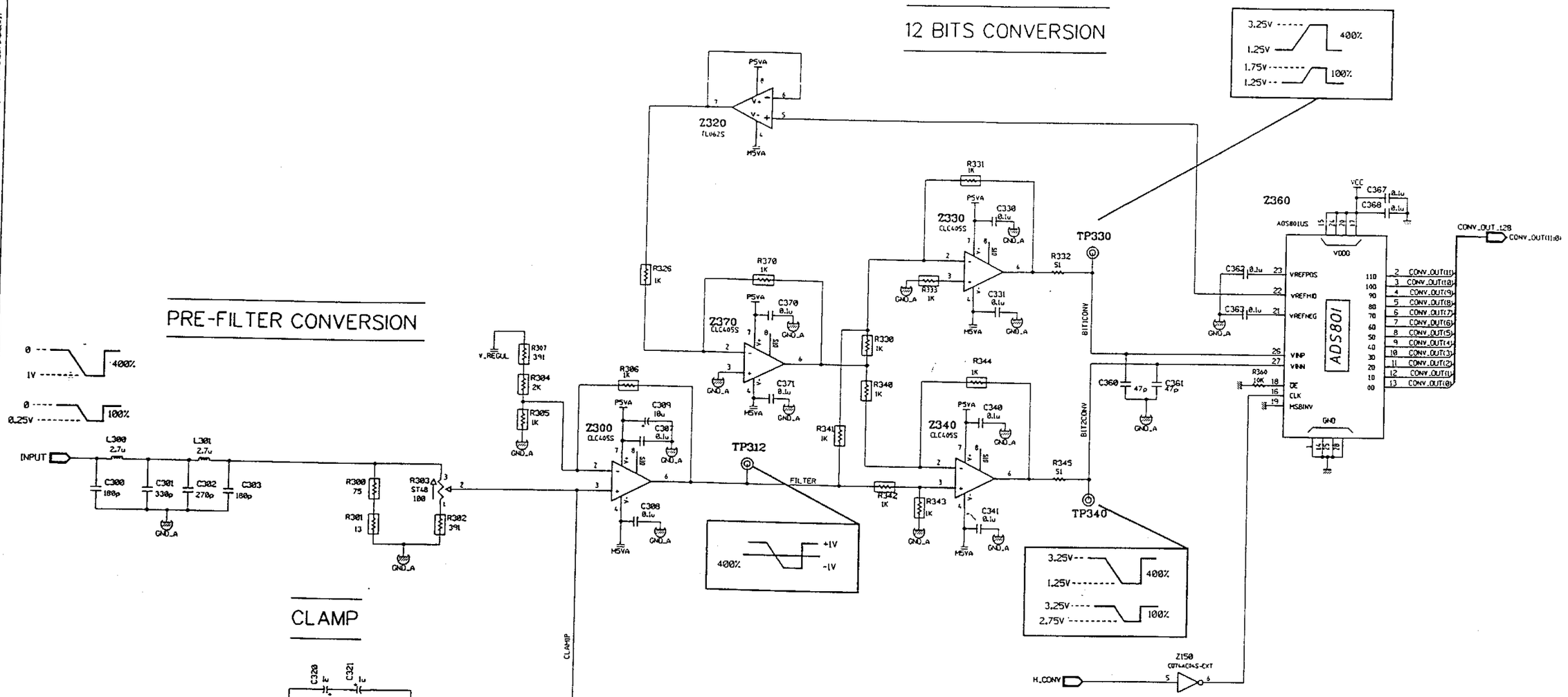
12 BITS CONVERSION

PRE-FILTER CONVERSION

CLAMP

ANALOG / DIGITAL CONVERSION

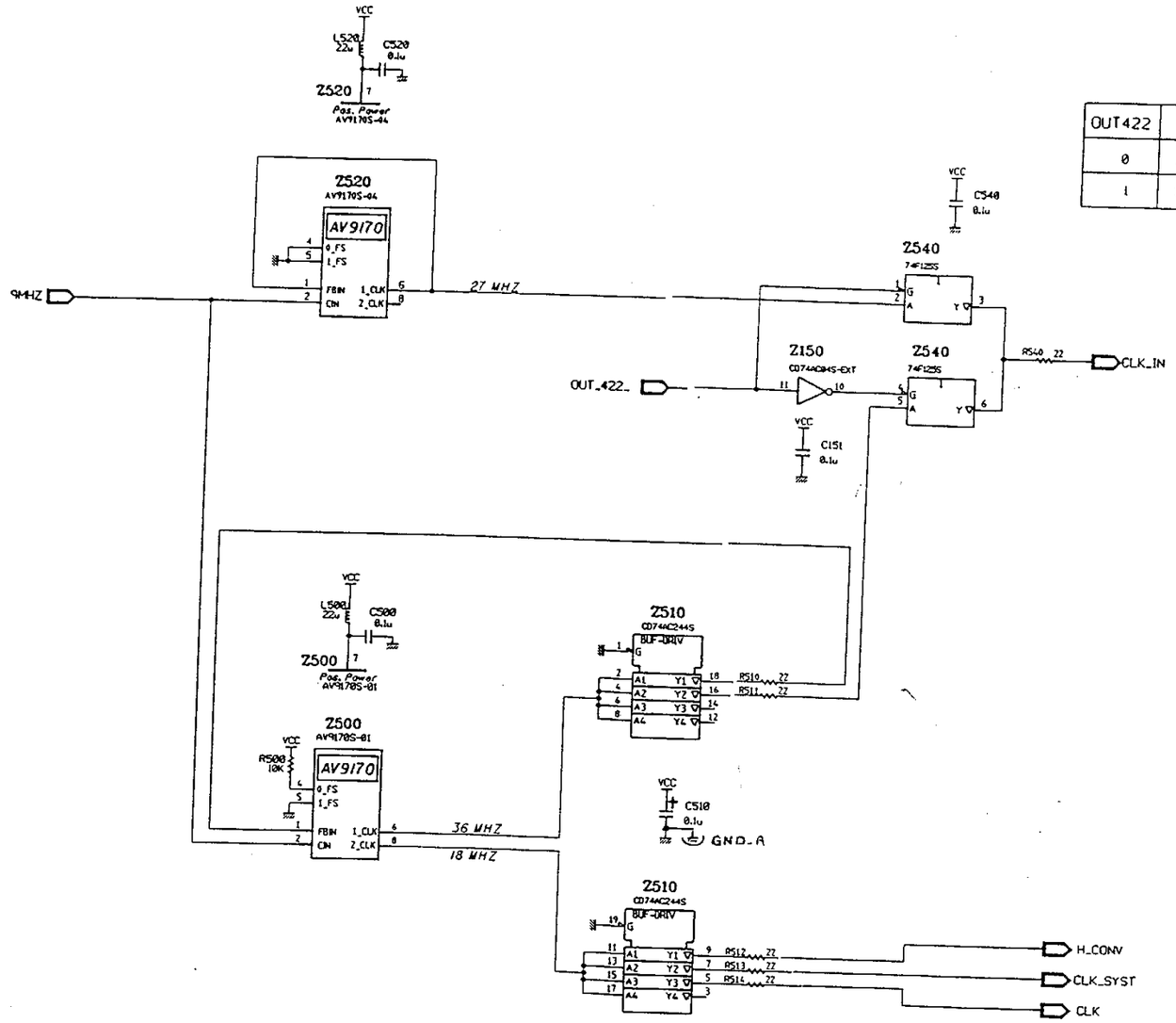


RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

BLUE CHANNEL

						CAMERA
SD64N 5/11	TITLE: DIGITAL PROCESS (N)					
THOMSON	DRAWING NO: 47033346	REV	CODE: 030	SHEET: 05/11	BLOCK	

OUT422	
0	27 MHz
1	36 MHz



CLOCK GENERATION

					CAMERA
SD64N 6/11	TITLE: DIGITAL PROCESS (N)				
THOMSON	DRAWING NO: 47033346	REV:	CODE: 030	SHEET: 06/11	BLOCK:

ASIC A- B

CLAMP_GLUE
CLAMP_WIN
CLAMP_GREEN
CLAMP_RED

C401 10u
C402 0.1u
C403 0.1u
C404 0.1u
C405 0.1u
C406 0.1u
C407 0.1u
C408 0.1u
C409 0.1u
C410 10u
C411 10u
C412 0.1u
C413 0.1u
C414 0.1u
C415 0.1u
C416 0.1u
C417 0.1u
C418 0.1u
C430 0.1u
C431 0.1u
C432 0.1u
C433 0.1u
C434 0.1u
C435 0.1u
C436 10u
C437 10u

P3V3A
VCC
VDD
GND_A

VDD_DIG_BUF 3.3
VDD_DIG 3.3
VDD_DIG_BUF 3.3/5
VDD_DIG_CLK BUF 3.3
VDDA_OUT ANA DITHER
VDDA_BL_SHA
VDDA SAW
VDD

R_CONV_12B
R_CONV[11:0]
G_CONV_12B
G_CONV[11:0]
B_CONV_12B
B_CONV[11:0]

CLAMPR
CLAMPG
CLAMPWIN
CLAMPB

CHR_BUF
CHR
MIX_TEXT
TEXT_LEVEL
RESET
R400 5.6K
R401 5.6K
R402 5.6K
R403 5.6K
R404 10K
R405 10K
R406 10K
R408 5.6K
SYNC
CLK_SYST
INT_A

0_T
1_T
2_T
TDI
TDO
TCK
TMS
TRSTN
SYNCIN
CLKIN
FILT_0_F
SAW_0_F
SELI2C
SCL
SDA
MOSI
MISO
SSN
SCK
INTN
OUT_TRI
VME_TEST

Z400
ASICA2080
ASIC A

ANA_POWER
11_ROUT
10_ROUT
9_ROUT
8_ROUT
7_ROUT
6_ROUT
5_ROUT
4_ROUT
3_ROUT
2_ROUT
1_ROUT
0_ROUT
11_GOUT
10_GOUT
9_GOUT
8_GOUT
7_GOUT
6_GOUT
5_GOUT
4_GOUT
3_GOUT
2_GOUT
1_GOUT
0_GOUT
11_BOUT
10_BOUT
9_BOUT
8_BOUT
7_BOUT
6_BOUT
5_BOUT
4_BOUT
3_BOUT
2_BOUT
1_BOUT
0_BOUT
11_GAMCT
10_GAMCT
9_GAMCT
8_GAMCT
7_GAMCT
6_GAMCT
5_GAMCT
4_GAMCT
3_GAMCT
2_GAMCT
1_GAMCT
0_GAMCT
SYNCOUT
SKINDET

OUT_ANALOG DITHER
0_OUTR
0_OUTG
0_OUTB
0_DREFH
0_REFL
0_RBIAS

BLACK SHADING
B_OUTR
B_OUTG
B_OUTB
B_REFH
B_REFL
B_RBIAS

SAWTOOTH
S_OUT
S_REFH
S_REFL
S_RBIAS

R
G
B
SAWTOOTH

R411 8.2K
R412 8.2K
C419 0.1u
C420 0.1u
C421 0.1u
C422 0.1u

VSS_DIG_BUF 3.3
VSS_DIG_BUF 3.3/5
VSS_DIG_CORE 3.3
VSS_DIG_CLK 3.3
VSSA_OUT ANA DITHER
VSSA_BL_SHA
VSSA SAW
ANAL GND

2540
74F1255
A20
3102.

Z430
ASICB1620
ASIC B

1_VDDA
2_VDDA
3_VDDA
4_VDDA
11_RIN
10_RIN
9_RIN
8_RIN
7_RIN
6_RIN
5_RIN
4_RIN
3_RIN
2_RIN
1_RIN
0_RIN
11_GIN
10_GIN
9_GIN
8_GIN
7_GIN
6_GIN
5_GIN
4_GIN
3_GIN
2_GIN
1_GIN
0_GIN
11_BIN
10_BIN
9_BIN
8_BIN
7_BIN
6_BIN
5_BIN
4_BIN
3_BIN
2_BIN
1_BIN
0_BIN
11_CIN
10_CIN
9_CIN
8_CIN
7_CIN
6_CIN
5_CIN
4_CIN
3_CIN
2_CIN
1_CIN
0_CIN
SYNCIN
SKINDET
CLK1
CLAMPR
CLAMPG
CLAMPB
CLAMPWIN
RESET
TO
TI
TDI
TDO
TCK
TMS
TRSTN
SELI2C
SCL
SDA
MOSI
MISO
MISOSCK
SSN
SCK
R431 5.6K

9_ROUT
8_ROUT
7_ROUT
6_ROUT
5_ROUT
4_ROUT
3_ROUT
2_ROUT
1_ROUT
0_ROUT
RED_OUT[9:0]
RED_OUT_10B
9_GOUT
8_GOUT
7_GOUT
6_GOUT
5_GOUT
4_GOUT
3_GOUT
2_GOUT
1_GOUT
0_GOUT
GREEN_OUT[9:0]
GREEN_OUT_10B
9_BOUT
8_BOUT
7_BOUT
6_BOUT
5_BOUT
4_BOUT
3_BOUT
2_BOUT
1_BOUT
0_BOUT
BLUE_OUT[9:0]
BLUE_OUT_10B
VIDOUTDISN
10_VMEOUT
9_VMEOUT
8_VMEOUT
7_VMEOUT
6_VMEOUT
5_VMEOUT
4_VMEOUT
3_VMEOUT
2_VMEOUT
1_VMEOUT
0_VMEOUT
VMEOUTEN

CLKDIN
CLKDOUT
CLKDOUTEN
INTN
R432 5.6K
CLK_IN
CLK_DAC
INT_B
C438 0.1u
C439 0.1u
DACREFL
DACREFH
VFYOUT
VFCROUT
VFCBOUT
RBIAS
RAMFALSE
R433 8.2K
Y
CR
CB
1_VSSA
2_VSSA

SCK
CS_ASIC_B
CS_ASIC_A
MISO
MOSI

						CAMERA
SD64N 7/11		TITLE : DIGITAL PROCESS (N)				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033346		030	07/11		

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VIDEO OUTPUT

BLUE

GREEN

RED

OUT_422_ TO Z730 folio 9/11

CLP_OUT

TO Z720 folio 9/11 (BL_)

TO Z710 folio 9/11 (GL_)

TO Z700 folio 9/11 (RL_)

Z600 ADV7122KPL-50+SUPS

Z670 TL062S — Z795 74HC4316S

Z690 CLC405S

Z610 TL062S — Z790 74HC4316S

Z660 CLC405S

Z610 TL062S — Z620 74HC4316S

Z630 CLC405S

LEVEL ADJUST

Z620 74HC4316S (Pos. Power / Ground / Neg. Power)

Z790 74HC4316S (Pos. Power / Ground / Neg. Power)

Z795 74HC4316S (Pos. Power / Ground / Neg. Power)

RESISTOR RR2211 0,5 %
RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %
FRONT SIDE

						CAMERA
SD64N 8/11	TITLE: DIGITAL PROCESS (N)					
THOMSON	DRAWING NO: 47033346	REV	CODE: 030	SHEET: 08/11	BLOCK	

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folio 8/11

OUT_422.

VIDEO OUTPUT

RED

FROM Z620 folio 8/11 — RL_

Q700 LM3046S

TP700

Z620 74HC4316S

Z730 CLC405S

R

GREEN

FROM Z790 folio 8/11 — GL_

Q710 LM3046S

TP710

Z790 74HC4316S

Z750 CLC405S

G

BLUE

FROM Z795 folio 8/11 — BL_

Q720 LM3046S

TP720

Z795 74HC4316S

Z770 CLC405S

B

BARRE_100_

SETUP_NTSC

BLK_OUT

SYNC_OUT

DIAG_0_

DIAG_1_

ENA_DIAG

DIAG_OUT

Z700 LM1881MS

Z740 CLC405S

CR

Z760 CLC405S

Y

Z780 CLC405S

CB

Z796 74HC4051S

FREE

Z620 74HC4316S

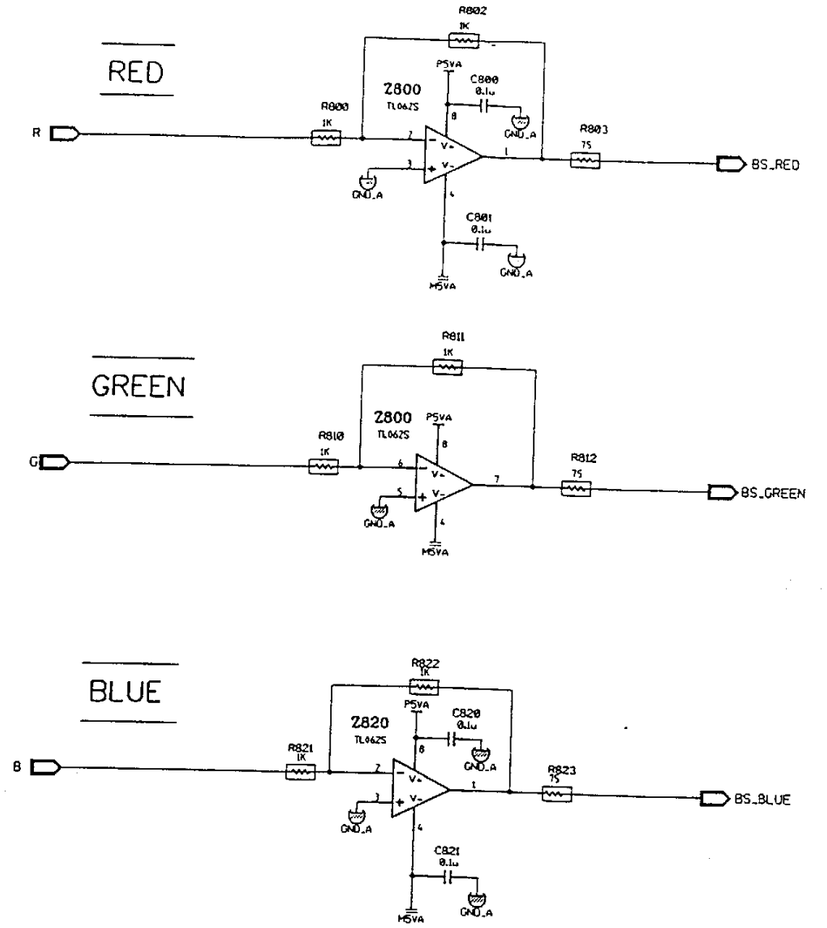
Z795 74HC4316S

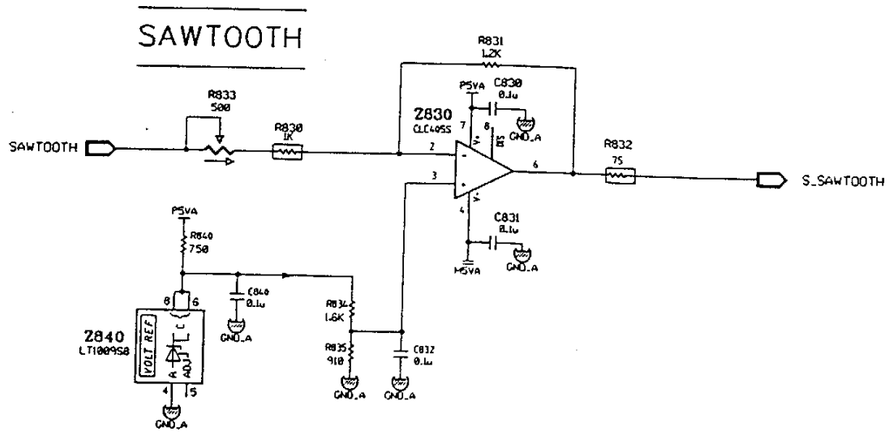
RESISTOR RR2211 0.5 %

RESISTOR RR0603D 0.5 %

RESISTOR RR0603 5 %

THOMSON	CAMERA					
SD64N 9/11	TITLE: DIGITAL PROCESS (N)					
	DRAWING NO: 47033346	REV	CODE: 030	SHEET: 09/11	BLOCK	





BLACK SHADING AND SAWTOOTH OUTPUT

RESISTOR RR0603D 0.5 %
RESISTOR RR0603 5 %

						CAMERA
SD64N 10/11	TITLE DIGITAL PROCESS (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033346		030	10/11		

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+2,5V

CLAMP

CR

Y

CB

R-G

B-G

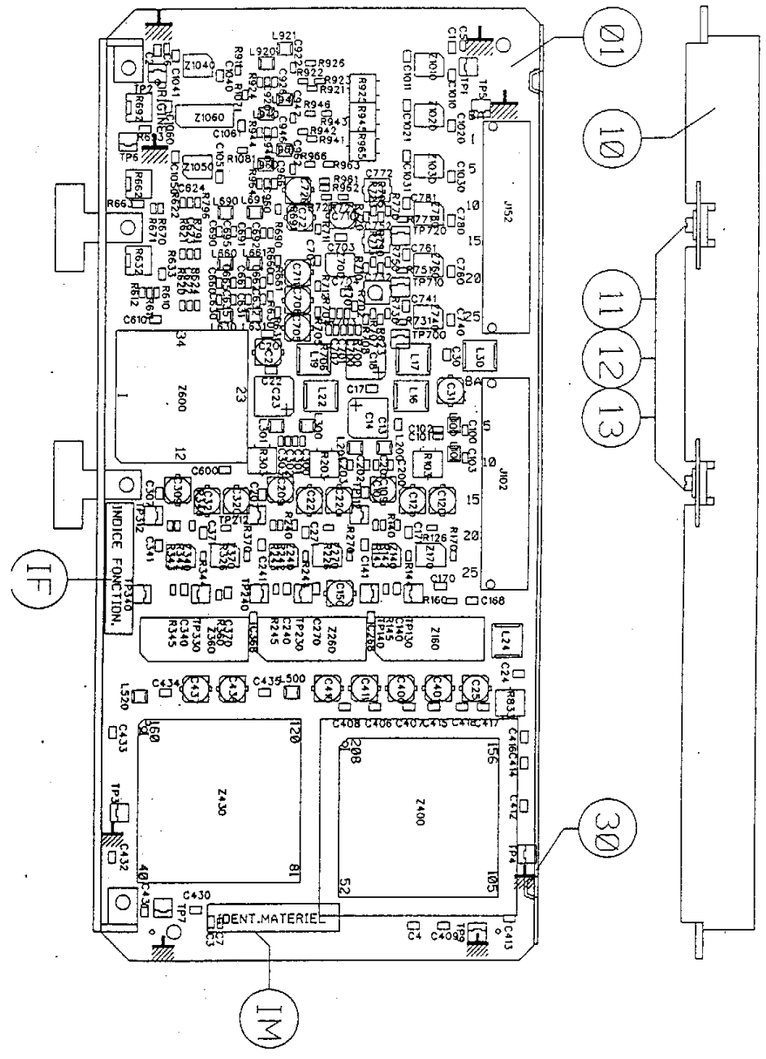
VIEW FINDER OUTPUT

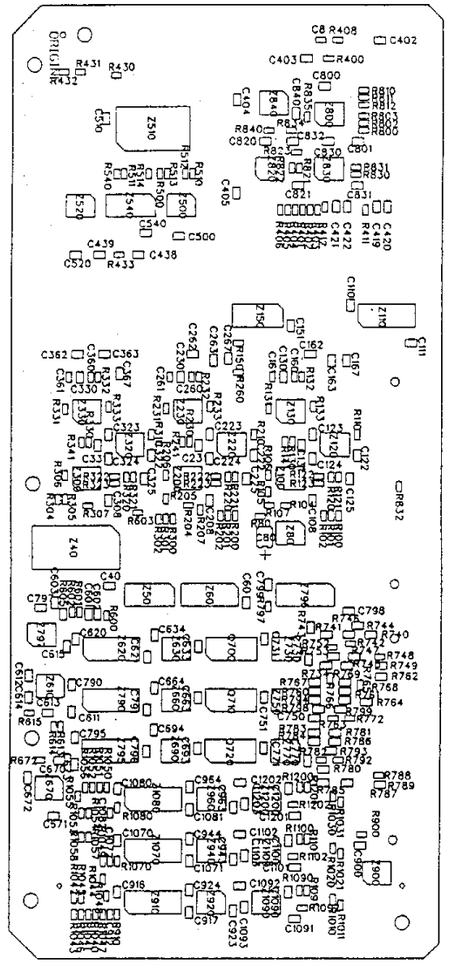
FREE

RESISTOR RR0603 0.5 %

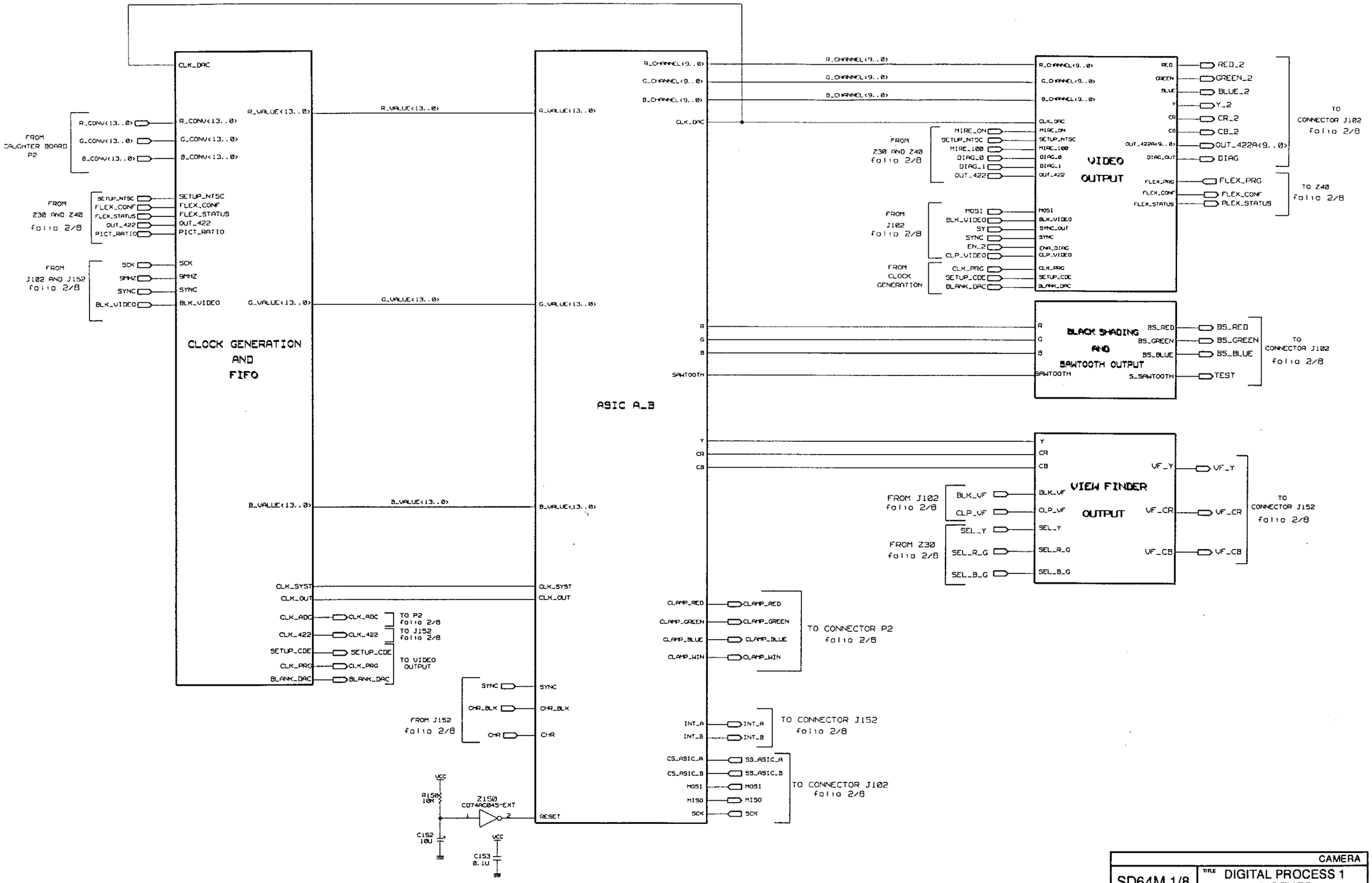
RESISTOR RR0603 5 %

SD64N 11/11					CAMERA	
	TITLE: DIGITAL PROCESS (N)					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47033346		030	11/11		

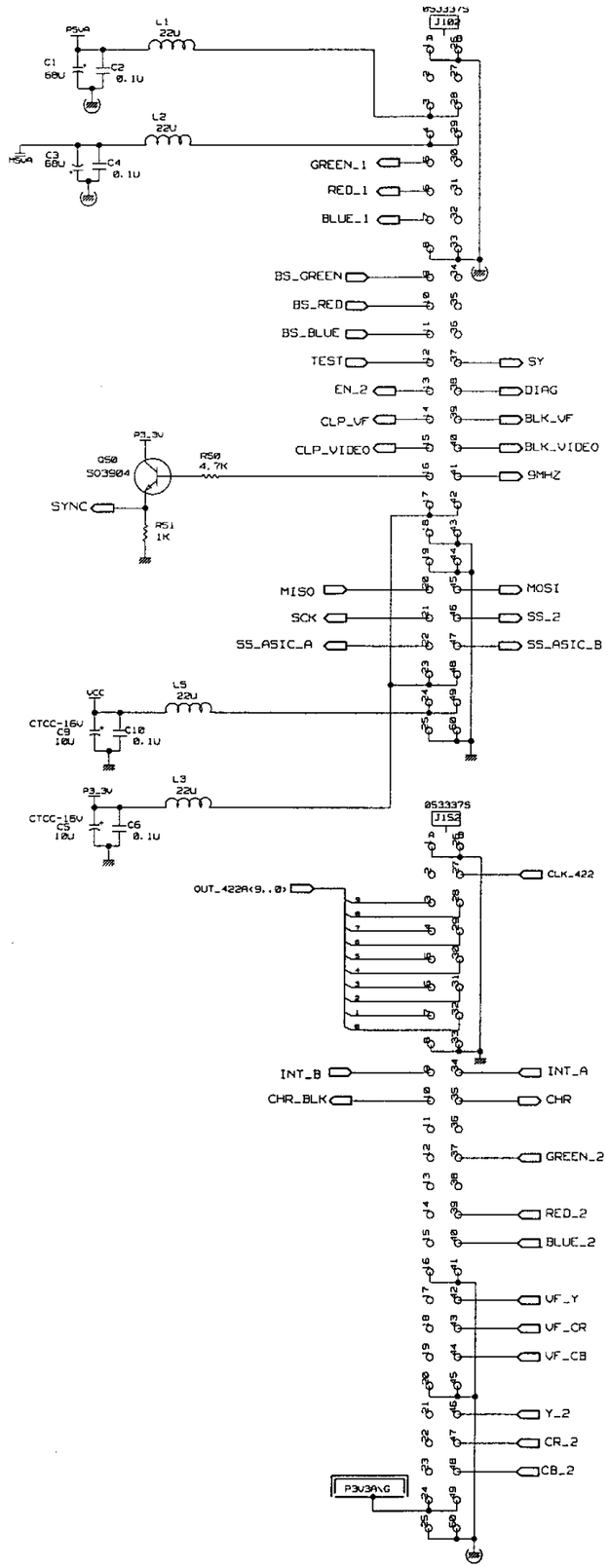




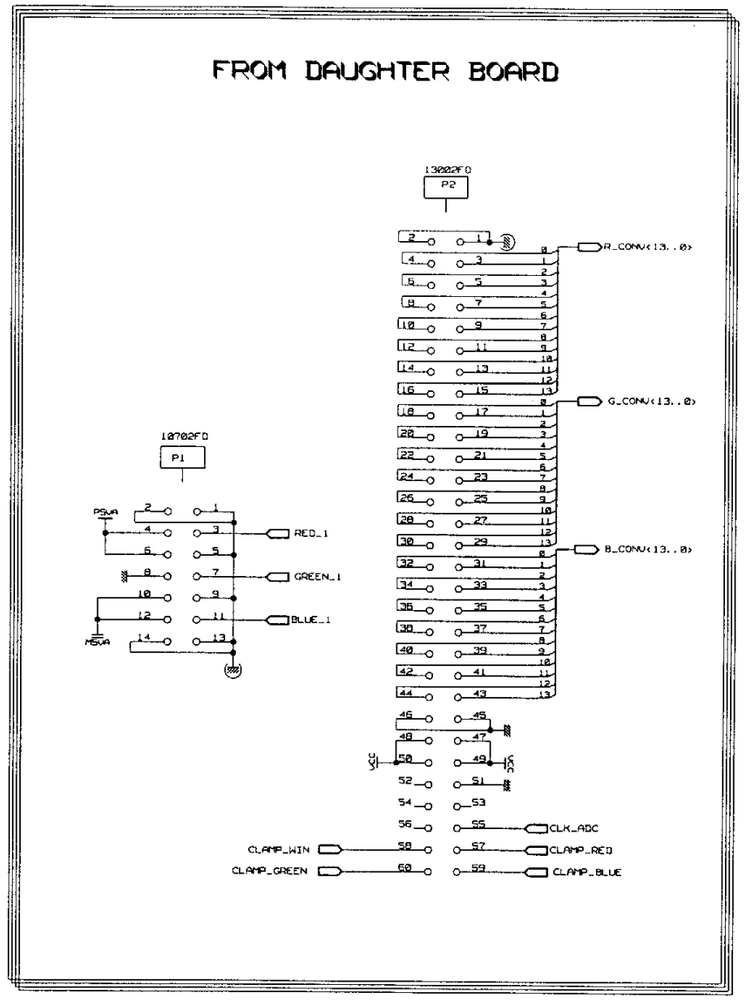
						CAMERA
LD64 1/1	TITLE: DIGITAL PROCESS					
THOMSON	DRAWNING NO: 4B150401	REV:	CODE: 046	SHEET: 01/01	BLOCK:	

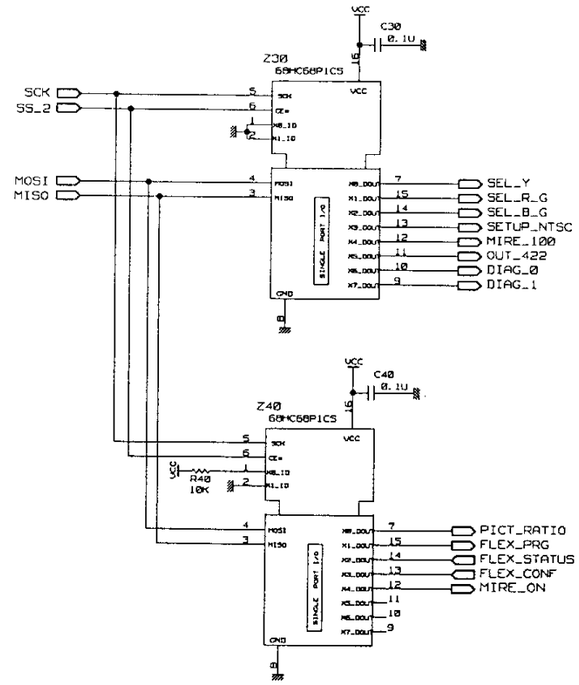


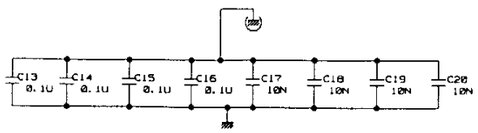
						CAMERA
SD64M 1/8	TITLE	DIGITAL PROCESS 1 MOTHER				
	DRAWING NO		REV	CODE	SHEET	BLOCK
THOMSON	4D150401			030	01/08	

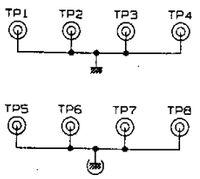


FROM DAUGHTER BOARD



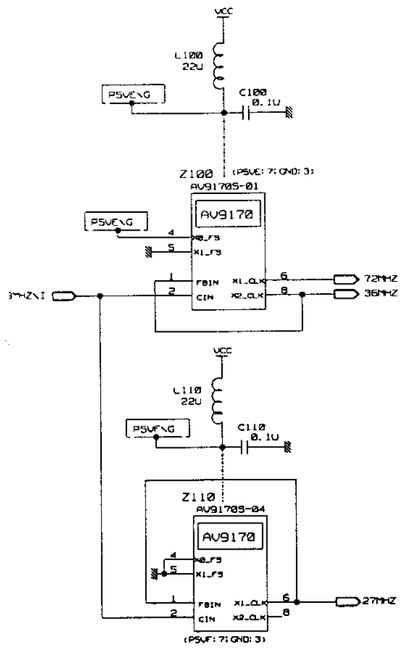


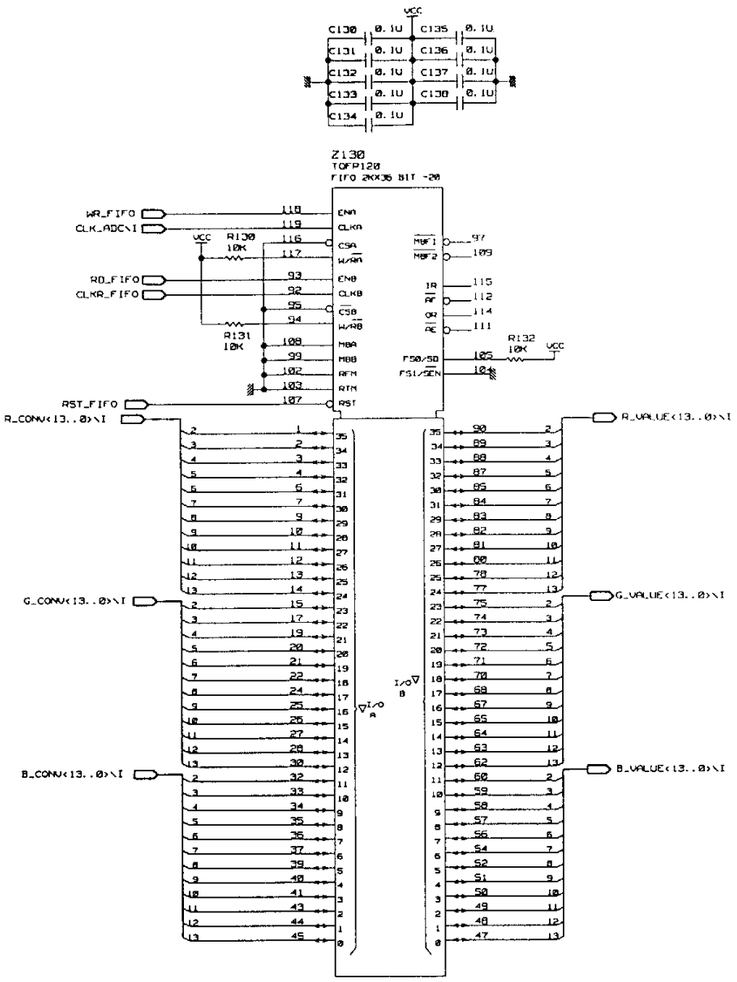




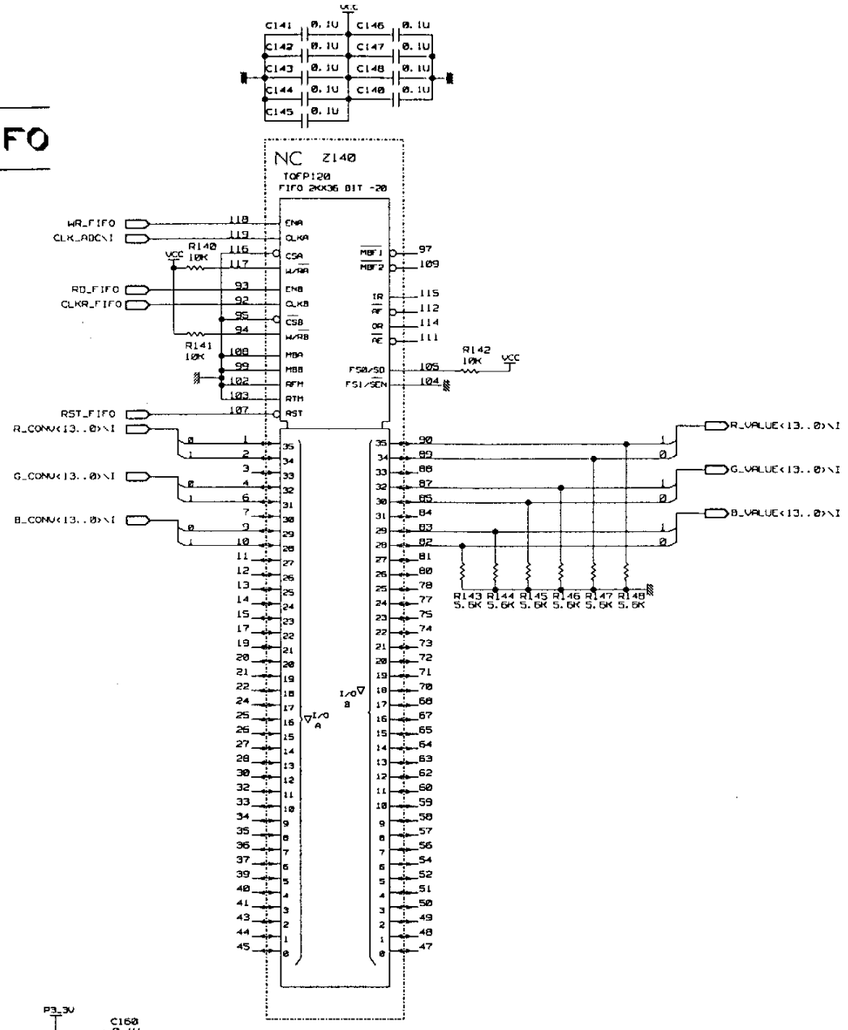
					CAMERA
SD64M 2/8	TITLE DIGITAL PROCESS 1 MOTHER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4D150401		030	02/08	

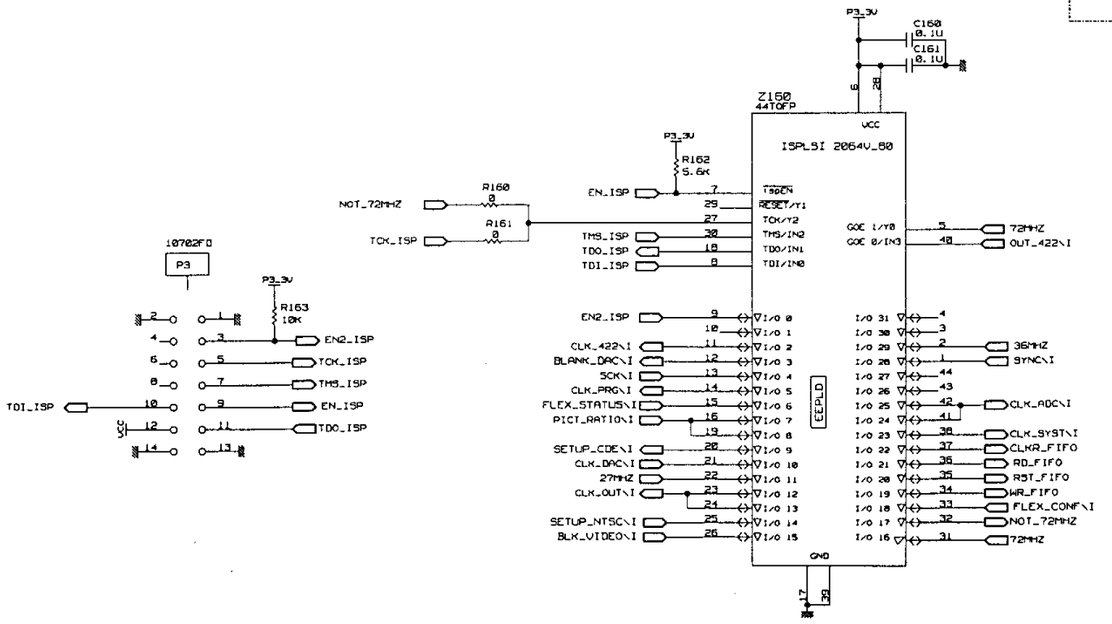
CLOCK GENERATION





FIFO





RESISTOR RR0603 5%

RESISTOR RR0603D 0,5%

						CAMERA
SD64M 3/8	TITLE	DIGITAL PROCESS 1 MOTHER				
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	4D150401		030	03/08		

ASIC A-B

CLAMP_BLUE\I
CLAMP_WIN\I
CLAMP_GREEN\I
CLAMP_RED\I

C400 10U
C401 10U
C402 0.1U
C403 0.1U
C404 0.1U
C405 0.1U
C406 0.1U
C407 0.1U
C408 0.1U
C409 0.1U
C410 10U
C411 10U
C412 0.1U
C413 0.1U
C414 0.1U
C415 0.1U
C416 0.1U
C417 0.1U
C418 0.1U
P3_3V
VCC
P3V3A\G

R_VALUE(13..0)\I
G_VALUE(13..0)\I
B_VALUE(13..0)\I

Z400
ASICA2080

ASIC A

VDD DIG BUF 3.3
VDD DIG 3.3
VDD DIG BUF 3.3/5
VDD DIG CLK BUF 3.3
VDDA OUT ANA DITHER
VDDA BL SHA
VDDA S/H

CLAMPR
CLAMPG
CLAMPB
CLAMPWIN

CHR_BLK\I
CHR\I
RESET\I
SYNC\I
CLK_SYST\I
INT_A\I

R400 5.6K
R401 5.6K
R402 5.6K
R403 5.6K
R404 5.6K
R405 5.6K
R406 5.6K
R408 5.6K

MIX_TEXT
TEXT_LEVEL
RESET
XO_T
X1_T
X2_T
TDI
TDO
TCK
TMS
TRSTN
SYNCIN
CLKIN
FILT_O_F
SPAR_O_F
SCL12C
SCL
SDA
MOSI
MISO
SSN
SCK
INTN
OUT_TRI
VHE_TEST

ANA_POWER
SYNCOUT
SKINDET

OUT ANALOG DITHER
D_OUTR
D_OUTG
D_OUTB
D_REFH
D_REFL
D_RBIAS

BLACK SHADING
B_OUTR
B_OUTG
B_OUTB
B_REFH
B_REFL
B_RBIAS

SAWTOOTH
S_OUT
S_REFH
S_REFL
S_RBIAS

RN\I
GN\I
BN\I
SAWTOOTH\I

R411 8.2K
R412 8.2K
C419 0.1U
C420 0.1U
C421 0.1U
C422 0.1U

VSS DIG BUF 3.3
VSS DIG BUF 3.3/5
VSS DIG CORE 3.3
VSS DIG CLK BUF 3.3
VSSA OUT ANA DITHER
VSSA BL SHA
VSSA S/H
ANAL GND

Z430
ASICB1600

ASIC B

VDD
VSS

R_CHANNEL(9..0)\I
G_CHANNEL(9..0)\I
B_CHANNEL(9..0)\I

VIDOUTDISN
VHEOUTEN

CLK_OUT\I
CLK_DAC\I
INT_B\I

R430 5.6K
R431 5.6K
R432 5.6K
R433 8.2K

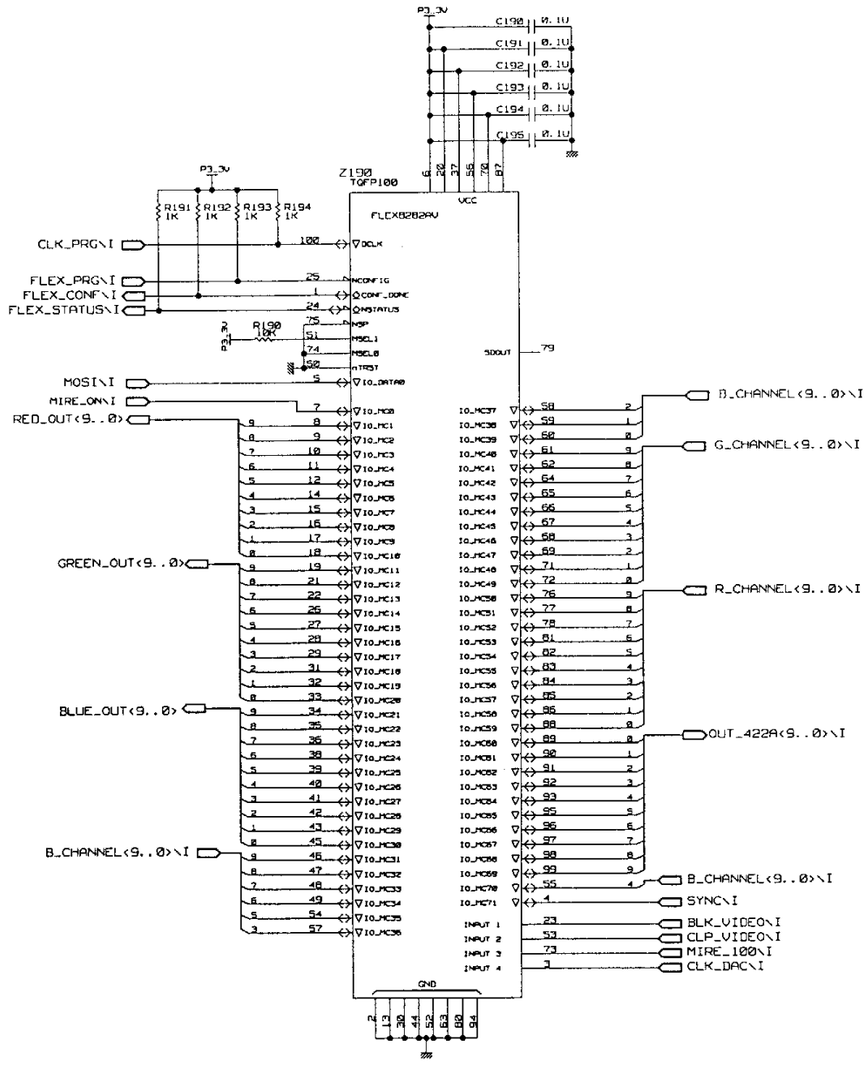
C438 0.1U
C439 0.1U
C440 0.1U

Z440
74F1255

Y\I
CR\I
CB\I

SCK\I
CS_ASIC_B\I
CS_ASIC_A\I
MISO\I
MOSI\I

						CAMERA
SD64M 4/8	TITLE	DIGITAL PROCESS 1 MOTHER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4D150401		030	04/08		



VIDEO OUTPUT

						CAMERA
SD64M 5/8	TITLE DIGITAL PROCESS 1 MOTHER					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4D150401		030	05/08		

FREE

Z300 74HC4316S
(PSVA: 16; GND_A: 8; MSVA: 9)
Z300 74HC4316S
(PSVA: 16; GND_A: 8; MSVA: 9)

Z230 74HC40515
C230 0.1U
C231 0.1U
DIAG_0\I
DIAG_1\I
R230 1K
ENA_DIAG\I
DIAG_OUT\I
RED\I
GREEN\I
BLUE\I
Y\I
OUT_422\I

RED

L240 1.8U
L241 1.8U
R240 75
C240 120P
C246 100P
C241 270P
C242 120P
R242 75
C243 20P
R243 1K
C244 0.1U
Z240 CLC405S
R244 820
C245 0.1U
R245 200
LEVEL ADJUST
C300 0.1U
C301 0.1U

Z300 74HC4316S
SETUP_CDE\I
(PSVA: 16; GND_A: 8; MSVA: 9)
R301 75K
R303 8.66K
R300 3.32K

RED
C250 0.1U
Z250 CLC405S
R250 22.1K
R251 820
R264 10
R252 1.37K
R253 221
R263 150
R255 0
R256 121
C251 0.1U
R261 0
R257 4.3K
R258 107
R259 1K
R260 10
R262 332
CR\I

Z210 LM285S
Z200 TQFP48
C201 0.1U
C202 0.1U
C203 0.1U
C200 0.1U
C204 0.1U
R222 560
BLANK_DAC\I
CLK_DAC\I
BLUE_OUT<9..0>
GREEN_OUT<9..0>
RED_OUT<9..0>
ADV7122
VREF
PS_ADJUST
SYNC=
BLANK=
CLOCK
COMP
VAA
GND
IOR
IOG
IOB

GREEN

L270 1.8U
L271 1.8U
R270 75
C270 120P
C276 100P
C271 270P
C272 120P
R272 75
C275 20P
R273 1K
C273 0.1U
Z270 CLC405S
R274 820
C274 0.1U
R275 200
LEVEL ADJUST

GREEN
Z300 74HC4316S
SETUP_NTSC\I
(PSVA: 16; GND_A: 8; MSVA: 9)
R304 16.5K
R305 221
R306 150
R200 464
R281 6.2K
R282 3.4K
R291 200
R285 17.4K
SYNC_OUT\I
R316 10K
R286 2.49K
R287 13
R289 1K
C280 0.1U
Z280 CLC405S
R288 14.7K
R290 1K
C281 0.1U

BLUE

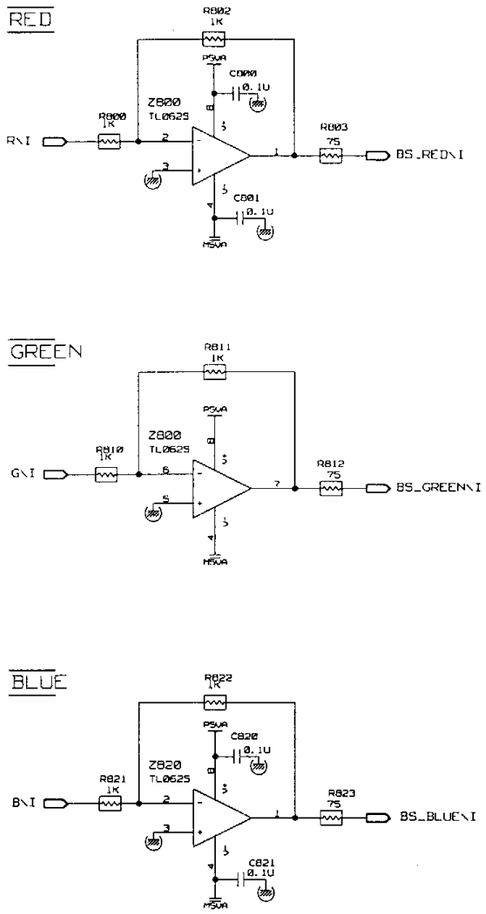
L310 1.8U
L311 1.8U
R310 75
C310 120P
C316 100P
C311 270P
C312 120P
R312 75
C313 20P
R313 1K
C314 0.1U
Z310 CLC405S
R314 820
C315 0.1U
R315 200
LEVEL ADJUST

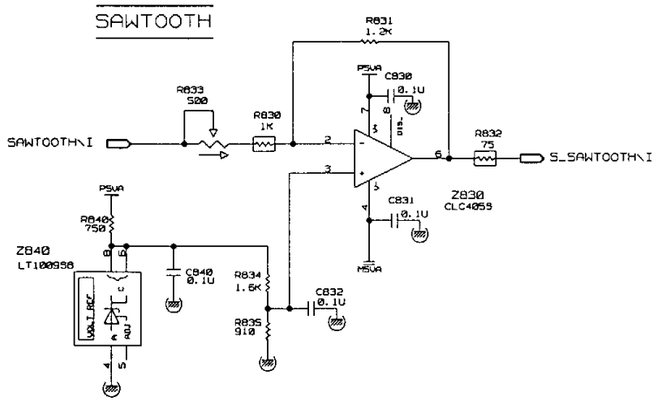
BLUE
R330 1K
R331 0
R332 332
C320 0.1U
Z320 CLC405S
R320 5.62K
R333 100
R322 11K
R321 10
R325 1.37K
R326 221
C321 0.1U
R327 150
R328 0
R329 121
CB\I

RESISTOR RR0603 5%
RESISTOR RR0603D 0.5%

VIDEO OUTPUT

					CAMERA
SD64M 6/8	TITLE: DIGITAL PROCESS 1 MOTHER				
THOMSON	DRAWING NO: 4D150401	REV	CODE: 030	SHEET: 06/08	BLOCK



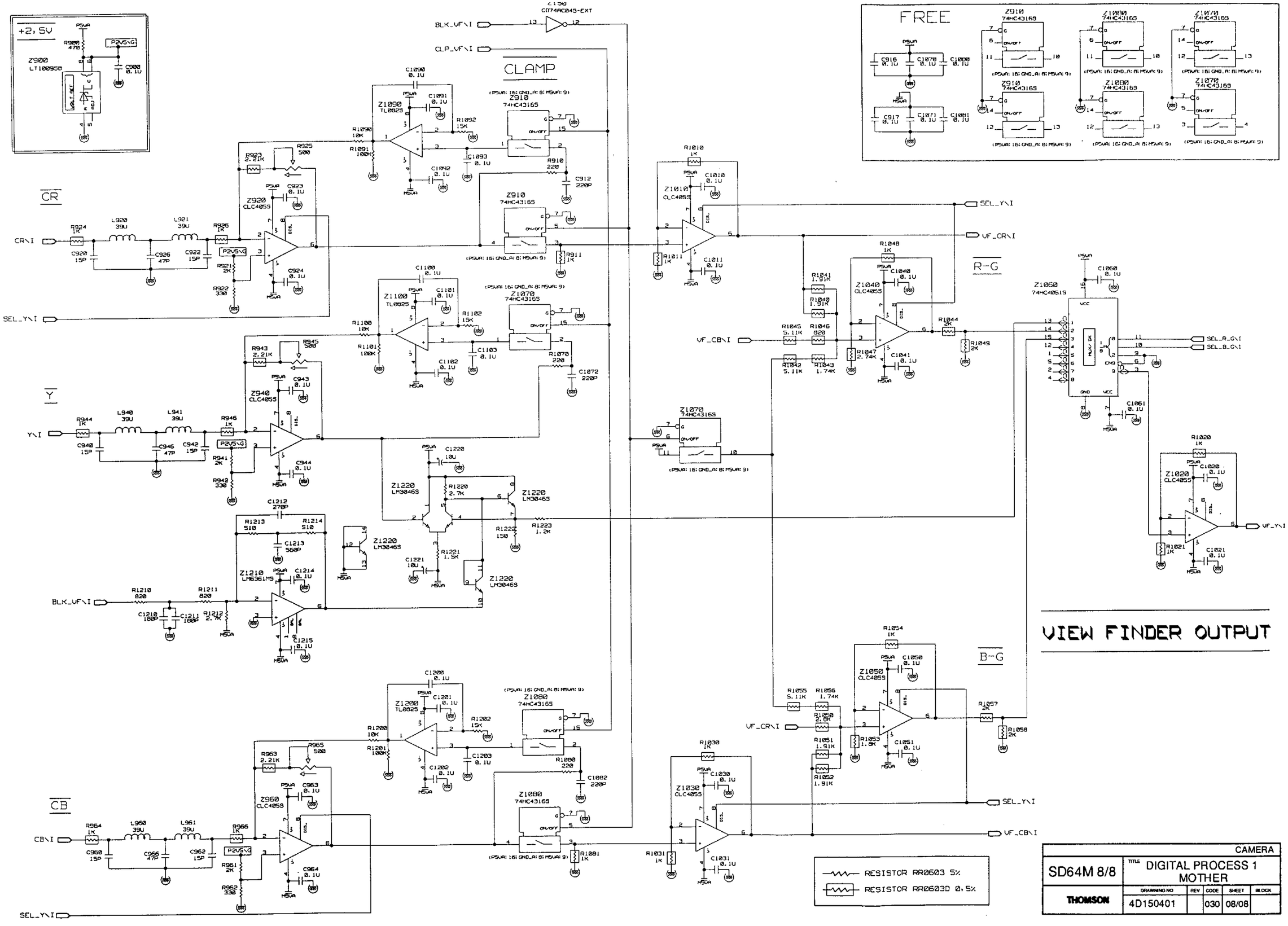


BLACK SHADING AND SAWTOOTH OUTPUT

RESISTOR RR0603 5%

RESISTOR RR0603D 0.5%

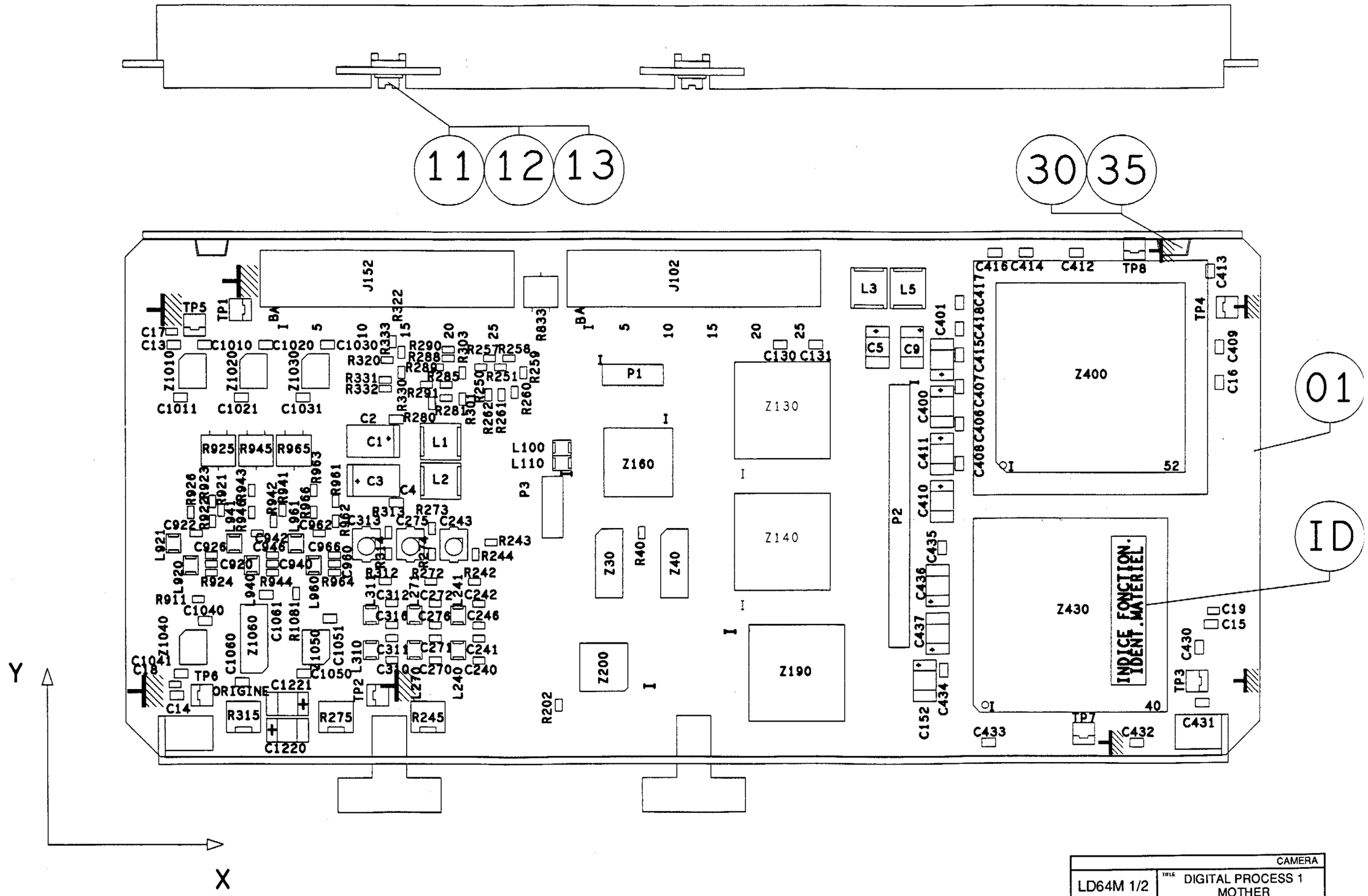
						CAMERA
SD64M 7/8	TITLE DIGITAL PROCESS 1 MOTHER					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4D150401		030	07/08		



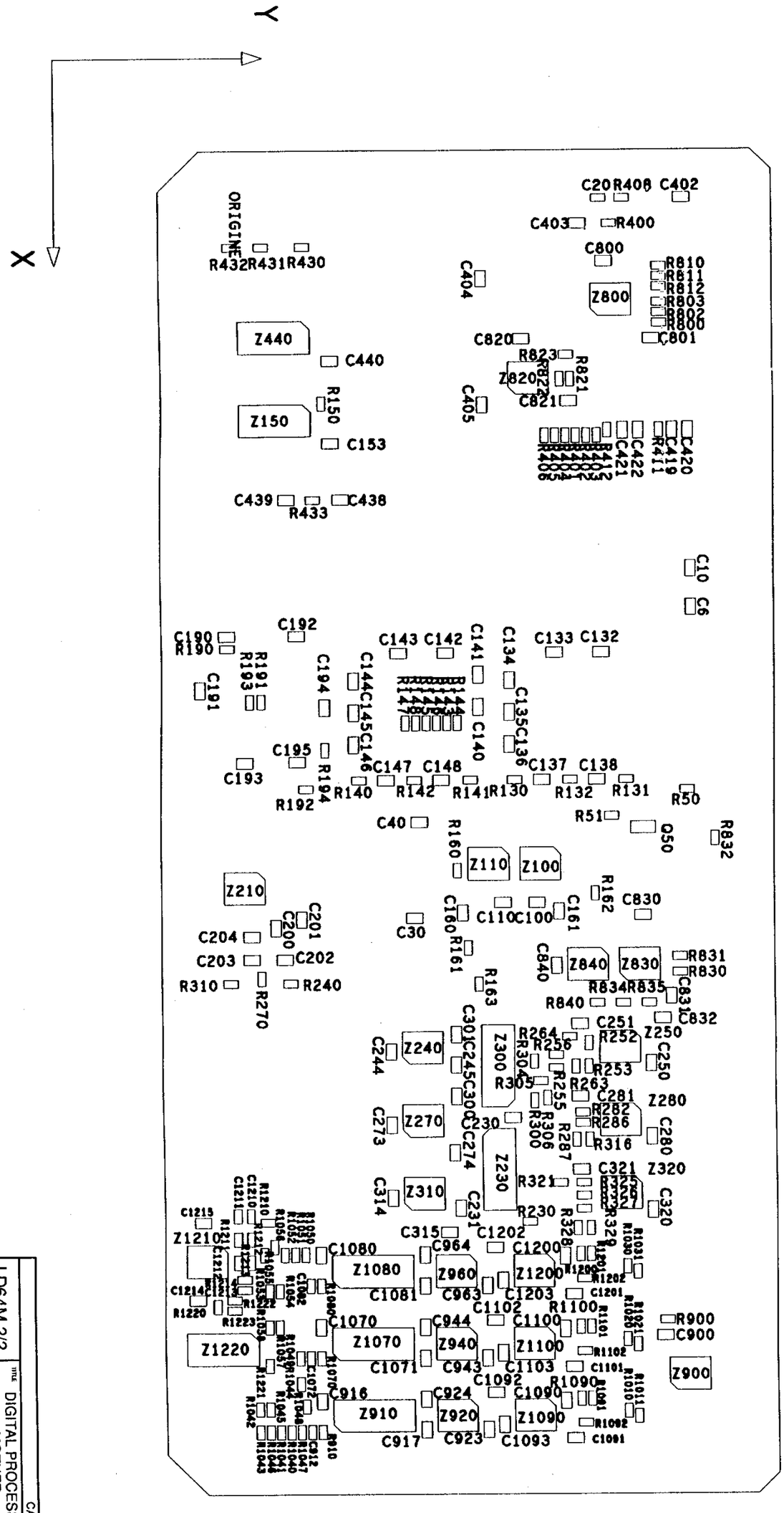
VIEW FINDER OUTPUT

RESISTOR RR0603 5%
RESISTOR RR0603D 0.5%

	CAMERA				
SD64M 8/8	TITLE: DIGITAL PROCESS 1 MOTHER				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	4D150401		030	08/08	

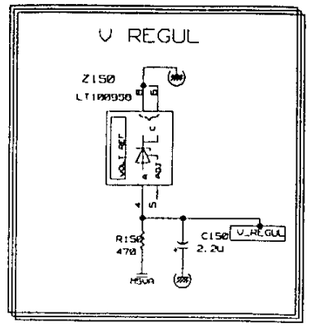


						CAMERA
LD64M 1/2	TITLE	DIGITAL PROCESS 1 MOTHER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4D150401		046	01/02		

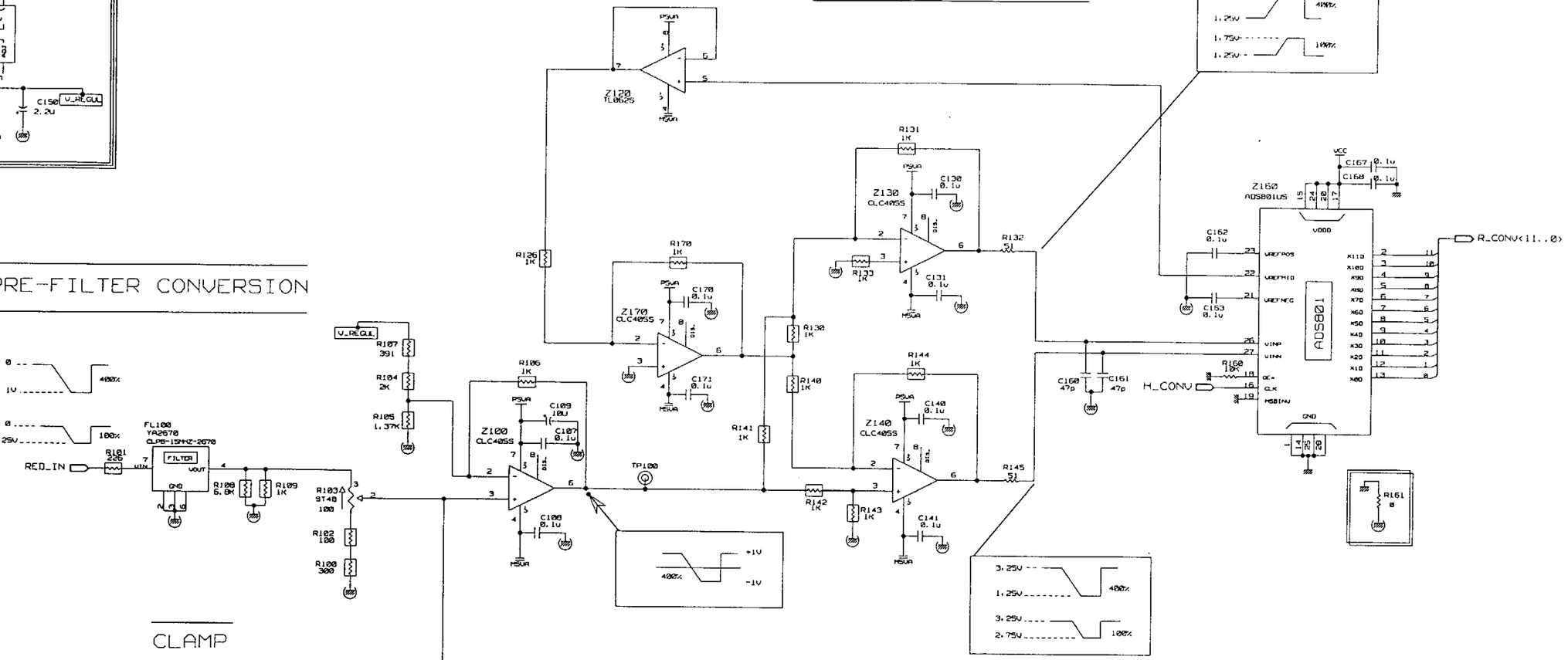


THOMSON			CAMERA
	LD64M 2/2	TITLE	DIGITAL PROCESS 1 MOTHER
		DRAWING NO	4D150401
		REV	
		CODE	046
		SHEET	02/02
		BLOCK	

V REGUL

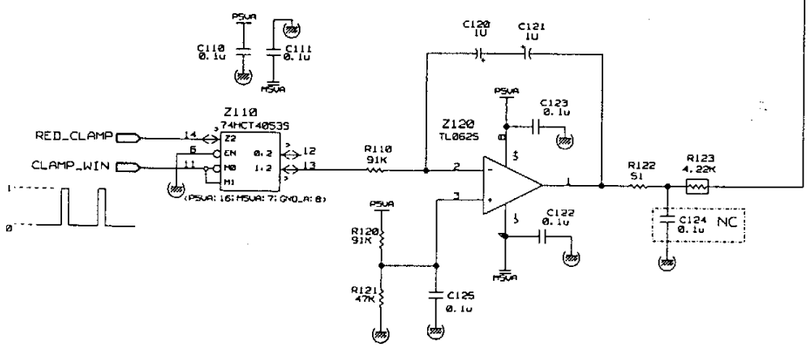


12 BITS CONVERSION



PRE-FILTER CONVERSION

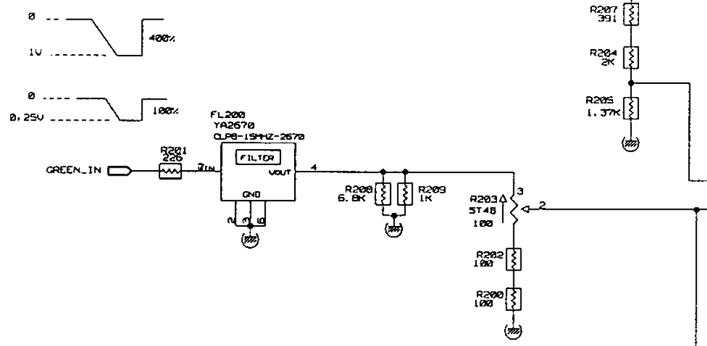
CLAMP



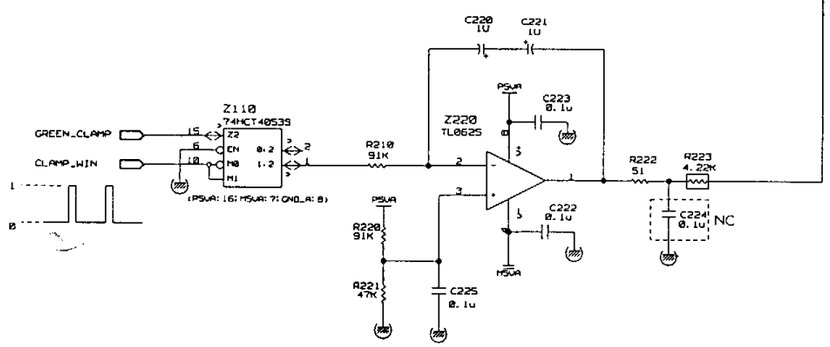
ANALOG / DIGITAL CONVERSION
CHANNEL RED

						CAMERA
SD64D 1/3	TITLE	DIGITAL PROCESS 1 DAUGHTER				
		DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON		4A150615		030	01/03	

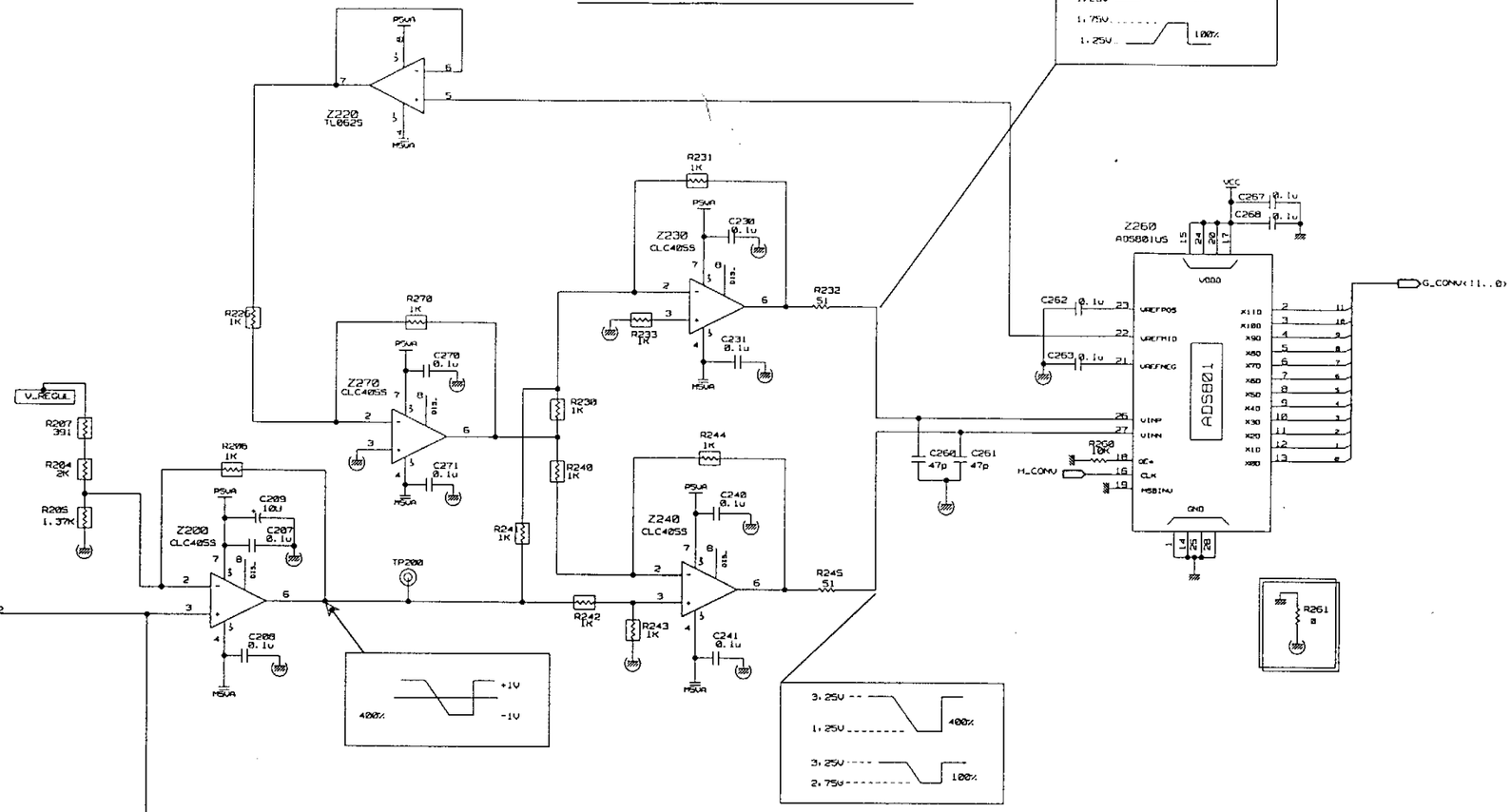
PRE-FILTER CONVERSION



CLAMP



12 BITS CONVERSION

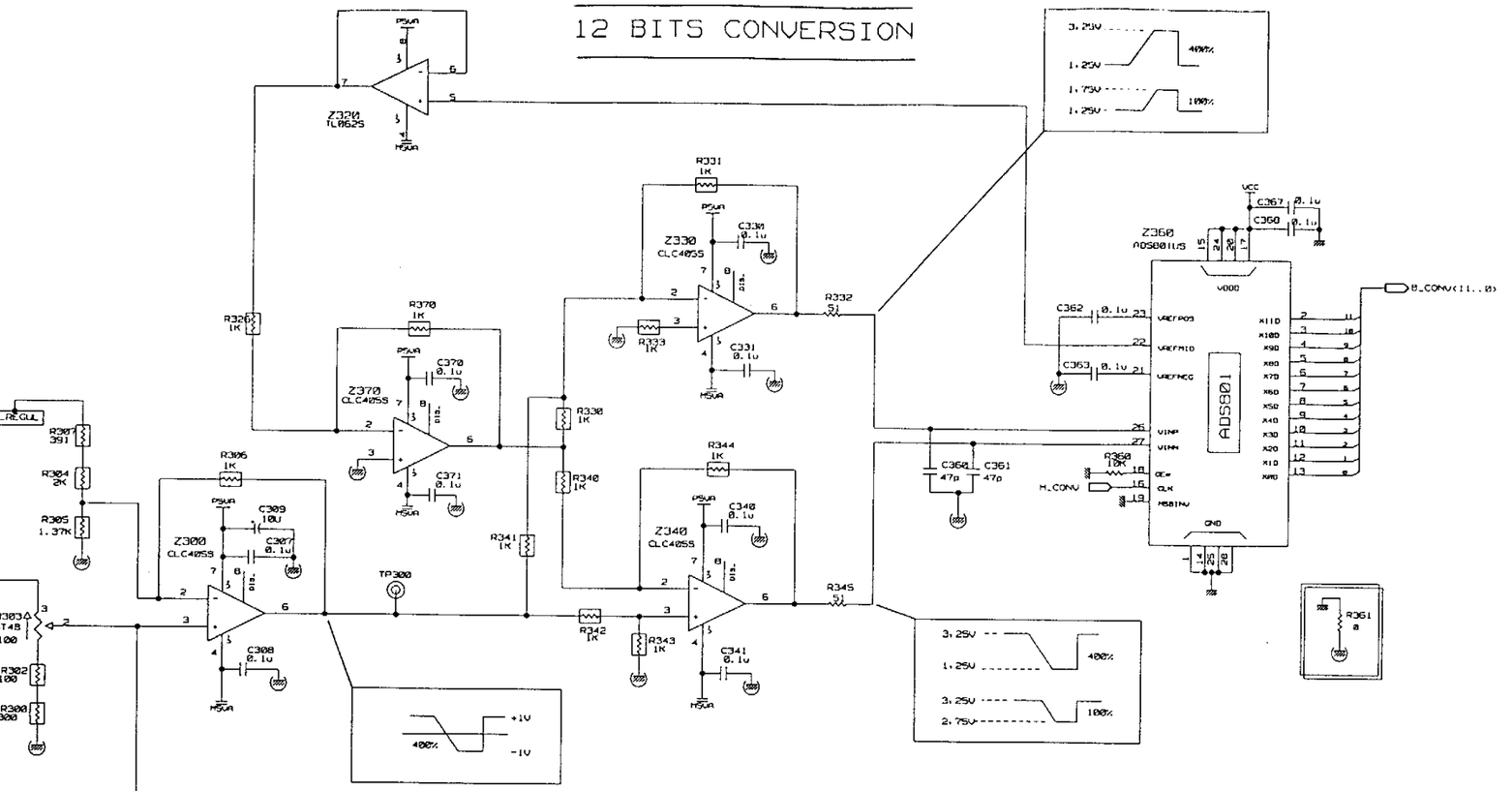


ANALOG / DIGITAL CONVERSION

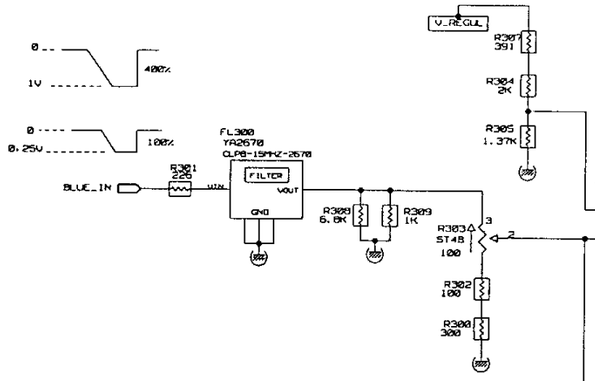
CHANNEL GREEN

						CAMERA
SD64D 2/3	TITLE	DIGITAL PROCESS 1 DAUGHTER				
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	4A150615		030	02/03		

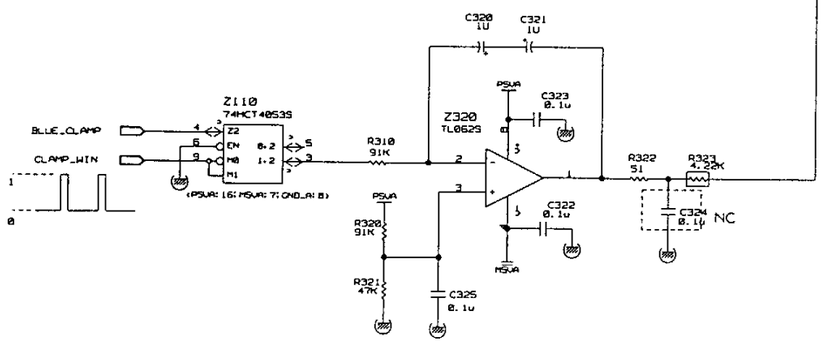
12 BITS CONVERSION



PRE-FILTER CONVERSION

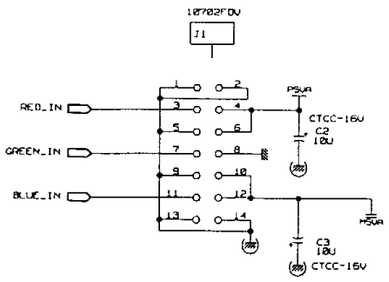


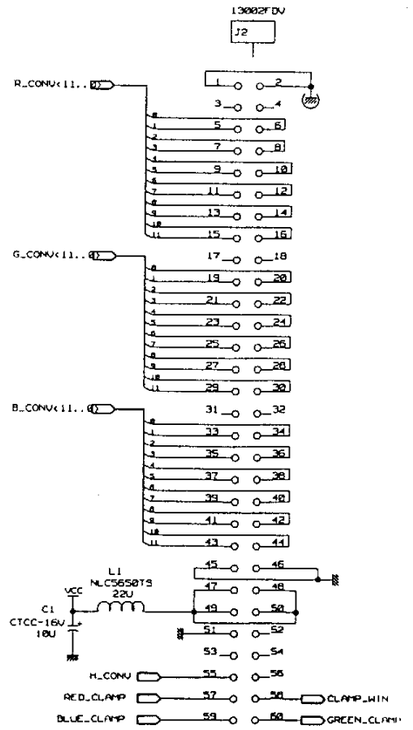
CLAMP



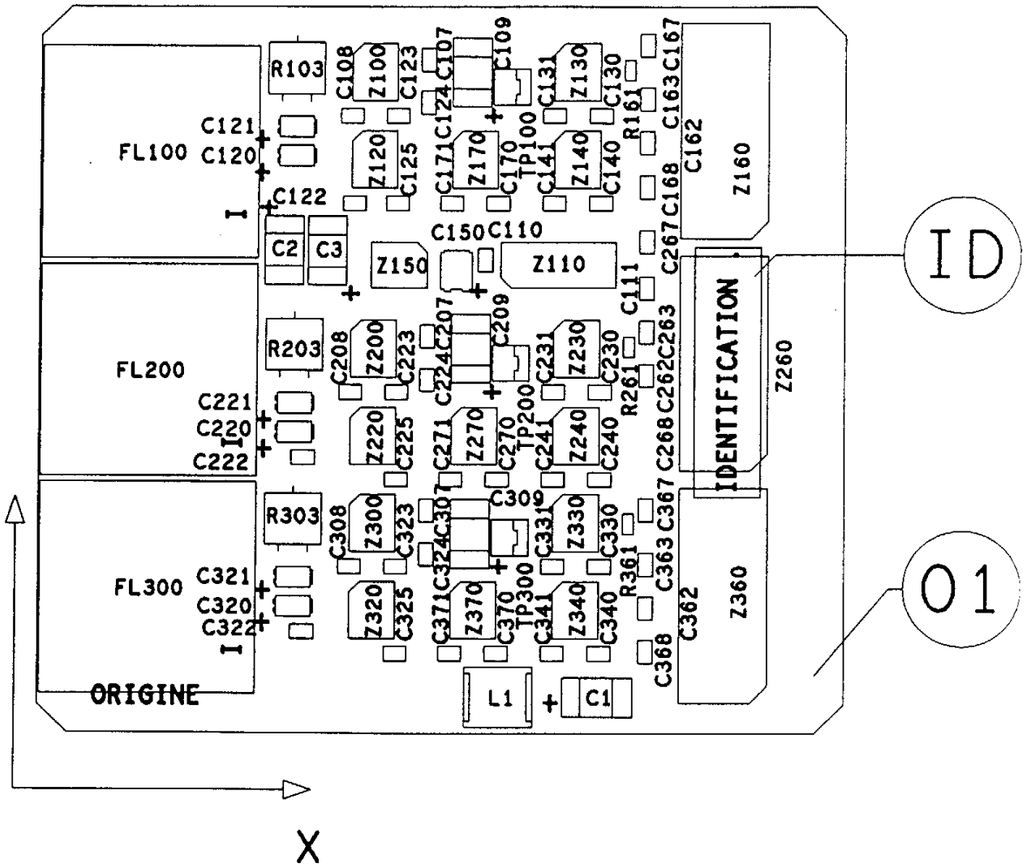
ANALOG / DIGITAL CONVERSION

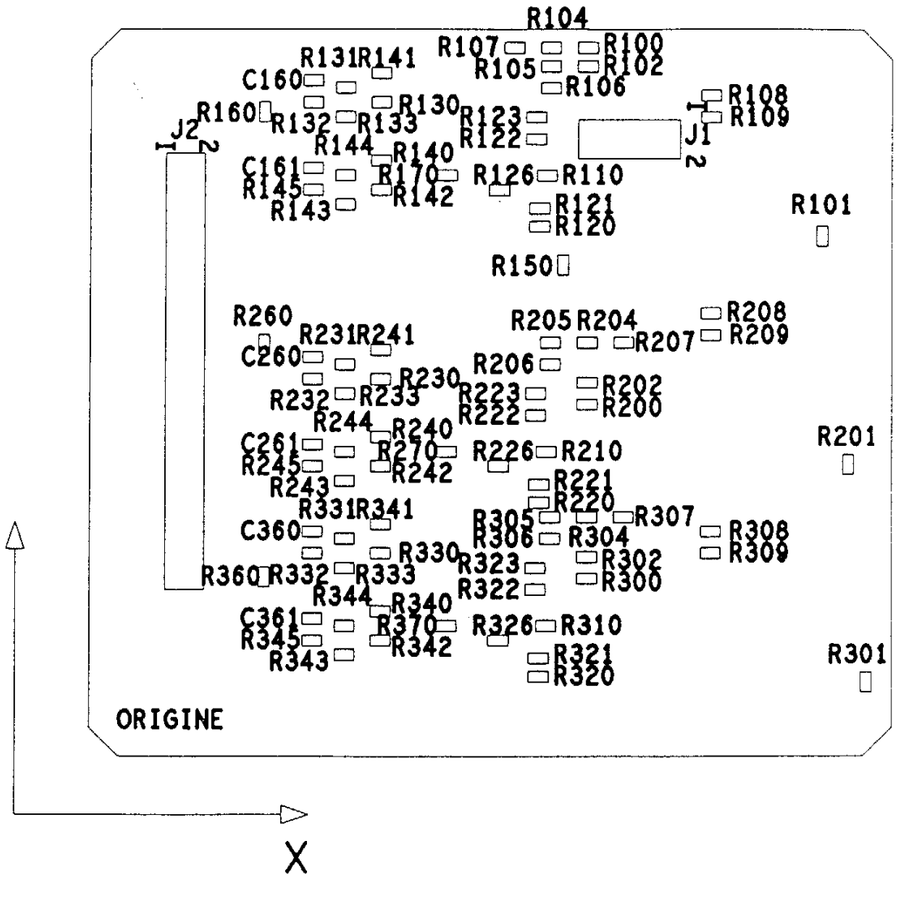
CHANNEL BLUE





						CAMERA
SD64D 3/3	TITLE	DIGITAL PROCESS 1 DAUGHTER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4A150615		030	03/03		





						CAMERA
LD64D 1/1	TITLE DIGITAL PROCESS 1 DAUGHTER					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	4A150615		046	01/01		

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SYNCHRO GENERATOR

4/4 GL_CAM

ASSH (EFP) B12

PHASE_H_GL

2/4 PHASE_S/C_GL

INT. S/C

NC

DH2

DEMI_LIGNE_0

2/4 VR2 RESET_FL/2

FH (4Fsc)

FPGA

VERTICAL

FREE

SD65 1/4	TITLE: PAL ENCODER	CAMERA
THOMSON	DRAWNING NO: 4A150402	REV:	CODE: 030	SHEET: 01/04	BLOCK:

SCHEMATIC NAME: codeur.sch SHEET NUMBER: 1 DATE: Sep 10, 1996

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GEN-LOCK

SYNC. EXTRACTION

3e FIELD EXTRACTION

SC. EXTRACTION

SC. PHASE COMPARATOR

FREE

		CAMERA
SD65 2/4	TITLE	PAL ENCODER
THOMSON	DRAWNING NO	4A150402
	REV	
	CODE	030
	SHEET	02/04
	BLOCK	

SCHEMATIC NAME: codeur.sch SHEET NUMBER: 2 DATE: Sep 10, 1996

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ENCODER

FREE

POWER SAVE

	CAMERA	
SD65 3/4	TITLE: PAL ENCODER	
THOMSON	DRAWING NO: 4A150402	REV: · CODE: 030 SHEET: 03/04 BLOCK: ·

SCHEMATIC NAME: codeur.sch SHEET NUMBER: 3 DATE: Sep 10, 1996

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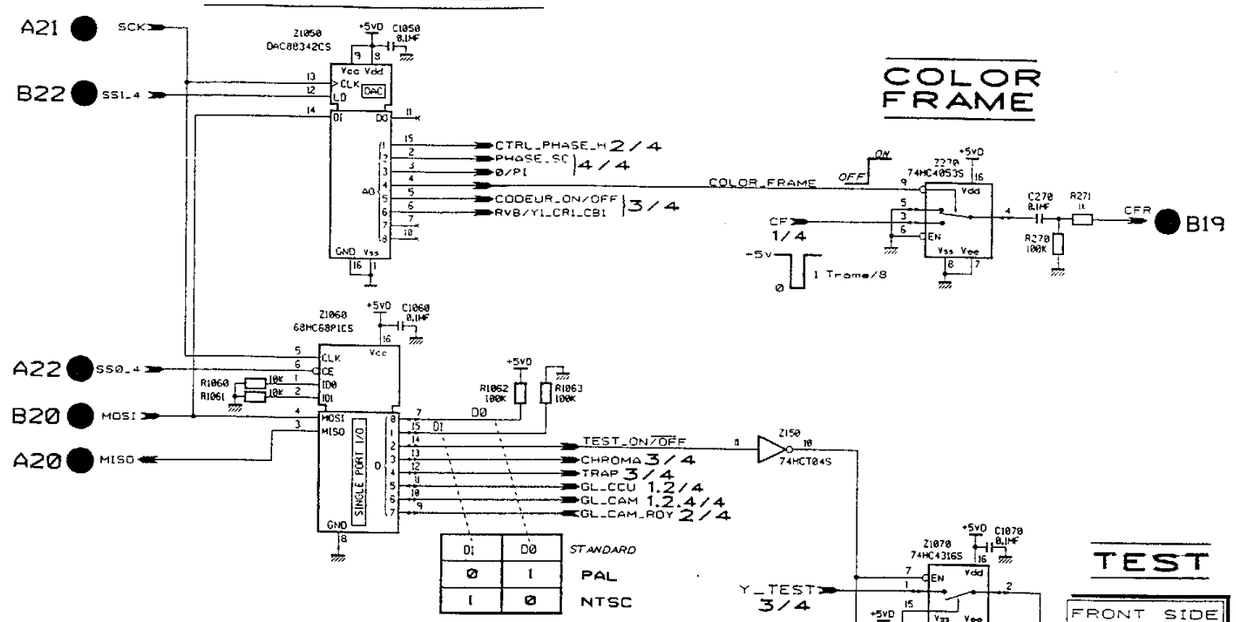
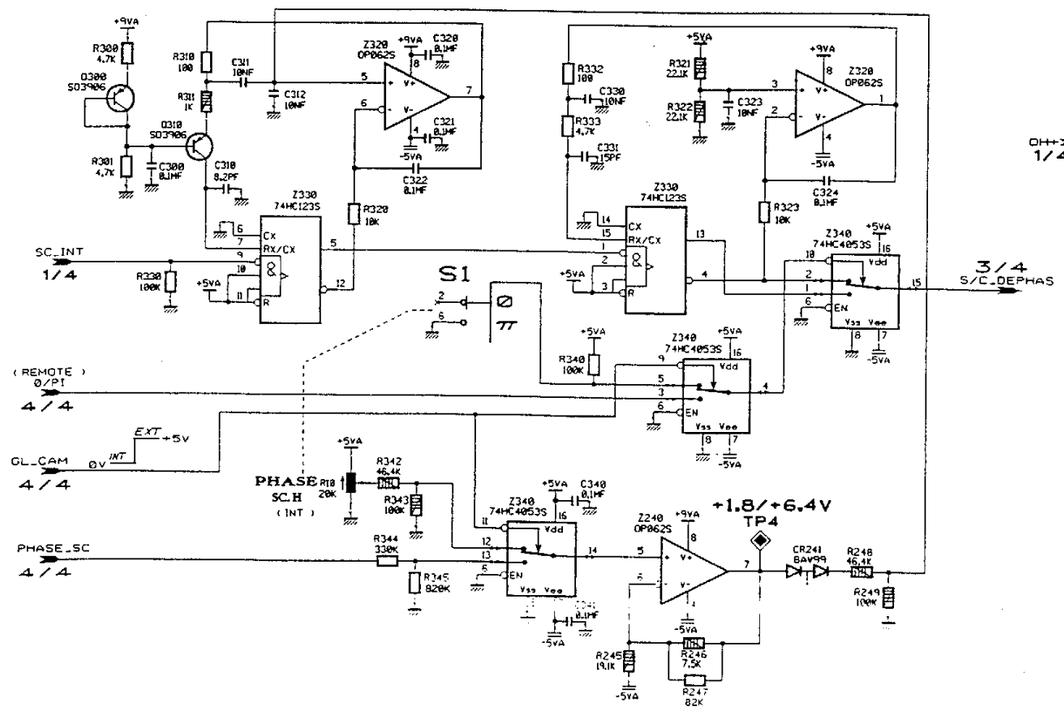
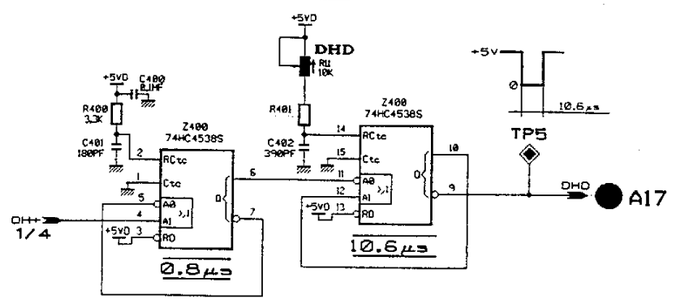
D/A CONVERT



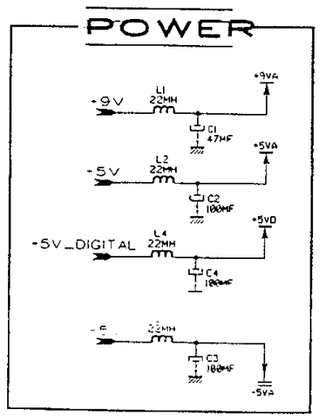
S/C DEPHASING



DHD

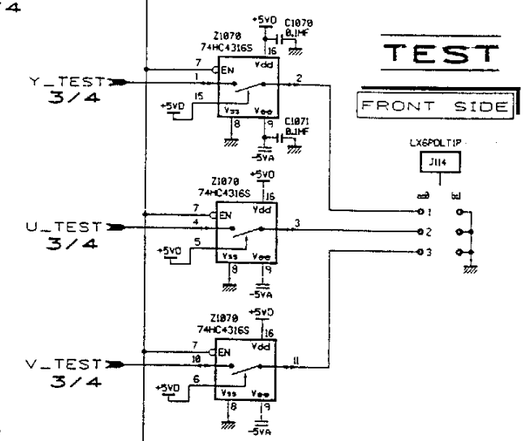


POWER

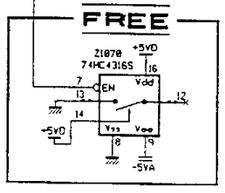


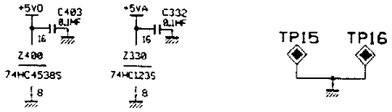
TEST

FRONT SIDE



FREE



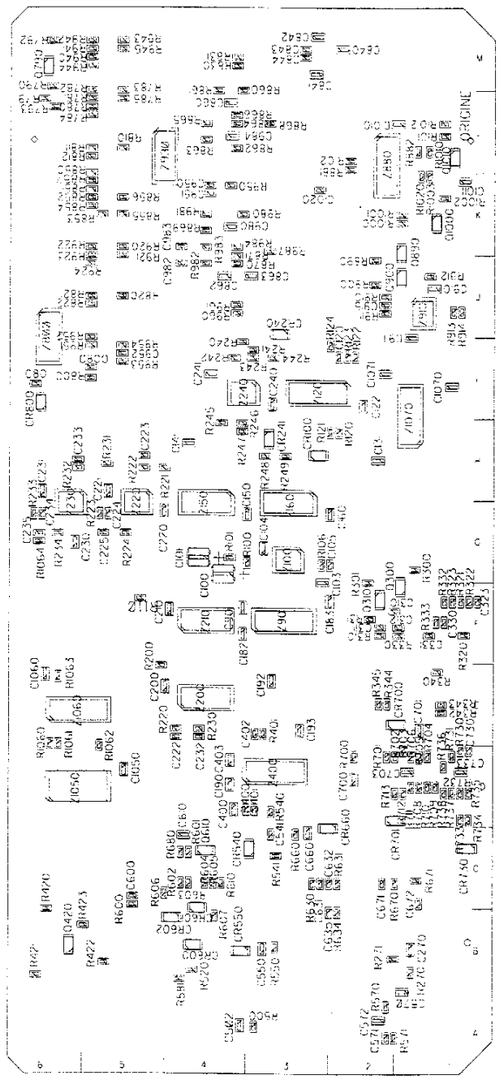


RR0603D 0.5% - 1/10W

SD65 4/4	TITLE: PAL ENCODER				CAMERA
THOMSON	DRAWING NO: 4A150402	REV	CODE: 030	SHEET: 04/04	BLOCK

SCHEMATIC NAME: codeur.sch SHEET NUMBER: 4 DATE: Sep 10, 1996

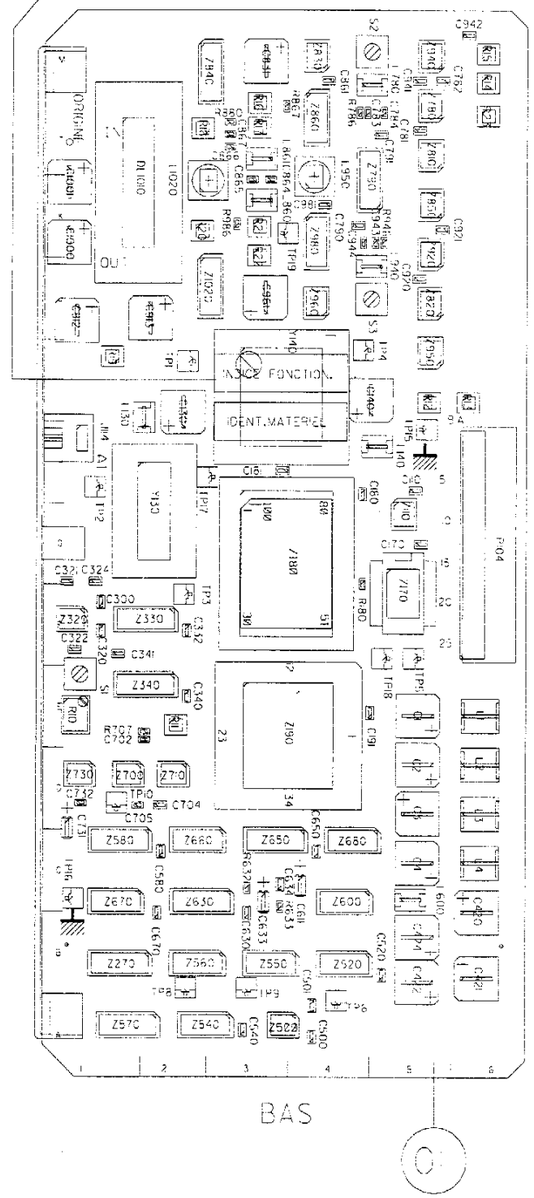
HAUT



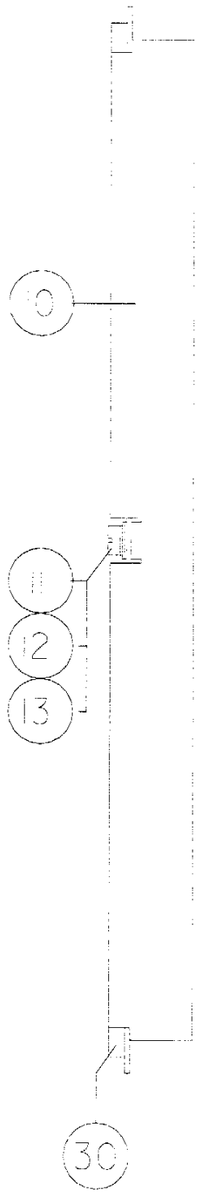
BAS

IF IM

HAUT



BAS



DETROMPAGE

						CAMERA
LD65 1/1	TITLE: PAL ENCODER					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4A150402		046	01/01		

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SYNCHRO GENERATOR

INT. S/C

FREE

P9VA = ANALOG +9V
P5VA = ANALOG +5V
M5VA = ANALOG -5V
VCC = DIGIT +5V
= DIGIT GND

RESISTOR
RR0603D
1/16W . 0.5%

THOMSON	CAMERA				
SD65N 1/4	TITLE: NTSC ENCODER				
	DRAWING NO: 46150418	REV	CODE: 030	SHEET: 01/04	BLOCK

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GEN-LOCK

SYNC. EXTRACTION

SC. EXTRACTION

SC. PHASE COMPARATOR

HORIZ.
SYNC. V
Clock Z180
EXT +5V
INT
TP6
TP8
TP9
TP10
GL_CAM_RDY
GL_CCU
ON +5V
OFF
CTRL_PHASE.H
SC_INT
PHASE_M_CL
PHASE_SC_CL
VR
RAZV
4,7 µS
14 µS
110 µS
4 µS
4,5V
+2,5V
0,5V
0V
+5V

FREE

Z270 74HC4053S
Z520 74HC00S
Z660 CD74HC02S
Z710 TL062S

P9VA = ANALOG +9V
P5VA = ANALOG +5V
M5VA = ANALOG -5V
VCC = DIGIT +5V
= DIGIT GND

RESISTOR
RR0603
1/16W . 0.5%

CAMERA					
SD65N 2/4	TITLE: NTSC ENCODER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150418		030	02/04	

ENCODER

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BF
BURST
STOP
QUAD BURST
R15 AMPL BURST
A7 B_CBL
A5 G_YL
A6 R_CRL
CR
CB
SC_DEPHAS
SYNC
Blk.out
11_Z210
RVB_YL_CRL_CBL
RVB
YL_CRL_CBL
OFFSET I
OFFSET Q
QUAD
GAIN CHROMA
GAIN Y
GAIN Q
TRAP 3.58 MHz
SYNC_VIR
B10
B5
B6
B13
A13
CLP_OUT
POWER SAVE
CODE1A_ON_OFF
CHRTRAP

P9VA = ANALOG +9V
P5VA = ANALOG +5V
M5VA = ANALOG -5V
VCC = DIGIT +5V
⏚ = DIGIT GND

FREE

SD65N 3/4	TITLE: NTSC ENCODER				CAMERA
THOMSON	DRAWING NO: 46150418	REV	CODE: 030	SHEET: 03/04	BLOCK

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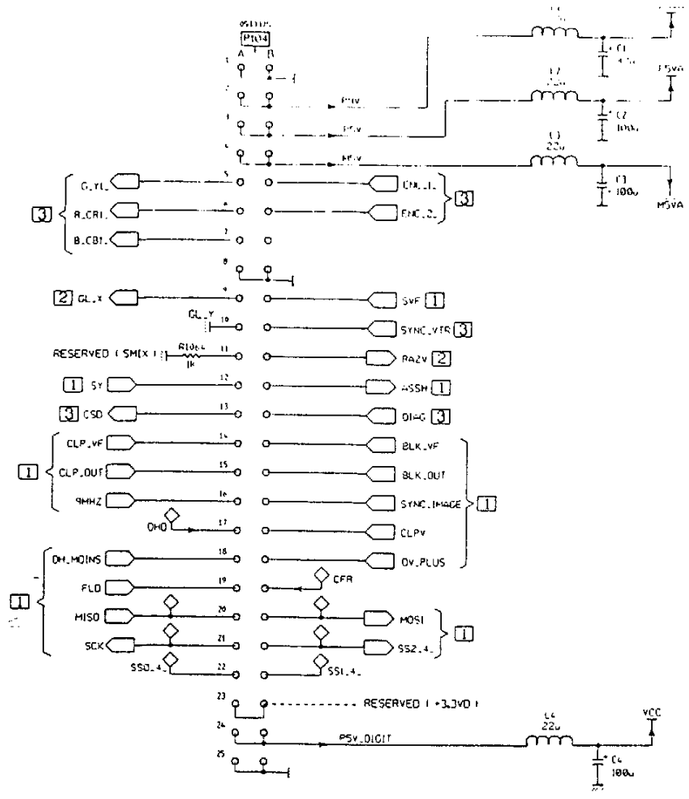
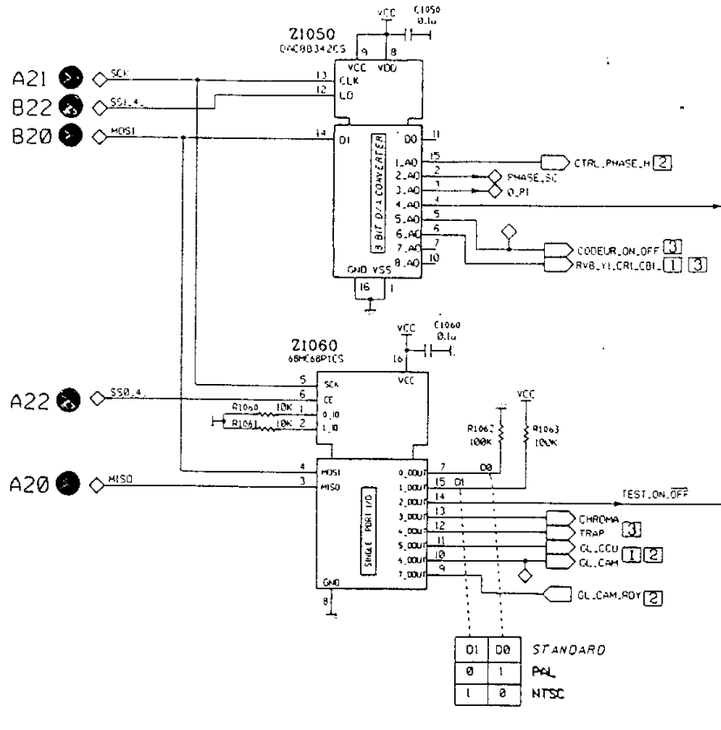
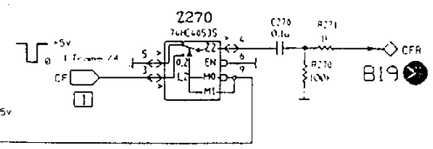
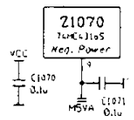


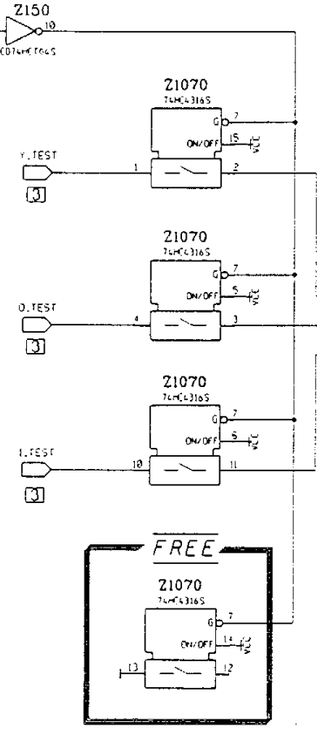
D/A CONVERT



COLOR FRAME



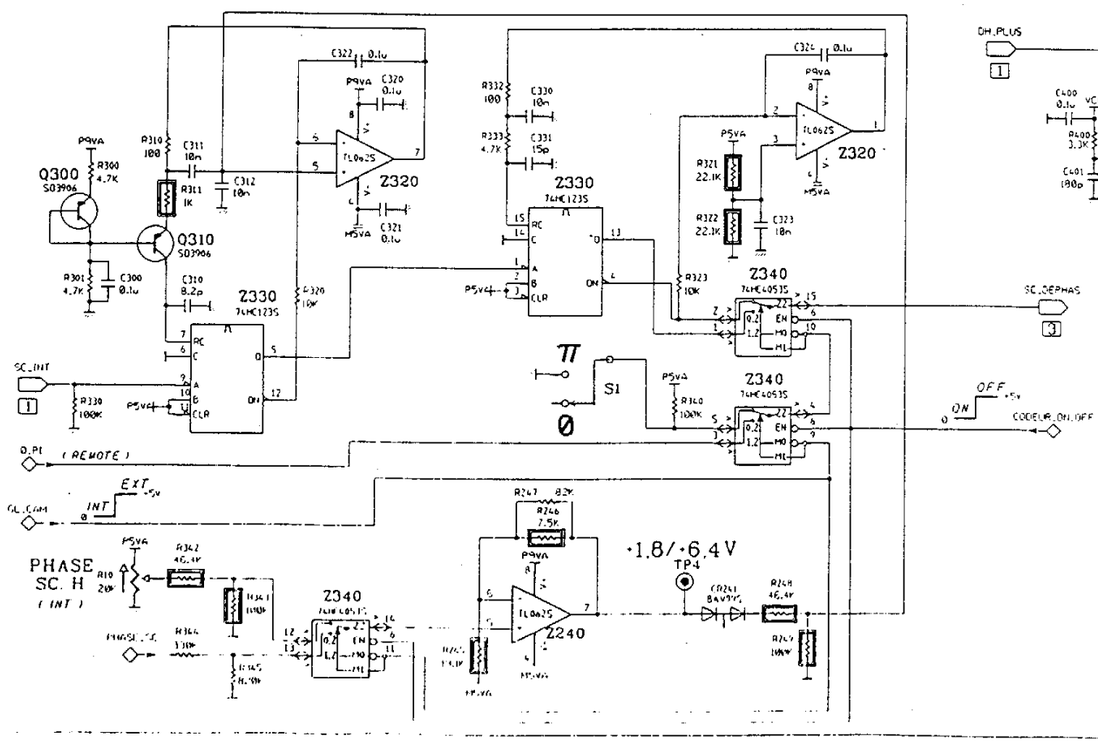




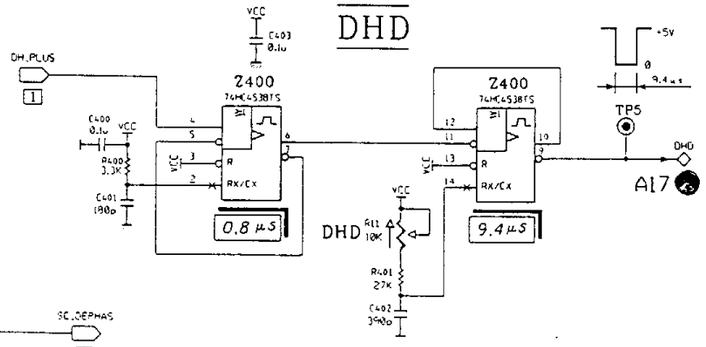
TEST

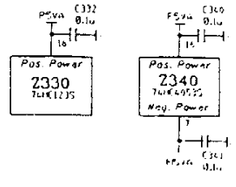
FRONT SIDE

S/C DEPHASING



DHD

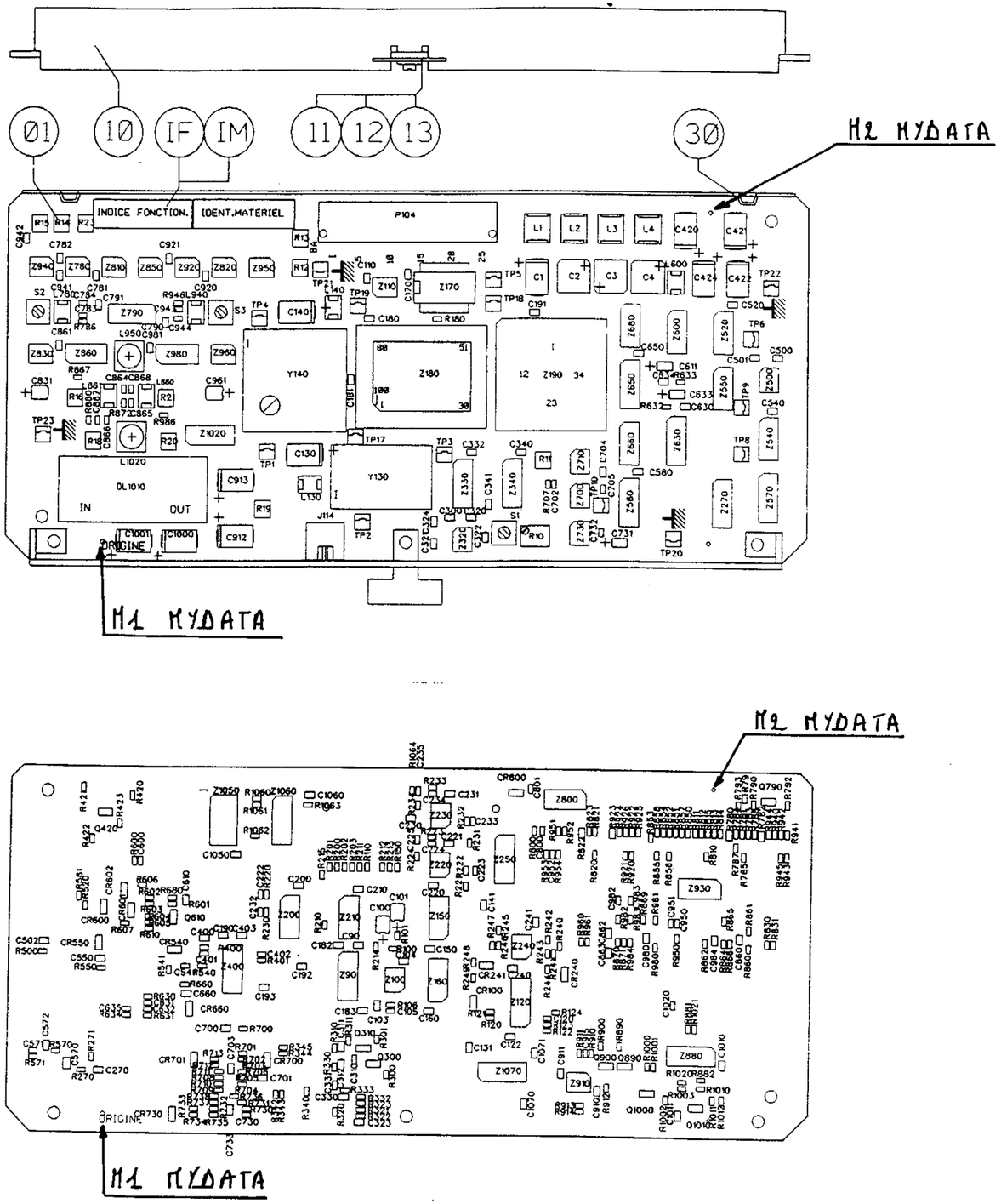




P9VA = ANALOG +9V
P5VA = ANALOG +5V
M5VA = ANALOG -5V
VCC = DIGIT +5V
⏚ = DIGIT GND

RESISTOR
RR06030
1/16W ; 0.5%

SD65N 4/4	TITLE: NTSC ENCODER		CAMERA
THOMSON	DRAWING NO: 46150418	REV	CODE: 030 / SHEET: 04/04 / BLOCK



						CAMERA
LD65N 1/1	TITLE NTSC ENCODER					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150418		046	01/01		

SYNCHRO GENERATOR

INT. S/C

FREE

					CAMERA
SD65 V2 1/4	TITLE: PAL 1 ENCODER				
THOMSON	DRAWING NO: 46150639	REV	CODE: 030	SHEET: 01/04	BLOCK

GEN-LOCK

SYNC. EXTRACTION

3e FIELD EXTRACTION

SC. EXTRACTION

SC. PHASE COMPARATOR

FREE

					CAMERA
SD65 V2 2/4	TITLE	PAL 1 ENCODER			
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150639		030	02/04	

ENCODER

FREE

START

STOP

BURST

QUAD BURST

AMPL BURST

OFFSET V

OFFSET U

GAIN CHROMA

GAIN Y

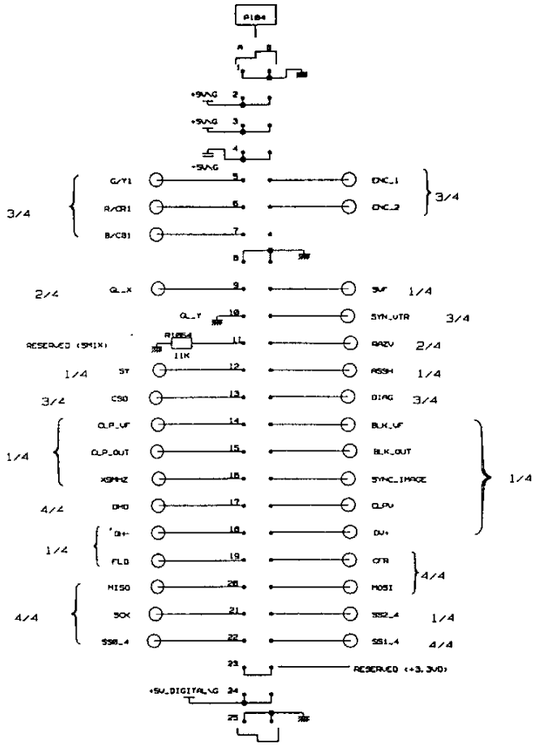
GAIN U

QUAD

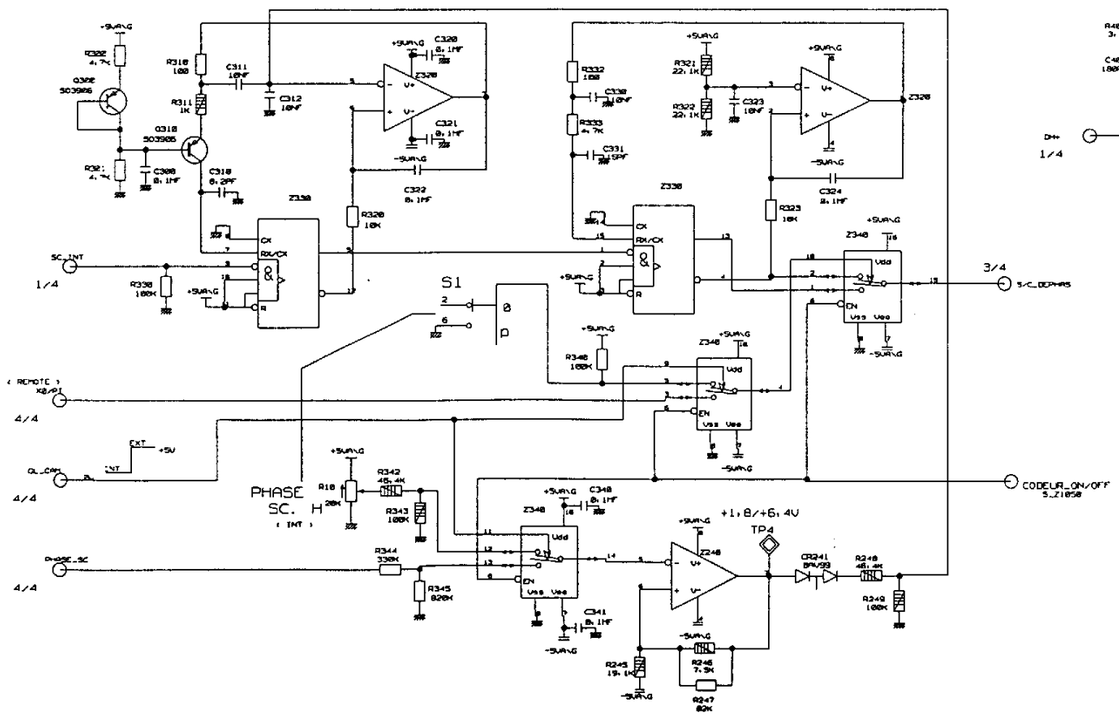
TRAP 4.43MHz

POWER SAVE

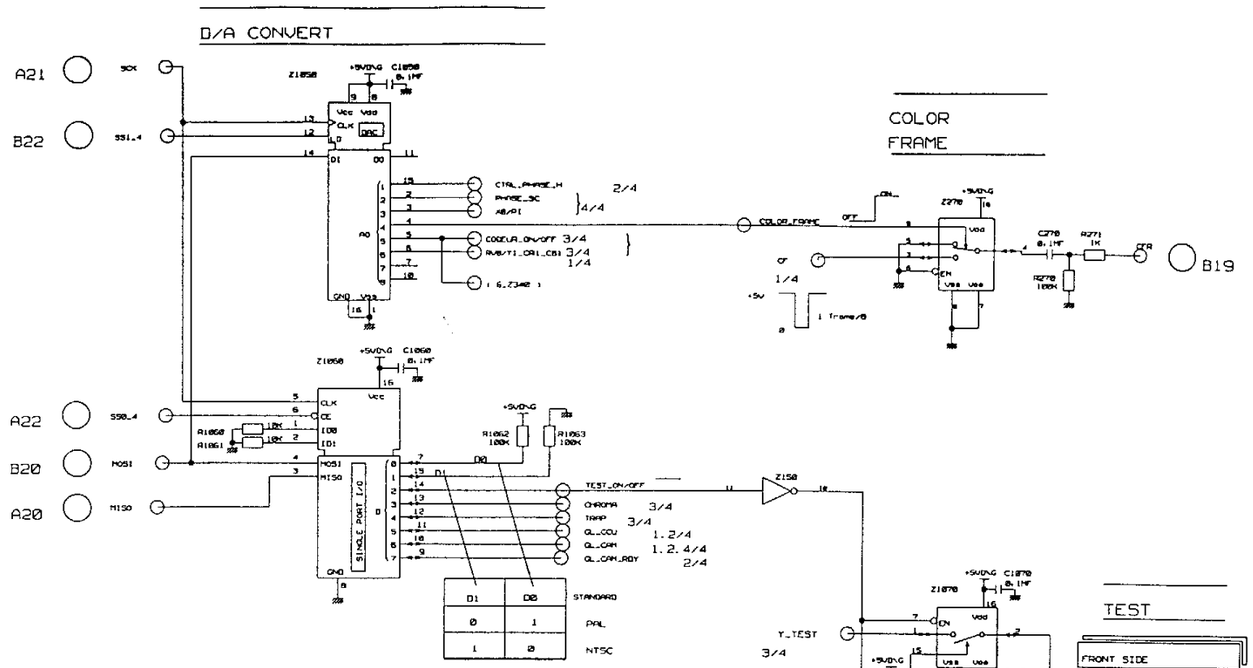
		CAMERA
SD65 V2 3/4	TITLE	PAL 1 ENCODER
THOMSON	DRAWING NO	46150639
	REV	
	CODE	030
	SHEET	03/04
	BLOCK	



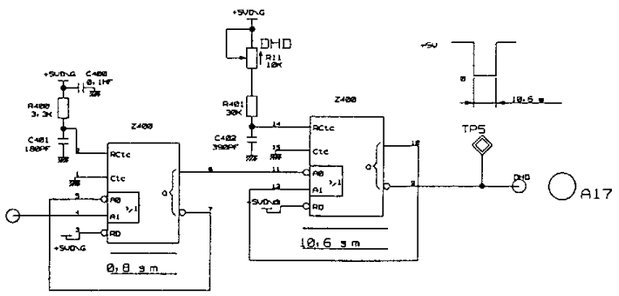
S/C DEPHASING



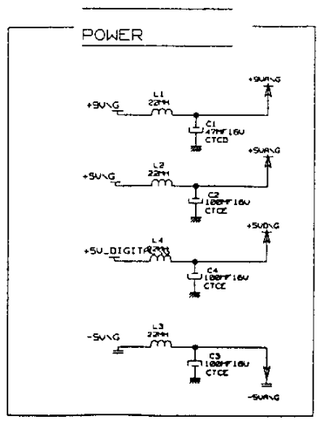
D/A CONVERT

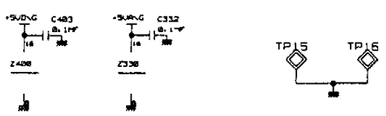


DHD



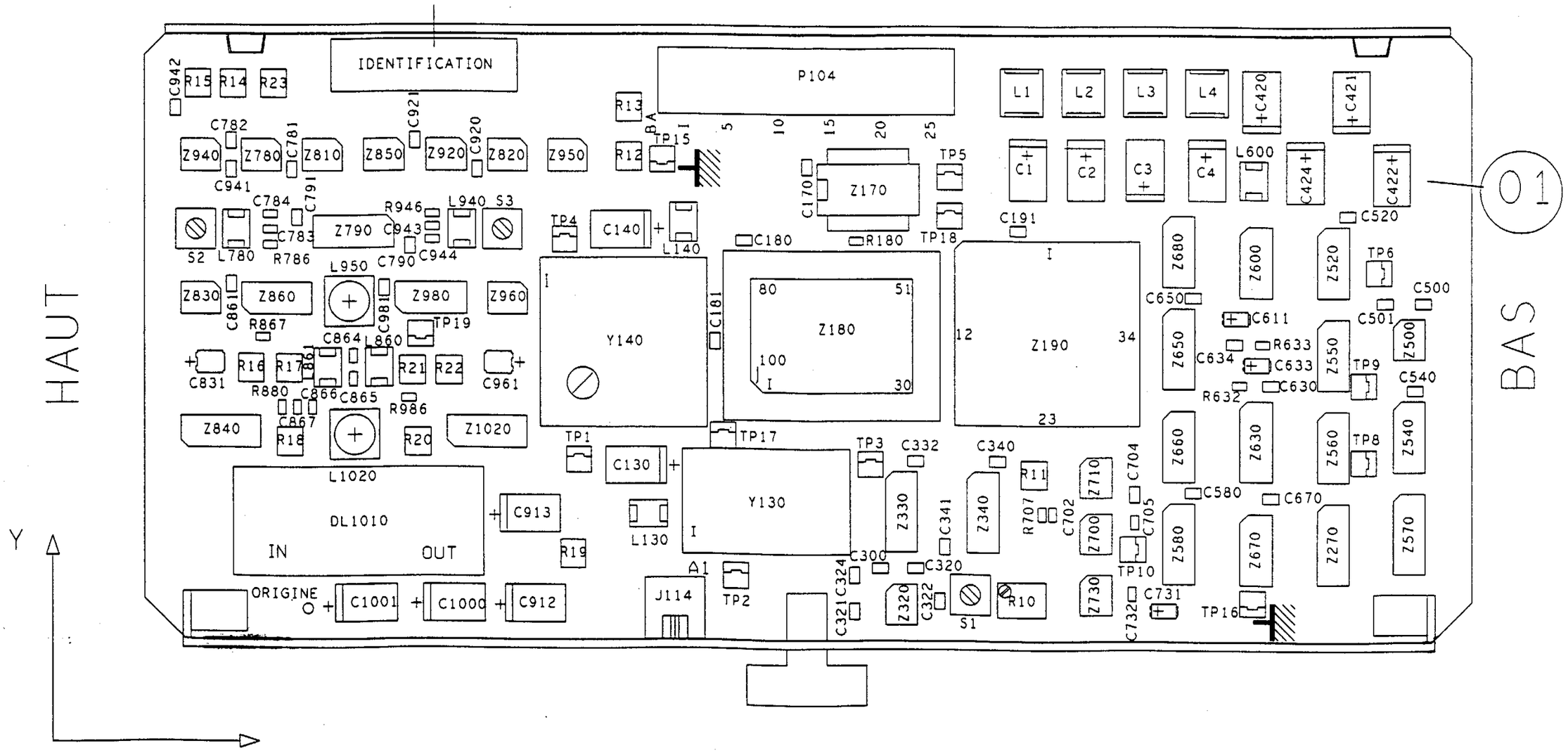
POWER





RM56330 6.3K - 1/16W

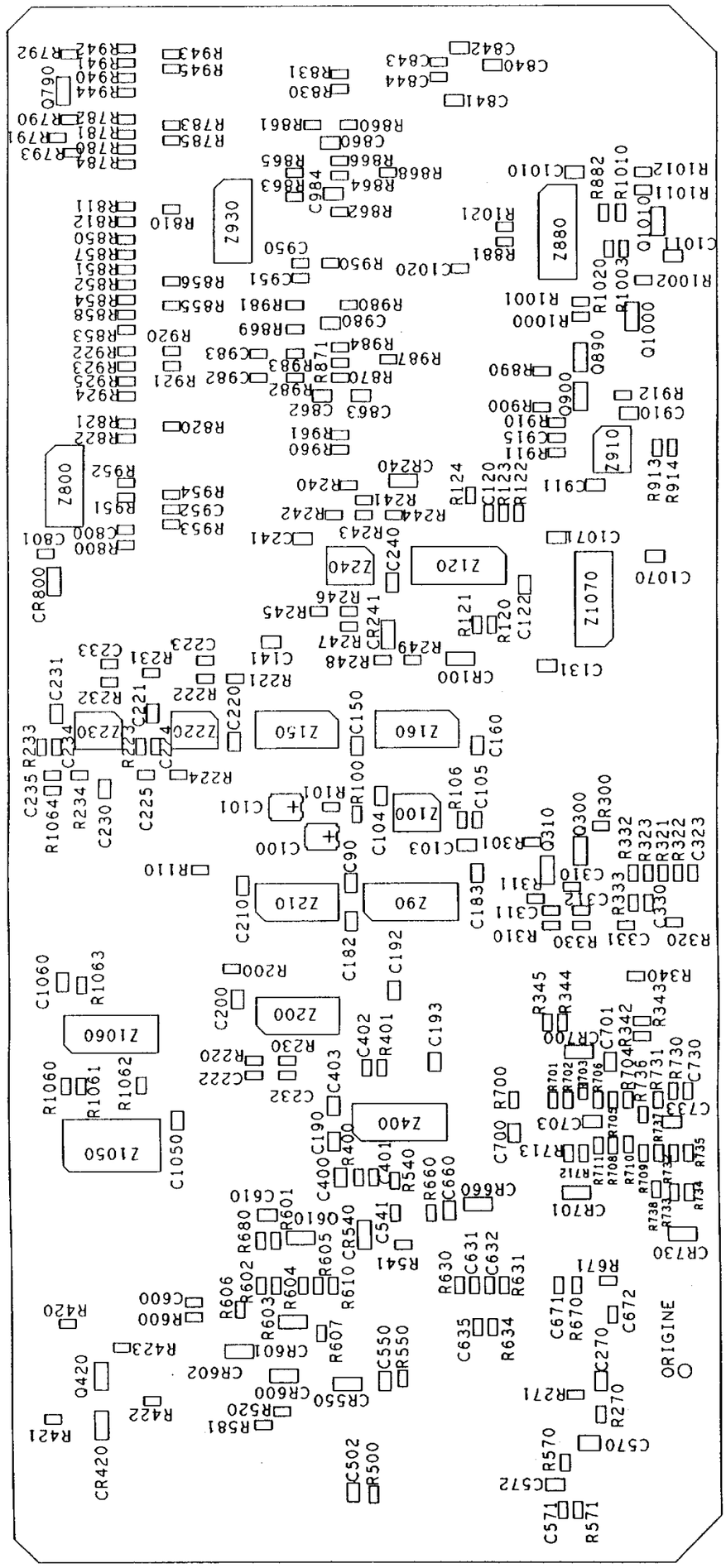
					CAMERA
SD65 V2 4/4	TITLE: PAL 1 ENCODER				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150639		030	04/04	



						CAMERA
LD65 V2 1/2	TITLE PAL 1 ENCODER					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150639		046	01/02		

CAMERA				
TITLE	PAL 1 ENCODER			
LD65 V2 2/2	DRAWING NO	REV	CODE	SHEET
THOMSON	461506639		046	02/02

HAUT



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STATUS

Idc < 1.9 A

C100 1u

R191 2.2K — DC IN — CRL1

R111 2.2K — DC IN ERROR — CRL2

R121 2.2K — OVERLOAD — CRL3

L120 10u

CR110 BAS16

Q120 2N7002S

R110 47K

Q110 2N7002S

R100 100K

Q100 2N7002S

R120 10K

START : VBATT >10,7V
BLOCKING : BATT < 10V

DC IN ERROR

P_12V_BAT

POWER

CR150 MBR0660CS

10,5V------17V
(START : V BATT > 10,7V

CR151 BAS16

R150 1K

R151 47

Q150 BCX54S

CRZ152 BZX84C9V1

16 mA

R164 100K

C160 47u

R162 8.76K

C162 10u

R163 10K

Z160 TLC3391IS

R165 4.7K

R160 23.7K

C161 10n

R161 10K

Z160 TLC3391IS

OVERVOLTAGE
BLOCKING : BATT > 17V

C163 10n

R192 4.7K

C180 10n

R181 3.3K

Q180 BCX17S

R180 3.9K

R193 1.5K

R182 100

R190 5.11K

Q190 SO3904

R191 5.11K

R194 1.8K

R184 220K

M.5Va

P_5V_REF

R183 10K

C212 10u

Z210 TL494IS

PULSE WIDTH MODUL

C210 510p

C211 510p

NC

R217 75K

R210 5.11K

R213 220K

R214 22K

C213 0.1u

R211 5.11K

R212 5.11K

C166 10n

P_9V7_

TP3 +9.7V

CR210 PRLL5819

+9,7V

C214 10n

R215 10K

R1 1K ST3A

R216 3.32K

+9,7V

CHOPPER
F-100KHZ

Q230 BCX19S

C230 10n

R230 47

R231 2.2K

R232 47

Q240 BCX17S

Q250 SMD2SN05S

R250 47

C250 2.2n

TL_1_

TL_3_

C120 470u

R251 0.022

C260 47u

Q260 BCX19S

R260 47

R261 2.2K

R270 47

Q270 BCX17S

Q280 SMD2SN05S

R280 47

C280 2.2n

TL_2_

R171 47

TO TRANSFORMER T1
folio 2/3

Z160 TLC3391IS

R166 17.4K

R167 22.1K

C164 0.1u

R168 10K

C165 0.1u

Z160 TLC3391IS

R169 4.3K

C167 10u

R170 100

TP4
+9V
0 a 48% de t
10 us

10 ms
MONOSTABLE

THRESHOLD OVERLOAD

TP1 TP2

5V LENS

FROM Z690 folio 3/3

CTRL_P5V_LENS

R301 47K

Q300 BCW70C

P_5VA

P_5V_LENS

R301 4,7K

RESISTOR RR0603
RESISTOR RR0603D
RESISTOR RR01206F

THOMSON	CAMERA					
SD66 1/3	TITLE: POWER SUPPLY					
	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	4A150460		030	01/03		

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FROM FOLIO 1/3

FILTERING

REGULATION

VISEUR

STAND BY

T1 TRANSF734068

L1 SELF734067

CR360 10MF2
CR361 10MF2
CR370 MBR0660CS
CR380 MBR0660CS
CR382 MBR0660CS
CR390 MBR0660CS
CR391 MBR0660CS
CR400 MBR0660CS

Z510 SI94300YS
Z520 SI94300YS

Q440 SMU10P05
Q450 SD1904
Q460 ZN7002S
Q470 ZN7002S
Q500 SMU10P05
Q530 SMU10P05
Q540 SMU10P05
Q560 SMU10P05
Q570 SMU10P05
Q590 SMU15N05

Z490 TL082S
Z540 TL082S
Z580 TL082S

CR440 BZX84C15V
CR460 10MF2
CR4 BAS16
CR490 BAS16
CR540 BAS16
CR580 BAS16
CR581 BAS16

R363 24
R364 24
R365 22K
R450 10K
R451 2.2K
R452 1K
R453 2.2K
R460 47K
R461 2.2K
R470 10K
R490 10K
R491 5.11K
R492 2.2K
R493 46.4K
R494 0
R495 3.3K
R496 9.09K
R497 5.11K
R498 0
R499 270K
R500 470K
R540 2.2K
R541 3.32K
R542 5.11K
R543 100K
R544 470K
R560 2.2K
R570 2.2K
R580 4.7K
R581 5.11K
R582 5.11K
R583 0.1u
R584 10K
R585 2.2K
R586 5.11K
R587 5.11K
R588 1K
R2 1K ST3A

C360 470u
C361 2.2n
C362 2.2n
C370 470u
C371 470u
C380 470u
C381 220 470u
C400 470u
C401 22u
C440 220p
C450 470u
C451 1n
C460 22u
C470 10n
C490 220p
C491 4.7u
C492 4.7u
C493 470u
C494 22p
C495 4.7u
C496 470u
C497 22u
C498 22u
C499 10n
C540 22p
C541 4.7u
C542 22u
C543 22u
C544 22u
C560 220p
C580 22p
C581 CTCB-16V 4.7u
C582 10n
C583 0.1u
C586 220p
C587 4.7u
C588 22u
C589 22u
C590 22u

L360 10u
L370 10u
L380 10u
L460 10u
L540 10u
L580 10u

P_9V7_
P_9V1_
P_9V8_
P_9VA
P_3V3A
P_3V3_DIGIT
P_5VA
P_5V_DIGIT
P_5V7_
P_5V_REF
M_5V7_
VCCD_2_
VCCD_1_
VI_
TL1_
TL2_
TL3_
STBY
CRL4
CRL580
ON
-5,05V
TP5
14,5Va

FROM CONNECTOR P105

FROM Z690 foto 3/3

RESISTOR RR0603
RESISTOR RR0603D
RESISTOR RR01206F

THOMSON	CAMERA					
	SD66 2/3	TITLE: POWER SUPPLY				
		DRAWING NO	REV	CODE	SHEET	BLOCK
		4A150460		030	02/03	

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SPI CTRL

Z690 68HC68P1CS

SCK
SS0_5_
MOSI
MISO
P_5V_DIGIT
C690 0.1u
R690 100K
R691 100K
R692 100K
R693 100K
R694 100K
R695 100K
R696 100K
CTRL_P5V_LENS
TO CR300 folio 1/3
V1_
TO folio 2/3

Z700 74HC4052S
Pos. Power 74HC4052S
Ground 74HC4052S
C700 0.1u
R700 39K
R701 2.21K
R702 2.21K
R703 2.21K
R704 2.21K
R705 20K
R706 2.21K
C720 2.2n
R720 33MEG
R721 10K
R722 10K
R723 33MEG
C722 0.1u
C723 0.1u
Z720 TL082S
M_5VA

Z770 74HC4052S
Pos. Power 74HC4052S
Ground 74HC4052S
C770 0.1u
R770 39K
R771 2.21K
R772 2.21K
R773 2.21K
R774 2.21K
R775 20K
R776 2.21K
C724 2.2n
R724 33MEG
R725 10K
R726 10K
R727 33MEG
Z720 TL082S
M_5VA

P_5V7_
C740 0.1u
R740 24
Q740 BCX19S
R741 1.5K
R742 10
R743 0
R750 10
Q750 BCX17S
C750 0.1u
R751 24
M_5V7_

C790 0.1u
R790 24
Q790 BCX19S
R791 1.5K
R792 10
R793 0
R800 10
Q800 BCX17S
C800 0.1u
R801 24
M_5V7_

M1
P1
M2
P2

FILTERS WHEELS

P105 0533375

P_9VA
P_5VA
M_5VA
P_5V_LENS
STBY
P_9V8
VCCD_2_
EN_5_
DIAG
VCCD_1_
P_3V3_DIGIT
MISO
MOSI
SCK
SS0_5_
P_5V_DIGIT

P155 0533375

P_9V1_
P_12V_BAT
P_3V3A

POWER DIAGNOSTIC

Z810 68HC68P1CS

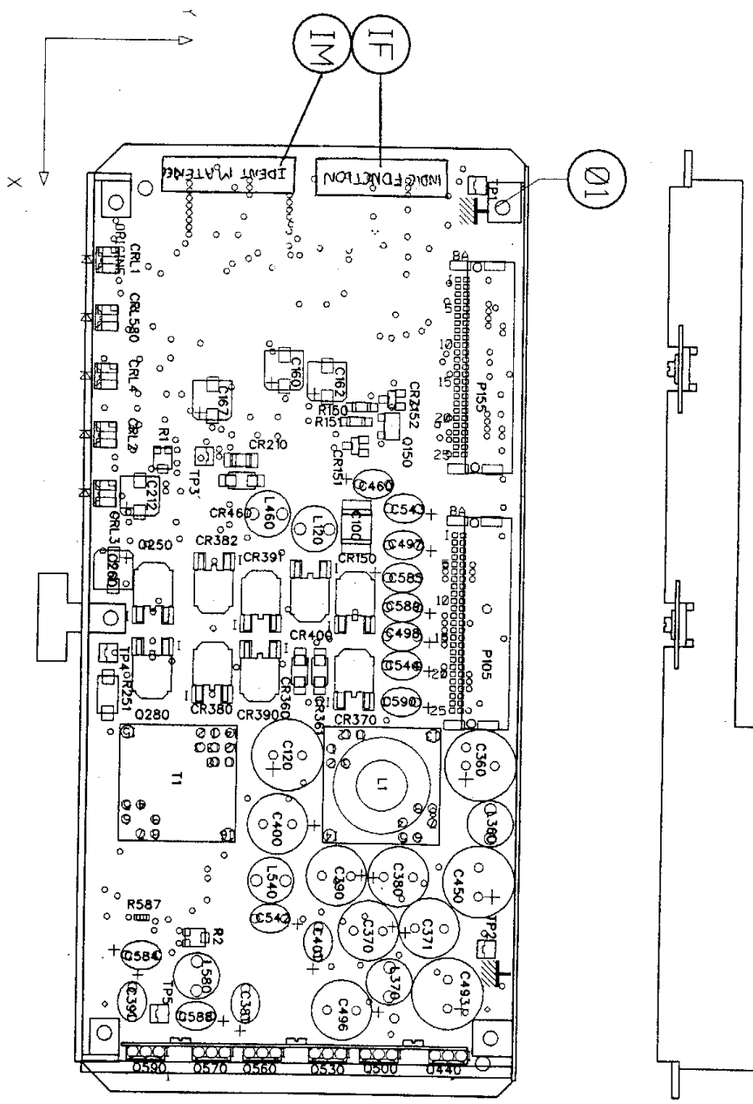
SCK
SS0_5_
P_5V_DIGIT
C810 0.1u
MOSI
MISO
R820 100K
EN_5_
DIAG
R821 1K
TO CONNECTOR P105

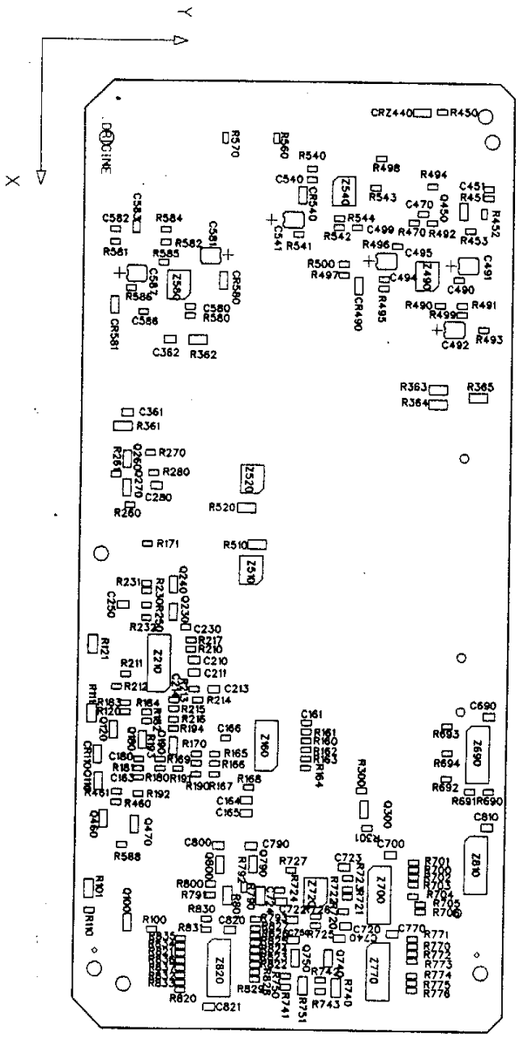
Z820 74HC4051S
C820 0.1u
M_5VA

P_12V_BAT
P_9V8
P_5V_DIGIT
P_5V_LENS
P_3V3_DIGIT
P_9V1_
VCCD_1_
R822 100K
R823 13K
R824 100K
R825 20K
R826 100K
R827 43K
R828 100K
R829 43K
R830 100K
R831 43K
R832 100K
R833 82K
R834 100K
R835 18K
R836 100K
R837 8.2K

RESISTOR RR0603
RESISTOR RR0603D
RESISTOR RR0120SF

						CAMERA
SD66 3/3	TITLE: POWER SUPPLY					
THOMSON	DRAWNING NO: 4A150460	REV	CODE: 030	SHEET: 03/03	BLOCK	





						CAMERA
LD66 1/1	TITLE: POWER SUPPLY					
THOMSON	DRAWING NO: 4A150460	REV	CODE: 046	SHEET: 01/01	BLOCK	

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OVERALL INTERCONNECTION

GND
+5V
MISO
MOSI
SCK
SS0_10
DH
DV

52103081R
J1

TP1 DV
TP2 DH
R8 100
R9 100

Z10 68HC68P1CS
Z20 68HC68P1CS
Z30 68HC68P1CS
CLK
CE
IO0
IO1
MOSI
MISO
SINGLE PORT I/O
GND
Vcc
C10 10nF
C20 10nF
C30 10nF

8 × 100K
R10 R11 R12 R13 R14 R15 R16 R17
R20 R21 R22 R23 R24 R25 R26 R27
6 × 100K
R30 R31 R32 R33 R34 R35

STORE
RECALL
VIDEO
CHR_OFF
MENU
UP
DOWN
LEFT
RIGHT

STORE S1
RECALL S2
VIDEO S3
CLS S4
MENU S15
+ S16
− S17
UP S18
LEFT S19
S20
DOWN S21
0 S5
1 S6
2 S7
3 S8
4 S9
5 S10
6 S11
7 S12
8 S13
9 S14

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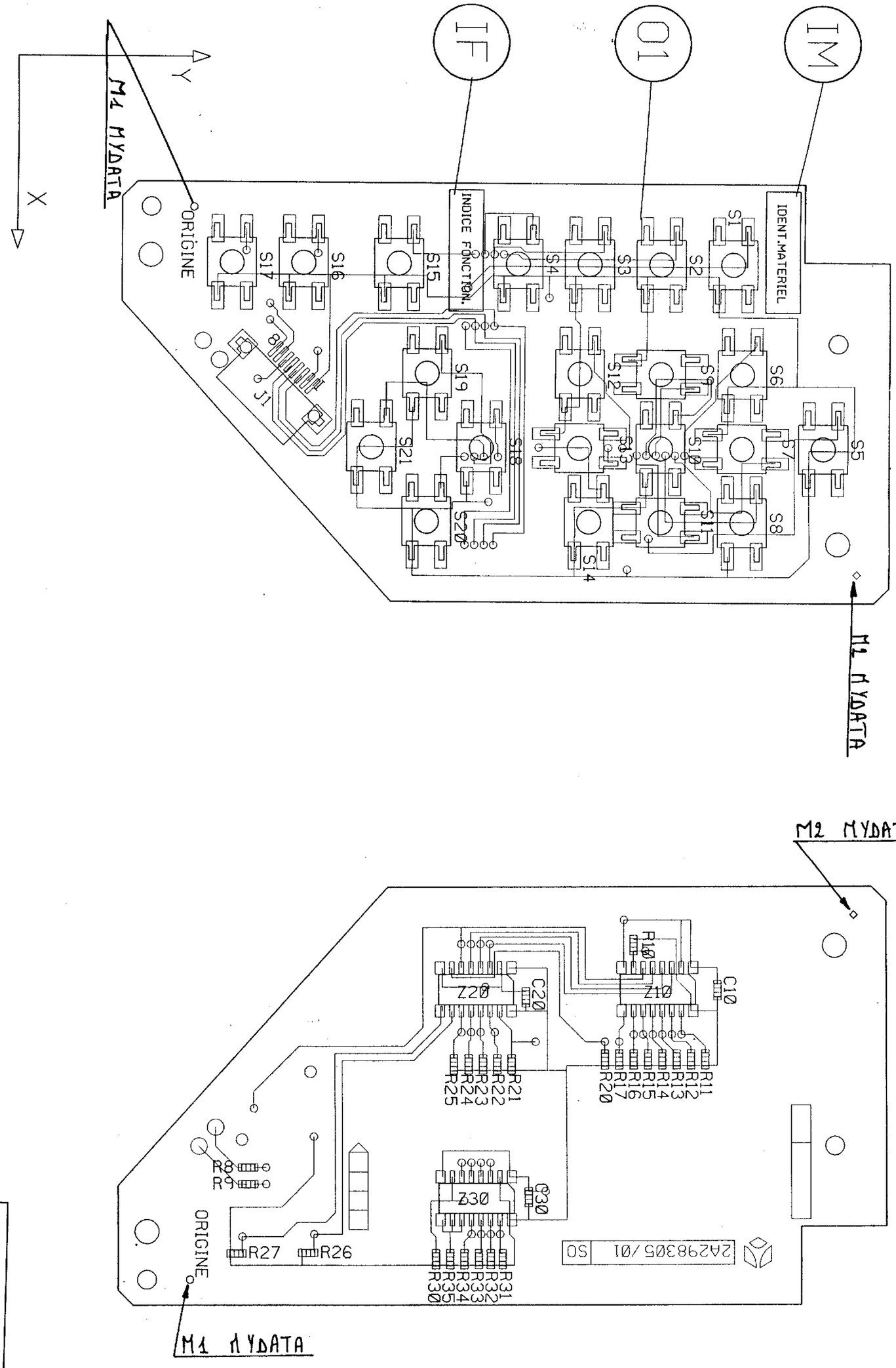
						CAMERA
SD67 1/1	TITLE	KEY				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	3A967988		030	01/01		

SCHEMATIC NAME:



THOMSON	TITLE		CAMERA
	LD67 1/1	KEY	
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3A967988		046	01/01	

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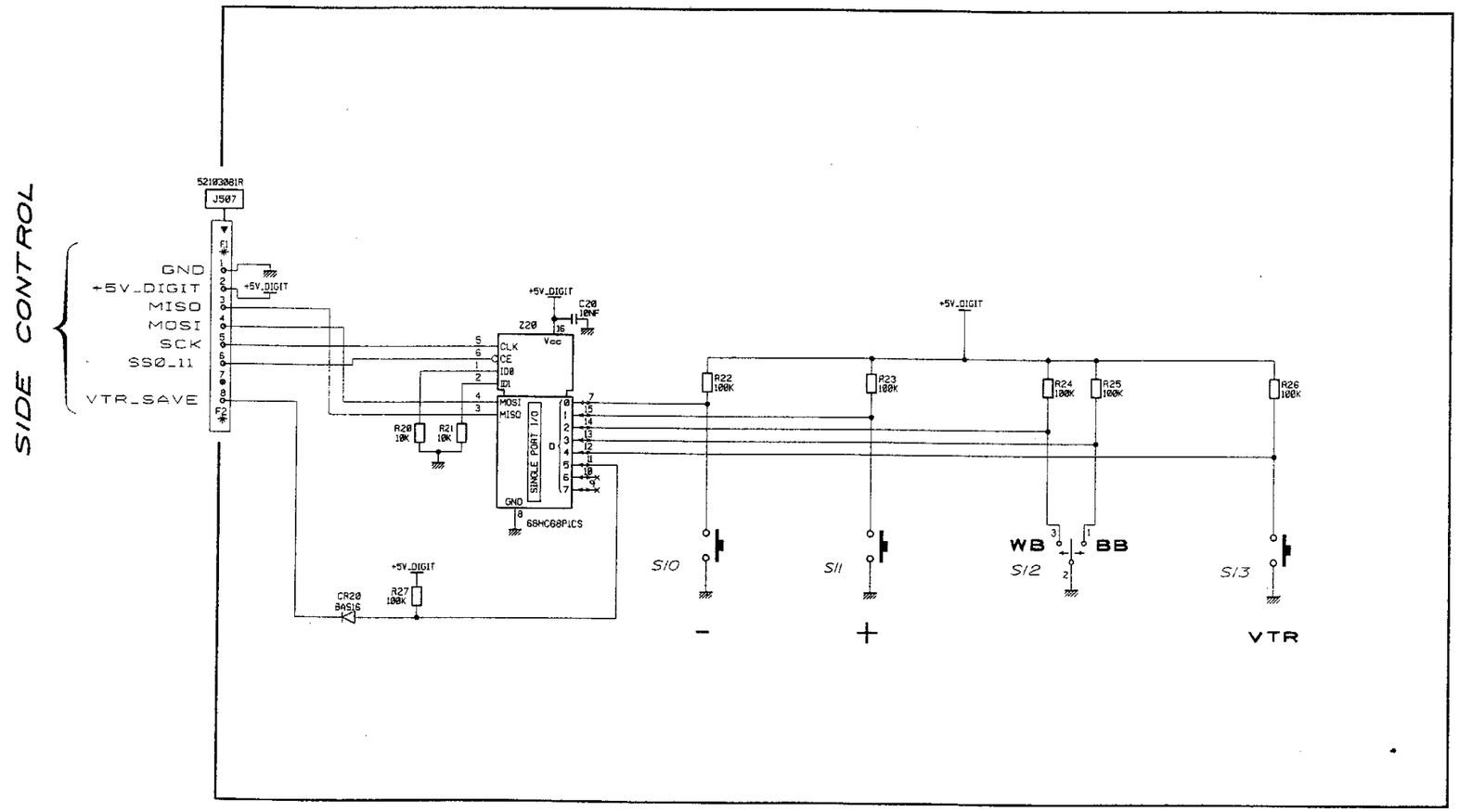
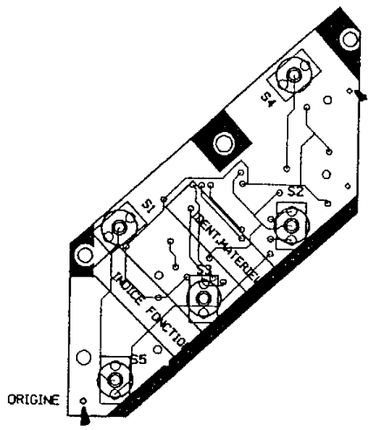
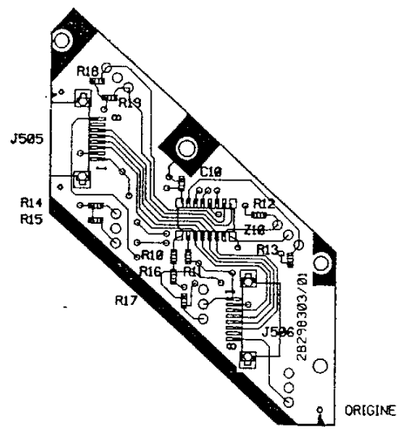


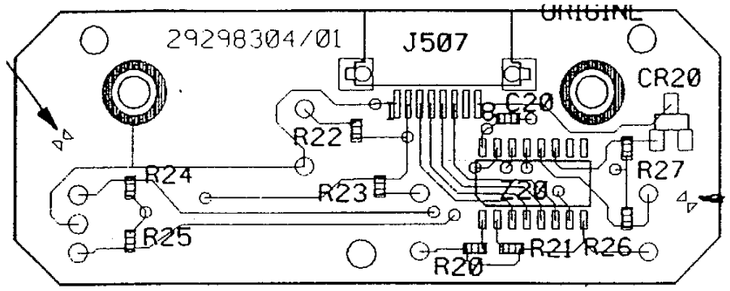
						CAMERA
SD68 1/1	TITLE FRONT CONTROL					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	39967977		030	01/01		

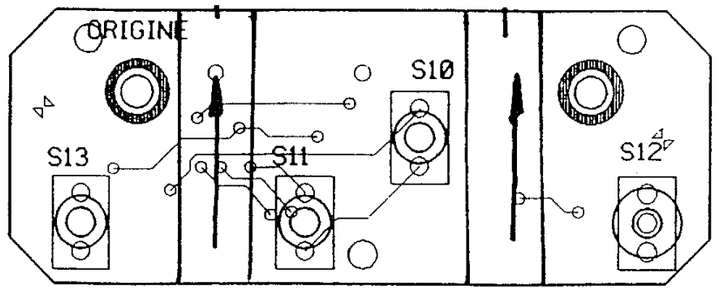
SCHEMATIC NAME: frontsch SHEET NUMBER: DATE: Oct 22, 1992



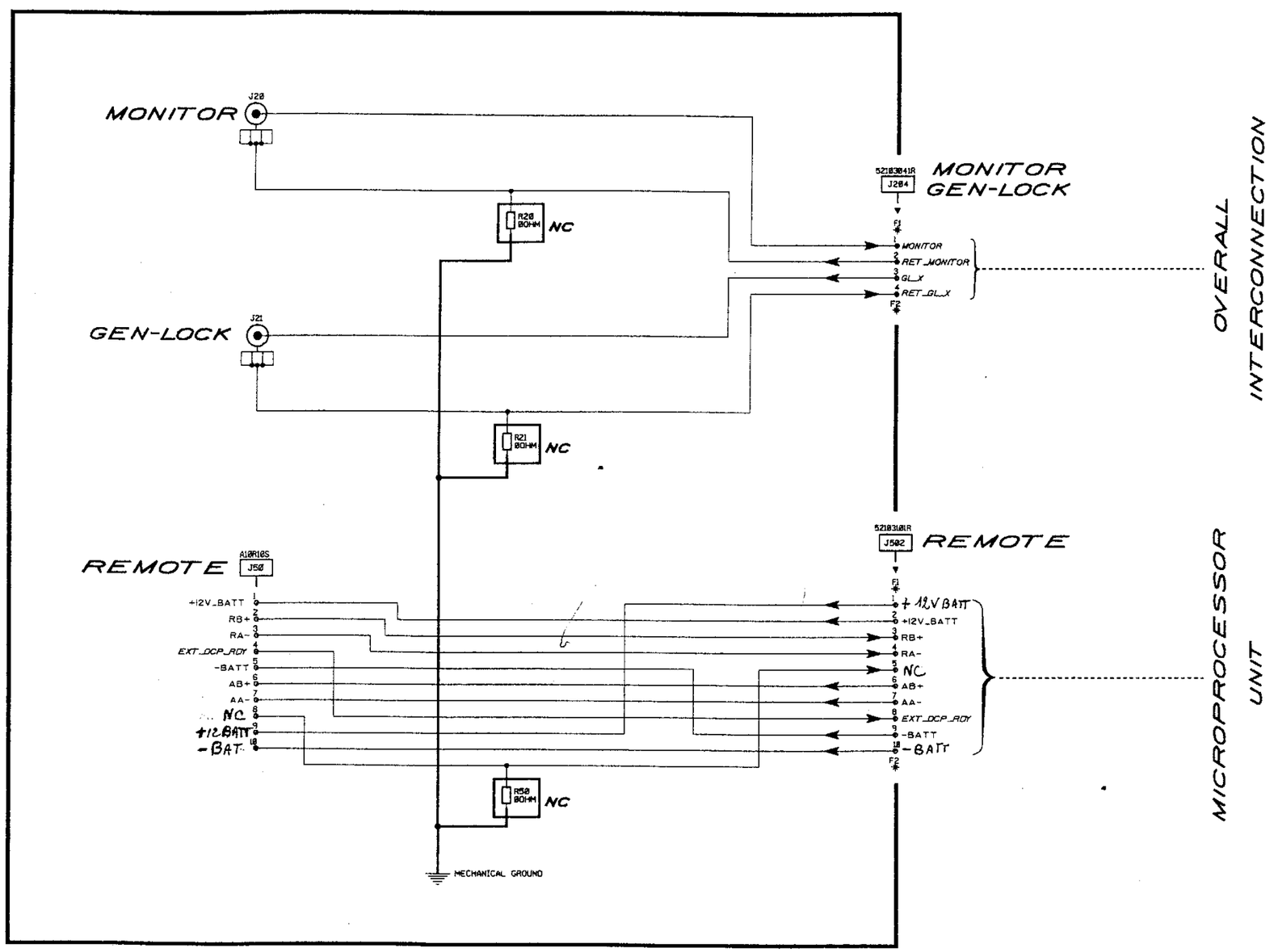


						CAMERA
LD70 1/1	TITLE SIDE CONTROL					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	3B967976		046	01/01		



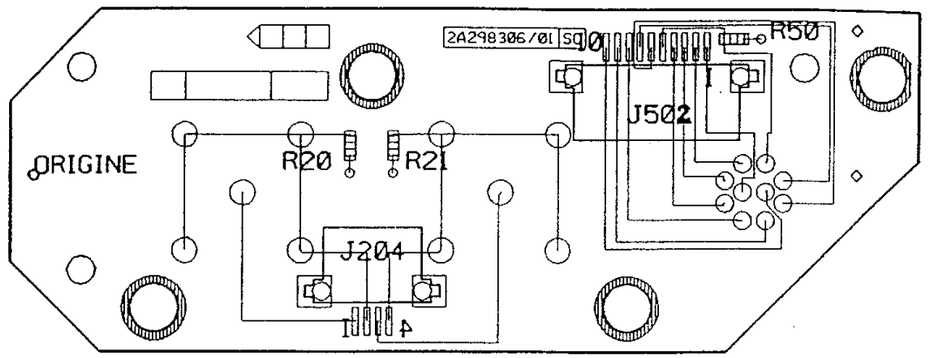


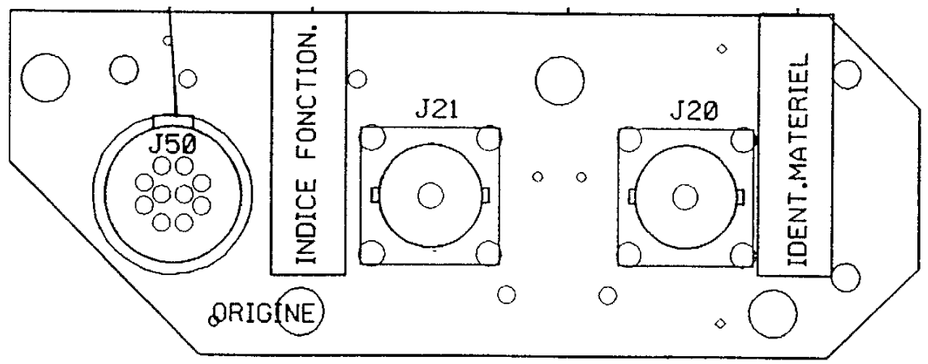
					CAMERA
LD68 1/1	TITLE FRONT CONTROL				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK
	39967977		046	01/01	



						CAMERA
SD69 1/1	TITLE	RMG BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3A967985		030	01/01		

SCHEMATIC NAME: rmg.sch SHEET NUMBER: 1 DATE: Dec 17, 1993





					CAMERA
LD69 1/1	TITLE RMG BOARD				
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK
	3A967985		046	01/01	

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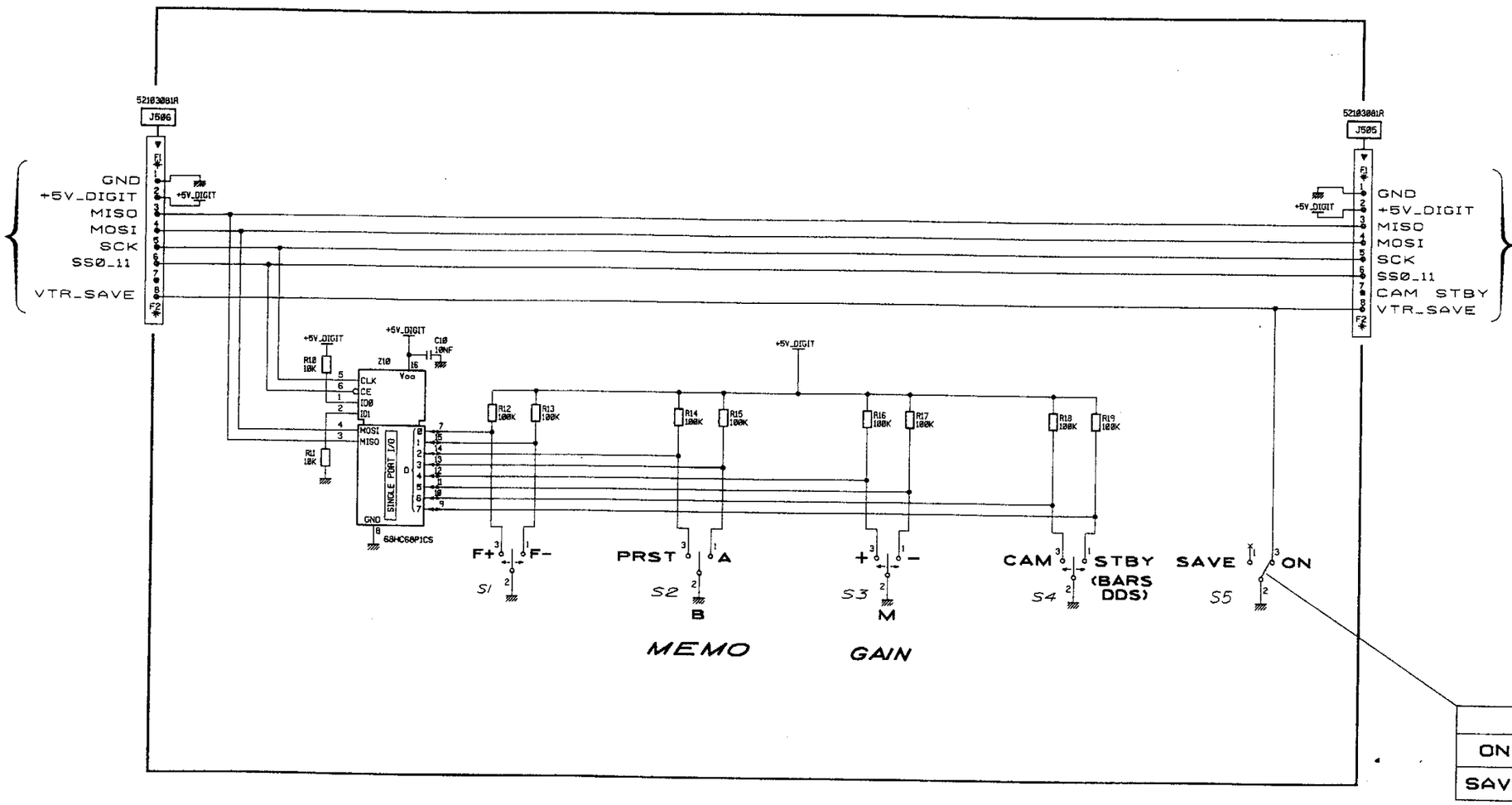
FRONT CONTROL



OVERALL INTERCONNECTION

	VTR	CAM
ON	Ø STBY	+5V ON
SAVE	+5V SAVE	+5V ON

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					CAMERA
SD70 1/1	TITLE SIDE CONTROL				
THOMSON	DRAWING NO 3B967976	REV	CODE 030	SHEET 01/01	BLOCK

SCHEMATIC NAME: 3b967976a.sch SHEET NUMBER: 1 DATE: Aug 23, 1994

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VIEWFINDER

J210N20 J22

VWF1	1	
GND/VWF1	2	
+9.1V	3	
GND	4	
+12V_BATT	5	
GND/SHIELD	6	
CTRL_AUDIO_CHI	7	
AUDIO_LEVEL_INDIC	8	
MISO	9	
MOSI	10	
SCK	11	
ON_AIR_VWF	12	
SSO_8	13	
SSI_8	14	
	15	
	16	
VWF_2	17	
GND/VWF_2	18	
VWF_3	19	
GND/VWF_3	20	

VIEWFINDER

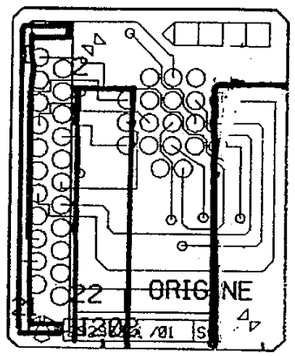
520302210 J203

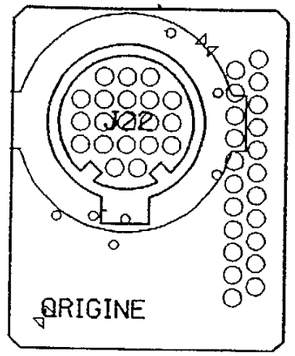
	1	VWF1
	2	GND/VWF1
	3	+9.1V
	4	GND
	5	+12V_BATT
	6	GND/SHIELD
	7	CTRL_AUDIO_CHI
	8	AUDIO_LEVEL_INDIC
	9	MISO
	10	MOSI
	11	SCK
	12	ON_AIR_VWF
	13	SSO_8
	14	SSI_8
	15	
	16	
	17	VWF_2
	18	GND/VWF_2
	19	VWF_3
	20	GND/VWF_3
	21	
	22	

OVERALL INTERCONNECTION

CAMERA						
SD71 1/1	TITLE: VIEWFINDER					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	46150051		030	01/01		

SCHEMATIC NAME: vf.sch SHEET NUMBER: 1 DATE: Sep 3 1993





						CAMERA
LD71 1/1	TITLE VIEWFINDER					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	46150051		046	01/01		

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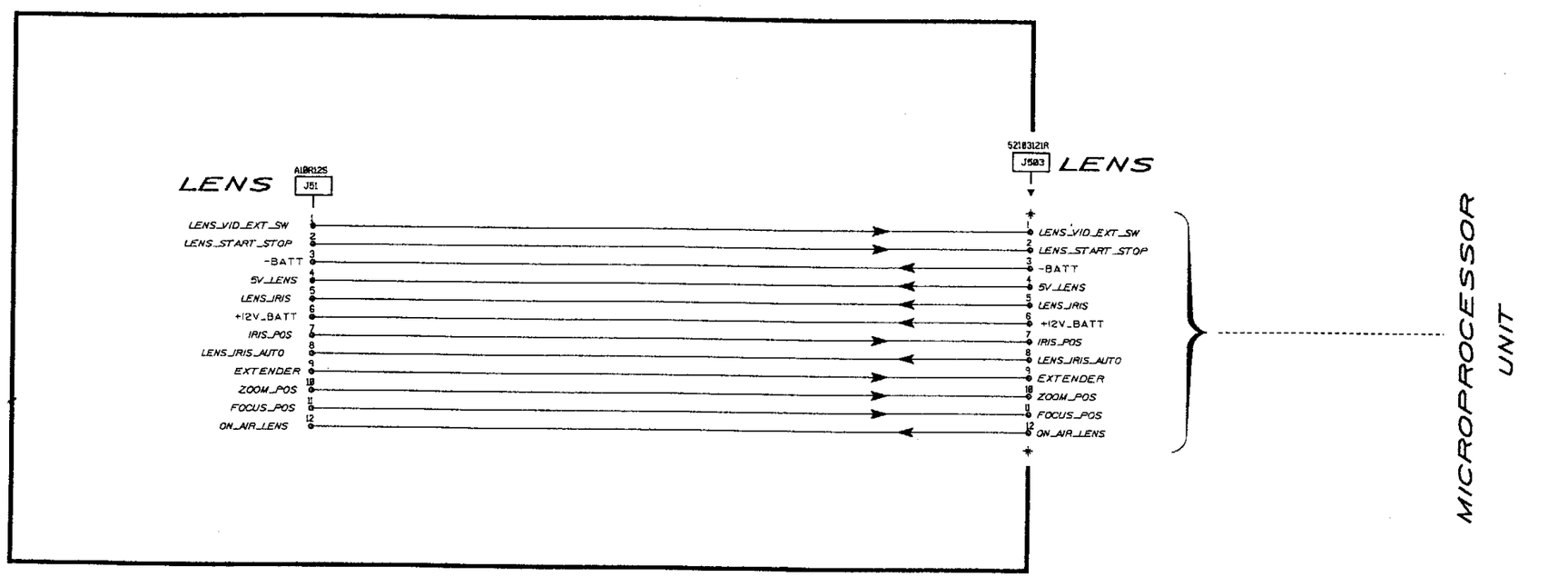
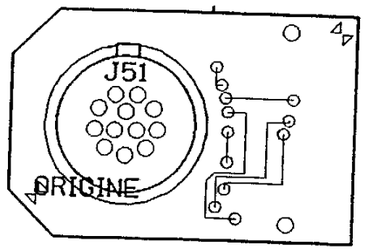
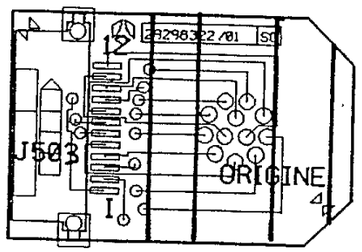


CAMERA

SD72 1/1	TITLE: LENS					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	46150055	A	030	01/01		

SCHEMATIC NAME: lens.sch SHEET NUMBER: 1 DATE: Dec 17, 1993





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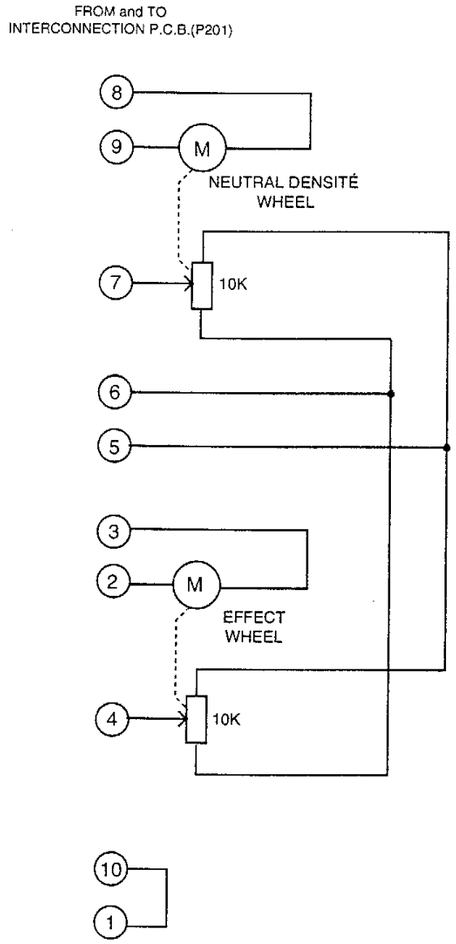
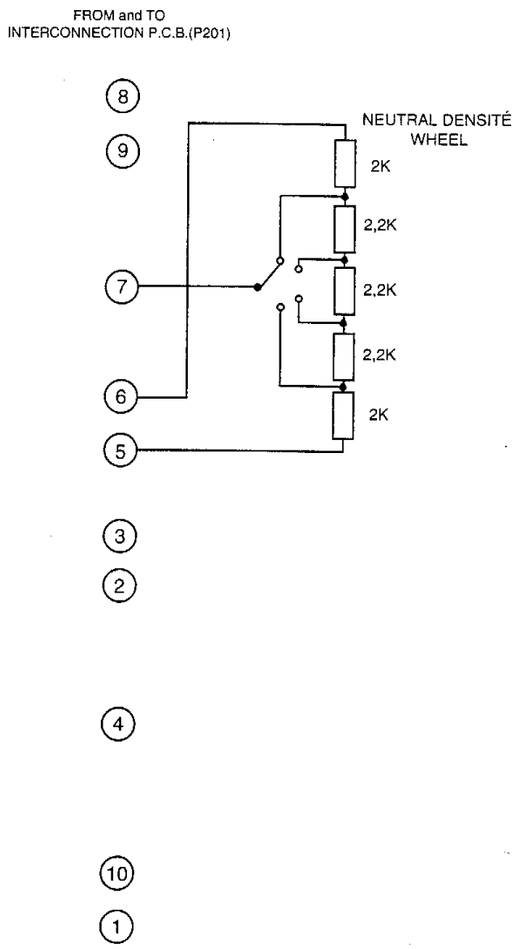
LD72 1/1	TITLE LENS					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
	46150055	A	046	01/01		

ELECTRIC WHEELS



MANUAL WHEEL



						CAMERA
SD73 1/1	TITLE FILTERS WHEELS					
THOMSON	DRAWNING NO	REV	CODE	SHEET	BLOCK	
			030	01/01		

CAMÉRA

CAMERA

NOMENCLATURES ÉLECTRIQUES

ELECTRICAL COMPONENTS

NOMENCLATURES MÉCANIQUES

MECANICAL PART LIST

47033303AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	112	SURFACE MOUNTED CAPACITOR	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	240 281	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	452	FIXED CAPACITOR	CTS49-2 47 MF +-10% 10V	T9000700
C	143 191 192 215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	212 214 520	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	211 213	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	301	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	142	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	141	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 180 PF 5% 63V	T9000970
C	101 119	SURFACE MOUNTED CAPACITOR	CC0603-2C1 10NF 10% 63V	T9001016
C	113	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	1	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	2 5 242 283 440 450	SURFACE MOUNTED CAPACITOR	CTC3D 33MF 20% 10V	T9003283
C	3 4 6 453	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	114 140 150 190 210 241 282 300 310 410 441 451 510	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	30A 31A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	30B 31B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	240 280	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	1 2 3 4	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	520	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
RESISTOR				
R	113 243 245 248 249 251 261 262 263 264 307	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	112	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	140	SURFACE MOUNTED RESISTOR	%%%RR0603 13 KOHMS 5% 1/16W	T9001056
R	109	SURFACE MOUNTED RESISTOR	%%%RR0603 180 KOHMS 5% 1/16W	T9001082
R	520	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	141 190 191 247 250 522	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	280 420 421 430 521	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	281 282 283 301 305	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	114	SURFACE MOUNTED RESISTOR	RR0603 5,62KOHM 1% 1/10W K100	T9005147
R	142 212 257 258 259 260 269 270 300 440 441 442 443 445 446 447	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	210 211 304	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	120 240 241 242	SURFACE MOUNTED RESISTOR	RR0603 475 KOHM 1% 1/10W K100	T9005208
TEST POINT				
TP	1 2 3 4 5 9 10 12 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
QUARTZ				
Y	2	CRISTAL OSCILLATOR	VCXO-104 29,000MHZ	T1002434
INTEGRATED CIRCUIT				
Z	140 190	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	300	SURFACE MOUNTED INTEGR.CIRCUIT	74HC32 SO14P -40+85	99142000
Z	200 220	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	110 420	SURFACE MOUNTED INTEGR.CIRCUIT	74HC00 SO14P -40+85	99142253
Z	210 310	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	280	SURFACE MOUNTED INTEGR.CIRCUIT	MN53003XCU	T1000874
Z	240	SURFACE MOUNTED INTEGR.CIRCUIT	MN53020XXG1	T1002982
Z	410 500	SURFACE MOUNTED MICROPROCESSOR	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74HC4046 SO16P -40+85	T9000577
Z	510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC40103 SO16P -40+85	T9001460
Z	430	SURFACE MOUNTED EEPROM	128X8/64X16 1 MHZ SO8P -40+85	T9004829

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4A150300 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	280 720	FIXED CAPACITOR	S99 1C 476 KL1 47MF +-10% 16V	91583528
C	100 101 111 121 130 134 141 150 151 170 180 190 401 430 480 530 700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	152 153	FIXED CAPACITOR	037-50-229 22MF 20% 35V	T1002725
C	140	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	102 131 132 133 171	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	112 122 154 160 209 210 211 212 213 242 243 281	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	1	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	380 390	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	400 423 431 481 531	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	203 204 205 206 207 208 233 234 235 236 237 238 250 450 460	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	110 120	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	440 490 540	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	380 390 420	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED DIODE	BZX84C5V1 SOT23 [Z2]	99111196
CR	202 203 204 232 233 234	SURFACE MOUNTED DIODE	BAW56 SOT23 [A1]	99111266
CR	130 150	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
CONNECTOR (FIXED)				
J	41A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	41B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	41	SURFACE MOUNTED CONNECTOR	004862 (FMC-50S)	T1001950
J	40 50 60	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
TRANSISTOR				
Q	390	SURFACE MOUNTED TRANSISTOR	BFR92A NPN SOT23 [P2]	91557752
Q	430 480 530	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	410	SURFACE MOUNTED TRANSISTOR	SO2894 PNP SOT23	99110324
Q	400	SURFACE MOUNTED TRANSISTOR	*O*SO2369A NPNSOT23	99110325
Q	380	SURFACE MOUNTED TRANSISTOR	BFT92 PNP SOT23 [W1]	99116854
Q	110 120 140 170	SURFACE MOUNTED TRANSISTOR	BCX19 NPN SOT23 [U1]	99123949
Q	160	SURFACE MOUNTED TRANSISTOR	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	10 11 12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 50 KOHMS 20%	T1002025
R	200 210 220 383 441 444 491 494 541 544	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	401 730	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	400 410	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	600 602 604	SURFACE MOUNTED RESISTOR	%%%RR0603 39 OHMS 5%1/16W K250	T9000947
R	424	SURFACE MOUNTED RESISTOR	%%%RR0603 3,6 KOHMS 5% 1/16W K	T9000991
R	431 481 531	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	114	SURFACE MOUNTED RESISTOR	%%%RR0603 13 KOHMS 5% 1/16W	T9001056
R	152	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	115 125	SURFACE MOUNTED RESISTOR	%%%RR0603 27 KOHMS 5% 1/16W	T9001063
R	171	SURFACE MOUNTED RESISTOR	%%%RR0603 33 KOHMS 5% 1/16W	T9001065
R	110 111 112	SURFACE MOUNTED RESISTOR	RC2211 100 OHMS 0,5% 1/5W K50	T9001137
R	120 121 122	SURFACE MOUNTED RESISTOR	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	202 205 206 209 212 215 232 235 236 239 240 243 601 603 605	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	216 246	SURFACE MOUNTED RESISTOR	RC2211 4,87 KOHM 0,5% 1/5W K50	T9001221
R	217 247	SURFACE MOUNTED RESISTOR	RC2211 1,82 KOHM 0,5% 1/5W K50	T9001398
R	100 101 124 130 132 150 151 430 432 480 482 530 532	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	203 204 207 208 213 214 233 234 237 238 241 242 422	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	450 451 452 453 454 455 460 461 462 463 464 465 470 471 472 473 474 475	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	390	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	391	SURFACE MOUNTED RESISTOR	RR0603 2,21KOHM 1% 1/10W K100	T9005137
R	423	SURFACE MOUNTED RESISTOR	RR0603 5,62KOHM 1% 1/10W K100	T9005147
R	113 123 131 140 160 170	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	141 172	SURFACE MOUNTED RESISTOR	RR0603 22,1KOHM 1% 1/10W K100	T9005180
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	440 490 540	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 210 220 555	SURFACE MOUNTED INTEGR.CIRCUIT	CXD1268M SO20P DRIVER CCD	T1002961
Z	450 460 470	SURFACE MOUNTED INTEGR.CIRCUIT	74ACT04 SO14P -40+85	T9000059
Z	100 130 150	SURFACE MOUNTED INTEGR.CIRCUIT	082 SO8P -40+85	T9000867
Z	180 190	SURFACE MOUNTED INTEGR.CIRCUIT	4426 0+70 SOP8(.15)	T9001655

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46150619CA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	83 102 361 373 661 673	SURFACE MOUNTED ADJUST.CAPA	ECR-JA006A11 (2,5/6 PF 100V)	91612112
C	70 320 370 430 670	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	190 191 490 491 790 791	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 68 PF 5% 63V	T9000966
C	101 372 672	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 1,5PF+-0,25PF 63V	T9000973
C	82 360 660	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	41 341 641	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	71 371 431 620 671	SURFACE MOUNTED CAPACITOR	CC0603-2C1 10NF 10% 63V	T9001016
C	200 310 600	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	1 2 3 4 5 6 90	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	500 501	SURFACE MOUNTED CAPACITOR	CTC3E 100UF 10% 16V TANTALE	T9004239
C	103 451 701	SURFACE MOUNTED ADJUST.CAPA	ECR-JA050M (8.5/50PF 100V)	T9004246
C	30 42 60 163 164 330 420 463 464 630 642 662 763 764 1000 1010 1020	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	70 320 370 430 670	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	10 100 310 610 1310 1610	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
DELAY LINE				
DL	1 2 3	SURFACE MOUNTED DELAY LINE	DPI S14-GW 40NS 220 OHMS	T1002112
CONNECTOR (FIXED)				
J	31 32 33	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	34	SURFACE MOUNTED CONNECTOR	52103-0817 (EFC-8S)	T1002088
INDUCTOR				
L	190 191 490 491 790 791	SURFACE MOUNTED INDUCTOR	LC1812 1,8 MICROHENRY 10%	T9001178
L	1 2	SURFACE MOUNTED INDUCTOR	LC2220 22 UH 10% (ORO9)	T9001335
CONNECTOR (MOBILE)				
P	35	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
Q	50 350 390 410 650	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	10 30 310 330 610 630	SURFACE MOUNTED TRANSISTOR	SO3906 PNP SOT23	99110322
Q	20 60 70 320 360 370 420 430 620 660 670	SURFACE MOUNTED TRANSISTOR	BSD22 FET SOT143 [M32]	T1000318
RESISTOR				
R	6	SURFACE MOUNTED POTENTIOMETER	ST-4B 5 KOHMS 20%	91619672
R	3	SURFACE MOUNTED POTENTIOMETER	ST-4B 2 KOHMS 20%	91619677
R	9	SURFACE MOUNTED POTENTIOMETER	ST-4B 500 OHMS 20%	91620902
R	2 5 8	SURFACE MOUNTED POTENTIOMETER	ST-3A 20 KOHMS 20%	T1002026
R	1 4 7	SURFACE MOUNTED POTENTIOMETER	ST-3A 200 OHMS 20%	T1002049
R	14 101 170 316 452 470 614 701 770	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	1000 1010 1020	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	191 491 791 1002 1005 1006 1007 1012 1013 1016 1017	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	778	SURFACE MOUNTED RESISTOR	%%%RR0603 75 OHMS 5%1/16W K250	T9000954
R	161 461 761	SURFACE MOUNTED RESISTOR	%%%RR0603 1,2 KOHM 5%1/16WK250	T9000980
R	50 350 390 410 650	SURFACE MOUNTED RESISTOR	%%%RR0603 3 KOHMS 5% 1/16W K	T9000989
R	164 464 764	SURFACE MOUNTED RESISTOR	%%%RR0603 3,6 KOHMS 5% 1/16W K	T9000991
R	11 311 611	SURFACE MOUNTED RESISTOR	%%%RR0603 150 OHMS 5% 1/16W	T9001034
R	500 501	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	179 479	SURFACE MOUNTED RESISTOR	%%%RR0603 510 OHMS 5% 1/16W	T9001047
R	160 460 760	SURFACE MOUNTED RESISTOR	%%%RR0603 910 OHMS 5% 1/16W	T9001053
R	177 477 777	SURFACE MOUNTED RESISTOR	%%%RR0603 75 KOHMS 5% 1/16W	T9001074
R	315	SURFACE MOUNTED RESISTOR	%%%RR0603 120 KOHMS 5% 1/16W	T9001078
R	71 371 431 671	SURFACE MOUNTED RESISTOR	%%%RR0603 180 KOHMS 5% 1/16W	T9001082
R	73 320 373 433 673	SURFACE MOUNTED RESISTOR	%%%RR0603 390 KOHMS 5% 1/16W	T9001090
R	180 480 780	SURFACE MOUNTED RESISTOR	RC2211 75 OHMS 0,5% 1/5W K50	T9001105
R	163 190 463 490 763 779 790	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	91 802 1004 1011 1014	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	1001 1003 1015 1021	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	81 103 441 453 681 703	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	165 465 765	SURFACE MOUNTED RESISTOR	RR0603 1,5 KOHM 1% 1/10W K100	T9005133
R	12 30 41 80 100 312 330 341 380 400 440 450 612 630 641 680 700	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	13 31 40 313 331 340 381 401 613 631 640	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	166 174 178 466 474 478 766 774	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	10 310 610	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	72 322 372 432 672	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
R	200	SURFACE MOUNTED RESISTOR	RR0603 475 KOHM 1% 1/10W K100	T9005208
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	1000 1010	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 400 600	SURFACE MOUNTED INTEGR.CIRCUIT	*M*74HC4053 SO16P -40+85	99137357
Z	160 460 760	SURFACE MOUNTED INTEGR.CIRCUIT	LT1229CS8 SO8P 0+70	T1001991
Z	1020	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464

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4A032649AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	2 110 111	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	100 101 102 103 106	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	S03904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP [L6] [LH]	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 [G1]	99123959
RESISTOR				
R	105	SURFACE MOUNTED RESISTOR	%%%RR0603 8,2 KOHMS 5% 1/16W K	T9001000
R	130	SURFACE MOUNTED RESISTOR	%%%RR0603 390 OHMS 5% 1/16W	T9001044
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	106	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	108	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	107	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	110	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	113	SURFACE MOUNTED RESISTOR	RR0603 681 OHM 1% 1/10W K100	T9005169
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
INTEGRATED CIRCUIT				
Z	100A 100B	IC SOCKET	SC2S64Y1B (BARRETTE FEMELLE)	T9000353

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4A032304AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	2 110 111	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	100 101 102 103 106	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	S03904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP [L6] [LH]	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 [G1]	99123959
RESISTOR				
R	105	SURFACE MOUNTED RESISTOR	%%%RR0603 8,2 KOHMS 5% 1/16W K	T9001000
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	106	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	108	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	107	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	110	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	113 130	SURFACE MOUNTED RESISTOR	RR0603 681 OHM 1% 1/10W K100	T9005169
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
INTEGRATED CIRCUIT				
Z	100A 100B	IC SOCKET	SC2S64Y1B (BARRETTE FEMELLE)	T9000353

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47033341AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	112	SURFACE MOUNTED CAPACITOR	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	240 281	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	452	FIXED CAPACITOR	CTS49-2 47 MF +-10% 10V	T9000700
C	143 191 192 215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	212 214 520	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	211 213	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	301	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	141 142	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	101 119	SURFACE MOUNTED CAPACITOR	CC0603-2C1 10NF 10% 63V	T9001016
C	113	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	1	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	2 5 242 283 440 450	SURFACE MOUNTED CAPACITOR	CTC3D 33MF 20% 10V	T9003283
C	3 4 6 453	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	114 140 150 190 210 241 282 300 310 410 441 451 510	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	30A 31A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	30B 31B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EEC-16S)	T1002412
INDUCTOR				
L	240 280	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	1 2 3 4	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (0R11)	T9001334
TRANSISTOR				
Q	520	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
RESISTOR				
R	113 244 245 248 249 251 261 262 263 264 307	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	112	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	140	SURFACE MOUNTED RESISTOR	%%%RR0603 13 KOHMS 5% 1/16W	T9001056
R	109	SURFACE MOUNTED RESISTOR	%%%RR0603 180 KOHMS 5% 1/16W	T9001082
R	520	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	141 190 191 247 250 522	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	280 420 421 430 521	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	281 282 283 301 305	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	114	SURFACE MOUNTED RESISTOR	RR0603 5,62KOHM 1% 1/10W K100	T9005147
R	142 212 257 258 259 260 269 270 300 440 441 442 443 445 446 447	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	210 211 304	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	120 240 241 242	SURFACE MOUNTED RESISTOR	RR0603 475 KOHM 1% 1/10W K100	T9005208
TEST POINT				
TP	1 2 3 4 5 9 10 12 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
QUARTZ				
Y	2	CRISTAL OSCILLATOR	VCXO 28.63636MHZ -40+85 50PPM	T9003364
INTEGRATED CIRCUIT				
Z	140 190	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	300	SURFACE MOUNTED INTEGR.CIRCUIT	74HC32 SO14P -40+85	99142000
Z	200 220	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	110 420	SURFACE MOUNTED INTEGR.CIRCUIT	74HC00 SO14P -40+85	99142253
Z	210 310	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	280	SURFACE MOUNTED INTEGR.CIRCUIT	MN53003XCU	T1000874
Z	240	SURFACE MOUNTED INTEGR.CIRCUIT	MN53020XXG1	T1002982
Z	410 500	SURFACE MOUNTED MICROPROCESSOR	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74HC4046 SO16P -40+85	T9000577
Z	510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC40103 SO16P -40+85	T9001460
Z	430	SURFACE MOUNTED EEPROM	128X8/64X16 1 MHZ SO8P -40+85	T9004829

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47032975 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	280 720	FIXED CAPACITOR	S99 1C 476 K11 47MF +-10% 16V	91583528
C	100 101 111 121 130 134 141 150 151 170 180 190 401 430 480 530 700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	152 153	FIXED CAPACITOR	037-50-229 22MF 20% 35V	T1002725
C	140	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	102 131 132 133 171	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	112 122 154 160 209 210 211 212 213 242 243 281	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	1	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	380 390	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	400 423 431 481 531	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	203 204 205 206 207 208 233 234 235 236 237 238 250 450 460	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	110 120	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	440 490 540	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	380 390 420	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED DIODE	BZX84C5V1 SOT23 [Z2]	99111196
CR	202 203 204 232 233 234	SURFACE MOUNTED DIODE	BAW56 SOT23 [A1]	99111266
CR	130 150	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
CONNECTOR (FIXED)				
J	41A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	41B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	41	SURFACE MOUNTED CONNECTOR	004862 (FMC-5OS)	T1001950
J	40 50 60	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
TRANSISTOR				
Q	390	SURFACE MOUNTED TRANSISTOR	BFR92A NPN SOT23 [P2]	91557752
Q	430 480 530	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	410	SURFACE MOUNTED TRANSISTOR	SO2B94 PNP SOT23	99110324
Q	400	SURFACE MOUNTED TRANSISTOR	*O*SO2369A NPNSOT23	99110325
Q	380	SURFACE MOUNTED TRANSISTOR	BFT92 PNP SOT23 [W1]	99116854
Q	110 120 140 170	SURFACE MOUNTED TRANSISTOR	BCX19 NPN SOT23 [U1]	99123949
Q	160	SURFACE MOUNTED TRANSISTOR	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	10 11 12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 50 KOHMS 20%	T1002025
R	201 211 221 383 441 444 491 494 541 544	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	401 730	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	400 410	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	600 602 604	SURFACE MOUNTED RESISTOR	%%%RR0603 39 OHMS 5%1/16W K250	T9000947
R	424	SURFACE MOUNTED RESISTOR	%%%RR0603 3,6 KOHMS 5% 1/16W K	T9000991
R	124	SURFACE MOUNTED RESISTOR	%%%RR0603 6,2 KOHMS 5% 1/16W K	T9000997
R	431 481 531	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	114	SURFACE MOUNTED RESISTOR	%%%RR0603 13 KOHMS 5% 1/16W	T9001056
R	152	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	115 125	SURFACE MOUNTED RESISTOR	%%%RR0603 27 KOHMS 5% 1/16W	T9001063
R	171	SURFACE MOUNTED RESISTOR	%%%RR0603 33 KOHMS 5% 1/16W	T9001065
R	110 111 112	SURFACE MOUNTED RESISTOR	RC2211 100 OHMS 0,5% 1/5W K50	T9001137
R	120 121 122	SURFACE MOUNTED RESISTOR	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	202 205 206 209 212 215 232 235 236 239 240 243 601 603 605	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	216 246	SURFACE MOUNTED RESISTOR	RC2211 4,87 KOHM 0,5% 1/5W K50	T9001221
R	217 247	SURFACE MOUNTED RESISTOR	RC2211 1,82 KOHM 0,5% 1/5W K50	T9001398
R	100 101 130 132 150 151 430 432 480 482 530 532	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	203 204 207 208 213 214 233 234 237 238 241 242 422	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	450 451 452 453 454 455 460 461 462 463 464 465 470 471 472 473 474 475	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	390	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	391	SURFACE MOUNTED RESISTOR	RR0603 2,21KOHM 1% 1/10W K100	T9005137
R	423	SURFACE MOUNTED RESISTOR	RR0603 5,62KOHM 1% 1/10W K100	T9005147
R	113 123 131 140 160 170	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	141 172	SURFACE MOUNTED RESISTOR	RR0603 22,1KOHM 1% 1/10W K100	T9005180
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	440 490 540	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 210 220 555	SURFACE MOUNTED INTEGR.CIRCUIT	CXD1268M SO20P DRIVER CCD	T1002961
Z	450 460 470	SURFACE MOUNTED INTEGR.CIRCUIT	74ACT04 SO14P -40+85	T9000059
Z	100 130 150	SURFACE MOUNTED INTEGR.CIRCUIT	OB2 SO8P -40+85	T9000867
Z	180 190	SURFACE MOUNTED INTEGR.CIRCUIT	4426 0+70 SOP8(.15)	T9001665

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4B033255AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	100	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 10V DOC.	96103240
C	151 453	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	454	SURFACE MOUNTED CAPACITOR	CC0805B-1CG 220 PF 5% 100V	99187396
C	211	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	420 430	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	15 18 19 24 212 213 280	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	20 21	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	103 110	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	452 600	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	202 203 205 206	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	111	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	201 204	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	602	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	451	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	112	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	105 106	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	214 217 218 219 220 221	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	210	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	101 102 104 120 150 200 300 410 421 431 450 470 500 510	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	450	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	600	SURFACE MOUNTED DIODE	BAR18 SOT23 [D76]	99123948
CR	100 101	SURFACE MOUNTED DIODE	BBY31 SOT23 [S1]	T1001594
CONNECTOR (FIXED)				
J	30A 31A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	30B 31B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	102	SURFACE MOUNTED INDUCTOR	E558CNA-100036 (79NH)	T1002677
L	100 101 110	INDUCTOR	TR021 3,3 MICROHENRYS 2%	T9000502
L	120 150 210	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	16 17 18	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
RESISTOR				
R	16	SURFACE MOUNTED POTENTIOMETER	ST-3A 5 KOHMS 20%	T1002027
R	12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 500 OHMS 20%	T1002085
R	210 212 213 215 219 222 228 230 236 243 405 480	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	102	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	101	SURFACE MOUNTED RESISTOR	%%%RR0603 2,7 KOHMS 5% 1/16W K	T9000988
R	110	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	240 241 242	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	451	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	120	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	452	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	601 602	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	150 411 412 430 431 432 433 454	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	123 267 268 269 270 271 272	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	201 203	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	160 217 223 224 225 226 227 233 234 235 251 252 253 254 255 256 257 258 259 260 261 262 265 266 273 300 420 421 422 423 425 426 427 453 600	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	200 202	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	455	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 17	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	200 450	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	300 410 470 510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	500	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	210	SURFACE MOUNTED INTEGR.CIRCUIT	MN5218 QF128	T1002923
Z	600	SURFACE MOUNTED INTEGR.CIRCUIT	SN74HC08D SO14P -40+85	T1005659
Z	120 480	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74AC109 SO16P -40+85	T9001535
Z	400	SURFACE MOUNTED EEPROM	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604

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4A150394 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	402	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	100 101 111 121 130 134 141 150 151 170 430 480 530 700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	140	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	102 131 132 133 152 153 171 482	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	3 112 122 154 160 190 200 201 212 222 242 291	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	1 2	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	380 390	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	400 431 481 531	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	203 204 205 206 207 208 233 234 235 236 237 238 250 263 264 265 266 267 268 293 294 295 296 297 298 423 450 460 555 556	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	110 120	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	221 290	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	440 490 540	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	380 390 420	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	202 203 204 232 233 234 262 263 264 292 293 294 555	SURFACE MOUNTED DIODE	BAW56 SOT23 [A1]	99111266
CR	130 150	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
CR	700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED DIODE	BZX84C5V6 SOT23 [Z3]	99123960
CONNECTOR (FIXED)				
J	40 50 60	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
J	41	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	390	SURFACE MOUNTED TRANSISTOR	BFR92A NPN SOT23 [P2]	91557752
Q	430 480 530	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	410	SURFACE MOUNTED TRANSISTOR	SO2894 PNP SOT23	99110324
Q	400	SURFACE MOUNTED TRANSISTOR	*0*SO2369A NPNSOT23	99110325
Q	380	SURFACE MOUNTED TRANSISTOR	BFT92 PNP SOT23 [W1]	99116854
Q	110 120 140 170	SURFACE MOUNTED TRANSISTOR	BCX19 NPN SOT23 [U1]	99123949
Q	160	SURFACE MOUNTED TRANSISTOR	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	800	SURFACE MOUNTED RESISTOR	RR1206 0 OHM	99124320
R	10 11 12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 50 KOHMS 20%	T1002025
R	200 381 441 444 491 494 541 544 551 552	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	217 247	SURFACE MOUNTED RESISTOR	RC2211 1 KOHM 0,5% 1/5W K50	T9000924
R	113 119 133 153 160 401 433 483 533	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	400 410	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	600 602 604	SURFACE MOUNTED RESISTOR	%%%RR0603 39 OHMS 5%1/16W K250	T9000947
R	123	SURFACE MOUNTED RESISTOR	%%%RR0603 6,2 KOHMS 5% 1/16W K	T9000997
R	431 481 531	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	114	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	152 432 482 532	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	115 124	SURFACE MOUNTED RESISTOR	%%%RR0603 27 KOHMS 5% 1/16W	T9001063
R	110 111 112 120 121 122	SURFACE MOUNTED RESISTOR	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	202 205 206 209 212 215 232 235 236 239 240 243 262 265 266 269 270 273 292 295 296 299 300 303 555 558	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	216 246	SURFACE MOUNTED RESISTOR	RC2211 8,25 KOHM 0,5% 1/5W K50	T9001343
R	100 101 130 132 150 151 430 480 530	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	203 204 207 208 213 214 233 234 237 238 241 242 263 264 267 268 271 272 293 294 297 298 301 302 422 556 557	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	450 451 452 453 454 455 460 461 462 463 464 465 470 471 472 473 474 475	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	390	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	391 801	SURFACE MOUNTED RESISTOR	RR0603 2,21KOHM 1% 1/10W K100	T9005137
R	423 424	SURFACE MOUNTED RESISTOR	RR0603 4,75KOHM 1% 1/10W K100	T9005145
R	131 140 170	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	141 172	SURFACE MOUNTED RESISTOR	RR0603 22,1KOHM 1% 1/10W K100	T9005180
R	171	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
SWITH				
S	1	SURFACE MOUNTED SWITCH	INVERSEUR 1POLE 2POS.CMS ROT	T9004800
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	440 490 540	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 210 220 260 270 290 550	SURFACE MOUNTED INTEGR.CIRCUIT	CXD1268M SO20P DRIVER CCD	T1002961
Z	450 460 470	SURFACE MOUNTED INTEGR.CIRCUIT	74ACT04 SO14P -40+85	T9000059
Z	100 130 150	SURFACE MOUNTED INTEGR.CIRCUIT	082 SO8P -40+85	T9000867
Z	180 190	SURFACE MOUNTED INTEGR.CIRCUIT	4426 0+70 SOP8(.15)	T9001665

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46150619BA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	83 102 361 373 661 673	SURFACE MOUNTED ADJUST.CAPA	ECR-JA006A11 (2,5/6 PF 100V)	91612112
C	103 701	SURFACE MOUNTED ADJUST.CAPA	ECR-JA010A11 3,5/10PF 100V	91621499
C	70 320 370 430 670	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	190 191 490 491 790 791	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	101 372 672	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 1,5PF+-0,25PF 63V	T9000973
C	82 360 660	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	41 341 641	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	71 371 431 620 671	SURFACE MOUNTED CAPACITOR	CC0603-2C1 10NF 10% 63V	T9001016
C	200 310 600	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	1 2 3 4 5 6 90	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	500 501	SURFACE MOUNTED CAPACITOR	CTC3E 100UF 10% 16V TANTALE	T9004239
C	451	SURFACE MOUNTED ADJUST.CAPA	ECR-JA050M (8.5/50PF 100V)	T9004246
C	30 42 60 163 164 330 420 463 464 630 642 662 763 764 1000 1010 1020	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	70 320 370 430 670	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	10 100 310 610 1310 1610	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
DELAY LINE				
DL	1 2 3	SURFACE MOUNTED DELAY LINE	DPI S14-GW 40NS 220 OHMS	T1002112
CONNECTOR (FIXED)				
J	31 32 33	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	34	SURFACE MOUNTED CONNECTOR	52103-0817 (EFC-8S)	T1002088
INDUCTOR				
L	190 191 490 491 790 791	SURFACE MOUNTED INDUCTOR	LC1812 1,8 MICROHENRY 10%	T9001178
L	1 2	SURFACE MOUNTED INDUCTOR	LC2220 22 UH 10% (ORO9)	T9001335
CONNECTOR (MOBILE)				
P	35	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
Q	50 350 390 410 650	SURFACE MOUNTED TRANSISTOR	S03904 NPN SOT23	99110321
Q	10 30 310 330 610 630	SURFACE MOUNTED TRANSISTOR	S03906 PNP SOT23	99110322
Q	20 60 70 320 360 370 420 430 620 660 670	SURFACE MOUNTED TRANSISTOR	BSD22 FET SOT143 [M32]	T1000318
RESISTOR				
R	6	SURFACE MOUNTED POTENTIOMETER	ST-4B 5 KOHMS 20%	91619672
R	3	SURFACE MOUNTED POTENTIOMETER	ST-4B 2 KOHMS 20%	91619677
R	9	SURFACE MOUNTED POTENTIOMETER	ST-4B 500 OHMS 20%	91620902
R	2 5 8	SURFACE MOUNTED POTENTIOMETER	ST-3A 20 KOHMS 20%	T1002026
R	1 4 7	SURFACE MOUNTED POTENTIOMETER	ST-3A 200 OHMS 20%	T1002049
R	14 101 170 316 451 470 614 701 770	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	1000 1010 1020	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	191 491 791 1002 1005 1006 1007 1012 1013 1016 1017	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	778	SURFACE MOUNTED RESISTOR	%%%RR0603 75 OHMS 5%1/16W K250	T9000954
R	161 461 761	SURFACE MOUNTED RESISTOR	%%%RR0603 1,2 KOHM 5%1/16WK250	T9000980
R	50 350 390 410 650	SURFACE MOUNTED RESISTOR	%%%RR0603 3 KOHMS 5% 1/16W K	T9000989
R	164 464 764	SURFACE MOUNTED RESISTOR	%%%RR0603 3,6 KOHMS 5% 1/16W K	T9000991
R	11 311 611	SURFACE MOUNTED RESISTOR	%%%RR0603 150 OHMS 5% 1/16W	T9001034
R	178 478 500 501	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	160 460 760	SURFACE MOUNTED RESISTOR	%%%RR0603 910 OHMS 5% 1/16W	T9001053
R	177 477 777	SURFACE MOUNTED RESISTOR	%%%RR0603 75 KOHMS 5% 1/16W	T9001074
R	315	SURFACE MOUNTED RESISTOR	%%%RR0603 120 KOHMS 5% 1/16W	T9001078
R	71 371 431 671	SURFACE MOUNTED RESISTOR	%%%RR0603 180 KOHMS 5% 1/16W	T9001082
R	73 320 373 433 673	SURFACE MOUNTED RESISTOR	%%%RR0603 390 KOHMS 5% 1/16W	T9001090
R	180 480 780	SURFACE MOUNTED RESISTOR	RC2211 75 OHMS 0,5% 1/5W K50	T9001105
R	163 179 190 463 479 490 763 779 790	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	91 802 1004 1011 1014	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	1001 1003 1015 1021	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	81 103 441 453 681 703	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	165 465 765	SURFACE MOUNTED RESISTOR	RR0603 1,5 KOHM 1% 1/10W K100	T9005133
R	12 30 41 80 100 312 330 341 380 400 440 450 612 630 641 680 700	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	13 31 40 313 331 340 381 401 613 631 640	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	174 474 766 774	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	166 466	SURFACE MOUNTED RESISTOR	RR0603 301 OHM 1% 1/10W K100	T9005160
R	1166 1466	SURFACE MOUNTED RESISTOR	RR0603 825 OHM 1% 1/10W K100	T9005171
R	10 310 610	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	72 322 372 432 672	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
R	200	SURFACE MOUNTED RESISTOR	RR0603 475 KOHM 1% 1/10W K100	T9005208
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	1000 1010	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 400 600	SURFACE MOUNTED INTEGR.CIRCUIT	*M*74HC4053 SO16P -40+85	99137357
Z	160 460 760	SURFACE MOUNTED INTEGR.CIRCUIT	LT1229CS8 SO8P 0+70	T1001991
Z	1020	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464

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47032487 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1 110 111	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	100 101 102 103	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP [L6] [LH]	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 [G1]	99123959
RESISTOR				
R	106	SURFACE MOUNTED RESISTOR	%%%RR0603 6,8 KOHMS 5% 1/16W K	T9000998
R	130	SURFACE MOUNTED RESISTOR	%%%RR0603 150 OHMS 5% 1/16W	T9001034
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 240 OHMS 5% 1/16W	T9001039
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	110	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	105	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	112	SURFACE MOUNTED RESISTOR	RR0603 681 OHM 1% 1/10W K100	T9005169
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T900518B
INTEGRATED CIRCUIT				
Z	100A	TERMINAL STRIP	1-16-D-F-127-Y1	T9001445

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4A150066 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1 110 111	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	100 101 102 103	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP (L6) (LH)	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 (G1)	99123959
RESISTOR				
R	106	SURFACE MOUNTED RESISTOR	%%%RR0603 6,8 KOHMS 5% 1/16W K	T9000998
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 240 OHMS 5% 1/16W	T9001039
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	110	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	105	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	112 130	SURFACE MOUNTED RESISTOR	RR0603 681 OHM 1% 1/10W K100	T9005169
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
INTEGRATED CIRCUIT				
Z	100A	TERMINAL STRIP	1-16-D-F-127-Y1	T9001445

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47033338AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	100	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 10V DOC.	96103240
C	151 453	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	454	SURFACE MOUNTED CAPACITOR	CC0805B-1CG 220 PF 5% 100V	99187396
C	211	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	420 430	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	15 18 19 24 212 213 280	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	20 21	SURFACE MOUNTED CAPACITOR	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	103 110	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	452 600	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	202 203 205 206	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	111	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	201 204	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	602	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	451	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	112	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	105 106	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	214 217 218 219 220 221	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	210	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	101 102 104 120 150 200 300 410 421 431 450 470 500 510	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	450	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	600	SURFACE MOUNTED DIODE	BAR18 SOT23 [D76]	99123948
CR	100 101	SURFACE MOUNTED DIODE	BBY31 SOT23 [S1]	T1001594
CONNECTOR (FIXED)				
J	30A 31A	NUT	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
J	30B 31B	SCREW	C M1.6X4 U INOX A2.70 PASS	99084621
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	102	SURFACE MOUNTED INDUCTOR	E558CNA-100036 (79NH)	T1002677
L	100 101 110	INDUCTOR	TR021 3,3 MICROHENRYS 2%	T9000502
L	120 150 210	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	16 17 18	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
RESISTOR				
R	16	SURFACE MOUNTED POTENTIOMETER	ST-3A 5 KOHMS 20%	T1002027
R	12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 500 OHMS 20%	T1002085
R	210 212 213 215 219 222 229 230 236 243 405 480	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	102	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	101	SURFACE MOUNTED RESISTOR	%%%RR0603 2,7 KOHMS 5% 1/16W K	T9000988
R	110	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	240 241 242	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	451	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	120	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	452	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	601 602	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	150 411 412 430 431 432 433 454	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	123 267 268 269 270 271 272	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	201 203	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	160 217 223 224 225 226 227 233 234 235 251 252 253 254 255 256 257 258 259 260 261 262 265 266 273 300 420 421 422 423 425 426 427 453 600	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	200 202	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	455	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 17	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	200 450	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	300 410 470 510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	500	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	210	SURFACE MOUNTED INTEGR.CIRCUIT	MN5218 QF128	T1002923
Z	600	SURFACE MOUNTED INTEGR.CIRCUIT	SN74HC08B SO14P -40+85	T1005659
Z	120 480	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74AC109 SO16P -40+85	T9001535
Z	400	SURFACE MOUNTED EEPROM	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604

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4A150641AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	100	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 10V DOC.	96103240
C	151 453	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	454	SURFACE MOUNTED CAPACITOR	CC0805B-1CG 220 PF 5% 100V	99187396
C	19 24 212 213	SURFACE MOUNTED CAPACITOR	CTC3D 47MF 20% 16V	T1006086
C	103 110	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	452 600	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	202 203 205 206	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	111	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	201 204	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	602	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	451	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	112	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	105 106	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0.25PF 63V	T9000978
C	214 217 218 219 220 221	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	210	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	15	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	430	SURFACE MOUNTED CAPACITOR	CTC3D 33MF 20% 10V	T9003283
C	18 20 21	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	211	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	171	SURFACE MOUNTED CAPACITOR	CC0603-2C1 820 PF 10% 63V	T9003519
C	101 102 104 120 150 170 200 300 410 450 500 510 610	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	450	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	600	SURFACE MOUNTED DIODE	BAR18 SOT23 [D76]	99123948
CR	100 101	SURFACE MOUNTED DIODE	BBY31 SOT23 [S1]	T1001594
CONNECTOR (FIXED)				
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	102	SURFACE MOUNTED INDUCTOR	E558CNA-100036 (79NH)	T1002677
L	100 101 110	INDUCTOR	TRO21 3,3 MICROHENRYS 2%	T9000502
L	120 150 210	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	16 17 18	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
RESISTOR				
R	16	SURFACE MOUNTED POTENTIOMETER	ST-3A 5 KOHMS 20%	T1002027
R	12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 500 OHMS 20%	T1002085
R	212 228 230 236 243 405 480	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	102	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	101	SURFACE MOUNTED RESISTOR	%%%RR0603 2,7 KOHMS 5% 1/16W K	T9000988
R	110	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	240 241 242	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	451	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	120	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	452	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	601 602	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	150 170 411 412 430 431 432 433 454	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	123 267 268 269 270 271 272	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	201 203	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	160 210 214 216 218 220 224 225 226 227 233 234 235 251 252 253 254 255 256 257 258 261 262 265 273 453 600 611 613	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	200 202	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	455	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 17 18 19	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	200 450	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	600	SURFACE MOUNTED INTEGR.CIRCUIT	74HC08 SO14P -40+85	99137356
Z	170	SURFACE MOUNTED INTEGR.CIRCUIT	74HC123 SO16P -40+85	99138868
Z	300 410 510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	500	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	610	SURFACE MOUNTED INTEGR.CIRCUIT	74HCT164 SO14P -40+85	T9000898
Z	120	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74AC109 SO16P -40+85	T9001535
Z	400	SURFACE MOUNTED EEPROM	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604
Z	210	SURFACE MOUNTED INTEGR.CIRCUIT	MN5280 QF128	T9004588

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4A150637AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	402	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	100 101 111 121 130 134 141 150 151 170 401 430 480 530 700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	112 122 160 200 212 213 242 243 270 291	SURFACE MOUNTED CAPACITOR	CTC3D 47MF 20% 16V	T1006086
C	140	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	132 133 152 153 171	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	380 390	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	203 204 205 206 207 208 233 234 235 236 237 238 250 263 264 265 266 267 268 293 294 295 296 297 298 450 460	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	110 120 180 190	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	210 280 281	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	102 131	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	1 154 209 290	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	400 431 481 531	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	440 490 540	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	380 390 420	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED DIODE	BZX84C5V1 SOT23 [Z2]	99111196
CR	202 203 204 232 233 234 262 263 264 292 293 294	SURFACE MOUNTED DIODE	BAW56 SOT23 [A1]	99111266
CR	130 150	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
CONNECTOR (FIXED)				
J	40 50 60	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
J	41	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	380	SURFACE MOUNTED TRANSISTOR	BFT93 PNP SOT23	342016
Q	430 480 530	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	410	SURFACE MOUNTED TRANSISTOR	SO2894 PNP SOT23	99110324
Q	400	SURFACE MOUNTED TRANSISTOR	*0*SO2369A NPNSOT23	99110325
Q	110 120 140 170	SURFACE MOUNTED TRANSISTOR	BCX19 NPN SOT23 [U1]	99123949
Q	160	SURFACE MOUNTED TRANSISTOR	BCX17 PNP SOT23 [T1]	99123957
Q	390	SURFACE MOUNTED TRANSISTOR	BFR93A NPN SOT23	T9001765
RESISTOR				
R	10 11 12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 50 KOHMS 20%	T1002025
R	201 260 381 408 441 444 491 494 541 544 556	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	217 247	SURFACE MOUNTED RESISTOR	RC2211 1 KOHM 0,5% 1/5W K50	T9000924
R	133 153 401	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	400 410	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	600 602 604	SURFACE MOUNTED RESISTOR	%%%RR0603 39 OHMS 5%1/16W K250	T9000947
R	431 481 531	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	114	SURFACE MOUNTED RESISTOR	%%%RR0603 13 KOHMS 5% 1/16W	T9001056
R	152	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	115 125	SURFACE MOUNTED RESISTOR	%%%RR0603 27 KOHMS 5% 1/16W	T9001063
R	171	SURFACE MOUNTED RESISTOR	%%%RR0603 39 KOHMS 5% 1/16W	T9001067
R	216 246	SURFACE MOUNTED RESISTOR	RC2211 3,32 KOHM 0,5% 1/5W K50	T9001115
R	110 111 112 120 121 122	SURFACE MOUNTED RESISTOR	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	202 205 206 209 212 215 232 235 236 239 240 243 262 265 266 269 270 273 292 295 296 299 300 303 601 603 605	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	100 101 124 130 132 150 151 430 432 480 482 530 532	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	203 204 207 208 213 214 233 234 237 238 241 242 263 264 267 268 271 272 293 294 297 298 301 302 422	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	450 451 452 453 454 455 460 461 462 463 464 465 470 471 472 473 474 475	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	390	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	403 405 407 409 412	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	391	SURFACE MOUNTED RESISTOR	RR0603 2,21KOHM 1% 1/10W K100	T9005137
R	113 123 131 140 160 170	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	700 701 702 703 704 705 706 707 708 709 710	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	141 172	SURFACE MOUNTED RESISTOR	RR0603 22,1KOHM 1% 1/10W K100	T9005180
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	440 490 540	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 210 220 260 270 290 555	SURFACE MOUNTED INTEGR.CIRCUIT	CXD1268M SO20P DRIVER CCD	T1002961
Z	450 460 470	SURFACE MOUNTED INTEGR.CIRCUIT	74ACT04 SO14P -40+85	T9000059
Z	100 130 150	SURFACE MOUNTED INTEGR.CIRCUIT	082 SO8P -40+85	T9000867
Z	180 190	SURFACE MOUNTED INTEGR.CIRCUIT	4426 0+70 SOP8(.15)	T9001665

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4A150634AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	103 104	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	140	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 3,3PF+-0,25PF 63V	T9000975
C	130	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	1	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	2	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	100 101 102	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
TRANSISTOR				
Q	140	SURFACE MOUNTED TRANSISTOR	BFT93 PNP SOT23	342016
Q	130	SURFACE MOUNTED TRANSISTOR	BFR93A NPN SOT23	T9001765
RESISTOR				
R	108 133	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	132	SURFACE MOUNTED RESISTOR	%%%RR0603 1,8 KOHM 5%1/16WK250	T9000984
R	105 107 109 111 112	SURFACE MOUNTED RESISTOR	%%%RR0603 3,9 KOHMS 5% 1/16W K	T9000992
R	131	SURFACE MOUNTED RESISTOR	%%%RR0603 360 OHMS 5% 1/16W	T9001043
R	140	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	114	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	100 101 130	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	141	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	103	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
INTEGRATED CIRCUIT				
Z	1000A 1000B	IC SOCKET	SC2S64Y1B (BARRETTE FEMELLE)	T9000353

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4A150641BA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	100	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 10V DOC.	96103240
C	151 453	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	454	SURFACE MOUNTED CAPACITOR	CC0805B-1CG 220 PF 5% 100V	99187396
C	19 24 212 213	SURFACE MOUNTED CAPACITOR	CTC3D 47MF 20% 16V	T1006086
C	103 110	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	452 600	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	202 203 205 206	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	111	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	201 204	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	602	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	451	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	112	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	105 106	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	214 217 218 219 220 221	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	210	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	15	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	430	SURFACE MOUNTED CAPACITOR	CTC3D 33MF 20% 10V	T9003283
C	18 20 21	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	211	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	171	SURFACE MOUNTED CAPACITOR	CC0603-2C1 820 PF 10% 63V	T9003519
C	101 102 104 120 150 170 200 300 410 450 500 510 610	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	450	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	600	SURFACE MOUNTED DIODE	BAR18 SOT23 [D76]	99123948
CR	100 101	SURFACE MOUNTED DIODE	BBY31 SOT23 [S1]	T1001594
CONNECTOR (FIXED)				
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	102	SURFACE MOUNTED INDUCTOR	E558CNA-100036 (79NH)	T1002677
L	100 101 110	INDUCTOR	TRO21 3,3 MICROHENRYS 2%	T9000502
L	120 150 210	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	16 17 18	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
RESISTOR				
R	16	SURFACE MOUNTED POTENTIOMETER	ST-3A 5 KOHMS 20%	T1002027
R	12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 500 OHMS 20%	T1002085
R	211 229 230 236 243 405 480	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	102	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	101	SURFACE MOUNTED RESISTOR	%%%RR0603 2,7 KOHMS 5% 1/16W K	T9000988
R	110	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	240 241 242	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	451	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	120	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	452	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	601 602	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	150 170 411 412 430 431 432 433 454	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	123 267 268 269 270 271 272	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	201 203	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	160 210 214 216 218 220 224 225 226 227 233 234 235 251 252 253 254 255 256 257 258 261 262 265 273 453 600 611 613	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	200 202	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	455	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 17 18 19	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	200 450	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	600	SURFACE MOUNTED INTEGR.CIRCUIT	74HC08 SO14P -40+85	99137356
Z	170	SURFACE MOUNTED INTEGR.CIRCUIT	74HC123 SO16P -40+85	99138868
Z	300 410 510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	500	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	610	SURFACE MOUNTED INTEGR.CIRCUIT	74HCT164 SO14P -40+85	T9000898
Z	120 480	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74AC109 SO16P -40+85	T9001535
Z	400	SURFACE MOUNTED EEPROM	1KX16/2KX8 1MHZ 3MA SOBP-40+85	T9001604
Z	210	SURFACE MOUNTED INTEGR.CIRCUIT	MN5280 QF128	T9004588

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46150605AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	151 453	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	19 24 212	SURFACE MOUNTED CAPACITOR	CTC3D 47MF 20% 16V	T1006086
C	160	SURFACE MOUNTED CAPACITOR	CC0805B-2C1 4,7 NF 10% 100V	T9000333
C	213 280	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	103 110	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	452 600	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	202 203 205 206 451 454	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	105 106	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 12 PF 5% 63V	T9000958
C	111	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	215	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	201 204	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	602	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	112	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	214 217 218 219 220 221	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	211	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	210	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	100	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	15	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	420 430	SURFACE MOUNTED CAPACITOR	CTC3D 33MF 20% 10V	T9003283
C	18 20 21	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	101 102 104 120 150 200 300 421 431 450 500 510	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	450	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	600	SURFACE MOUNTED DIODE	BAR18 SOT23 [D76]	99123948
CR	100 101	SURFACE MOUNTED DIODE	BBY31 SOT23 [S1]	T1001594
CONNECTOR (FIXED)				
J	30 31	SURFACE MOUNTED CONNECTOR	004861 (EFD-50S)	T1001949
J	32 33	SURFACE MOUNTED CONNECTOR	52103-1617 (EFC-16S)	T1002412
INDUCTOR				
L	102	SURFACE MOUNTED INDUCTOR	E558CNA-100037 (94NH)	T1002832
L	100 101 110	INDUCTOR	TR021 3,3 MICROHENRYS 2%	T9000502
L	120 150 210	SURFACE MOUNTED INDUCTOR	LC1812 2,7 UH 10% -40+85	T9001005
L	16 17 18	SURFACE MOUNTED INDUCTOR	LC2220 4,7UH 10% (OR11)	T9001334
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
RESISTOR				
R	16	SURFACE MOUNTED POTENTIOMETER	ST-3A 5 KOHMS 20%	T1002027
R	12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 500 OHMS 20%	T1002085
R	210 212 213 215 219 222 228 230 243 405 456 457 480	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	102	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	101	SURFACE MOUNTED RESISTOR	%%%RR0603 2,7 KOHMS 5% 1/16W K	T9000988
R	110	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	240 241 242	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	451	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	120	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	452	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	601 602	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	150 430 431 432 433 454	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	123 267 268 269 270 271 272	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	201 203	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	10 160 217 223 224 225 226 227 233 234 235 236 251 252 253 254 255 256 257 258 259 260 261 262 265 266 302 420 421 422 423 424 425 426 427 453 600	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	200 202	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	161 455	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 17 50	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	220	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 450	SURFACE MOUNTED INTEGR.CIRCUIT	74HC221 SO16P -40+85	365123
Z	160	SURFACE MOUNTED INTEGR.CIRCUIT	74HC123 SO16P -40+85	99138868
Z	300 510	SURFACE MOUNTED INTEGR.CIRCUIT	74HC74 SO14P -40+85	99142001
Z	500	SURFACE MOUNTED INTEGR.CIRCUIT	74HC86 SO14P -40+85	99142998
Z	120 480	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464
Z	150	SURFACE MOUNTED INTEGR.CIRCUIT	74AC109 SO16P -40+85	T9001535
Z	400	SURFACE MOUNTED EEPROM	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604
Z	210	SURFACE MOUNTED INTEGR.CIRCUIT	MN5239 QF128	T9004287

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	402	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	100 101 111 121 130 134 141 150 151 170 430 480 530 700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	3 190 200 201 221	SURFACE MOUNTED CAPACITOR	CTC3D 47MF 20% 16V	T1006086
C	140	SURFACE MOUNTED CAPACITOR	CAC66 10 MF 20% 50V -40+105	T9000691
C	132 133 153 171	SURFACE MOUNTED CAPACITOR	CAC66 22 MF 20% 35V -40+105	T9000692
C	112 122 160	SURFACE MOUNTED CAPACITOR	CAC66 47 MF 20% 16V -40+105	T9000693
C	380 390	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	431 481 531	SURFACE MOUNTED CAPACITOR	CAC46 10MF 20% 16V -55+105	T9001328
C	203 204 205 206 207 208 233 234 235 236 237 238 250 263 264 265 266 267 268 293 294 295 296 297 298 423 450 460 555 556	SURFACE MOUNTED CAPACITOR	CTC3B 6,8MF 20% 10V	T9001366
C	110 120	SURFACE MOUNTED CAPACITOR	CTC3B 4,7MF 20% 16V	T9001370
C	102 131 152 290 482	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	1 2 154 212 222 242 291	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	400	SURFACE MOUNTED CAPACITOR	CTC3C 10UF 20% 16V POLARISE	T9003419
C	440 490 540	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	380 390 420	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	202 203 204 232 233 234 262 263 264 292 293 294 555	SURFACE MOUNTED DIODE	BAW56 SOT23 [A1]	99111266
CR	130 150	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
DIODE				
CRZ	700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED DIODE	BZX84C5V6 SOT23 [Z3]	99123960
CONNECTOR (FIXED)				
J	40 50 60	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
J	41	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	390	SURFACE MOUNTED TRANSISTOR	BFR92A NPN SOT23	342011
Q	430 480 530	SURFACE MOUNTED TRANSISTOR	S03904 NPN SOT23	99110321
Q	410	SURFACE MOUNTED TRANSISTOR	S02894 PNP SOT23	99110324
Q	400	SURFACE MOUNTED TRANSISTOR	*0*S02369A NPNSOT23	99110325
Q	380	SURFACE MOUNTED TRANSISTOR	BFT92 PNP SOT23 [W1]	99116854
Q	110 120 140 170	SURFACE MOUNTED TRANSISTOR	BCX19 NPN SOT23 [U1]	99123949
Q	160	SURFACE MOUNTED TRANSISTOR	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	10 11 12 13	SURFACE MOUNTED POTENTIOMETER	ST-3A 50 KOHMS 20%	T1002025
R	173 200 382 441 444 491 494 541 544 551 552	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	217 247	SURFACE MOUNTED RESISTOR	RC2211 1 KOHM 0,5% 1/5W K50	T9000924
R	113 119 133 153 160 401 433 483 533	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	400 410	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	600 602 604	SURFACE MOUNTED RESISTOR	%%%RR0603 39 OHMS 5%1/16W K250	T9000947
R	123	SURFACE MOUNTED RESISTOR	%%%RR0603 6,2 KOHMS 5% 1/16W K	T9000997
R	431 481 531	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	114	SURFACE MOUNTED RESISTOR	%%%RR0603 12 KOHMS 5% 1/16W	T9001055
R	152 432 482 532	SURFACE MOUNTED RESISTOR	%%%RR0603 20 KOHMS 5% 1/16W	T9001060
R	115 124	SURFACE MOUNTED RESISTOR	%%%RR0603 27 KOHMS 5% 1/16W	T9001063
R	171	SURFACE MOUNTED RESISTOR	%%%RR0603 43 KOHMS 5% 1/16W	T9001068
R	174	SURFACE MOUNTED RESISTOR	RR0603 430 KOHMS 5% 1/16W K250	T9001091
R	216 246	SURFACE MOUNTED RESISTOR	RC2211 3,32 KOHM 0,5% 1/5W K50	T9001115
R	110 111 112 120 121 122	SURFACE MOUNTED RESISTOR	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	202 205 206 209 212 215 232 235 236 239 240 243 262 265 266 269 270 273 292 295 296 299 300 303 555 558	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	100 101 130 132 150 151 423 430 480 530	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	203 204 207 208 213 214 233 234 237 238 241 242 263 264 267 268 271 272 293 294 297 298 301 302 422 556 557	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	450 451 452 453 454 455 460 461 462 463 464 465 470 471 472 473 474 475	SURFACE MOUNTED RESISTOR	RR0603 15 OHM 1% 1/10W K100	T9005118
R	390	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	391	SURFACE MOUNTED RESISTOR	RR0603 2,21KOHM 1% 1/10W K100	T9005137
R	424	SURFACE MOUNTED RESISTOR	RR0603 4,75KOHM 1% 1/10W K100	T9005145
R	131 140 170	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	700 701 702 703 704 705 706 707 708 709 710 711 712	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	141 172	SURFACE MOUNTED RESISTOR	RR0603 22,1KOHM 1% 1/10W K100	T9005180
TEST POINT				
TP	1 2 4 5 6 7 8 9 10 11 12 13 14 15	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	440 490 540	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 210 220 260 270 290 550	SURFACE MOUNTED INTEGR.CIRCUIT	CXD1268M SO20P DRIVER CCD	T1002961
Z	450 460 470	SURFACE MOUNTED INTEGR.CIRCUIT	74ACT04 SO14P -40+85	T9000059
Z	100 130 150	SURFACE MOUNTED INTEGR.CIRCUIT	082 SO8P -40+85	T9000867
Z	180 190	SURFACE MOUNTED INTEGR.CIRCUIT	4426 0+70 SOP8(.15)	T9001665

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46150619AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	83 102 361 373 661 673	SURFACE MOUNTED ADJUST.CAPA	ECR-JA006A11 (2,5/6 PF 100V)	91612112
C	103 701	SURFACE MOUNTED ADJUST.CAPA	ECR-JA010A11 3,5/10PF 100V	91621499
C	70 320 370 430 670	SURFACE MOUNTED CAPACITOR	CTC3A 1MF 20% 16V	99142711
C	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	101 372 672	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 1,5PF+-0,25PF 63V	T9000973
C	82 360 660	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	41 341 641	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	71 371 431 620 671	SURFACE MOUNTED CAPACITOR	CC0603-2C1 10NF 10% 63V	T9001016
C	190 191 490 491 790 791	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	165 465 765	SURFACE MOUNTED CAPACITOR	CC0603-1CG-J 5,6PF+-0,25PF 63V	T9001194
C	200 310 600	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 16V	T9001718
C	1 2 3 4 5 6 90	SURFACE MOUNTED CAPACITOR	CTC3D 68UF 20% 16V	T9003349
C	500 501	SURFACE MOUNTED CAPACITOR	CTC3E 100UF 10% 16V TANTALE	T9004239
C	451	SURFACE MOUNTED ADJUST.CAPA	ECR-JA050M (8.5/50PF 100V)	T9004246
C	30 42 60 163 164 330 420 463 464 630 642 662 763 764 1000 1010 1020	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
DIODE				
CR	70 320 370 430 670	SURFACE MOUNTED DIODE	BAS16 SOT23	99110304
CR	10 100 310 610 1310 1610	SURFACE MOUNTED DIODE	BAV99 SOT23	99116852
DELAY LINE				
DL	1 2 3	SURFACE MOUNTED DELAY LINE	DPI S14-GW 40NS 220 OHMS	T1002112
CONNECTOR (FIXED)				
J	31 32 33	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	34	SURFACE MOUNTED CONNECTOR	52103-0817 (EFC-8S)	T1002088
INDUCTOR				
L	190 191 490 491 790 791	SURFACE MOUNTED INDUCTOR	LC1812 1,8 MICROHENRY 10%	T9001178
L	1 2	SURFACE MOUNTED INDUCTOR	LC2220 22 UH 10% (OR09)	T9001335
CONNECTOR (MOBILE)				
P	35	SURFACE MOUNTED CONNECTOR	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	40 80 100 340 380 400 440 450 640 680 700	SURFACE MOUNTED TRANSISTOR	SST309 NFET SOT23	91688015
Q	50 350 390 410 650	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	10 30 310 330 610 630	SURFACE MOUNTED TRANSISTOR	SO3906 PNP SOT23	99110322
Q	20 60 70 320 360 370 420 430 620 660 670	SURFACE MOUNTED TRANSISTOR	BSD22 FET SOT143 [M32]	T1000318
RESISTOR				
R	6	SURFACE MOUNTED POTENTIOMETER	ST-4B 5 KOHMS 20%	91619672
R	3	SURFACE MOUNTED POTENTIOMETER	ST-4B 2 KOHMS 20%	91619677
R	9	SURFACE MOUNTED POTENTIOMETER	ST-4B 500 OHMS 20%	91620902
R	2 5 8	SURFACE MOUNTED POTENTIOMETER	ST-3A 20 KOHMS 20%	T1002026
R	1 4 7	SURFACE MOUNTED POTENTIOMETER	ST-3A 200 OHMS 20%	T1002049
R	14 101 170 316 451 470 614 701 770	SURFACE MOUNTED RESISTOR	RR0603 0 OHM 1/16W K250	T9000877
R	1000 1010 1020	SURFACE MOUNTED RESISTOR	%%%RR0603 10 OHMS 5%1/16W K250	T9000933
R	191 491 791 1002 1005 1006 1007 1012 1013 1016 1017	SURFACE MOUNTED RESISTOR	%%%RR0603 33 OHMS 5%1/16W K250	T9000945
R	778	SURFACE MOUNTED RESISTOR	%%%RR0603 75 OHMS 5%1/16W K250	T9000954
R	161 461 761	SURFACE MOUNTED RESISTOR	%%%RR0603 1,2 KOHM 5%1/16WK250	T9000980
R	50 350 390 410 650	SURFACE MOUNTED RESISTOR	%%%RR0603 3 KOHMS 5% 1/16W K	T9000989
R	164 464 764	SURFACE MOUNTED RESISTOR	%%%RR0603 3,6 KOHMS 5% 1/16W K	T9000991
R	11 311 611	SURFACE MOUNTED RESISTOR	%%%RR0603 150 OHMS 5% 1/16W	T9001034
R	178 478 500 501	SURFACE MOUNTED RESISTOR	%%%RR0603 470 OHMS 5% 1/16W	T9001046
R	160 460 760	SURFACE MOUNTED RESISTOR	%%%RR0603 910 OHMS 5% 1/16W	T9001053
R	177 477 777	SURFACE MOUNTED RESISTOR	%%%RR0603 75 KOHMS 5% 1/16W	T9001074
R	315	SURFACE MOUNTED RESISTOR	%%%RR0603 120 KOHMS 5% 1/16W	T9001078
R	71 371 431 671	SURFACE MOUNTED RESISTOR	%%%RR0603 180 KOHMS 5% 1/16W	T9001082
R	73 320 373 433 673	SURFACE MOUNTED RESISTOR	%%%RR0603 390 KOHMS 5% 1/16W	T9001090
R	180 480 780	SURFACE MOUNTED RESISTOR	RC2211 75 OHMS 0,5% 1/5W K50	T9001105
R	163 179 190 463 479 490 763 779 790	SURFACE MOUNTED RESISTOR	RR0603 1 KOHM 1% 1/10W K100	T9005114
R	91 802 1004 1011 1014	SURFACE MOUNTED RESISTOR	RR0603 10 KOHM 1% 1/10W K100	T9005115
R	1001 1003 1015 1021	SURFACE MOUNTED RESISTOR	RR0603 100 KOHM 1% 1/10W K100	T9005116
R	81 103 441 453 681 703	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	165 465 765	SURFACE MOUNTED RESISTOR	RR0603 1,5 KOHM 1% 1/10W K100	T9005133
R	12 30 41 80 100 312 330 341 380 400 440 450 612 630 641 680 700	SURFACE MOUNTED RESISTOR	RR0603 2 KOHM 1% 1/10W K100	T9005136
R	13 31 40 313 331 340 381 401 613 631 640	SURFACE MOUNTED RESISTOR	RR0603 100 OHM 1% 1/10W K100	T9005153
R	166 174 466 474 766 774	SURFACE MOUNTED RESISTOR	RR0603 221 OHM 1% 1/10W K100	T9005157
R	10 310 610	SURFACE MOUNTED RESISTOR	RR0603 15 KOHM 1% 1/10W K100	T9005176
R	72 322 372 432 672	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
R	200	SURFACE MOUNTED RESISTOR	RR0603 475 KOHM 1% 1/10W K100	T9005208
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
W	21	WIRE	WF 108 GAINE BLANCHE	91308918
INTEGRATED CIRCUIT				
Z	1000 1010	SURFACE MOUNTED INTEGR.CIRCUIT	74AC08 SO14P -40+85	364081
Z	200 400 600	SURFACE MOUNTED INTEGR.CIRCUIT	*M*74HC4053 SO16P -40+85	99137357
Z	160 460 760	SURFACE MOUNTED INTEGR.CIRCUIT	LT1229CS8 SO8P 0+70	T1001991
Z	1020	SURFACE MOUNTED INTEGR.CIRCUIT	74AC04 SO14P -40+85	T9001464

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1 110 111	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	100 101 102 103	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP [L6] [LH]	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 [G1]	99123959
RESISTOR				
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 240 OHMS 5% 1/16W	T9001039
R	130	SURFACE MOUNTED RESISTOR	%%%RR0603 300 OHMS 5% 1/16W	T9001041
R	112	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	105 106 110	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
TEST POINT				
TP	1	SURFACE MOUNTED TERMINAL PIN	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	1000A 1000B	TERMINAL STRIP	1-16-D-F-127-Y1	T9001445

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46150617AA SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	104 105	SURFACE MOUNTED CAPACITOR	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1 110 111	SURFACE MOUNTED CAPACITOR	CTC3D 22MF 20% 20V	T9003002
C	100 101 102 103	SURFACE MOUNTED CAPACITOR	CC0805B-X7R 100 NF 10% 50V	T9004666
CONNECTOR (FIXED)				
J	2	SURFACE MOUNTED CONNECTOR	52103-0417 (EFC-4S)	T1002087
J	1	SURFACE MOUNTED CONNECTOR	52103-1817 (EFC-18S)	T1002545
TRANSISTOR				
Q	110	SURFACE MOUNTED TRANSISTOR	SO3904 NPN SOT23	99110321
Q	120	SURFACE MOUNTED TRANSISTOR	BF569 PNP [L6] [LH]	99123887
Q	130	SURFACE MOUNTED TRANSISTOR	BFS20 NPN SOT23 [G1]	99123959
RESISTOR				
R	121	SURFACE MOUNTED RESISTOR	%%%RR0603 240 OHMS 5% 1/16W	T9001039
R	112 130	SURFACE MOUNTED RESISTOR	%%%RR0603 560 OHMS 5% 1/16W	T9001048
R	131	SURFACE MOUNTED RESISTOR	RC2211 4,7 OHMS 2% 1/5W K50	T9001168
R	100 101 102 103 120	SURFACE MOUNTED RESISTOR	RR0603 47,5 OHM 1% 1/10W K100	T9005124
R	132	SURFACE MOUNTED RESISTOR	RR0603 68,1 OHM 1% 1/10W K100	T9005127
R	105 106 110	SURFACE MOUNTED RESISTOR	RR0603 3,32KOHM 1% 1/10W K100	T9005141
R	104 111	SURFACE MOUNTED RESISTOR	RR0603 47,5KOHM 1% 1/10W K100	T9005188
INTEGRATED CIRCUIT				
Z	1000A 1000B	TERMINAL STRIP	1-16-D-F-127-Y1	T9001445

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	5		BRIDE DE CI SOUPLE	39965412
	7	ECROU	ECROU H M1,6 U INOX.A4 PASSIVE	99059909
	6	VIS	C M1.6X4 U INOX A2.70 PASS	99084621
CAPACITOR				
C	15	CONDENSATEUR FIXE	036-58-229 22 MF +-20% 63V	91555074
C	12	CONDENSATEUR CHIPS	CC1812B-2C1 0,22 MF 10% 63V	T9000044
C	151	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	11	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	1 2 3	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	462 483	CONDENSATEUR CHIPS	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	653	CONDENSATEUR CHIPS	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	10 100 120 150 200 210 220 230 240 300 301 310 400 440 441 450 451 460 461 470 471 480 481 500 501 510 520 550 551 570 571 600 601 620 621 650 651	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	444	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	464	CONDENSATEUR CHIPS	CC0603-1CG-J 3,3PF+-0,25PF 63V	T9000975
C	442	CONDENSATEUR CHIPS	CC0603-1CG-J 5,6PF+-0,25PF 63V	T9001194
C	602	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
DIODE				
CR	130 150	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	140 240	DIODE CMS	BAV99 SOT23	99116852
CR	10 460	DIODE CMS	BAV70 SOT23 [A4] [JJ]	99123890
CR	600	DIODE CMS	BAR18 SOT23 [D76]	99123948
DIODE				
CRZ20		DIODE CMS	BZX84C5V1 SOT23 [Z2]	99111196
CONNECTOR (FIXED)				
J	1	CONNECTEUR	DO2-50P-T	91552971
J	205	CONNECTEUR	LX-6P-DLT1-P1	T1001245
J	203	CONNECTEUR CMS	52103-2217 (EFC-22S)	T1001953
J	201	CONNECTEUR CMS	52103-1017 (EFC-10S)	T1002086
J	204	CONNECTEUR CMS	52103-0417 (EFC-4S)	T1002087
J	301 504 505	CONNECTEUR CMS	52103-0817 (EFC-8S)	T1002088
J	302 303	CONNECTEUR CMS	52103-1617 (EFC-16S)	T1002412
J	401 402	CONNECTEUR CMS	52103-1817 (EFC-18S)	T1002545
J	101 102 104 105 152 155	CONNECTEUR CMS	EFD2X25+#S#-SMCB#-M1,27D4-D##	T9003131
TRANSISTOR				
Q	170 180 320	TRANSISTOR CMS	2N7002 SOT23 [702] [72AB]	91685632
Q	290 330	TRANSISTOR CMS	BCW70 PNP SOT23 [H2]	99110309
Q	10 30 130	TRANSISTOR CMS	SO4392 NFET SOT23	99110320
Q	140	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	250 260 270 280	TRANSISTOR CMS	BC847C NPN SOT23 [1G]	99181285
Q	160	TRANSISTOR CMS	VN5030OT NFET SOT23 (VO1)	T1001470
RESISTOR				
R	463	POTENTIOMETRE CMS	ST-3A 200 OHMS 20%	T1002049
R	572	RESISTANCE CHIPSE	RR0603 6.8KOHM 0,5% 1/16W K25	T1005957
R	571 573 575	RESISTANCE CHIPSE	RR0603 4.7KOHM 0,5% 1/16W K25	T1005958
R	140 178 179 200 201 202 203 240 310 570 654	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	120 133 141 195 320 321	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	12 100 102 103 104 105 131 142 151 152 162 204 210 220 336 400 450 462 510 601	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	330	RESISTANCE CHIPSE	RR0603 22 OHMS 5% 1/16W K250	T9000941
R	443 444 480 620	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	472 606	RESISTANCE CHIPSE	RR0603 4,3 KOHMS 5% 1/16W K250	T9000993
R	252 260 270 280 290 309 574	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	471 605	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	15 30	RESISTANCE CHIPSE	RR0603 6,2 KOHMS 5% 1/16W K250	T9000997
R	441	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	442	RESISTANCE CHIPSE	RR0603 9,1 KOHMS 5% 1/16W K250	T9001001
R	40 41 311 312	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	10 161	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	16 31 482 651	RESISTANCE CHIPSE	RR0603 330 OHMS 5% 1/16W K250	T9001042
R	20 21 22 24 25 43	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	440	RESISTANCE CHIPSE	RR0603 20 KOHMS 5% 1/16W K250	T9001060
R	170	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	101	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	552 553	RESISTANCE CHIPSE	RR0603 270 KOHMS 5% 1/16W K250	T9001086
R	550 551	RESISTANCE CHIPSE	RR0603 390 KOHMS 5% 1/16W K250	T9001090
R	150	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	19 130 132 160 470 604	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	17	RESISTANCE CHIPSE	RR0603 3.3 MEGHOM 5% 1/16W	T9001103
R	23 26 28 501 602 603 653	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	301 303 460 464 500 655	RESISTANCE CHIPSE	RC603 1 KOHMS 0.5% 1/16W K50	T9001763
R	461	RESISTANCE CHIPSE	RC603 909 OHMS 0.5% 1/16W 50K	T9001792
R	300 302 481 483 650 652	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	600	RESISTANCE CHIPSE	RC603 820 OHMS 0.5% 1/16W 50K	T9003354
R	18	RESISTANCE CHIPSE	%%%RR0805 10MOHM 10% 1/10W	T9003622
TEST POINT				
TP	1 2 3 4 175 176 177 440 460 480 500 620 650 651	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	100	CIRCUIT INTEGRE CMS	393 SO8P 0+70 (LM393)	99126288
Z	10	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	460 470 600	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	520	CIRCUIT INTEGRE CMS	*M*74HC138 SO16P -40+85	99142171
Z	450 550	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	570	CIRCUIT INTEGRE CMS	LMC6482AIM SO8P -40+85	T1002656
Z	440 480 500 620 650	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	120 150 400 510	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	300	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	240	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	210	CIRCUIT INTEGRE CMS	*M*74HC4515 SO24P -40+85	T9001318
Z	220	CIRCUIT INTEGRE CMS	74HC4514 SO24P -40+85	T9001319
Z	200	CIRCUIT INTEGRE CMS	74HC367 SO16P -40+85	T9001349
Z	310	CIRCUIT INTEGRE CMS	74HC125 SO14P -40+85	T9001569
Z	230	MEMOIRE EEPROM CMS	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	2		DOUILLE	39965351
	2A	RONDELLE	POUR DOUILLE A SERTIR	47018101
	BT 210	PILE	3AS-0 (3V 45MAH)	T1002993
CAPACITOR				
C	582 583 684	CONDENSATEUR CHIPS	CTC3A 0,47MF 20% 25V BOC.	96103224
C	585 586 682 683 764 765	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	171	CONDENSATEUR CHIPS	CC0805B-1CG 100 PF 5% 100V	99187412
C	551 553 781 783	CONDENSATEUR CHIPS	*M*CTC3D 47MF 20% 16V	T1006086
C	832	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	282 1005	CONDENSATEUR CHIPS	CC0603-1CG-J 330 PF 5% 63V	T9000872
C	100 110 111 112 113 140 170 190 210 211 220 230 240 250 280 281 300 301 302 310 311 312 320 340 400 410 420 450 460 461 462 463 550 552 580 581 610 611 630 631 650 651 653 654 655 680 681 700 701 710 711 760 761 763 780 782 830 831 880 910 930 931 940 941 942 950 951 1000 1001 1002 1003 1004 1006 1007 1030 1040 1041 1060 1070 1071 1080 1081 1200 1210 1240 1250 1260 1280 1380 1400 1420 1421 1430	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	762 932	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	634	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	114 115 150 151	CONDENSATEUR CHIPS	CC0603-1CG-J 33 PF 5% 63V	T9000962
C	321	CONDENSATEUR CHIPS	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	800	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	584 587 933 954 1220 1221	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	600 784	CONDENSATEUR CHIPS	CC1210B-1CG 10NF 10% 50/63V	T9001368
C	785	CONDENSATEUR CHIPS	CC0805-1CG-J 1 NF 5% 50/63V	T9001369
C	221 231 652	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
C	1251 1252 1253 1254	CONDENSATEUR CHIPS	CAC46 1MF 20% 50V -55+105	T9001770
C	5 1082 1100	CONDENSATEUR CHIPS	CTC3D 22MF 20% 20V	T9003002
C	1 2 3 4 109 464 1201 1255	CONDENSATEUR CHIPS	CTC3D 68UF 20% 16V	T9003349
DIODE				
CR	1400	DIODE CMS	BAR43S SOT23 [DA5]	91605873
CR	830	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	680	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL140		DIODE ELECTROLUMINESCENTE CMS	LSS260-DO SOT23 ROUGE	306024
CRL110 1220		DIODE ELECTROLUMINESCENTE CMS	LGS260-DO VERTE	91613459
DIODE				
CRZ1240 1241 1242 1243		DIODE CMS	BZX84C15 SOT23 [Y4]	99111201
FUSE				
F	1	FUSIBLE CMS	SMD125-2 1,25A IT-2,5A	T1007028
CONNECTOR (FIXED)				
J	502	CONNECTEUR CMS	52103-1017 (EFC-10S)	T1002086
J	503	CONNECTEUR CMS	52103-1217 (EFC-12S)	T1002118
J	401 402	CONNECTEUR CMS	52103-1817 (EFC-18S)	T1002545
INDUCTOR				
L	460 461 462 463	INDUCTANCE CMS	LC1812 6,8 MICROHENRYS 10%	T9001193
L	1 2 3 4	INDUCTANCE CMS	LC2220 4,7UH 10% (0R09)	T9001334
TRANSISTOR				
Q	1440	TRANSISTOR CMS	2N7002 SOT23 [702] [72AB]	91685632
Q	560 790 800 820	TRANSISTOR CMS	BCV62A PNP SOT143	T9001248
Q	600	TRANSISTOR CMS	BCV61B NPN SOT143	T9001555
RESISTOR				
R	664	POTENTIOMETRE CMS	ST-3A 10 KOHMS 20%	T1001973
R	649 687	POTENTIOMETRE CMS	ST-3A 50 KOHMS 20%	T1002025
R	764	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	791	RESISTANCE CHIPSE	RR0603 4,32KOHM 0,5% 1/16W K25	T1005980
R	1102	RESISTANCE CHIPSE	RC603 249KOHMS 0,5% 1/16W K50	T1005981
R	1104	RESISTANCE CHIPSE	RC603 220KOHMS 0,5% 1/16W K50	T1005984
R	121 142 151 280 283 311 321 323 460 580 581 600 610 832 935 1100 1220 1261	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	149 250 450 451 452 453 685 780 934 951 1018 1045 1401 1402 1405	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	122 123 124 125 126 143 144 145 146 152 153 154 155 170 171 172 180 181 190 200 240 282 350 351 400 401 402 403 404 405 406 407 410 411 412 413 414 415 416 417 420 421 422 423 424 425 426 633 634 635 681 880 881 882 883 884 885 910 940 941 942 1040 1070 1071 1072 1073 1074 1075 1112 1113 1200 1201 1211 1214 1215 1216 1222 1223 1400 1403 1404 1408 1410 1411 1420 1421 1430 1431	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	1 101 110 115 129 184 461 462 631	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	820	RESISTANCE CHIPSE	RR0603 1,1 KOHM 5% 1/16W K250	T9000979
R	821	RESISTANCE CHIPSE	RR0603 1,2 KOHM 5% 1/16W K250	T9000980
R	562	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	583 932	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	127 931 1272 1273	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	831	RESISTANCE CHIPSE	RR0603 2,4 KOHMS 5% 1/16W K250	T9000987
R	601	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	760	RESISTANCE CHIPSE	RR0603 3 KOHMS 5% 1/16W K250	T9000989
R	561 822	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	763	RESISTANCE CHIPSE	RR0603 3,9 KOHMS 5% 1/16W K250	T9000992
R	112 113 116 117 118 119 120 128 141 1107 1260 1262	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	710 830 930	RESISTANCE CHIPSE	RR0603 5,1 KOHMS 5% 1/16W K250	T9000995
R	650 653 761	RESISTANCE CHIPSE	RR0603 7,5 KOHMS 5% 1/16W K250	T9000999
R	582	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	550 630 792 933 1240 1241 1263 1264 1271 1407 1409	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	130 131 132 133 134 135 156 157 943 1202 1203 1204	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	322	RESISTANCE CHIPSE	RR0603 270 OHMS 5% 1/16W K250	T9001040
R	560	RESISTANCE CHIPSE	RR0603 910 OHMS 5% 1/16W K250	T9001053
R	612 1001 1003 1005	RESISTANCE CHIPSE	RR0603 12 KOHMS 5% 1/16W K250	T9001055
R	210	RESISTANCE CHIPSE	RR0603 13 KOHMS 5% 1/16W K250	T9001056
R	658 762	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	656	RESISTANCE CHIPSE	RR0603 18 KOHMS 5% 1/16W K250	T9001059
R	684 781 1002 1004 1006 1406	RESISTANCE CHIPSE	RR0603 20 KOHMS 5% 1/16W K250	T9001060
R	251 680 682 683 950	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	613	RESISTANCE CHIPSE	RR0603 24 KOHMS 5% 1/16W K250	T9001062
R	611 800	RESISTANCE CHIPSE	RR0603 27 KOHMS 5% 1/16W K250	T9001063
R	100 114 1212 1217 1250 1422	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	652	RESISTANCE CHIPSE	RR0603 51 KOHMS 5% 1/16W K250	T9001070
R	614	RESISTANCE CHIPSE	RR0603 56 KOHMS 5% 1/16W K250	T9001071
R	657	RESISTANCE CHIPSE	RR0603 62 KOHMS 5% 1/16W K250	T9001072
R	211	RESISTANCE CHIPSE	RR0603 75 KOHMS 5% 1/16W K250	T9001074
R	1085	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	655	RESISTANCE CHIPSE	RR0603 110 KOHMS 5% 1/16W K250	T9001077

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	654	RESISTANCE CHIPSE	RR0603 120 KOHMS 5% 1/16W K250	T9001078
R	1213	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	686	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	651 1041	RESISTANCE CHIPSE	RR0603 300 KOHMS 5% 1/16W K250	T9001087
R	1210	RESISTANCE CHIPSE	RR0603 390 KOHMS 5% 1/16W K250	T9001090
R	310	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	300	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K250	T9001096
R	111 150 1083 1224	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	660	RESISTANCE CHIPSE	RC2211 9,09 KOHM 0,5% 1/5W K50	T9001298
R	659	RESISTANCE CHIPSE	RC2211 16,2 KOHM 0,5% 1/5W K50	T9001406
R	662	RESISTANCE CHIPSE	RC2211 90,9 KOHM 0,5% 1/5W K50	T9001420
R	790	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	1042	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	663	RESISTANCE CHIPSE	RC603 75KOHMS 0,5% 1/16W 50K	T9001814
R	1105	RESISTANCE CHIPSE	RC603 19,1KOHMS 0,5% 1/16W 50K	T9001821
R	1043 1044 1080 1081 1103 1106	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	1101	RESISTANCE CHIPSE	RC603 13,3 KOHMS 0,5% 1/16W 50	T9003527
R	661	RESISTANCE CHIPSE	RC603 261K 0,5% 1/16W K50	T9003829
SWITCH				
S	880	COMMUTATEUR CMS	KSC221G	T1002532
TEST POINT				
TP	1 2 3 4 6 310 311 610 680 700 780 830 880 881 882 883 930 940 941 1040	PLOT CMS	RCT00000C	T1002596
QUARTZ				
Y	110	OSCILLATEUR CERAMIQUE CMS	CSACS8MT RESONATEUR MOS 8MHZ	T1002473
Y	150	QUARTZ	HC49/S 7,3728 MHZ SERIE 50PPM	T9000410
INTEGRATED CIRCUIT				
Z	450	CIRCUIT INTEGRE PROGRAMME	Z 450	47017008
Z	1210	CIRCUIT INTEGRE CMS	393 SO8P 0+70 (LM393)	99126288
Z	710 830	CIRCUIT INTEGRE CMS	311 SO8P 0+70 (LM311)	99129838
Z	150 350 1220	CIRCUIT INTEGRE CMS	74HC04 SO14P -40+85	99137355
Z	180 910 1280	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	310 940 1070 1420	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	1430	CIRCUIT INTEGRE CMS	74HC32 SO14P -40+85	99142000
Z	170	CIRCUIT INTEGRE CMS	*M*74HC138 SO16P -40+85	99142171
Z	650	CIRCUIT INTEGRE CMS	064 SO14P 0+70 (TL064)	99165468
Z	580 680	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	210	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	1030	CIRCUIT INTEGRE CMS	LM35DM SO8P 0+100	T1002466
Z	320	CIRCUIT INTEGRE CMS	MB88321PF DF24P -30+70	T1002469
Z	280 930 1040 1080 1100	CIRCUIT INTEGRE CMS	LMC6482AIM SO8P -40+85	T1002656
Z	300	CIRCUIT INTEGRE CMS	GS4881-IKA -20+85 (SO8P)	T1005134
Z	110	MICROPROCESSEUR CMS	MC68302FC25C QFP132P 0+70	T1005164
Z	450	MEMOIRE EPROM CMS	EPC1213LC-20 PLCC20 0+70	T1005271
Z	1250	CIRCUIT INTEGRE CMS	MAX242CWN 0+70 SOL18P	T1005322
Z	1060	CIRCUIT INTEGRE CMS	MAX 504ESD	T1005776
Z	200	CIRCUIT INTEGRE CMS	74ACT00 SO14P -40+85	T9000055
Z	190 240	CIRCUIT INTEGRE CMS	74ACT32 SO14P -40+85	T9000079
Z	400 410 420 880 1400	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	1000	CIRCUIT INTEGRE CMS	ADC10 14US 2LSB SO20P -40+85	T9000710
Z	700	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	610 760	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	550 630 780 950	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	100A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-8P-0P-S ENCOCHE	T9001122
Z	1200	CIRCUIT INTEGRE CMS	74HC367 SO16P -40+85	T9001349
Z	1380	CIRCUIT INTEGRE CMS	74HC4075 SO14P -40+85	T9001421
Z	1240 1260	CIRCUIT INTEGRE CMS	485CS SO8P 0+70	T9001556
Z	140	CIRCUIT INTEGRE CMS	74HC125 SO14P -40+85	T9001569
Z	250	MEMOIRE EEPROM CMS	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604
Z	450A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC20-8P-0P-S	T9001723
Z	460		EPF8452AQC-4 QFP160P 0+70	T9004021
Z	220 230	MEMOIRE RAM STATIQUE CMS	32KX8 70NS 70/0.25MA SO28P -25	T9004787

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	25		LANGUETTE	39964910
	10	FACE AVANT	*S36**ANALOGIQUE PROCESS	46152325
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	20	RONDELLE	520201-80	91280717
	35	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	15	VIS	C M2X5 U 22CND17-12 PASSIVE	99071508
CAPACITOR				
C	520 1520 2520	CONDENSATEUR FIXE	S99 1C 475 KC1 4,7MF +-10% 16V	91552510
C	482 1482 2482	CONDENSATEUR VARIABLE CMS	ECR-JA006A11 (2,5/6 PF 100V)	91612112
C	483 486 1483 1486 2483 2486	CONDENSATEUR CHIPS	*M*CTC3D 47MF 20% 16V	T1006086
C	3052 3053	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	126	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	250 260 392 485 1392 1485 2392 2485	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	1 2 3 4 124 431 432 1432 1433 1434 2431 2432 3020 3030 3040 3064 3084 4004	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	370 1370 2370	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	590 1590 2590	CONDENSATEUR CHIPS	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	320 1320 2320	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	120 121 122 123 210 211 251 261 290 291 302 322 350 352 380 382 390 391 400 402 420 421 434 481 490 570 700 701 702 710 711 712 1290 1291 1293 1294 1302 1322 1350 1352 1380 1382 1390 1391 1400 1402 1420 1421 1436 1437 1481 1490 1491 1492 1570 1710 1711 1712 2290 2291 2302 2322 2350 2352 2380 2382 2390 2391 2400 2402 2420 2421 2434 2435 2436 2481 2490 2491 2492 2570 2700 2701 2702 2710 2711 2712 3000 3010 3050 3051 3060 3061 3080 3081 4000 4001 4020	CONDENSATEUR CHIPS	CC0805-2C1-J 0.1MF 10% 25V	T9000957
C	480 1480 2480 3062 3082 4002	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	358 1358 2358 3063 3083 4003 5000	CONDENSATEUR CHIPS	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	303 430 1303 1430 2303 2430	CONDENSATEUR CHIPS	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	354 357 1354 1357 2354 2357	CONDENSATEUR CHIPS	CC0603-1CG-J 120 PF 5% 63V	T9000968
C	5025	CONDENSATEUR CHIPS	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	355 2355	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	101 125 160 161	CONDENSATEUR CHIPS	CC0603-2C1-J 1NF 10% 63V	T9001015
C	100 180 433 484 600 1330 1331 1431 1460 1484 2433 2484 2600	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	1435 1630	CONDENSATEUR CHIPS	CAC46 10MF 20% 16V -55+105	T9001328
C	201 393 394 1292 1393 1394 2393 2394	CONDENSATEUR CHIPS	CTC3B 6,8MF 20% 10V	T9001366
C	1355	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 2% 63V	T9001586
C	181	CONDENSATEUR CHIPS	CC0805B-2C1 47NF 10% 50/63V	T9001702
C	200 362 1362 2362	CONDENSATEUR CHIPS	CC0603-2C1-J 470PF 5% 63V	T9001781
CONNECTOR (FIXED)				
J	102	CONNECTEUR	LX-6P-DLT1-P1	T1001245
INDUCTOR				
L	200 222	INDUCTANCE CMS	LC1812 47 MICROHENRYS 10%	T9001008
L	350 351 1350 1351 2350 2351	INDUCTANCE CMS	LC1812 1,8 MICROHENRY 10%	T9001178
L	1 2 3 4	INDUCTANCE CMS	LC2220 22 UH 10% (OR09)	T9001335
CONNECTOR (MOBILE)				
P	101A		433620 10 CLAVETTES SUR PEIGNE	T1002726
P	101	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	520 1520 2520	TRANSISTOR CMS	BCW70 PNP SOT23 [H2]	99110309
Q	200 540 580 650 1460 1540 1580 2540 2580	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	470 590 700 1470 1590 1700 2470 2590 2610	TRANSISTOR CMS	SO3906 PNP SOT23	99110322
Q	510 550 600 1510 1550 1600 2510 2550 2600	TRANSISTOR CMS	BFS17 NPN SOT23 [E1]	99113627
Q	560 570 1560 1570 2560 2570	TRANSISTOR CMS	BF569 PNP [L6] [LH]	99123887
Q	500 1500 2500 3020 3030 3040	TRANSISTOR CMS	BC847C NPN SOT23 [1G]	99181285
Q	3070 3090 4010	TRANSISTOR CMS	BSS83 NFET SOT143	T9001425
RESISTOR				
R	322 1322 2322	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	31 41 51	POTENTIOMETRE CMS	ST-3A 20 KOHMS 20%	T1002026
R	32 42 52	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	34 35 54 55	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	36 46 56	POTENTIOMETRE CMS	ST-4H 5 KOHMS 20%	T1002045
R	21	POTENTIOMETRE CMS	ST-3A 100 KOHMS 20%	T1002181
R	160 500 510 1500 1510 2500 2510 4020 5024	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	181 250 260 651 1450 1461 3063 3064 3083 3084 4003 4004	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	100 291 321 438 1291 1321 1332 2291 2321 2438 3050 3053	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	201 489 1489 2489 3062 3082 4002	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	1630	RESISTANCE CHIPSE	RR0603 1,3 KOHM 5% 1/16W K250	T9000981
R	1550	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	540 1540 2540	RESISTANCE CHIPSE	RR0603 1,8 KOHM 5% 1/16W K250	T9000984
R	551 1551 2251	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	202 212 570 590 652 1462 1570 1590 2570 2590	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	600 1601 2600	RESISTANCE CHIPSE	RR0603 2,4 KOHMS 5% 1/16W K250	T9000987
R	161	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	580 1580 2580	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	1435	RESISTANCE CHIPSE	RR0603 3,6 KOHMS 5% 1/16W K250	T9000991
R	1631	RESISTANCE CHIPSE	RR0603 3,9 KOHMS 5% 1/16W K250	T9000992
R	313 365 434 483 571 1313 1365 1434 1483 1571 2313 2365 2434 2483 2571 3020 3030 3040	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	19 314 511 1314 1511 2314 2511 3060 3061 3080 3081 4000 4001	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	501 1501 2501	RESISTANCE CHIPSE	RR0603 7,5 KOHMS 5% 1/16W K250	T9000999
R	370 1370 2370 5000	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	480 481 1480 1481 2480 2481	RESISTANCE CHIPSE	RR0603 150 OHMS 5% 1/16W K250	T9001034
R	561 1561 2561	RESISTANCE CHIPSE	RR0603 180 OHMS 5% 1/16W K250	T9001036
R	320 502 572 601 1320 1502 1572 2320 2502 2572 2601	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	355 400 451 485 1355 1400 1451 1485 2355 2400 2451 2485	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	560 1560 2560	RESISTANCE CHIPSE	RR0603 680 OHMS 5% 1/16W K250	T9001050
R	550 1600 2250	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	200 290 1290 2290	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	650 1460	RESISTANCE CHIPSE	RR0603 18 KOHMS 5% 1/16W K250	T9001059
R	312 430 431 432 433 1312 1430 1431 1432 1433 2312 2430 2431 2432 2433	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	310 1310 2310	RESISTANCE CHIPSE	RR0603 27 KOHMS 5% 1/16W K250	T9001063
R	292 1292 2292	RESISTANCE CHIPSE	RR0603 30 KOHMS 5% 1/16W K250	T9001064
R	350 1350 2350	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	309 1309 2309	RESISTANCE CHIPSE	RR0603 51 KOHMS 5% 1/16W K250	T9001070
R	482 1482 2482	RESISTANCE CHIPSE	RR0603 68 KOHMS 5% 1/16W K250	T9001073
R	180 308 1308 1330 1331 2308	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	101	RESISTANCE CHIPSE	RR0603 150 KOHMS 5% 1/16W K250	T9001080
R	3052 3055	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	121	RESISTANCE CHIPSE	RR0603 240 KOHMS 5% 1/16W K250	T9001085
R	311 1311 2311	RESISTANCE CHIPSE	RR0603 270 KOHMS 5% 1/16W K250	T9001086

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	352 401 1352 1401 2352 2401	RESISTANCE CHIPSE	RR0603 300 KOHMS 5% 1/16W K25O	T9001087
R	120	RESISTANCE CHIPSE	RR0603 360 KOHMS 5% 1/16W K25O	T9001089
R	3054	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K25O	T9001096
R	3051	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K25O	T9001100
R	712 1713 2712	RESISTANCE CHIPSE	RC2211 5,05 KOHM 0,5% 1/5W K5O	T9001223
R	211	RESISTANCE CHIPSE	RC3715 110 OHMS 0,25% 1/4W K25	T9001279
R	210	RESISTANCE CHIPSE	RC3715 1,6 KOHM 0,25% 1/4W K25	T9001608
R	353 592 1353 1592 2353 2592	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K5O	T9001760
R	354 484 486 1354 1484 1486 2354 2484 2486	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K5O	T9001763
R	381 1381 2381	RESISTANCE CHIPSE	RC603 330 OHMS 0,5% 1/16W K5O	T9001764
R	701 2701	RESISTANCE CHIPSE	RC603 464 OHMS 0,5% 1/16W 50K	T9001790
R	711 1711 2711	RESISTANCE CHIPSE	RC603 909 OHMS 0,5% 1/16W 50K	T9001792
R	1714	RESISTANCE CHIPSE	RC603 1,6 KOHMS 0,5% 1/16W 50	T9001793
R	380 1294 1380 2380	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	581 1581 2581	RESISTANCE CHIPSE	RC603 2,05KOHMS 0,5% 1/16W 50K	T9001796
R	487 488 704 1487 1488 2487 2488 2704	RESISTANCE CHIPSE	RC603 2,15KOHMS 0,5% 1/16W 50K	T9001797
R	403 1403 2403	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	366 1366 2366	RESISTANCE CHIPSE	RC603 3,65KOHMS 0,5% 1/16W 50K	T9001802
R	1293	RESISTANCE CHIPSE	RC603 4,64KOHMS 0,5% 1/16W 50K	T9001803
R	583 1583 2583	RESISTANCE CHIPSE	RC603 4,22KOHMS 0,5% 1/16W 50K	T9001808
R	700 705 706 2700 2705 2706	RESISTANCE CHIPSE	RC603 51,1KOHMS 0,5% 1/16W 50K	T9001810
R	436 437 1437 1438 2436 2437	RESISTANCE CHIPSE	RC603 100 OHMS 0,5% 1/16W K5O	T9001812
R	293 404 1404 2293 3234	RESISTANCE CHIPSE	RC603 1,8 KOHMS 0,5% 1/16W 5O	T9001813
R	702 703 1490 1491 2420 2421 2702 2703	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	402 1402 2402	RESISTANCE CHIPSE	RC603 12,1KOHMS 0,5% 1/16W 50K	T9001818
R	351 1351 2351	RESISTANCE CHIPSE	RC603 17,4KOHMS 0,5% 1/16W 50K	T9001819
R	710 1710 2710	RESISTANCE CHIPSE	RC603 24,9KOHMS 0,5% 1/16W 50K	T9001824
R	1712	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	2490 2491	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	203 205	RESISTANCE CHIPSE	RC3715 470 OHMS 0,25% 1/4W K25	T9001830
R	582 1582 2582	RESISTANCE CHIPSE	RC603 665 OHMS 0,5% 1/16W 50K	T9003239
TEST POINT				
TP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 16 18 20 21 22 23 24 25 28 30 31 32 33 34 38	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	100 160 180 1330	CIRCUIT INTEGRE CMS	*M*PC74HC4538T SO16P -40+85	91680869
Z	110 370 1370 2370	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	4020	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	120 290 430 490 1290 1430 1490 2290 2430 2490	CIRCUIT INTEGRE CMS	O62 SO8P O+70 (TLO62)	99175378
Z	1630	CIRCUIT INTEGRE CMS	AD847JR SO8P O+70	T1000607
Z	3050	CIRCUIT INTEGRE CMS	LMC6482AIM SO8P -4O+85	T1002656
Z	210 380 1380 2380	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	350 400 1350 1400 2350 2400	CIRCUIT INTEGRE CMS	CLC505AJE SO8 -40 +85	T1005344
Z	390 1390 2390	CIRCUIT INTEGRE CMS	AD603AR SO8 -40 +85	T1005345
Z	3010	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	300 420 700 710 1300 1420 1710 2300 2420 2700 2710 3060 3080 4000	CIRCUIT INTEGRE CMS	O82 SO8P -40+85	T9000867
Z	320 450 1320 1450 2320 2450	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	410 1410 2410	CIRCUIT INTEGRE CMS	DG541 SO16P -40+85	T9000913
Z	3000	CIRCUIT INTEGRE CMS	DAC08X12 R-2R DF20P -20+85	T9001104
Z	1720	CIRCUIT INTEGRE CMS	LT1009 SO8P O+70	T9001265
Z	480 1480 2480	CIRCUIT INTEGRE CMS	1496 SO14P O+70	T9001554

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	25		LANGUETTE	39964910
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	10		FACE AV ANALOG PROCESS	46153112AB
	20	RONDELLE	520201-80	91280717
	35	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	15	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	581 1581 2581	CONDENSATEUR VARIABLE CMS	ECR-JA01OA11 3,5/10PF 100V	91621499
C	1 2 4 33 3064 3084 4004	CONDENSATEUR CHIPS	*M*CTC3D 47MF 20% 16V	T1006086
C	3052 3053	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	1361	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	354 357 1354 1357 1360 2354 2357	CONDENSATEUR CHIPS	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	320 1320 2320	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	210 211 290 291 302 350 352 380 382 390 391 400 402 403 570 700 701 702 710 711 712 1290 1291 1293 1294 1302 1350 1352 1380 1382 1390 1391 1400 1402 1403 1436 1437 1491 1492 1570 1710 1711 1712 2290 2291 2302 2350 2352 2380 2382 2390 2391 2400 2402 2403 2570 2700 2701 2702 2710 2711 2712 3000 3010 3050 3051 3060 3061 3080 3081 4000 4001 4020	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	3062 3082 4002	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	355 1355 2355	CONDENSATEUR CHIPS	CC0603-1CG-J 33 PF 5% 63V	T9000962
C	3063 3083 4003 5000	CONDENSATEUR CHIPS	CC0603-1CG-J 39 PF 5% 63V	T9000963
C	303 1303 2303	CONDENSATEUR CHIPS	CC0603-1CG-J 56 PF 5% 63V	T9000965
C	5025	CONDENSATEUR CHIPS	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	590 1590 2590	CONDENSATEUR CHIPS	CC0603-1CG-J 3,3PF+-0,25PF 63V	T9000975
C	1580	CONDENSATEUR CHIPS	CC0603-1CG-J 4,7PF+-0,25PF 63V	T9000976
C	180 600 2600	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	358 1358 2358	CONDENSATEUR CHIPS	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	1435	CONDENSATEUR CHIPS	CAC46 10MF 20% 16V -55+105	T9001328
C	393 394 1292 1393 1394 2393 2394	CONDENSATEUR CHIPS	CTC3B 6,8MF 20% 10V	T9001366
C	520 1520 2520	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
C	1356	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 2% 63V	T9001586
C	181	CONDENSATEUR CHIPS	CC0805B-2C1 47NF 10% 50/63V	T9001702
C	200	CONDENSATEUR CHIPS	CC0603-2C1-J 470PF 5% 63V	T9001781
INDUCTOR				
L	350 351 1351	INDUCTANCE CMS	LC1812 22 MICROHENRYS 10%	T9001007
L	200 222	INDUCTANCE CMS	LC1812 47 MICROHENRYS 10%	T9001008
L	1350 2350 2351	INDUCTANCE CMS	LC1812 1,8 MICROHENRY 10%	T9001178
L	1 2 3 4	INDUCTANCE CMS	LC2220 22 UH 10% (ORO9)	T9001335
CONNECTOR (MOBILE)				
P	101	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	200 540 580 1540 1580 2540 2580	TRANSISTOR CMS	SD3904 NPN SOT23	99110321
Q	590 1360 1590 2590	TRANSISTOR CMS	SD3906 PNP SOT23	99110322
Q	550 600 1550 1600 2550 2600	TRANSISTOR CMS	BFS17 NPN SOT23 (E1)	99113627
Q	560 570 1560 1570 2560 2570	TRANSISTOR CMS	BF569 PNP (L6) (LH)	99123887
Q	3070 3090 4010	TRANSISTOR CMS	BSS83 NFET SOT143	T9001425
RESISTOR				
R	34 35 54 55	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	36 46 56	POTENTIOMETRE CMS	ST-4H 5 KOHMS 20%	T1002045
R	21	POTENTIOMETRE CMS	ST-3A 100 KOHMS 20%	T1002181
R	211	RESISTANCE CHIPSE	RC3715 130 OHMS 1% 1/4W K50	T9000564
R	300 1300 2300 4020 5024	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	111 181 3063 3064 3083 3084 4003 4004	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	291 1291 1360 2291 3050 3053	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	512 1512 2512	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	201 3062 3082 4002	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	1550	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	540 1540 2540	RESISTANCE CHIPSE	RR0603 1,8 KOHM 5% 1/16W K250	T9000984
R	551 1551 2551	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	202 212 570 590 1363 1435 1570 1590 2570 2590	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	560 600 1560 1601 2560 2600	RESISTANCE CHIPSE	RR0603 2,4 KOHMS 5% 1/16W K250	T9000987
R	1362	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	580 1580 2580	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	313 571 1313 1571 2313 2571	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	314 1314 2314 3060 3061 3080 3081 4000 4001	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	370 1364 1370 2370 5000	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	1361	RESISTANCE CHIPSE	RR0603 150 OHMS 5% 1/16W K250	T9001034
R	320 572 601 1320 1572 2320 2572 2601	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	355 1355 2355	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	561 1561 2561	RESISTANCE CHIPSE	RR0603 620 OHMS 5% 1/16W K250	T9001049
R	550 1600 2550	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	290 1290 2290	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	312 1312 2312	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	310 1310 2310	RESISTANCE CHIPSE	RR0603 27 KOHMS 5% 1/16W K250	T9001063
R	292 1292 2292	RESISTANCE CHIPSE	RR0603 30 KOHMS 5% 1/16W K250	T9001064
R	110	RESISTANCE CHIPSE	RR0603 39 KOHMS 5% 1/16W K250	T9001067
R	350 1350 2350	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	309 1309 2309	RESISTANCE CHIPSE	RR0603 51 KOHMS 5% 1/16W K250	T9001070
R	180 308 1308 2308	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	3052 3055	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	311 1311 2311	RESISTANCE CHIPSE	RR0603 270 KOHMS 5% 1/16W K250	T9001086
R	352 401 1352 1401 2352 2401	RESISTANCE CHIPSE	RR0603 300 KOHMS 5% 1/16W K250	T9001087
R	1303	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	3054	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K250	T9001096
R	3051	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	210	RESISTANCE CHIPSE	RC3715 1,6 KOHM 0,25% 1/4W K25	T9001608
R	353 592 1353 1592 2353 2592	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	354 403 1354 1403 2354 2403	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	381 1381 2381	RESISTANCE CHIPSE	RC603 330 OHMS 0,5% 1/16W K50	T9001764
R	390 1390 2390	RESISTANCE CHIPSE	RR0603 332 OHMS 0,5% 1/16W K25	T9001789
R	391 701 1391 2391 2701	RESISTANCE CHIPSE	RC603 464 OHMS 0,5% 1/16W 50K	T9001790
R	349 356 711 1349 1356 1711 2349 2356 2711	RESISTANCE CHIPSE	RC603 909 OHMS 0,5% 1/16W 50K	T9001792
R	1714	RESISTANCE CHIPSE	RC603 1,6 KOHMS 0,5% 1/16W 50	T9001793
R	380 1294 1380 2380	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	581 1581 2581	RESISTANCE CHIPSE	RC603 2,05KOHMS 0,5% 1/16W 50K	T9001796
R	704 2704	RESISTANCE CHIPSE	RC603 2,15KOHMS 0,5% 1/16W 50K	T9001797
R	366 1366 2366	RESISTANCE CHIPSE	RC603 3,65KOHMS 0,5% 1/16W 50K	T9001802
R	1293	RESISTANCE CHIPSE	RC603 4,64KOHMS 0,5% 1/16W 50K	T9001803
R	712 1713 2712	RESISTANCE CHIPSE	RC603 5,05KOHMS 0,5% 1/16W 50K	T9001809
R	700 705 706 2700 2705 2706	RESISTANCE CHIPSE	RC603 51,1KOHMS 0,5% 1/16W 50K	T9001810
R	702 703 1490 1491 2420 2421 2702 2703	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	351 1351 2351	RESISTANCE CHIPSE	RC603 17,4KOHMS 0,5% 1/16W 50K	T9001819
R	710 1710 2710	RESISTANCE CHIPSE	RC603 24,9KOHMS 0,5% 1/16W 50K	T9001824
R	1712	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	2490 2491	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	203 205	RESISTANCE CHIPSE	RC3715 470 OHMS 0,25% 1/4W K25	T9001830
R	582 1582 2582	RESISTANCE CHIPSE	RC603 665 OHMS 0,5% 1/16W 50K	T9003239
TEST POINT				
TP	3 6 7 8 9 10 11 12 13 14 16 18 20 21 22 23 24 28	PLOT CMS	RCT00000C	T1002596

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
TEST POINT				
	TP 30 31 32 33 34 38	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	180	CIRCUIT INTEGRE CMS	*M*PC74HC4538T SO16P -40+85	91580869
Z	110 370 1370 2370	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	4020	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	290 1290 1430 1490 2290	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	9917537B
Z	3050	CIRCUIT INTEGRE CMS	LMC6482AIM SO8P -40+85	T1002656
Z	210 380 1380 2380	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	350 400 1350 1400 2350 2400	CIRCUIT INTEGRE CMS	CLC505AJE SO8 -40 +85	T1005344
Z	390 1390 2390	CIRCUIT INTEGRE CMS	AD603AR SO8 -40 +85	T1005345
Z	3010	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	300 700 710 1300 1710 2300 2420 2700 2710 3060 3080 4000	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	320 450 1320 1450 2320 2450	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	3000	CIRCUIT INTEGRE CMS	DAC08X12 R-2R DF20P -20+85	T9001104
Z	1720	CIRCUIT INTEGRE CMS	LT1009 SO8P 0+70	T9001265

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	10	FACE AVANT	*S36** DIGITAL PROCESS	46152324
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	12	RONDELLE	520201-80	91280717
	35	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	11	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	732 752 772	CONDENSATEUR VARIABLE CMS	ECR-JA020E (4.5/20PF 100V)	91612109
C	80	CONDENSATEUR CHIPS	CTC3B 2,2MF 20% 20V DOC.	96103241
C	14 18 23	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	622 623 624 912 1072 1082	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	13 17 20 22 24 30 40 60 107 108 110 111 122 123 125 130 131 140 141 151 162 163 167 168 170 171 207 208 222 223 225 230 231 240 241 262 263 267 268 270 271 307 308 322 323 325 330 331 340 341 362 363 367 368 370 371 402 403 404 405 406 407 408 409 412 413 414 415 416 417 418 419 420 421 422 430 431 432 433 434 435 438 439 500 510 520 540 600 601 602 603 610 611 612 613 614 615 620 621 633 634 663 664 670 671 672 673 693 694 703 704 730 731 740 741 750 751 760 761 770 771 780 781 790 791 795 796 797 798 799 800 801 820 821 830 831 832 840 900 916 917 923 924 943 944 963 964 1010 1011 1020 1021 1030 1031 1040 1041 1050 1051 1060 1061 1070 1071 1080 1081 1090 1091 1092 1093 1100 1101 1102 1103 1200 1201 1202 1203	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	920 922 940 942 960 962	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	160 161 260 261 360 361 926 946 966	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	21 25 31 109 150 209 309 400 401 410 411 436 437 705 706 710 711 720 721	CONDENSATEUR CHIPS	CAC46 10MF 20% 16V -55+105	T9001328
C	700 701	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 2% 63V	T9001587
C	100 103 200 203 300 303	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 2% 63V	T9001588
C	101 201 301 707	CONDENSATEUR CHIPS	CC0603-1CG-G 330 PF 2% 63V	T9001754
C	102 202 302 631 661 691	CONDENSATEUR CHIPS	CC0603-1CG-G 270 PF 2% 63V	T9001755
C	635 665 695	CONDENSATEUR CHIPS	CC0603-1CG-G 100 PF 2% 63V	T9001756
C	630 632 660 662 690 692	CONDENSATEUR CHIPS	CC0603-1CG-G 120 PF 2% 63V	T9001759
C	120 121 220 221 320 321	CONDENSATEUR CHIPS	CAC46 1MF 20% 50V -55+105	T9001770
C	702	CONDENSATEUR CHIPS	CC0603-2C1-J 680 PF 10% 63V	T9003568
CONNECTOR (FIXED)				
J	102 152	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
INDUCTOR				
L	100 101 200 201 300 301	INDUCTANCE CMS	NL252018T-2R7J 2,7UH 5%	T1005386
L	630 631 660 661 690 691	INDUCTANCE CMS	NL252018T-1R8J 1,8UH 5%	T1005388
L	500 520	INDUCTANCE CMS	NL252018T-220J 22UH 5%	T1005470
L	16 17 19 22 24 30	INDUCTANCE CMS	LC2220 22 UH 10% (0R09)	T9001335
L	920 921 940 941 960 961	INDUCTANCE CMS	NL252018T-390J 39UH 5%	T9003521
TRANSISTOR				
Q	700 710 720	RESEAU DE TRANSISTORS CMS	3046 SO14P -40+85	T9001547
RESISTOR				
R	833 925 945 965	POTENTIOMETRE CMS	ST-4B 500 OHMS 20%	91620902
R	103 203 303	POTENTIOMETRE CMS	ST-4B 100 OHMS 20%	91685743
R	1 2 3 4	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	1050	RESISTANCE CHIPSE	RR0603 2.80 OHM 0,5% 1/16W K25	T1005955
R	1040 1041 1051 1052	RESISTANCE CHIPSE	RR0603 1,91KOHM 0,5% 1/16W K25	T1005956
R	123 223 323 623 624 708 710 720 790 791 795 796 911 1081	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	150 160 260 360 404 405 406 500 610 613 670 1090 1100 1200	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	611 614 671 1091 1101 1201	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	748 752 788 792	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	510 511 512 513 514 540	RESISTANCE CHIPSE	RR0603 22 OHMS 5% 1/16W K250	T9000941
R	122 132 145 222 232 245 322 332 345	RESISTANCE CHIPSE	RR0603 51 OHMS 5% 1/16W K250	T9000950
R	831	RESISTANCE CHIPSE	RR0603 1,2 KOHM 5% 1/16W K250	T9000980
R	705 711 721	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	834	RESISTANCE CHIPSE	RR0603 1,6 KOHM 5% 1/16W K250	T9000983
R	921 941 961	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	923 943 963	RESISTANCE CHIPSE	RR0603 2,4 KOHMS 5% 1/16W K250	T9000987
R	702 706 712 722	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	400 401 402 403 408 430 431 432 603	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	411 412 433	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	707 713 723	RESISTANCE CHIPSE	RR0603 150 OHMS 5% 1/16W K250	T9001034
R	620 621 622 910 1070 1080	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	922 942 962	RESISTANCE CHIPSE	RR0603 330 OHMS 5% 1/16W K250	T9001042
R	80 900	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	703 704	RESISTANCE CHIPSE	RR0603 510 OHMS 5% 1/16W K250	T9001047
R	840	RESISTANCE CHIPSE	RR0603 750 OHMS 5% 1/16W K250	T9001051
R	700 701	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	835	RESISTANCE CHIPSE	RR0603 910 OHMS 5% 1/16W K250	T9001053
R	612 615 672 1092 1102 1202	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	121 221 321 1720	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	110 120 210 220 310 320	RESISTANCE CHIPSE	RR0603 91 KOHMS 5% 1/16W K250	T9001076
R	744	RESISTANCE CHIPSE	RC2211 825 OHMS 0,5% 1/5W K50	T9001112
R	783	RESISTANCE CHIPSE	RC2211 100 OHMS 0,5% 1/5W K50	T9001137
R	605 633 663 693	RESISTANCE CHIPSE	RC2211 560 OHMS 0,5% 1/5W K50	T9001142
R	745 787	RESISTANCE CHIPSE	RC2211 150 OHMS 0,5% 1/5W K50	T9001147
R	784	RESISTANCE CHIPSE	RC2211 120 OHMS 0,5% 1/5W K50	T9001153
R	747	RESISTANCE CHIPSE	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	746	RESISTANCE CHIPSE	RC2211 182 OHMS 0,5% 1/5W K50	T9001197
R	1043 1056	RESISTANCE CHIPSE	RC2211 1,74 KOHM 0,5% 1/5W K50	T9001199
R	764	RESISTANCE CHIPSE	RC2211 13,3 KOHM 0,5% 1/5W K50	T9001200
R	769	RESISTANCE CHIPSE	RC2211 17,4 KOHM 0,5% 1/5W K50	T9001202
R	741	RESISTANCE CHIPSE	RC2211 4,3 KOHMS 0,5% 1/5W K50	T9001235
R	740	RESISTANCE CHIPSE	RC2211 22,1 KOHM 0,5% 1/5W K50	T9001301
R	761 767 768	RESISTANCE CHIPSE	RC2211 6,81 KOHM 0,5% 1/5W K50	T9001344
R	760	RESISTANCE CHIPSE	RC2211 301 KOHMS 0,5% 1/5W K50	T9001362
R	749 789	RESISTANCE CHIPSE	RC2211 121 OHMS 0,5% 1/5W K50	T9001383
R	762	RESISTANCE CHIPSE	RC2211 200 OHMS 0,5% 1/5W K50	T9001385
R	734 785	RESISTANCE CHIPSE	RC2211 221 OHMS 0,5% 1/5W K50	T9001386
R	753 793	RESISTANCE CHIPSE	RC2211 332 OHMS 0,5% 1/5W K50	T9001390
R	781	RESISTANCE CHIPSE	RC2211 11 KOHMS 0,5% 1/5W K50	T9001404
R	794 798	RESISTANCE CHIPSE	RC2211 33,2 KOHM 0,5% 1/5W K50	T9001411
R	743 780	RESISTANCE CHIPSE	RC2211 1,38 KOHM 0,5% 1/5W K50	T9001486
R	799	RESISTANCE CHIPSE	RC2211 26,1 KOHM 0,5% 1/5W K50	T9001488
R	786	RESISTANCE CHIPSE	RC2211 5,49 KOHM 0,5% 1/5W K50	T9001642
R	100 200 300 600 601 602 630 660 690 803 812 823 832	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	101 201 301	RESISTANCE CHIPSE	RC603 13 OHMS 0.5% 1/16W K50	T9001761
R	102 107 202 207 302 307	RESISTANCE CHIPSE	RC603 391 OHMS 0,5% 1/16W K50	T9001762
R	105 106 126 130 131 133 140 141 142 143 144 170	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
RESISTOR				
R	205 206 226 230 231 233 240 241 242 243 244 270 305 306 326 330 331 333 340 341 342 343 344 370 631 661 691 730 731 742 750 751 765 770 771 782 797 800 802 810 811 821 822 830 924 926 944 946 964 966 1010 1011 1020 1021 1030 1031 1048 1054	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	104 204 304 1044 1049 1057 1058	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	1047	RESISTANCE CHIPSE	RC603 2,74KOHMS 0,5% 1/16W 50K	T9001799
R	763 772 1042 1045 1055	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	1053	RESISTANCE CHIPSE	RC603 1,8 KOHMS 0,5% 1/16W 50	T9001813
R	766	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	1046	RESISTANCE CHIPSE	RC603 820 OHMS 0,5% 1/16W 50K	T9003354
R	632 662 692	POTENTIOMETRE CMS	ST-4H 200 OHMS 20%	T9003516
R	1700 1710	RESISTANCE CHIPSE	RR0805 47,5KOHM 1% 1/10W K100	T9004023
TEST POINT				
TP	1 2 3 4 5 6 7 9 112 130 140 212 230 240 312 330 340 700 710 720	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	796 1060	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	120 220 320 610 670 800 820	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	700	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	430	CIRCUIT INTEGRE ASIC CMS	ASIC-B TRAITEMENT VIDEO NUMERI	T1005105
Z	100 130 140 170 200 230 240 270 300 330 340 370 630 660 690 730 740 750 760 770 780 830 920 940 960 1010 1020 1030 1040 1050	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	400	CIRCUIT INTEGRE ASIC CMS	ASIC-A TRAITEMENT VIDEO CAMERA	T1005385
Z	500	CIRCUIT INTEGRE CMS	AV9170-01-CS8 SO8P 0+70	T1005395
Z	600	CIRCUIT INTEGRE CMS	ADV7122KP50 50MHZ PLCC44 0+70	T1005429
Z	160 260 360	CIRCUIT INTEGRE CMS	ADS801U SO28P(0.3) 0+70	T1005995
Z	50	CIRCUIT INTEGRE CMS	74ACT02 SO14P -40+85	T9000057
Z	60	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	540	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	1090 1100 1200	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	620 790 795 910 1070 1080	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	600A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S ENCOCHE	T9001122
Z	80 840 900	CIRCUIT INTEGRE CMS	LT1009 SO8P 0+70	T9001265
Z	510	CIRCUIT INTEGRE CMS	74AC244 SO20P -40+85	T9001276
Z	40	CIRCUIT INTEGRE CMS	74FB21 SO24P 0+70	T9001292
Z	150	CIRCUIT INTEGRE CMS	74AC04 SO14P -40+85	T9001464
Z	110	CIRCUIT INTEGRE CMS	*M*74HCT4053 SO16P -40+85	T9001499
Z	520	CIRCUIT INTEGRE CMS	AV9170-04-CS8 SO8P 0+70	T9003492
Z	797	CIRCUIT INTEGRE CMS	LM285 1.235V -40+85 1% SO8P	T9003515

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	10	FACE AVANT	SERIGRAPHIEE DP1	46153292AA
	12	RONDELLE	520201-80	91280717
	16	ENTRETOISE LISSE	ENLIS2 LG.2	91296531
	35	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	17	ECROU	H M2 U INOX A4 PASSIVE	99059910
	15	VIS	C M2X8/8 U INOX.A4 PASS.	99060917
	11	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	243 275 313	CONDENSATEUR VARIABLE CMS	ECR-JA020E (4.5/20PF 100V)	91612109
C	246 276 316	CONDENSATEUR CHIPS	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	912 1072 1082	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	2 4 6 10 13 14 15 16 30 40 100 110 130 131 132 133 134 135 136 137 138 140 141 142 143 144 145 146 147 148 153 160 161 190 191 192 193 194 195 200 201 202 203 204 230 231 244 245 250 251 273 274 280 281 300 301 314 315 320 321 402 403 404 405 406 407 408 409 412 413 414 415 416 417 418 419 420 421 422 430 431 432 433 434 435 438 439 440 800 801 820 821 830 831 832 840 900 916 917 923 924 943 944 963 964 1010 1011 1020 1021 1030 1031 1040 1041 1050 1051 1060 1061 1070 1071 1080 1081 1090 1091 1092 1093 1100 1101 1102 1103 1200 1201 1202 1203 1214 1215	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	920 922 940 942 960 962	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	926 946 966	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	240 242 270 272 310 312	CONDENSATEUR CHIPS	CC0603-1CG-J 120 PF 5% 63V	T9000968
C	1210 1211	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 5% 63V	T9000970
C	17 18 19 20	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	1213	CONDENSATEUR CHIPS	CC0603-2C1-J 560 PF 10% 63V	T9001565
C	1 3	CONDENSATEUR CHIPS	CTC3D 68UF 20% 16V	T9003349
C	5 9 152 400 401 410 411 436 437 1220 1221	CONDENSATEUR CHIPS	CTC3C 10UF 20% 16V POLARISE	T9003419
C	241 271 311 1212	CONDENSATEUR CHIPS	CC0603-1CG-J 270 PF 5% 63V	T9003536
CONNECTOR (FIXED)				
J	102 152	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
INDUCTOR				
L	240 241 270 271 310 311	INDUCTANCE CMS	NL252018T-1R8J 1.8UH 5%	T1005388
L	100 110	INDUCTANCE CMS	NL252018T-220J 22UH 5%	T1005470
L	1 2 3 5	INDUCTANCE CMS	LC2220 22 UH 10% (0R09)	T9001335
L	920 921 940 941 960 961	INDUCTANCE CMS	NL252018T-390J 39UH 5%	T9003521
CONNECTOR (MOBILE)				
P	1 3	CONNECTEUR CMS	EFD2X07+#S#-CLP##-M1,27D2-###	T9004425
P	2	CONNECTEUR CMS	EFD2X30+#S#-CLP##-M1,27D2-###	T9004426
TRANSISTOR				
Q	50	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
RESISTOR				
R	833 925 945 965	POTENTIOMETRE CMS	ST-4B 500 OHMS 20%	91620902
R	257	RESISTANCE CHIPSE	RR0603 4.3KOHM 0,5%% 1/16W K25	T1005787
R	303	RESISTANCE CHIPSE	RR0603 8.66KOHM 0,5% 1/16W K25	T1005793
R	258	RESISTANCE CHIPSE	RR0603 187 OHM 0.5% 1/16W K25	T1005941
R	1050	RESISTANCE CHIPSE	RR0603 2.80 OHM 0,5% 1/16W K25	T1005955
R	1040 1041 1051 1052	RESISTANCE CHIPSE	RR0603 1.91KOHM 0,5% 1/16W K25	T1005956
R	281	RESISTANCE CHIPSE	RR0603 6.2KOHM 0,5% 1/16W K25	T1005982
R	51 191 192 193 194 230	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	40 130 131 132 140 141 142 150 163 190 1090 1100 1200	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	1091 1101 1201	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	160 161 255 261 328 331	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	831 1223	RESISTANCE CHIPSE	RR0603 1,2 KOHM 5% 1/16W K250	T9000980
R	1221	RESISTANCE CHIPSE	RR0603 1.5 KOHM 5% 1/16W K250	T9000982
R	834	RESISTANCE CHIPSE	RR0603 1,6 KOHM 5% 1/16W K250	T9000983
R	921 941 961	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	1212 1220	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	50	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	143 144 145 146 147 148 162 400 401 402 403 404 405 406 408 430 431 432	RESISTANCE CHIPSE	RR0603 5.6 KOHMS 5% 1/16W K250	T9000996
R	411 412 433	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	1222	RESISTANCE CHIPSE	RR0603 150 OHMS 5% 1/16W K250	T9001034
R	910 1070 1080	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	922 942 962	RESISTANCE CHIPSE	RR0603 330 OHMS 5% 1/16W K250	T9001042
R	900	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	1213 1214	RESISTANCE CHIPSE	RR0603 510 OHMS 5% 1/16W K250	T9001047
R	840	RESISTANCE CHIPSE	RR0603 750 OHMS 5% 1/16W K250	T9001051
R	244 274 314 1210 1211	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	835	RESISTANCE CHIPSE	RR0603 910 OHMS 5% 1/16W K250	T9001053
R	1092 1102 1202	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	240 242 270 272 310 312 803 812 823 832	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	287	RESISTANCE CHIPSE	RC603 13 OHMS 0,5% 1/16W K50	T9001761
R	243 259 273 289 290 313 330 800 802 810 811 821 822 830 911 924 926 944 946 964 966 1010 1011 1020 1021 1030 1031 1048 1054 1081	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	262 332	RESISTANCE CHIPSE	RR0603 332 OHMS 0,5% 1/16W K25	T9001789
R	280	RESISTANCE CHIPSE	RC603 464 OHMS 0,5% 1/16W 50K	T9001790
R	1044 1049 1057 1058	RESISTANCE CHIPSE	RC603 2KOHMS 0.5% 1/16W 50K	T9001795
R	923 943 963	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	1047	RESISTANCE CHIPSE	RC603 2,74KOHMS 0,5% 1/16W 50K	T9001799
R	300	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	1042 1045 1055	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	320	RESISTANCE CHIPSE	RC603 5,62KOHMS 0,5% 1/16W 50K	T9001805
R	333	RESISTANCE CHIPSE	RC603 100 OHMS 0,5% 1/16W K50	T9001812
R	1053	RESISTANCE CHIPSE	RC603 1,8 KOHMS 0.5% 1/16W 50	T9001813
R	301	RESISTANCE CHIPSE	RC603 75KOHMS 0,5% 1/16W 50K	T9001814
R	316	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	285	RESISTANCE CHIPSE	RC603 17.4KOHMS 0,5% 1/16W 50K	T9001819
R	250	RESISTANCE CHIPSE	RC603 22,1KOHMS 0,5% 1/16W 50K	T9001823
R	251 1046	RESISTANCE CHIPSE	RC603 820 OHMS 0.5% 1/16W 50K	T9003354
R	245 275 315	POTENTIOMETRE CMS	ST-4H 200 OHMS 20%	T9003516
R	202	RESISTANCE CHIPSE	RC603 560 OHMS 0,5% 1/16W 50K	T9003522
R	282	RESISTANCE CHIPSE	RC603 3,4 KOHMS 0,5% 1/16W 50K	T9003526
R	286	RESISTANCE CHIPSE	RC603 2.49KOHMS 0,5% 1/16W 50	T9003531
R	263 306 327	RESISTANCE CHIPSE	RC603 150 OHMS 0,5% 1/16W 50K	T9004467
R	291	RESISTANCE CHIPSE	RC603 200 OHMS 0,5% 1/16W 50K	T9004479
R	256 329	RESISTANCE CHIPSE	RC603 121 OHMS 0,5% 1/16W 50K	T9004480
R	304	RESISTANCE CHIPSE	RC603 16.5 KOHMS 0,5% 1/16W 50	T9004482
R	1043 1056	RESISTANCE CHIPSE	RC603 1,74 KOHMS 0,5% 1/16W 50	T9004483
R	288	RESISTANCE CHIPSE	RC603 14,7KOHMS 0,5% 1/16W 50	T9004485
R	252 325	RESISTANCE CHIPSE	RR0603 1.37 KOHMS 0,5% 1/16W	T9004589
R	260 264 321	RESISTANCE CHIPSE	RR0603 10 OHMS 0,5% 1/16W K50	T9004590
R	253 305 326	RESISTANCE CHIPSE	RR0603 221 OHMS 0.5% 1/16W K50	T9004591

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	322	RESISTANCE CHIPSE	RR0603 11 KOHMS 0,5% 1/16W K50	T9004592
TEST POINT				
TP	1 2 3 4 5 6 7 8	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	230 1060	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	800 820	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	1210	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	430	CIRCUIT INTEGRE ASIC CMS	ASIC-B TRAITEMENT VIDEO NUMERI	T1005105
Z	240 250 270 280 310 320 830 920 940 960 1010 1020 1030 1040 1050	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	400	CIRCUIT INTEGRE ASIC CMS	ASIC-A TRAITEMENT VIDEO CAMERA	T1005385
Z	100	CIRCUIT INTEGRE CMS	AV9170-01-CS8 SO8P 0+70	T1005395
Z	30 40	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	440	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	1090 1100 1200	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	300 910 1070 1080	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	840 900	CIRCUIT INTEGRE CMS	LT1009 SO8P 0+70	T9001265
Z	150	CIRCUIT INTEGRE CMS	74AC04 SO14P -40+85	T9001464
Z	1220	RESEAU DE TRANSISTORS CMS	3046 SO14P -40+85	T9001547
Z	110	CIRCUIT INTEGRE CMS	AV9170-04-CS8 SO8P 0+70	T9003492
Z	210	CIRCUIT INTEGRE CMS	LM285 1,235V -40+85 1% SO8P	T9003515
Z	160		ISPLSI2064V QF44P 0+70 80MHZ	T9004393
Z	130	MEMOIRE FIFO CMS	2048X36 20NS CMOS TQFP120 0+70	T9004411
Z	190		EPF8282AV-4 TQFP100 0+70 3,3V	T9004419
Z	200	CIRCUIT INTEGRE CMS	ADV7122KST 50MHZ TQFP48 0+70	T9004692

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4A150615AX SCHEMA SD64D

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	150	CONDENSATEUR CHIPS	CTC3B 2,2MF 20% 20V 80C.	96103241
C	120 121 220 221 320 321	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	107 108 110 111 122 123 125 130 131 140 141 162 163 167 168 170 171 207 208 222 223 225 230 231 240 241 262 263 267 268 270 271 307 308 322 323 325 330 331 340 341 362 363 367 368 370 371	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	160 161 260 261 360 361	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	1 2 3 109 209 309	CONDENSATEUR CHIPS	CTC3C 10UF 20% 16V POLARISE	T9003419
FL	100 200 300		CLP8-15MHZ-YA2670 FILTRE VIDEO	T9004405
CONNECTOR (FIXED)				
J	2	CONNECTEUR CMS	EMD2X07+#S#-FTS##-M1,27D2-###	T9004414
J	1	CONNECTEUR CMS	EMD2X30+#S#-FTS##-M1,27D2-###	T9004415
INDUCTOR				
L	1	INDUCTANCE CMS	LC2220 22 UH 10% (OR09)	T9001335
RESISTOR				
R	103 203 303	POTENTIOMETRE CMS	ST-4B 100 OHMS 20%	91685743
R	108 208 308	RESISTANCE CHIPSE	RR0603 6.8KOHM 0.5% 1/16W K25	T1005957
R	160 260 360	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	161 261 361	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	122 132 145 222 232 245 322 332 345	RESISTANCE CHIPSE	RR0603 51 OHMS 5% 1/16W K250	T9000950
R	150	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	121 221 321	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	110 120 210 220 310 320	RESISTANCE CHIPSE	RR0603 91 KOHMS 5% 1/16W K250	T9001076
R	107 207 307	RESISTANCE CHIPSE	RC603 391 OHMS 0,5% 1/16W K50	T9001762
R	106 109 126 130 131 133 140 141 142 143 144 170 206 209 226 230 231 233 240 241 242 243 244 270 306 309 326 330 331 333 340 341 342 343 344 370	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	104 204 304	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	123 223 323	RESISTANCE CHIPSE	RC603 4,22KOHMS 0,5% 1/16W 50K	T9001808
R	102 200 202 302	RESISTANCE CHIPSE	RC603 100 OHMS 0,5% 1/16W K50	T9001812
R	101 201 301	RESISTANCE CHIPSE	RC603 226 OHMS 0,5% 1/16W 50K	T9004465
R	100 300	RESISTANCE CHIPSE	RC603 330 OHMS 0,5% 1/16W 50K	T9004466
R	105 205 305	RESISTANCE CHIPSE	RR0603 1.37 KOHMS 0,5% 1/16W	T9004589
TEST POINT				
TP	100 200 300	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	120 220 320	CIRCUIT INTEGRE CMS	062 S08P 0+70 (TL062)	99175378
Z	100 130 140 170 200 230 240 270 300 330 340 370	CIRCUIT INTEGRE CMS	CLC405AJE S08 -40 +85	T1005343
Z	160 260 360	CIRCUIT INTEGRE CMS	ADS801U S028P(0.3) 0+70	T1005995
Z	150	CIRCUIT INTEGRE CMS	LT1009 S08P 0+70	T9001265
Z	110	CIRCUIT INTEGRE CMS	*M*74HCT4053 S016P -40+85	T9001499

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	10	FACE AVANT	*S36** PERCEE CODEUR 1657D	46152368
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	12	RONDELLE	520201-80	91280717
	35	RUBAN	TRANSFERT REF.950 LARG.19MM	91554602
	11	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	611 633 731	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	831 961	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	420 421	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	1 130 140 422 424 912 913 1000 1001	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	2 3 4	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	541 631 732 783 801 943 951	CONDENSATEUR CHIPS	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	867	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	784 944	CONDENSATEUR CHIPS	CC0603-1CG-J 330 PF 5% 63V	T9000872
C	90 103 104 110 122 131 141 150 160 170 180 181 182 183 190 191 192 193 200 210 220 221 230 231 240 241 270 300 320 321 322 324 332 340 341 400 403 500 501 502 520 540 550 572 580 610 630 634 650 660 670 700 701 703 704 733 781 782 790 791 840 841 842 860 861 862 863 910 911 920 921 941 942 980 981 984 1010 1011 1050 1060 1070 1071	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	1020	CONDENSATEUR CHIPS	CC0603-1CG-J 12 PF 5% 63V	T9000958
C	331	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	224 225 234 235	CONDENSATEUR CHIPS	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	632	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	222 232 600 864	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	865 866 982 983	CONDENSATEUR CHIPS	CC0603-1CG-J 82 PF 5% 63V	T9000967
C	635	CONDENSATEUR CHIPS	CC0603-1CG-J 120 PF 5% 63V	T9000968
C	401	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 5% 63V	T9000970
C	402	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	800	CONDENSATEUR CHIPS	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	952	CONDENSATEUR CHIPS	CC0603-1CG-J 4,7PF+-0,25PF 63V	T9000976
C	310	CONDENSATEUR CHIPS	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	671 672 705	CONDENSATEUR CHIPS	CC0603-2C1-J 1NF 10% 63V	T9001015
C	105 120 311 312 323 330 571 702 730 843 844 950	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	223 233 915	CONDENSATEUR CHIPS	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	570	CONDENSATEUR CHIPS	CC0805-1CG-J 1 NF 5% 50/63V	T9001369
C	100 101	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
DIODE				
CR	420 540 550 600 660 701	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	601 602	DIODE CMS	BAW56 SOT23 [A1]	99111266
CR	100 240 241 700 730 800	DIODE CMS	BAV99 SOT23	99116852
DELAY LINE				
DL	1010	LIGNE A RETARD	DL5107 338 NS 500 OHMS	91675760
ETI1		ETIQUETTE	DAT-1-637-10	91592387
CONNECTOR (FIXED)				
J	114	CONNECTEUR	LX-6P-DLT1-P1	T1001245
INDUCTOR				
L	1020	INDUCTANCE CMS	614AN-9101Z (100UH)	T1002140
L	950	INDUCTANCE CMS	614BN-9150 (15UH)	T1002141
L	600	INDUCTANCE CMS	LC1812 22 MICROHENRYS 10%	T9001007
L	130 140	INDUCTANCE CMS	LC1812 47 MICROHENRYS 10%	T9001008
L	780 940	INDUCTANCE CMS	LC1812 68 MICROHENRYS 10%	T9001010
L	861	INDUCTANCE CMS	LC1812 18 UH 10% -40+85	T9001011
L	860	INDUCTANCE CMS	LC1812 6,8 MICROHENRYS 10%	T9001193
L	1 2 3 4	INDUCTANCE CMS	LC2220 22 UH 10% (ORO9)	T9001335
CONNECTOR (MOBILE)				
P	104A	CONNECTEUR CMS	433620 10 CLAVETTES SUR PEIGNE	T1002726
P	104		SMC-8-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	420 610 790 890 1000	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	300 310 900 1010	TRANSISTOR CMS	SO3906 PNP SOT23	99110322
RESISTOR				
R	11 12 13	POTENTIOMETRE CMS	ST-3A 10 KOHMS 20%	T1001973
R	14 15 23	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	19 21	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	18	POTENTIOMETRE CMS	ST-3A 500 OHMS 20%	T1002085
R	17 22	POTENTIOMETRE CMS	ST-3A 500 KOHMS 20%	T1002090
R	10	POTENTIOMETRE CMS	ST-5W 20 KOHMS 10% (11 TOURS)	T1002180
R	16 20	POTENTIOMETRE CMS	ST-3A 100 KOHMS 20%	T1002181
R	220 230 271 420 520 540 600 881 882 910 913 986	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	106 244 320 323 633 713 737 738 793 830 960 1000 1060 1061	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	242 243 270 330 340 421 541 550 680 987 1062 1063	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	603	RESISTANCE CHIPSE	RR0603 10 OHMS 5% 1/16W K250	T9000933
R	200	RESISTANCE CHIPSE	RR0603 33 OHMS 5% 1/16W K250	T9000945
R	863 865 1001 1010	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	632 950 951	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	602 831 866 961 1002 1011	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	423 601 610 911	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	124 400 890 900 984	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	110 180 300 301 333 607 791 792 800 953 954	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	952	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	100	RESISTANCE CHIPSE	RR0603 6,8 KOHMS 5% 1/16W K250	T9000998
R	604 631 812	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	310 332 422 581 790 861 870 981	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	730	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	1021	RESISTANCE CHIPSE	RR0603 390 OHMS 5% 1/16W K250	T9001044
R	786 946	RESISTANCE CHIPSE	RR0603 430 OHMS 5% 1/16W K250	T9001045
R	871 880 1012	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	912	RESISTANCE CHIPSE	RR0603 510 OHMS 5% 1/16W K250	T9001047
R	862 864 869 982 983	RESISTANCE CHIPSE	RR0603 560 OHMS 5% 1/16W K250	T9001048
R	606 1003	RESISTANCE CHIPSE	RR0603 680 OHMS 5% 1/16W K250	T9001050
R	867	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	1064	RESISTANCE CHIPSE	RR0603 11 KOHMS 5% 1/16W K250	T9001054
R	860 980	RESISTANCE CHIPSE	RR0603 12 KOHMS 5% 1/16W K250	T9001055
R	571 944	RESISTANCE CHIPSE	RR0603 16 KOHMS 5% 1/16W K250	T9001058
R	101	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	784	RESISTANCE CHIPSE	RR0603 24 KOHMS 5% 1/16W K250	T9001062
R	401	RESISTANCE CHIPSE	RR0603 30 KOHMS 5% 1/16W K250	T9001064
R	671	RESISTANCE CHIPSE	RR0603 33 KOHMS 5% 1/16W K250	T9001065
R	630 634 868	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	711	RESISTANCE CHIPSE	RR0603 62 KOHMS 5% 1/16W K250	T9001072
R	670	RESISTANCE CHIPSE	RR0603 68 KOHMS 5% 1/16W K250	T9001073
R	247 706	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	605	RESISTANCE CHIPSE	RR0603 150 KOHMS 5% 1/16W K250	T9001080
R	241	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	709 735	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	500	RESISTANCE CHIPSE	RR0603 240 KOHMS 5% 1/16W K250	T9001085
R	240 344	RESISTANCE CHIPSE	RR0603 330 KOHMS 5% 1/16W K250	T9001088
R	660	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	345	RESISTANCE CHIPSE	RR0603 820 KOHMS 5% 1/16W K250	T9001098
R	712 736 1020	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	703 858	RESISTANCE CHIPSE	RR0603 1,5 MEGHOM 5% 1/16W	T9001101
R	707	RESISTANCE CHIPSE	RR0603 2,2 MEGHOM 5% 1/16W	T9001102
R	914	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	311 822	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	943	RESISTANCE CHIPSE	RC603 1,96KOHMS 0,5% 1/16W 50K	T9001794
R	570 811 853 855 856 920 921 924	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	783	RESISTANCE CHIPSE	RC603 2,05KOHMS 0,5% 1/16W 50K	T9001796
R	785 945	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	782 940	RESISTANCE CHIPSE	RC603 3,09KOHMS 0,5% 1/16W 50K	T9001800
R	223 224 233 234	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	781	RESISTANCE CHIPSE	RC603 3,65KOHMS 0,5% 1/16W 50K	T9001802
R	941	RESISTANCE CHIPSE	RC603 4,64KOHMS 0,5% 1/16W 50K	T9001803
R	221 231	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	222 232 922	RESISTANCE CHIPSE	RC603 5,62KOHMS 0,5% 1/16W 50K	T9001805
R	246	RESISTANCE CHIPSE	RC603 7,5KOHMS 0,5% 1/16W 50K	T9001806
R	942	RESISTANCE CHIPSE	RC603 9,09KOHMS 0,5% 1/16W 50K	T9001816
R	702 705 708	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	731 733	RESISTANCE CHIPSE	RC603 12,1KOHMS 0,5% 1/16W 50K	T9001818
R	245	RESISTANCE CHIPSE	RC603 19,1KOHMS 0,5% 1/16W 50K	T9001821
R	780	RESISTANCE CHIPSE	RC603 19,6KOHMS 0,5% 1/16W 50K	T9001822
R	120 121 122 321 322 700 734	RESISTANCE CHIPSE	RC603 22,1KOHMS 0,5% 1/16W 50K	T9001823
R	710	RESISTANCE CHIPSE	RC603 24,9KOHMS 0,5% 1/16W 50K	T9001824
R	248 342	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	249 343 701 704 732	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	851	RESISTANCE CHIPSE	RC603 9,53K 0,5% 1/16W K50	T9001845
R	852	RESISTANCE CHIPSE	RC603 18,7K 0,5% 1/16W K50	T9001846
R	854 923	RESISTANCE CHIPSE	RC603 29,4K 0,5% 1/16W K50	T9001847
R	123	RESISTANCE CHIPSE	RC603 26,7KOHMS 0,5% 1/16W 50K	T9003353
R	810	RESISTANCE CHIPSE	RC603 820 OHMS 0,5% 1/16W 50K	T9003354
R	820	RESISTANCE CHIPSE	RC603 1,43KOHMS 0,5% 1/16W 50K	T9003355
R	821	RESISTANCE CHIPSE	RC603 8,2KOHMS 0,5% 1/16W 50K	T9003356
R	850	RESISTANCE CHIPSE	RC603 48,7KOHMS 0,5% 1/16W 50K	T9003489
R	857	RESISTANCE CHIPSE	RC603 604 OHMS 0,5% 1/16W 50K	T9003490
SWITCH				
S	1 2 3	COMMUTATEUR CMS	%%%INVERSEUR ROTAT.2POS+N 1POL	T9001347
TEST POINT				
TP	1 2 3 4 5 6 8 9 10 15 16 17 18 19	PLOT CMS	RCT00000C	T1002596
QUARTZ				
Y	130	OSCILLATEUR A QUARTZ	VCXO-104 17,734475 MHZ	91686254
Y	140	OSCILLATEUR A QUARTZ	VC-TCXO-43C1 27MHZ +-1PPM	T1005597
INTEGRATED CIRCUIT				
Z	170	CIRCUIT INTEGRE PROGRAMME	Z170	47016897AA
Z	190	CIRCUIT INTEGRE PROGRAMME	Z 190	47016898
Z	400 570 630	CIRCUIT INTEGRE CMS	*M*PC74HC4538T SO16P -40+85	91680869
Z	170A	SUPPORT DE CIRCUIT INTEGRE	SCC1D8-Y1-A-B	99116590
Z	200 210 800	CIRCUIT INTEGRE CMS	74HC04 SO14P -40+85	99137355
Z	930	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	270 340 580 790 840 880 1020	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	660	CIRCUIT INTEGRE CMS	74HC02 SO14P -40+85	99137358
Z	330	CIRCUIT INTEGRE CMS	74HC123 SO16P -40+85	99138868
Z	160 540 560 680	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	520 550 670	CIRCUIT INTEGRE CMS	74HC00 SO14P -40+85	99142253
Z	650	CIRCUIT INTEGRE CMS	*M*74HC4017 SO16P -40+85	99142989
Z	150	CIRCUIT INTEGRE CMS	74HCT04 SO14P -40+85	99143772
Z	100 240 320 700 710 730	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	950	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	220 230	CIRCUIT INTEGRE CMS	AD847JR SO8P 0+70	T1000607
Z	910	CIRCUIT INTEGRE CMS	LT1229CS8 SO8P 0+70	T1001991
Z	170	MEMOIRE PROM	XC1765-PD8C D8P 0+70	T1002597
Z	780 810 820 830 850 920 940 960	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	190	RESEAU LOGIQUE PROGRAM. CMS	*M*EPM7032LC44-10 PLCC44 0+70	T1005488
Z	500	CIRCUIT INTEGRE CMS	GS4982-CKA SO8P 0 +70	T1005547
Z	1060	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	90	CIRCUIT INTEGRE CMS	*M*74HC4046 SO16P -40+85	T9000577
Z	600	RESEAU DE TRANSISTORS CMS	3086 SO14P -40+85	T9000628
Z	120	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	1050	CIRCUIT INTEGRE CMS	DAC08 R-2R 600US DF16P -20+85	T9000728
Z	1070	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	190A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-8P-0P-S ENCOCHE	T9001122
Z	860 980	CIRCUIT INTEGRE CMS	1496 SO14P 0+70	T9001554
Z	180		XC4003E-4-PQ100C QF100P 0+70	T9003863

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	10	FACE AVANT	SERIGRAPHIE PAL1	46153262AA
	12	RONDELLE	520201-80	91280717
	35	RUBAN	TRANSFERT REF.950 LARG.19MM	91554602
	11	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	611 633 731	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	1 130 140 422 424 912 913 1000 1001	CONDENSATEUR CHIPS	*M*CTC3D 47MF 20% 16V	T1006086
C	541 631 732 783 801 943 951	CONDENSATEUR CHIPS	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	867	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	784 944	CONDENSATEUR CHIPS	CC0603-1CG-J 330 PF 5% 63V	T9000872
C	90 103 104 122 131 141 150 160 170 180 181 182 183 190 191 192 193 200 210 220 221 230 231 240 241 270 300 320 321 322 324 332 340 341 400 403 500 501 502 520 540 550 572 580 610 630 634 650 660 670 700 701 703 704 733 781 782 790 791 840 841 842 860 861 862 863 910 911 920 921 941 942 980 981 984 1010 1011 1050 1060 1070 1071	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	1020	CONDENSATEUR CHIPS	CC0603-1CG-J 12 PF 5% 63V	T9000958
C	331	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	224 225 234 235	CONDENSATEUR CHIPS	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	632	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	222 232 600 864	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	865 866 982 983	CONDENSATEUR CHIPS	CC0603-1CG-J 82 PF 5% 63V	T9000967
C	635	CONDENSATEUR CHIPS	CC0603-1CG-J 120 PF 5% 63V	T9000968
C	401	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 5% 63V	T9000970
C	402	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	800	CONDENSATEUR CHIPS	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	952	CONDENSATEUR CHIPS	CC0603-1CG-J 4,7PF+-0,25PF 63V	T9000976
C	310	CONDENSATEUR CHIPS	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	671 672 705	CONDENSATEUR CHIPS	CC0603-2C1-J 1NF 10% 63V	T9001015
C	105 120 311 312 323 330 571 702 730 843 844 950	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	223 233 915	CONDENSATEUR CHIPS	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	570	CONDENSATEUR CHIPS	CC0805-1CG-J 1 NF 5% 50/63V	T9001369
C	100 101 831 961	CONDENSATEUR CHIPS	CTC3B 4.7MF 20% 16V	T9001370
C	420 421	CONDENSATEUR CHIPS	CTC3D 22MF 20% 16V	T9001718
C	2 3 4	CONDENSATEUR CHIPS	CTCE 100UF 10% 16V TANTALE	T9004239
DIODE				
CR	420 540 550 600 660 701	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	601 602	DIODE CMS	BAW56 SOT23 [A1]	99111266
CR	100 240 241 700 730 800	DIODE CMS	BAV99 SOT23	99116852
DELAY LINE				
DL	1010	LIGNE A RETARD	DL5107 338 NS 500 OHMS	91675760
CONNECTOR (FIXED)				
J	114	CONNECTEUR	LX-6P-DLT1-P1	T1001245
INDUCTOR				
L	1020	INDUCTANCE CMS	614AN-9101Z (100UH)	T1002140
L	950	INDUCTANCE CMS	614BN-9150 (15UH)	T1002141
L	600	INDUCTANCE CMS	LC1812 22 MICROHENRYS 10%	T9001007
L	130 140	INDUCTANCE CMS	LC1812 47 MICROHENRYS 10%	T9001008
L	780 940	INDUCTANCE CMS	LC1812 68 MICROHENRYS 10%	T9001010
L	861	INDUCTANCE CMS	LC1812 18 UH 10% -40+85	T9001011
L	860	INDUCTANCE CMS	LC1812 6,8 MICROHENRYS 10%	T9001193
L	1 2 3 4	INDUCTANCE CMS	LC2220 22 UH 10% (0R09)	T9001335
CONNECTOR (MOBILE)				
P	104	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	420 610 790 890 1000	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	300 310 900 1010	TRANSISTOR CMS	SO3906 PNP SOT23	99110322
RESISTOR				
R	11 12 13	POTENTIOMETRE CMS	ST-3A 10 KOHMS 20%	T1001973
R	14 15 23	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	19 21	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	18	POTENTIOMETRE CMS	ST-3A 500 OHMS 20%	T1002085
R	17 22	POTENTIOMETRE CMS	ST-3A 500 KOHMS 20%	T1002090
R	10	POTENTIOMETRE CMS	ST-5W 20 KOHMS 10% (11 TOURS)	T1002180
R	16 20	POTENTIOMETRE CMS	ST-3A 100 KOHMS 20%	T1002181
R	220 230 271 420 520 540 600 881 882 910 913 986	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	106 244 320 323 633 713 737 738 793 830 960 1000 1060 1061	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	242 243 270 330 340 421 541 550 680 987 1062 1063	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	603	RESISTANCE CHIPSE	RR0603 10 OHMS 5% 1/16W K250	T9000933
R	200	RESISTANCE CHIPSE	RR0603 33 OHMS 5% 1/16W K250	T9000945
R	863 865 1001 1010	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	632 950 951	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	602 831 866 961 1002 1011	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	423 601 610 911	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	124 400 890 900 984	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	110 180 300 301 333 607 791 792 800 953 954	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	952	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	100	RESISTANCE CHIPSE	RR0603 6,8 KOHMS 5% 1/16W K250	T9000998
R	604 631 812	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	310 332 422 581 790 861 870 981	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	730	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	1021	RESISTANCE CHIPSE	RR0603 390 OHMS 5% 1/16W K250	T9001044
R	786 946	RESISTANCE CHIPSE	RR0603 430 OHMS 5% 1/16W K250	T9001045
R	871 880 1012	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	912	RESISTANCE CHIPSE	RR0603 510 OHMS 5% 1/16W K250	T9001047
R	862 864 869 982 983	RESISTANCE CHIPSE	RR0603 560 OHMS 5% 1/16W K250	T9001048
R	606 1003	RESISTANCE CHIPSE	RR0603 680 OHMS 5% 1/16W K250	T9001050
R	867	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	1064	RESISTANCE CHIPSE	RR0603 11 KOHMS 5% 1/16W K250	T9001054
R	860 980	RESISTANCE CHIPSE	RR0603 12 KOHMS 5% 1/16W K250	T9001055
R	571 944	RESISTANCE CHIPSE	RR0603 16 KOHMS 5% 1/16W K250	T9001058
R	101	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	784	RESISTANCE CHIPSE	RR0603 24 KOHMS 5% 1/16W K250	T9001062
R	401	RESISTANCE CHIPSE	RR0603 30 KOHMS 5% 1/16W K250	T9001064
R	671	RESISTANCE CHIPSE	RR0603 33 KOHMS 5% 1/16W K250	T9001065
R	630 634 868	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	711	RESISTANCE CHIPSE	RR0603 62 KOHMS 5% 1/16W K250	T9001072
R	670	RESISTANCE CHIPSE	RR0603 68 KOHMS 5% 1/16W K250	T9001073
R	247 706	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	605	RESISTANCE CHIPSE	RR0603 150 KOHMS 5% 1/16W K250	T9001080
R	241	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	709 735	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	500	RESISTANCE CHIPSE	RR0603 240 KOHMS 5% 1/16W K250	T9001085
R	240 344	RESISTANCE CHIPSE	RR0603 330 KOHMS 5% 1/16W K250	T9001088
R	660	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	925	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K250	T9001096

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	345	RESISTANCE CHIPSE	RR0603 820 KOHMS 5% 1/16W K250	T9001098
R	712 736 1020	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	703 858	RESISTANCE CHIPSE	RR0603 1,5 MEGHOM 5% 1/16W	T9001101
R	707	RESISTANCE CHIPSE	RR0603 2,2 MEGHOM 5% 1/16W	T9001102
R	914	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	311 822	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	943	RESISTANCE CHIPSE	RC603 1,96KOHMS 0,5% 1/16W 50K	T9001794
R	570 811 853 855 856 920 921 924	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	783	RESISTANCE CHIPSE	RC603 2,05KOHMS 0,5% 1/16W 50K	T9001796
R	785 945	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	782 940	RESISTANCE CHIPSE	RC603 3,09KOHMS 0,5% 1/16W 50K	T9001800
R	223 224 233 234	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	781	RESISTANCE CHIPSE	RC603 3,65KOHMS 0,5% 1/16W 50K	T9001802
R	941	RESISTANCE CHIPSE	RC603 4,64KOHMS 0,5% 1/16W 50K	T9001803
R	221 231	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	222 232 922	RESISTANCE CHIPSE	RC603 5,62KOHMS 0,5% 1/16W 50K	T9001805
R	246	RESISTANCE CHIPSE	RC603 7,5KOHMS 0,5% 1/16W 50K	T9001806
R	942	RESISTANCE CHIPSE	RC603 9,09KOHMS 0,5% 1/16W 50K	T9001816
R	702 705 708	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	731 733	RESISTANCE CHIPSE	RC603 12,1KOHMS 0,5% 1/16W 50K	T9001818
R	245	RESISTANCE CHIPSE	RC603 19,1KOHMS 0,5% 1/16W 50K	T9001821
R	780	RESISTANCE CHIPSE	RC603 19,6KOHMS 0,5% 1/16W 50K	T9001822
R	120 121 122 321 322 700 734	RESISTANCE CHIPSE	RC603 22,1KOHMS 0,5% 1/16W 50K	T9001823
R	710	RESISTANCE CHIPSE	RC603 24,9KOHMS 0,5% 1/16W 50K	T9001824
R	248 342	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	249 343 701 704 732	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	851	RESISTANCE CHIPSE	RC603 9,53K 0,5% 1/16W K50	T9001845
R	852	RESISTANCE CHIPSE	RC603 18,7K 0,5% 1/16W K50	T9001846
R	854 923	RESISTANCE CHIPSE	RC603 29,4K 0,5% 1/16W K50	T9001847
R	123	RESISTANCE CHIPSE	RC603 26,7KOHMS 0,5% 1/16W 50K	T9003353
R	810	RESISTANCE CHIPSE	RC603 820 OHMS 0,5% 1/16W 50K	T9003354
R	820	RESISTANCE CHIPSE	RC603 1,43KOHMS 0,5% 1/16W 50K	T9003355
R	821	RESISTANCE CHIPSE	RC603 8,2KOHMS 0,5% 1/16W 50K	T9003356
R	850	RESISTANCE CHIPSE	RC603 48,7KOHMS 0,5% 1/16W 50K	T9003489
R	857	RESISTANCE CHIPSE	RC603 604 OHMS 0,5% 1/16W 50K	T9003490
SWITCH				
S	1 2 3	COMMUTATEUR CMS	%%%INVERSEUR ROTAT.2POS+N 1POL	T9001347
TEST POINT				
TP	1 2 3 4 5 6 8 9 10 15 16 17 18 19	PLOT CMS	RCT00000C	T1002596
QUARTZ				
Y	130	OSCILLATEUR A QUARTZ	VCXO-104 17,734475 MHZ	91686254
Y	140	OSCILLATEUR A QUARTZ	VC-TCXO-43C1 27MHZ +-1PPM	T1005597
INTEGRATED CIRCUIT				
Z	170	CIRCUIT INTEGRE PROGRAMME	Z 170	47017023
Z	190	CIRCUIT INTEGRE PROGRAMME	Z 190	47017024
Z	400 570 630	CIRCUIT INTEGRE CMS	*M*PC74HC4538T SO16P -40+85	91680869
Z	170A	SUPPORT DE CIRCUIT INTEGRE	SCC108-Y1-A-B	99116590
Z	200 210 800	CIRCUIT INTEGRE CMS	74HC04 SO14P -40+85	99137355
Z	930	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	270 340 580 790 840 880 1020	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	660	CIRCUIT INTEGRE CMS	74HC02 SO14P -40+85	99137358
Z	330	CIRCUIT INTEGRE CMS	74HC123 SO16P -40+85	99138868
Z	160 540 560 680	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	520 550 670	CIRCUIT INTEGRE CMS	74HC00 SO14P -40+85	99142253
Z	650	CIRCUIT INTEGRE CMS	*M*74HC4017 SO16P -40+85	99142989
Z	150	CIRCUIT INTEGRE CMS	74HCT04 SO14P -40+85	99143772
Z	100 240 320 700 710 730	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	950	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	220 230	CIRCUIT INTEGRE CMS	AD847JR SO8P 0+70	T1000607
Z	910	CIRCUIT INTEGRE CMS	LT1229CS8 SO8P 0+70	T1001991
Z	170	MEMOIRE PROM	XC1765-PD8C D8P 0+70	T1002597
Z	780 810 820 830 850 920 940 960	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	190	RESEAU LOGIQUE PROGRAM. CMS	*M*EPM7032LC44-10 PLCC44 0+70	T1005488
Z	500	CIRCUIT INTEGRE CMS	GS4982-CKA SO8P 0 +70	T1005547
Z	1060	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	90	CIRCUIT INTEGRE CMS	*M*74HC4046 SO16P -40+85	T9000577
Z	600	RESEAU DE TRANSISTORS CMS	3086 SO14P -40+85	T9000628
Z	120	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	1050	CIRCUIT INTEGRE CMS	DAC08 R-2R 60US DF16P -20+85	T9000728
Z	1070	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	190A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-8P-OP-S ENCOCHE	T9001122
Z	860 980	CIRCUIT INTEGRE CMS	1496 SO14P 0+70	T9001554
Z	180		XC4003E-4-PQ100C QF100P 0+70	T9003863

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	30		BLINDAGE ALIMENTATION	39964843
	25		BRIDE	39964885
	12		LANGUETTE	39964910
	26		ISOLANT CONDUCTEUR THERMIQUE	39965495
	2		RADIATEUR	3A964884
	3		CAPOT ALIMENTATION	3A964918
	20		BLINDAGE ALIM 2 CONNECTEURS	46152426
	10 14	RONDELLE	520201-80	91280717
	32	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	22	VIS	C M2X6 U INOX A4 PASS.	99060916
	15	VIS	C M2X5 U 22CND17-12 PASSIVE	99071508
CAPACITOR				
C	391 401 460 497 498 542 543 544 584 585 588 589 590	CONDENSATEUR FIXE	2222-128-54229 22MF 20% 10V	T1002445
C	250 280 361 362 720 724	CONDENSATEUR CHIPS	CC0805B-2C1 2,2 NF 10% 100V	T9000442
C	162 167 212	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	160 260	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	210 211	CONDENSATEUR CHIPS	CC0805B-1CG 510 PF +-5% 100V	T9000743
C	490 586	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	164 165 213 583 690 700 722 723 740 750 770 790 800 810 820 821	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	494 540 580	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	451	CONDENSATEUR CHIPS	CC0603-2C1-J 1NF 10% 63V	T9001015
C	161 163 166 180 214 230 470 499 582	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	100	CONDENSATEUR CHIPS	CC2220-2C1-J 1MF 10% 100V	T9001311
C	370 371 380 381 390 400 496	CONDENSATEUR FIXE	CAR1015 470 MF 20% 16V -55+105	T9001342
C	491 492 495 541 581 587	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
C	120 360 450 493	CONDENSATEUR FIXE	CAR1215 470 MF 20% 25V -55+105	T9001450
DIODE				
CR	110 151 490 540 580 581	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	360 361 460	DIODE CMS	10MF2	T1002179
CR	210	DIODE CMS	PRLL5819 SOD87 (40V 1A)	T1002438
CR	150 370 380 382 390 391 400	DIODE CMS	MBRD660CT (60V 6A)	T1002443
LED				
CRL	2 3	DIODE ELECTROLUMINESCENTE CMS	LSA670-J (ROUGE CMS FAV)	T1002691
CRL	1 580	DIODE ELECTROLUMINESCENTE CMS	LGA670-J/K (VERT CMS FAV)	T1002692
CRL	4	DIODE ELECTROLUMINESCENTE CMS	LYA670-J (JAUNE CMS FAV)	T1002693
DIODE				
CRZ	152	DIODE CMS	BZX84C9V1 SOT23 [Z8]	99111199
CRZ	440	DIODE CMS	BZX84C15 SOT23 [Y4]	99111201
INDUCTOR				
L	1	INDUCTANCE	SELF DE FILTRAGE MULTIPLE	16734067
L	120 360 370 380 460 540 580	INDUCTANCE	TSLQ707-100K1R9 10UH 10%	T9003235
CONNECTOR (MOBILE)				
P	105A 155A		433620 10 CLAVETTES SUR PEIGNE	T1002726
P	105 155	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	100 110 120 460 470	TRANSISTOR CMS	2N7002 SOT23 [702] [72AB]	91685632
Q	300	TRANSISTOR CMS	BCW70 PNP SOT23 [H2]	99110309
Q	190 450	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	230 260 740 790	TRANSISTOR CMS	BCX19 NPN SOT23 [U1]	99123949
Q	180 240 270 750 800	TRANSISTOR CMS	BCX17 PNP SOT23 [T1]	99123957
Q	150	TRANSISTOR CMS	BCX54 NPN SOT89 [BA]	99181196
Q	440 500 530 560 570	TRANSISTOR	*O*IRFU9024 PFET TO251	T9001278
Q	250 280	TRANSISTOR CMS	SMD25N05-45L NFET TO252	T9001354
Q	590	TRANSISTOR	IRFU024 NFET TO251	T9001355
RESISTOR				
R	1 2	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	251	RESISTANCE CHIPSE	RW1S0BAR022J 0,022 OHM 5%	T1002440
R	101 111 121	RESISTANCE CHIPSE	RC06 2.2KOHMS +-1% 1/4W 100PPM	T1005768
R	150	RESISTANCE CHIPSE	RC06 1 KOHMS +-1% 1/4W 100PPM	T1005769
R	361 362 510 520	RESISTANCE CHIPSE	RC06 100 OHMS +-1% 1/4W 100PPM	T1005772
R	363 364 740 751 790 801	RESISTANCE CHIPSE	RC06 24 OHMS +-1% 1/4W 100PPM	T1005775
R	365	RESISTANCE CHIPSE	RC06 22 KOHMS +-1% 1/4W 100PPM	T1005778
R	151	RESISTANCE CHIPSE	RC06 47 OHMS +-1% 1/4W 100PPM	T1005779
R	160	RESISTANCE CHIPSE	RR0603 23.7KOHM 0.5% 1/16W K25	T1005784
R	169	RESISTANCE CHIPSE	RR0603 4.3KOHM 0.5%% 1/16W K25	T1005787
R	452 821	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	120 168 183 450 470 721 722 725 726	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	100 164 690 691 692 693 694 695 696 820 822 824 826 828 830 832 834 836	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	494 498 743 793	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	742 750 792 800	RESISTANCE CHIPSE	RR0603 10 OHMS 5% 1/16W K250	T9000933
R	171 230 232 250 260 270 280	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	193 741 791	RESISTANCE CHIPSE	RR0603 1.5 KOHM 5% 1/16W K250	T9000982
R	194	RESISTANCE CHIPSE	RR0603 1,8 KOHM 5% 1/16W K250	T9000984
R	231 261 451 453 461 492 540 560 570 585	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	181 495	RESISTANCE CHIPSE	RR0603 3.3 KOHMS 5% 1/16W K250	T9000990
R	180	RESISTANCE CHIPSE	RR0603 3,9 KOHMS 5% 1/16W K250	T9000992
R	165 192 301 580	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	837	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	182	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	823	RESISTANCE CHIPSE	RR0603 13 KOHMS 5% 1/16W K250	T9001056
R	835	RESISTANCE CHIPSE	RR0603 18 KOHMS 5% 1/16W K250	T9001059
R	705 775 825	RESISTANCE CHIPSE	RR0603 20 KOHMS 5% 1/16W K250	T9001060
R	214	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	700 770	RESISTANCE CHIPSE	RR0603 39 KOHMS 5% 1/16W K250	T9001067
R	827 829 831	RESISTANCE CHIPSE	RR0603 43 KOHMS 5% 1/16W K250	T9001068
R	110 300 460	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	833	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	184 213	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	499	RESISTANCE CHIPSE	RR0603 270 KOHMS 5% 1/16W K250	T9001086
R	500 544	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	720 723 724 727	RESISTANCE CHIPSE	RR0603 3.3 MEGHOM 5% 1/16W	T9001103
R	162	RESISTANCE CHIPSE	RC2211 8.76 KOHM 0,5% 1/5W K50	T9001232
R	588	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	701 702 703 704 706 771 772 773 774 776	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	216 541	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	190 191 210 211 212 491 497 542 581 582 586 587	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	170	RESISTANCE CHIPSE	RC603 100 OHMS 0,5% 1/16W K50	T9001812
R	496	RESISTANCE CHIPSE	RC603 9,09KOHMS 0,5% 1/16W 50K	T9001816
R	161 163 215 490 584	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	166	RESISTANCE CHIPSE	RC603 17,4KOHMS 0,5% 1/16W 50K	T9001819
R	167	RESISTANCE CHIPSE	RC603 22,1KOHMS 0,5% 1/16W 50K	T9001823
R	493	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	543	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
T	1	TRANSFORMATEUR	TRANSFORMATEUR BT	16734068
TEST POINT				
TP	1 2 3 4 5	PLOT CMS	RCT00000C	T1002596

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
INTEGRATED CIRCUIT				
Z	820	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	160	CIRCUIT INTEGRE CMS	TLC339ID SO14P -40+85	T1001682
Z	510 520	CIRCUIT INTEGRE CMS	SI9430DY -55+150 SO8P (PMOSFET	T1005180
Z	690 810	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	700 770	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	210	CIRCUIT INTEGRE CMS	494 SO16P -20+85 (TL494ID)	T9000738
Z	490 540 580 720	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867

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3A967988 SCHEMA SD67

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
C	10 20 30	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
CONNECTOR (FIXED)				
J	1	CONNECTEUR CMS	52103-0817 (EFC-8S)	T1002088
RESISTOR				
R	10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27 30 31 32 33 34 35	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	8 9	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
SWITCH				
S	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	COMMUTATEUR CMS	KSC221G	T1002532
INTEGRATED CIRCUIT				
Z	10 20 30	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419

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39967977 SCHEMA SD68

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
	C 20	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
DIODE				
	CR 20	DIODE CMS	BAS16 SOT23 [A6]	99110304
CONNECTOR (FIXED)				
	J 507	CONNECTEUR CMS	52103-0817 (EFC-8S)	T1002088
RESISTOR				
	R 20 21	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
	R 22 23 24 25 26 27	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
SWITCH				
	S 12	COMMUTATEUR A LEVIER	ET05-L-D1-C-B-E	T1002419
	S 10 11 13	COMMUTATEUR A POUSSOIR	EP11-S-D1-C-B-E (UNI PR/MT.Y2)	T1002422
INTEGRATED CIRCUIT				
	Z 20	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
2		ECROU	KFS2 M2	T1002541
CONNECTOR (FIXED)				
J	502	CONNECTEUR CMS	52103-1017 (EFC-10S)	T1002086
J	204	CONNECTEUR CMS	52103-0417 (EFC-4S)	T1002087
J	50	CONNECTEUR	HR-10A-10R-10SB (EFD-10-Y1)	T1002406
J	20 21	CONNECTEUR COAXIAL	EFD-Y2 BNC 50 OHM LAITON	T1005954

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3B967976 SCHEMA SD70

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CAPACITOR				
	C 10	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
CONNECTOR (FIXED)				
	J 505 506	CONNECTEUR CMS	52103-0817 (EFC-8S)	T1002088
RESISTOR				
	R 10 11	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
	R 12 13 14 15 16 17 18 19	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
SWITCH				
	S 1 3 4	COMMUTATEUR A LEVIER	ET05-L-D1-C-B-E	T1002419
	S 2	COMMUTATEUR A LEVIER	ET03-L-D1-C-B-E(UNI.PT/R/PT Y2	T1002421
	S 5	COMMUTATEUR A LEVIER	ET01-M-D1-C-B-E (UNI.PT/PT Y2)	T1002847
INTEGRATED CIRCUIT				
	Z 10	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419

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46150051 SCHEMA SD71

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CONNECTOR (FIXED)				
J 22		CONNECTEUR	DJ-210N-200 (EFD-20-Y1)	T1002408
J 203		CONNECTEUR	52030-2210 (EFD-22-YZ)	T1002489

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46150055 SCHEMA SD72

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
CONNECTOR (FIXED)				
J	503	CONNECTEUR CMS	52103-1217 (EFC-12S)	T1002118
J	51	CONNECTEUR	HR-10A-10R-12SB (EFD-12-Y1)	T1002471

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	2		DOUILLE	39965351
	2A	RONDELLE	POUR DOUILLE A SERTIR	47018101
BT	210	PILE	3V5-0 (3V 45MAH)	T1002993
CAPACITOR				
C	582 583 684	CONDENSATEUR CHIPS	CTC3A 0,47MF 20% 25V DOC.	96103224
C	585 586 682 683 764 765	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	282	CONDENSATEUR CHIPS	CC0805B-1CG 330 PF 5% 100V	99187385
C	171	CONDENSATEUR CHIPS	CC0805B-1CG 100 PF 5% 100V	99187412
C	221 231	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	1082	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	1 2 3 4 551 553 781 783 1100	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	832	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	1005	CONDENSATEUR CHIPS	CC0603-1CG-J 330 PF 5% 63V	T9000872
C	100 110 111 112 113 140 170 190 210 211 220 230 240 250 280 281 300 301 302 310 311 312 320 340 400 410 420 450 460 461 462 463 550 552 580 581 610 611 630 631 650 651 653 654 655 680 681 700 701 710 711 760 761 763 780 782 830 831 880 910 930 931 940 941 942 950 951 1000 1001 1002 1003 1004 1006 1007 1030 1040 1041 1060 1070 1071 1080 1081 1200 1210 1240 1250 1260 1280 1380 1400 1420 1421 1430	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	762 932	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	634	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	114 115 150 151	CONDENSATEUR CHIPS	CC0603-1CG-J 33 PF 5% 63V	T9000962
C	321	CONDENSATEUR CHIPS	CC0603-1CG-J 150 PF 5% 63V	T9000969
C	800	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	584 587 933 954 1220 1221	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	600 784	CONDENSATEUR CHIPS	CC12108-1CG 10NF 10% 50/63V	T9001368
C	785	CONDENSATEUR CHIPS	CC0805-1CG-J 1 NF 5% 50/63V	T9001369
C	652	CONDENSATEUR CHIPS	CTC3B 4,7MF 20% 16V	T9001370
C	1251 1252 1253 1254	CONDENSATEUR CHIPS	CAC46 1MF 20% 50V -55+105	T9001770
C	503	CONDENSATEUR CHIPS	CTC3D 22MF 20% 20V	T9003002
C	109 464 1201 1255	CONDENSATEUR CHIPS	CTC3D 68UF 20% 16V	T9003349
DIODE				
CR	1400	DIODE CMS	BAR43S SOT23 [DA5]	91605873
CR	830	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	680	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL	140	DIODE ELECTROLUMINESCENTE CMS	LSS260-DO SOT23 ROUGE	306024
CRL	110 1220	DIODE ELECTROLUMINESCENTE CMS	LGS260-DO VERTE	91613459
DIODE				
CRZ	1240 1241 1242 1243	DIODE CMS	BZX84C15 SOT23 [Y4]	99111201
FUSE				
F	1	FUSIBLE CMS	SMD125-2 1,25A IT-2,5A	T1007028
CONNECTOR (FIXED)				
J	502	CONNECTEUR CMS	52103-1017 (EFC-10S)	T1002086
J	503	CONNECTEUR CMS	52103-1217 (EFC-12S)	T1002118
J	401 402	CONNECTEUR CMS	52103-1817 (EFC-18S)	T1002545
INDUCTOR				
L	460 461 462 463	INDUCTANCE CMS	LC1812 6,8 MICROHENRYS 10%	T9001193
L	1 2 3 4	INDUCTANCE CMS	LC2220 4,7UH 10% (ORO9)	T9001334
TRANSISTOR				
Q	1440	TRANSISTOR CMS	2N7002 SOT23 [702] [72AB]	91685632
Q	560 790 800 820	TRANSISTOR CMS	BCV62A PNP SOT143	T9001248
Q	600	TRANSISTOR CMS	BCV61B NPN SOT143	T9001555
RESISTOR				
R	649 687	POTENTIOMETRE CMS	ST-3A 50 KOHMS 20%	T1002025
R	764	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	791	RESISTANCE CHIPSE	RR0603 4.32KOHM 0.5% 1/16W K25	T1005980
R	1102	RESISTANCE CHIPSE	RC603 249KOHMS 0,5% 1/16W K50	T1005981
R	1104	RESISTANCE CHIPSE	RC603 220KOHMS 0,5% 1/16W K50	T1005984
R	121 142 151 280 283 311 321 460 580 581 600 610 832 935 1100 1220 1261	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	149 250 450 451 452 453 685 780 934 951 1018 1045 1401 1402 1405	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	122 123 124 125 126 143 144 145 146 152 153 154 155 170 171 172 180 181 190 200 210 240 282 350 351 400 401 402 403 404 405 406 407 410 411 412 413 414 415 416 417 420 421 422 423 424 425 426 633 634 635 662 681 880 881 882 883 884 885 910 940 941 942 1040 1070 1071 1072 1073 1074 1075 1112 1113 1200 1201 1211 1214 1215 1216 1221 1222 1223 1400 1403 1404 1408 1410 1411 1420 1421 1430 1431	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	101 110 115 129 184 461 462 631	RESISTANCE CHIPSE	RR0603 0 OHM 1/16W K250	T9000877
R	820	RESISTANCE CHIPSE	RR0603 1,1 KOHM 5% 1/16W K250	T9000979
R	821	RESISTANCE CHIPSE	RR0603 1,2 KOHM 5% 1/16W K250	T9000980
R	562	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	583 932	RESISTANCE CHIPSE	RR0603 2 KOHMS 5% 1/16W K250	T9000985
R	127 931 1272 1273	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	831	RESISTANCE CHIPSE	RR0603 2,4 KOHMS 5% 1/16W K250	T9000987
R	601	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	760	RESISTANCE CHIPSE	RR0603 3 KOHMS 5% 1/16W K250	T9000989
R	561 822	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	763	RESISTANCE CHIPSE	RR0603 3,9 KOHMS 5% 1/16W K250	T9000992
R	112 113 116 117 118 119 120 128 141 1107 1260 1262	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	710 830 930	RESISTANCE CHIPSE	RR0603 5,1 KOHMS 5% 1/16W K250	T9000995
R	650 653 761	RESISTANCE CHIPSE	RR0603 7,5 KOHMS 5% 1/16W K250	T9000999
R	582	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	660	RESISTANCE CHIPSE	RR0603 9,1 KOHMS 5% 1/16W K250	T9001001
R	550 630 792 933 1203 1240 1241 1263 1264 1271 1407 1409	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	130 131 132 133 134 135 156 157 943 1202 1204	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	322	RESISTANCE CHIPSE	RR0603 270 OHMS 5% 1/16W K250	T9001040
R	560	RESISTANCE CHIPSE	RR0603 910 OHMS 5% 1/16W K250	T9001053
R	612 1001 1003 1005	RESISTANCE CHIPSE	RR0603 12 KOHMS 5% 1/16W K250	T9001055
R	658 659 762	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	656	RESISTANCE CHIPSE	RR0603 18 KOHMS 5% 1/16W K250	T9001059
R	684 781 1002 1004 1006 1406	RESISTANCE CHIPSE	RR0603 20 KOHMS 5% 1/16W K250	T9001060
R	251 680 682 683 950	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	613	RESISTANCE CHIPSE	RR0603 24 KOHMS 5% 1/16W K250	T9001062
R	611 800	RESISTANCE CHIPSE	RR0603 27 KOHMS 5% 1/16W K250	T9001063
R	100 114 1212 1217 1250 1422	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	652	RESISTANCE CHIPSE	RR0603 51 KOHMS 5% 1/16W K250	T9001070
R	614	RESISTANCE CHIPSE	RR0603 56 KOHMS 5% 1/16W K250	T9001071
R	657	RESISTANCE CHIPSE	RR0603 62 KOHMS 5% 1/16W K250	T9001072
R	1085	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	655	RESISTANCE CHIPSE	RR0603 110 KOHMS 5% 1/16W K250	T9001077
R	654	RESISTANCE CHIPSE	RR0603 120 KOHMS 5% 1/16W K250	T9001078
R	1213	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	686	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	651 661 1041	RESISTANCE CHIPSE	RR0603 300 KOHMS 5% 1/16W K250	T9001087
R	1210	RESISTANCE CHIPSE	RR0603 390 KOHMS 5% 1/16W K250	T9001090
R	310	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	300	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K250	T9001096
R	111 150 1083 1224	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	790	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	1042	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	1105	RESISTANCE CHIPSE	RC603 19,1KOHMS 0,5% 1/16W 50K	T9001821
R	1043 1044 1080 1081 1103 1106	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	1101	RESISTANCE CHIPSE	RC603 14,7KOHMS 0,5% 1/16W 50	T9004485
SWITCH				
S	880	COMMUTATEUR CMS	KSC221G	T1002532
TEST POINT				
TP	1 2 3 4 6 310 311 610 680 700 780 830 880 881 882 883 930 940 941 1040	PLOT CMS	RCT00000C	T1002596
QUARTZ				
Y	110	OSCILLATEUR CERAMIQUE CMS	CSACS8MT RESONATEUR MOS 8MHZ	T1002473
Y	150	QUARTZ	HC49/S 7,3728 MHZ SERIE 50PPM	T9000410
INTEGRATED CIRCUIT				
Z	450	CIRCUIT INTEGRE PROGRAMME	Z450	47033349AA
Z	1210	CIRCUIT INTEGRE CMS	393 SO8P 0+70 (LM393)	99126288
Z	710 830	CIRCUIT INTEGRE CMS	311 SO8P 0+70 (LM311)	99129838
Z	150 350 1220	CIRCUIT INTEGRE CMS	74HC04 SO14P -40+85	99137355
Z	180 910 1280	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	310 940 1070 1420	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	1430	CIRCUIT INTEGRE CMS	74HC32 SO14P -40+85	99142000
Z	170	CIRCUIT INTEGRE CMS	*M*74HC138 SO16P -40+85	99142171
Z	650	CIRCUIT INTEGRE CMS	064 SO14P 0+70 (TL064)	99165468
Z	580 680	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	210	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	1030	CIRCUIT INTEGRE CMS	LM35DM SO8P 0+100	T1002466
Z	320	CIRCUIT INTEGRE CMS	MB88321PF DF24P -30+70	T1002469
Z	280 930 1040 1080 1100	CIRCUIT INTEGRE CMS	LMC6482AIM SO8P -40+85	T1002656
Z	300	CIRCUIT INTEGRE CMS	GS4881-1KA -20+85 (SO8P)	T1005134
Z	110	MICROPROCESSEUR CMS	MC68302FC25C QFP132P 0+70	T1005164
Z	450	MEMOIRE EPROM CMS	EPC1213LC-20 PLCC20 0+70	T1005271
Z	1250	CIRCUIT INTEGRE CMS	MAX242CWN 0+70 SOL18P	T1005322
Z	1060	CIRCUIT INTEGRE CMS	MAX 504ESD	T1005776
Z	200	CIRCUIT INTEGRE CMS	74ACT00 SO14P -40+85	T9000055
Z	190 240	CIRCUIT INTEGRE CMS	74ACT32 SO14P -40+85	T9000079
Z	400 410 420 880 1400	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	1000	CIRCUIT INTEGRE CMS	ADC10 14US 2LSB SO20P -40+85	T9000710
Z	700	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	610 760	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	550 630 780 950	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	100A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S ENCOCHE	T9001122
Z	1200	CIRCUIT INTEGRE CMS	74HC367 SO16P -40+85	T9001349
Z	1380	CIRCUIT INTEGRE CMS	74HC4075 SO14P -40+85	T9001421
Z	1240 1260	CIRCUIT INTEGRE CMS	485CS SO8P 0+70	T9001556
Z	140	CIRCUIT INTEGRE CMS	74HC125 SO14P -40+85	T9001569
Z	250	MEMOIRE EEPROM CMS	1KX16/2KX8 1MHZ 3MA SO8P-40+85	T9001604
Z	450A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC20-BP-OP-S	T9001723
Z	460		EPF8452AQC-4 QFP160P 0+70	T9004021
Z	220 230	MEMOIRE RAM STATIQUE CMS	32KX8 70NS 70/0,25MA SO28P -25	T9004787

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	10	FACE AVANT	*S36** DIGITAL PROCESS	46152324
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	12	RONDELLE	520201-80	91280717
	35	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	11	VIS	C M2X5 U Z2CND17-12 PASSIVE	99071508
CAPACITOR				
C	732 752 772	CONDENSATEUR VARIABLE CMS	ECR-JA020E (4,5/20PF 100V)	91612109
C	80	CONDENSATEUR CHIPS	CTC3B 2.2MF 20% 20V DOC.	96103241
C	14 18 23	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6.3V -40+105	T9000694
C	7010	CONDENSATEUR CHIPS	CC0603-1CG-J 10 PF 5% 63V	T9000869
C	622 623 624 912 1072 1082	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	13 17 20 22 24 30 40 60 107 108 110 111 122 123 125 130 131 140 141 151 162 163 167 168 170 171 207 208 222 223 225 230 231 240 241 262 263 267 268 270 271 307 308 322 323 325 330 331 340 341 362 363 367 368 370 371 402 403 404 405 406 407 408 409 412 413 414 415 416 417 418 419 420 421 422 430 431 432 433 434 435 438 439 500 510 520 540 600 601 602 603 610 611 612 613 614 615 620 621 633 634 663 664 670 671 672 673 693 694 703 704 730 731 740 741 750 751 760 761 770 771 780 781 790 791 795 796 797 798 799 800 801 820 821 830 831 832 840 900 916 917 923 924 943 944 963 964 1010 1011 1020 1021 1030 1031 1040 1041 1050 1051 1060 1061 1070 1071 1080 1081 1090 1091 1092 1093 1100 1101 1102 1103 1200 1201 1202 1203	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	920 922 940 942 960 962	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	160 161 260 261 360 361 926 946 966	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	21 25 31 109 150 209 309 400 401 410 411 436 437 705 706 710 711 720 721	CONDENSATEUR CHIPS	CAC46 10MF 20% 16V -55+105	T9001328
C	702	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 2% 63V	T9001586
C	707	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 2% 63V	T9001587
C	100 103 200 203 300 303	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 2% 63V	T9001588
C	101 201 301	CONDENSATEUR CHIPS	CC0603-1CG-G 330 PF 2% 63V	T9001754
C	102 202 302 631 661 691	CONDENSATEUR CHIPS	CC0603-1CG-G 270 PF 2% 63V	T9001755
C	635 665 695	CONDENSATEUR CHIPS	CC0603-1CG-G 100 PF 2% 63V	T9001756
C	630 632 660 662 690 692 701	CONDENSATEUR CHIPS	CC0603-1CG-G 120 PF 2% 63V	T9001759
C	120 121 220 221 320 321	CONDENSATEUR CHIPS	CAC46 1MF 20% 50V -55+105	T9001770
CONNECTOR (FIXED)				
J	102 152	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
INDUCTOR				
L	100 101 200 201 300 301	INDUCTANCE CMS	NL252018T-2R7J 2,7UH 5%	T1005386
L	630 631 660 661 690 691	INDUCTANCE CMS	NL252018T-1R8J 1,8UH 5%	T1005388
L	500 520	INDUCTANCE CMS	NL252018T-220J 22UH 5%	T1005470
L	16 17 19 22 24 30	INDUCTANCE CMS	LC2220 22 UH 10% (ORO9)	T9001335
L	920 921 940 941 960 961	INDUCTANCE CMS	NL252018T-390J 39UH 5%	T9003521
TRANSISTOR				
Q	700 710 720	RESEAU DE TRANSISTORS CMS	3046 SO14P -40+85	T9001547
RESISTOR				
R	833 925 945 965	POTENTIOMETRE CMS	ST-4B 500 OHMS 20%	91620902
R	103 203 303	POTENTIOMETRE CMS	ST-4B 100 OHMS 20%	91685743
R	1 2 3 4	RESISTANCE CHIPSE	RRO805 0 OHM	99180514
R	1050	RESISTANCE CHIPSE	RRO603 2.80 OHM 0,5% 1/16W K25	T1005955
R	1040 1041 1051 1052	RESISTANCE CHIPSE	RRO603 1.91KOHM 0,5% 1/16W K25	T1005956
R	123 223 323 623 624 708 710 720 790 791 795 796 911 1081	RESISTANCE CHIPSE	RRO603 1 KOHM 5% 1/16W K250	T9000696
R	150 160 260 360 404 405 406 500 610 613 670 1090 1100 1200	RESISTANCE CHIPSE	RRO603 10 KOHMS 5% 1/16W K250	T9000697
R	611 614 671 1091 1101 1201	RESISTANCE CHIPSE	RRO603 100 KOHMS 5% 1/16W K250	T9000698
R	510 511 512 513 514 540	RESISTANCE CHIPSE	RRO603 22 OHMS 5% 1/16W K250	T9000941
R	122 132 145 222 232 245 322 332 345	RESISTANCE CHIPSE	RRO603 51 OHMS 5% 1/16W K250	T9000950
R	831	RESISTANCE CHIPSE	RRO603 1.2 KOHM 5% 1/16W K250	T9000980
R	705 711 721	RESISTANCE CHIPSE	RRO603 1,5 KOHM 5% 1/16W K250	T9000982
R	834	RESISTANCE CHIPSE	RRO603 1.6 KOHM 5% 1/16W K250	T9000983
R	921 941 961	RESISTANCE CHIPSE	RRO603 2 KOHMS 5% 1/16W K250	T9000985
R	923 943 963	RESISTANCE CHIPSE	RRO603 2,4 KOHMS 5% 1/16W K250	T9000987
R	702 706 712 722	RESISTANCE CHIPSE	RRO603 2,7 KOHMS 5% 1/16W K250	T9000988
R	1800	RESISTANCE CHIPSE	RRO603 4,7 KOHMS 5% 1/16W K250	T9000994
R	400 401 402 403 408 430 431 432 603	RESISTANCE CHIPSE	RRO603 5,6 KOHMS 5% 1/16W K250	T9000996
R	411 412 433	RESISTANCE CHIPSE	RRO603 8,2 KOHMS 5% 1/16W K250	T9001000
R	707 713 723	RESISTANCE CHIPSE	RRO603 150 OHMS 5% 1/16W K250	T9001034
R	620 621 622 910 1070 1080	RESISTANCE CHIPSE	RRO603 220 OHMS 5% 1/16W K250	T9001038
R	922 942 962	RESISTANCE CHIPSE	RRO603 330 OHMS 5% 1/16W K250	T9001042
R	80 900	RESISTANCE CHIPSE	RRO603 470 OHMS 5% 1/16W K250	T9001046
R	703 704	RESISTANCE CHIPSE	RRO603 510 OHMS 5% 1/16W K250	T9001047
R	840	RESISTANCE CHIPSE	RRO603 750 OHMS 5% 1/16W K250	T9001051
R	700 701	RESISTANCE CHIPSE	RRO603 820 OHMS 5% 1/16W K250	T9001052
R	835	RESISTANCE CHIPSE	RRO603 910 OHMS 5% 1/16W K250	T9001053
R	612 615 672 1092 1102 1202	RESISTANCE CHIPSE	RRO603 15 KOHMS 5% 1/16W K250	T9001057
R	121 221 321 1720	RESISTANCE CHIPSE	RRO603 47 KOHMS 5% 1/16W K250	T9001069
R	110 120 210 220 310 320	RESISTANCE CHIPSE	RRO603 91 KOHMS 5% 1/16W K250	T9001076
R	744	RESISTANCE CHIPSE	RC2211 825 OHMS 0,5% 1/5W K50	T9001112
R	783	RESISTANCE CHIPSE	RC2211 100 OHMS 0,5% 1/5W K50	T9001137
R	605 633 663 693	RESISTANCE CHIPSE	RC2211 560 OHMS 0,5% 1/5W K50	T9001142
R	745 787	RESISTANCE CHIPSE	RC2211 150 OHMS 0,5% 1/5W K50	T9001147
R	799	RESISTANCE CHIPSE	RC2211 300 OHMS 0,5% 1/5W K50	T9001149
R	762	RESISTANCE CHIPSE	RC2211 330 OHMS 0,5% 1/5W K50	T9001151
R	784	RESISTANCE CHIPSE	RC2211 120 OHMS 0.5% 1/5W K50	T9001153
R	747	RESISTANCE CHIPSE	RC2211 10 OHMS 1% 1/5W K50	T9001158
R	746	RESISTANCE CHIPSE	RC2211 182 OHMS 0,5% 1/5W K50	T9001197
R	1043 1056	RESISTANCE CHIPSE	RC2211 1,74 KOHM 0,5% 1/5W K50	T9001199
R	764	RESISTANCE CHIPSE	RC2211 13,3 KOHM 0,5% 1/5W K50	T9001200
R	769	RESISTANCE CHIPSE	RC2211 17,4 KOHM 0,5% 1/5W K50	T9001202
R	760	RESISTANCE CHIPSE	RC2211 215 KOHMS 0,5% 1/5W K50	T9001213
R	798	RESISTANCE CHIPSE	RC2211 46,4 KOHM 0,5% 1/5W K50	T9001219
R	741	RESISTANCE CHIPSE	RC2211 4,3 KOHMS 0,5% 1/5W K50	T9001235
R	768	RESISTANCE CHIPSE	RC2211 3,65 KOHM 0,5% 1/5W K50	T9001296
R	740	RESISTANCE CHIPSE	RC2211 22,1 KOHM 0,5% 1/5W K50	T9001301
R	749 789	RESISTANCE CHIPSE	RC2211 121 OHMS 0,5% 1/5W K50	T9001383
R	734 785	RESISTANCE CHIPSE	RC2211 221 OHMS 0,5% 1/5W K50	T9001386
R	753 793	RESISTANCE CHIPSE	RC2211 332 OHMS 0,5% 1/5W K50	T9001390
R	781	RESISTANCE CHIPSE	RC2211 11 KOHMS 0,5% 1/5W K50	T9001404
R	794	RESISTANCE CHIPSE	RC2211 43,2 KOHM 0,5% 1/5W K50	T9001414
R	761	RESISTANCE CHIPSE	RC2211 61,9 KOHM 0,5% 1/5W K50	T9001416
R	743 780	RESISTANCE CHIPSE	RC2211 1,38 KOHM 0,5% 1/5W K50	T9001486
R	767	RESISTANCE CHIPSE	RC2211 6,98 KOHM 0,5% 1/5W K50	T9001487
R	786	RESISTANCE CHIPSE	RC2211 5,49 KOHM 0,5% 1/5W K50	T9001642
R	100 200 300 600 601 602 630 660 690 803 812 823	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
RESISTOR				
R	832	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	101 201 301	RESISTANCE CHIPSE	RC603 13 OHMS 0,5% 1/16W K50	T9001761
R	102 107 202 207 302 307	RESISTANCE CHIPSE	RC603 391 OHMS 0,5% 1/16W K50	T9001762
R	105 106 126 130 131 133 140 141 142 143 144 170 205 206 226 230 231 233 240 241 242 243 244 270 305 306 326 330 331 333 340 341 342 343 344 370 631 661 691 730 731 742 750 751 765 770 771 782 797 800 802 810 811 821 822 830 924 926 944 946 964 966 1010 1011 1020 1021 1030 1031 1048 1054	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	104 204 304 1044 1049 1057 1058	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	763 1047	RESISTANCE CHIPSE	RC603 2,74KOHMS 0,5% 1/16W 50K	T9001799
R	1042 1045 1055	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	1053	RESISTANCE CHIPSE	RC603 1,8 KOHMS 0,5% 1/16W 50	T9001813
R	766	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	772	RESISTANCE CHIPSE	RC603 12,1KOHMS 0,5% 1/16W 50K	T9001818
R	1046	RESISTANCE CHIPSE	RC603 820 OHMS 0,5% 1/16W 50K	T9003354
R	632 662 692	POTENTIOMETRE CMS	ST-4H 200 OHMS 20%	T9003516
R	1700 1710	RESISTANCE CHIPSE	RR0805 47,5KOHM 1% 1/10W K100	T9004023
TEST POINT				
TP	1 2 3 4 5 6 7 9 112 130 140 212 230 240 312 330 340 700 710 720	PLOT CMS	RCT00000C	T1002596
INTEGRATED CIRCUIT				
Z	796 1060	CIRCUIT INTEGRE CMS	*M*74HC4051 SO16P -40+85	99165327
Z	120 220 320 610 670 800 820	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	700	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	430	CIRCUIT INTEGRE ASIC CMS	ASIC-B TRAITEMENT VIDEO NUMERI	T1005105
Z	100 130 140 170 200 230 240 270 300 330 340 370 630 660 690 730 740 750 760 770 780 830 920 940 960 1010 1020 1030 1040 1050	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	400	CIRCUIT INTEGRE ASIC CMS	ASIC-A TRAITEMENT VIDEO CAMERA	T1005385
Z	500	CIRCUIT INTEGRE CMS	AV9170-01-CS8 SO8P 0+70	T1005395
Z	600	CIRCUIT INTEGRE CMS	ADV7122KP50 50MHZ PLCC44 0+70	T1005429
Z	160 260 360	CIRCUIT INTEGRE CMS	ADS801U SO28P(0.3) 0+70	T1005995
Z	50	CIRCUIT INTEGRE CMS	74ACT02 SO14P -40+85	T9000057
Z	60	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	540	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	1090 1100 1200	CIRCUIT INTEGRE CMS	082 SO8P -40+85	T9000867
Z	620 790 795 910 1070 1080	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	600A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S ENCOCHE	T9001122
Z	80 840 900	CIRCUIT INTEGRE CMS	LT1009 SO8P 0+70	T9001265
Z	510	CIRCUIT INTEGRE CMS	74AC244 SO20P -40+85	T9001276
Z	40	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	150	CIRCUIT INTEGRE CMS	74AC04 SO14P -40+85	T9001464
Z	110	CIRCUIT INTEGRE CMS	*M*74HCT4053 SO16P -40+85	T9001499
Z	520	CIRCUIT INTEGRE CMS	AV9170-04-CS8 SO8P 0+70	T9003492
Z	797	CIRCUIT INTEGRE CMS	LM285 1,235V -40+85 1% SO8P	T9003515

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		LANGUETTE	39964910
	30		BLINDAGE CARTE 2 CONNECTEURS	46152416AA
	10	FACE AVANT	PERCEE	46152948
	12	RONDELLE	520201-80	91280717
	35	RUBAN	TRANSFERT REF.950 LARG.19MM	91554602
	11	VIS	C M2X5 U Z2CN017-12 PASSIVE	99071508
CAPACITOR				
C	611 633 731	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	1 130 140 422 424 912 913 1000 1001	CONDENSATEUR CHIPS	*M*CTC3D 47MF 20% 16V	T1006086
C	311 312 323 330	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	2 3 4	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	541 631 732 783 865 866 943 951 982 983	CONDENSATEUR CHIPS	CC0603-1CG-J 100 PF 5% 63V	T9000870
C	867	CONDENSATEUR CHIPS	CC0603-1CG-J 220 PF 5% 63V	T9000871
C	784 944	CONDENSATEUR CHIPS	CC0603-1CG-J 330 PF 5% 63V	T9000872
C	90 103 104 110 122 131 141 150 160 170 180 181 182 183 190 191 192 193 200 210 220 221 230 231 240 241 270 300 320 321 322 324 332 340 341 400 403 500 501 502 520 540 550 572 580 610 630 634 650 660 700 701 703 704 733 781 782 790 791 860 861 862 863 910 911 920 921 941 942 980 981 984 1010 1011 1050 1060 1070 1071	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	225 235	CONDENSATEUR CHIPS	CC0603-1CG-J 12 PF 5% 63V	T9000958
C	331 805	CONDENSATEUR CHIPS	CC0603-1CG-J 15 PF 5% 63V	T9000959
C	1020	CONDENSATEUR CHIPS	CC0603-1CG-J 18 PF 5% 63V	T9000960
C	223 233 632	CONDENSATEUR CHIPS	CC0603-1CG-J 22 PF 5% 63V	T9000961
C	222 232 864	CONDENSATEUR CHIPS	CC0603-1CG-J 47 PF 5% 63V	T9000964
C	600	CONDENSATEUR CHIPS	CC0603-1CG-J 68 PF 5% 63V	T9000966
C	635 801	CONDENSATEUR CHIPS	CC0603-1CG-J 120 PF 5% 63V	T9000968
C	401	CONDENSATEUR CHIPS	CC0603-1CG-J 180 PF 5% 63V	T9000970
C	402	CONDENSATEUR CHIPS	CC0603-1CG-J 390 PF 5% 63V	T9000971
C	800	CONDENSATEUR CHIPS	CC0603-1CG-J 2,2PF+-0,25PF 63V	T9000974
C	868 952	CONDENSATEUR CHIPS	CC0603-1CG-J 4,7PF+-0,25PF 63V	T9000976
C	224 234 310	CONDENSATEUR CHIPS	CC0603-1CG-J 8,2PF+-0,25PF 63V	T9000978
C	705	CONDENSATEUR CHIPS	CC0603-2C1-J 1NF 10% 63V	T9001015
C	105 120 571 702 730 950	CONDENSATEUR CHIPS	CC0603-2C1-J 10NF 10% 63V	T9001016
C	915	CONDENSATEUR CHIPS	CC0603-1CG-J 27 PF 5% 63V	T9001179
C	570	CONDENSATEUR CHIPS	CC0805-1CG-J 1 NF 5% 50/63V	T9001369
C	100 101 831 961	CONDENSATEUR CHIPS	CTC3B 4.7MF 20% 16V	T9001370
C	420 421	CONDENSATEUR CHIPS	CTC3D 22MF 20% 16V	T9001718
DIODE				
CR	420 540 550 600 660 701	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	601 602	DIODE CMS	BAW56 SOT23 [A1]	99111266
CR	100 240 241 700 730 800	DIODE CMS	BAV99 SOT23	99116852
DELAY LINE				
DL	1010	LIGNE A RETARD	DL5107 338 NS 500 OHMS	91675760
CONNECTOR (FIXED)				
J	114	CONNECTEUR	LX-6P-DLT1-P1	T1001245
INDUCTOR				
L	1020	INDUCTANCE CMS	614AN-9101Z (100UH)	T1002140
L	950	INDUCTANCE CMS	614BN-9220Z (22UH)	T1002142
L	600 861	INDUCTANCE CMS	LC1812 22 MICROHENRYS 10%	T9001007
L	130 140	INDUCTANCE CMS	LC1812 47 MICROHENRYS 10%	T9001008
L	780 940	INDUCTANCE CMS	LC1812 68 MICROHENRYS 10%	T9001010
L	1 2 3 4	INDUCTANCE CMS	LC2220 22 UH 10% (ORO9)	T9001335
L	860	INDUCTANCE CMS	LC1812 10 MICROHENRYS 10%	T9001639
CONNECTOR (MOBILE)				
P	104	CONNECTEUR CMS	SMC-B-50-M-AB-CL-107	T1002997
TRANSISTOR				
Q	420 610 790 890 1000	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	300 310 900 1010	TRANSISTOR CMS	SO3906 PNP SOT23	99110322
RESISTOR				
R	11 12 13	POTENTIOMETRE CMS	ST-3A 10 KOHMS 20%	T1001973
R	14 15 23	POTENTIOMETRE CMS	ST-3A 5 KOHMS 20%	T1002027
R	19 21	POTENTIOMETRE CMS	ST-3A 1 KOHM 20%	T1002028
R	18	POTENTIOMETRE CMS	ST-3A 500 OHMS 20%	T1002085
R	10	POTENTIOMETRE CMS	ST-5W 10 KOHMS 10% (11 TOURS)	T1002157
R	16 20	POTENTIOMETRE CMS	ST-3A 100 KOHMS 20%	T1002181
R	220 230 271 420 520 540 600 881 882 910 913 1064	RESISTANCE CHIPSE	RR0603 1 KOHM 5% 1/16W K250	T9000696
R	106 244 320 323 633 713 737 738 793 805 830 960 1000 1060 1061	RESISTANCE CHIPSE	RR0603 10 KOHMS 5% 1/16W K250	T9000697
R	242 243 270 330 340 421 541 550 680 1062 1063 9410	RESISTANCE CHIPSE	RR0603 100 KOHMS 5% 1/16W K250	T9000698
R	603	RESISTANCE CHIPSE	RR0603 10 OHMS 5% 1/16W K250	T9000933
R	150 201 202 203 210 211 212 213 214 215	RESISTANCE CHIPSE	RR0603 22 OHMS 5% 1/16W K250	T9000941
R	200	RESISTANCE CHIPSE	RR0603 33 OHMS 5% 1/16W K250	T9000945
R	813	RESISTANCE CHIPSE	RR0603 39 OHMS 5% 1/16W K250	T9000947
R	787 865 1001 1010	RESISTANCE CHIPSE	RR0603 47 OHMS 5% 1/16W K250	T9000949
R	632 950 951	RESISTANCE CHIPSE	RR0603 1,5 KOHM 5% 1/16W K250	T9000982
R	602 831 866 961 984 1002 1011	RESISTANCE CHIPSE	RR0603 2,2 KOHMS 5% 1/16W K250	T9000986
R	423 601 610 911	RESISTANCE CHIPSE	RR0603 2,7 KOHMS 5% 1/16W K250	T9000988
R	124 400 890 900	RESISTANCE CHIPSE	RR0603 3,3 KOHMS 5% 1/16W K250	T9000990
R	110 180 300 301 333 607 791 792 800 953 954	RESISTANCE CHIPSE	RR0603 4,7 KOHMS 5% 1/16W K250	T9000994
R	952	RESISTANCE CHIPSE	RR0603 5,6 KOHMS 5% 1/16W K250	T9000996
R	100	RESISTANCE CHIPSE	RR0603 6,8 KOHMS 5% 1/16W K250	T9000998
R	604 631	RESISTANCE CHIPSE	RR0603 8,2 KOHMS 5% 1/16W K250	T9001000
R	310 332 422 581 790 861 870 981	RESISTANCE CHIPSE	RR0603 100 OHMS 5% 1/16W K250	T9001030
R	730	RESISTANCE CHIPSE	RR0603 220 OHMS 5% 1/16W K250	T9001038
R	788	RESISTANCE CHIPSE	RR0603 330 OHMS 5% 1/16W K250	T9001042
R	1021	RESISTANCE CHIPSE	RR0603 390 OHMS 5% 1/16W K250	T9001044
R	786 946	RESISTANCE CHIPSE	RR0603 430 OHMS 5% 1/16W K250	T9001045
R	871 880 1012	RESISTANCE CHIPSE	RR0603 470 OHMS 5% 1/16W K250	T9001046
R	912	RESISTANCE CHIPSE	RR0603 510 OHMS 5% 1/16W K250	T9001047
R	864 869 982 983	RESISTANCE CHIPSE	RR0603 560 OHMS 5% 1/16W K250	T9001048
R	862	RESISTANCE CHIPSE	RR0603 620 OHMS 5% 1/16W K250	T9001049
R	606 986 1003	RESISTANCE CHIPSE	RR0603 680 OHMS 5% 1/16W K250	T9001050
R	867	RESISTANCE CHIPSE	RR0603 820 OHMS 5% 1/16W K250	T9001052
R	860 980	RESISTANCE CHIPSE	RR0603 12 KOHMS 5% 1/16W K250	T9001055
R	872	RESISTANCE CHIPSE	RR0603 15 KOHMS 5% 1/16W K250	T9001057
R	571 821 944	RESISTANCE CHIPSE	RR0603 16 KOHMS 5% 1/16W K250	T9001058
R	101 812	RESISTANCE CHIPSE	RR0603 22 KOHMS 5% 1/16W K250	T9001061
R	784	RESISTANCE CHIPSE	RR0603 24 KOHMS 5% 1/16W K250	T9001062
R	401	RESISTANCE CHIPSE	RR0603 27 KOHMS 5% 1/16W K250	T9001063
R	630 634	RESISTANCE CHIPSE	RR0603 47 KOHMS 5% 1/16W K250	T9001069
R	711	RESISTANCE CHIPSE	RR0603 62 KOHMS 5% 1/16W K250	T9001072
R	247 706	RESISTANCE CHIPSE	RR0603 82 KOHMS 5% 1/16W K250	T9001075
R	605	RESISTANCE CHIPSE	RR0603 150 KOHMS 5% 1/16W K250	T9001080
R	241	RESISTANCE CHIPSE	RR0603 200 KOHMS 5% 1/16W K250	T9001083
R	709 735	RESISTANCE CHIPSE	RR0603 220 KOHMS 5% 1/16W K250	T9001084
R	500	RESISTANCE CHIPSE	RR0603 240 KOHMS 5% 1/16W K250	T9001085
R	240 344	RESISTANCE CHIPSE	RR0603 330 KOHMS 5% 1/16W K250	T9001088

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	660	RESISTANCE CHIPSE	RR0603 470 KOHMS 5% 1/16W K250	T9001092
R	8540	RESISTANCE CHIPSE	RR0603 680 KOHMS 5% 1/16W K250	T9001096
R	345 925	RESISTANCE CHIPSE	RR0603 820 KOHMS 5% 1/16W K250	T9001098
R	712 736 1020	RESISTANCE CHIPSE	RR0603 1 MEGHOM 5% 1/16W K250	T9001100
R	703	RESISTANCE CHIPSE	RR0603 1,5 MEGHOM 5% 1/16W	T9001101
R	707	RESISTANCE CHIPSE	RR0603 2,2 MEGHOM 5% 1/16W	T9001102
R	782	RESISTANCE CHIPSE	RC2211 3,32 KOHM 0,5% 1/5W K50	T9001115
R	780	RESISTANCE CHIPSE	RC2211 4,87 KOHM 0,5% 1/5W K50	T9001221
R	822	RESISTANCE CHIPSE	RC2211 3,01 KOHM 0,5% 1/5W K50	T9001400
R	923	RESISTANCE CHIPSE	RC2211 30,1 KOHM 0,5% 1/5W K50	T9001410
R	914	RESISTANCE CHIPSE	RC603 75 OHMS 0,5% 1/16W K50	T9001760
R	311 814	RESISTANCE CHIPSE	RC603 1 KOHMS 0,5% 1/16W K50	T9001763
R	945	RESISTANCE CHIPSE	RC603 1,6 KOHMS 0,5% 1/16W 50	T9001793
R	783 815 853 855 856 920 921 924 943	RESISTANCE CHIPSE	RC603 2KOHMS 0,5% 1/16W 50K	T9001795
R	810 820	RESISTANCE CHIPSE	RC603 2,21KOHMS 0,5% 1/16W 50K	T9001798
R	223 224 233 234 570 823	RESISTANCE CHIPSE	RC603 3,32KOHMS 0,5% 1/16W 50K	T9001801
R	811	RESISTANCE CHIPSE	RC603 4,64KOHMS 0,5% 1/16W 50K	T9001803
R	221 231 940	RESISTANCE CHIPSE	RC603 5,11KOHMS 0,5% 1/16W 50K	T9001804
R	222 232 922	RESISTANCE CHIPSE	RC603 5,62KOHMS 0,5% 1/16W 50K	T9001805
R	246 942	RESISTANCE CHIPSE	RC603 7,5KOHMS 0,5% 1/16W 50K	T9001806
R	941	RESISTANCE CHIPSE	RC603 4,22KOHMS 0,5% 1/16W 50K	T9001808
R	702 705 708	RESISTANCE CHIPSE	RC603 10KOHMS 0,5% 1/16W 50K	T9001817
R	731 733	RESISTANCE CHIPSE	RC603 12,1KOHMS 0,5% 1/16W 50K	T9001818
R	245	RESISTANCE CHIPSE	RC603 19,1KOHMS 0,5% 1/16W 50K	T9001821
R	120 121 122 321 322 700 734	RESISTANCE CHIPSE	RC603 22,1KOHMS 0,5% 1/16W 50K	T9001823
R	710	RESISTANCE CHIPSE	RC603 24,9KOHMS 0,5% 1/16W 50K	T9001824
R	248 342	RESISTANCE CHIPSE	RC603 46,4KOHMS 0,5% 1/16W 50K	T9001825
R	249 343 701 704 732	RESISTANCE CHIPSE	RC603 100KOHMS 0,5% 1/16W 50K	T9001826
R	851	RESISTANCE CHIPSE	RC603 9,53K 0,5% 1/16W K50	T9001845
R	852	RESISTANCE CHIPSE	RC603 18,7K 0,5% 1/16W K50	T9001846
R	854	RESISTANCE CHIPSE	RC603 29,4K 0,5% 1/16W K50	T9001847
R	123	RESISTANCE CHIPSE	RC603 26,7KOHMS 0,5% 1/16W 50K	T9003353
R	850	RESISTANCE CHIPSE	RC603 48,7KOHMS 0,5% 1/16W 50K	T9003489
R	857	RESISTANCE CHIPSE	RC603 604 OHMS 0,5% 1/16W 50K	T9003490
R	781	RESISTANCE CHIPSE	RC603 5,76K 0,5% 1/16W K50	T9003828
R	858 926	RESISTANCE CHIPSE	RC603 261K 0,5% 1/16W K50	T9003829
R	785	RESISTANCE CHIPSE	RC603 1,54KOHMS 0,5% 1/16W K50	T9004373
SWITCH				
S	1 2 3	COMMUTATEUR CMS	%%%INVERSEUR ROTAT.2POS+N 1POL	T9001347
TEST POINT				
TP	1 2 3 4 5 6 8 9 10 17 18 19 20 21 22 23	PLOT CMS	RCTO0000C	T1002596
QUARTZ				
Y	130	OSCILLATEUR A QUARTZ	VCXO-104 14,31818 MHZ	91686253
Y	140	OSCILLATEUR A QUARTZ	VC-TCXO-43C1 27MHZ +-1PPM	T1005597
INTEGRATED CIRCUIT				
Z	170	CIRCUIT INTEGRE PROGRAMME	Z 170	47016994
Z	190	CIRCUIT INTEGRE PROGRAMME	Z 190	47016995
Z	400 570 630	CIRCUIT INTEGRE CMS	*M*PC74HC4538T SO16P -40+85	91680869
Z	170A	SUPPORT DE CIRCUIT INTEGRE	SCC1D8-Y1-A-B	99116590
Z	200 210 800	CIRCUIT INTEGRE CMS	74HC04 SO14P -40+85	99137355
Z	930	CIRCUIT INTEGRE CMS	74HC08 SO14P -40+85	99137356
Z	250 270 340 580 790 880 1020	CIRCUIT INTEGRE CMS	*M*74HC4053 SO16P -40+85	99137357
Z	660	CIRCUIT INTEGRE CMS	74HC02 SO14P -40+85	99137358
Z	330	CIRCUIT INTEGRE CMS	74HC123 SO16P -40+85	99138868
Z	160 540 680	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	520 550	CIRCUIT INTEGRE CMS	74HC00 SO14P -40+85	99142253
Z	650	CIRCUIT INTEGRE CMS	*M*74HC4017 SO16P -40+85	99142989
Z	150	CIRCUIT INTEGRE CMS	74HCT04 SO14P -40+85	99143772
Z	100 240 320 700 710 730	CIRCUIT INTEGRE CMS	062 SO8P 0+70 (TL062)	99175378
Z	950	CIRCUIT INTEGRE CMS	LM6361 SO8P	T1000260
Z	220 230	CIRCUIT INTEGRE CMS	AD847JR SO8P 0+70	T1000607
Z	910	CIRCUIT INTEGRE CMS	LT1229CS8 SO8P 0+70	T1001991
Z	170	MEMOIRE PROM	XC1765-PD8C 08P 0+70	T1002597
Z	780 810 820 830 850 920 940 960	CIRCUIT INTEGRE CMS	CLC405AJE SO8 -40 +85	T1005343
Z	190	RESEAU LOGIQUE PROGRAM. CMS	*M*EPM7032LC44-10 PLCC44 0+70	T1005488
Z	500	CIRCUIT INTEGRE CMS	GS4982-CKA SO8P 0 +70	T1005547
Z	1060	MICROPROCESSEUR CMS	68HC68P1 SO16P -40+85 8BIT	T9000419
Z	90	CIRCUIT INTEGRE CMS	*M*74HC4046 SO16P -40+85	T9000577
Z	600	RESEAU DE TRANSISTORS CMS	3086 SO14P -40+85	T9000628
Z	120	CIRCUIT INTEGRE CMS	74HC4052 SO16P -40+85	T9000721
Z	1050	CIRCUIT INTEGRE CMS	DAC08 R-2R 6OUS DF16P -20+85	T9000728
Z	1070	CIRCUIT INTEGRE CMS	74HC4316 SO16P -40+85	T9000911
Z	190A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S ENCOCHE	T9001122
Z	860 980	CIRCUIT INTEGRE CMS	1496 SO14P 0+70	T9001554
Z	180		XC4003E-4-PQ100C QF100P 0+70	T9003863

< last page >

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033294AB DESIGNATION: BANA ITML-MAT 5V 1657D ELEC NF

REF COMPLEMENTAIRE:

EDITION: E NO MOD EDIT: 07 DATE MODIF EDIT: 12-Jan-98

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A02		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	14-Jan-98	00-XXX-00			275	000	
A16		1C518761AC	A	CARP BLOC ANALYSE IT NUM 625L	TB	1	U	12-Jan-99	00-XXX-00	E	A	290	000	
A07		T1002981		CCD MW3746CKH	MATSUSHITA	3	U	14-Jan-98	00-XXX-00			275	000	
A09		47019095		ETIM 20X05 'CCD TYPE 7'		1	U	14-Jan-98	00-XXX-00			400	000	
A08		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	14-Jan-98	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	14-Jan-98	00-XXX-00			400	000	
A04		47018154		ETIQ IDENTIF. BLOC ANALYSE IT/ML/4.3	TB	1	U	14-Jan-98	00-XXX-00			400	000	
A14		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	14-Jan-98	00-XXX-00	C	A	275	000	
A13	100	91509485		CISO CANON ISOLANT/BOITIER TO220 POLYESTER 190202	PHILIPS	1	U	14-Jan-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033293AB DESIGNATION: BANA ITML MAT 5V 1657D MANU NF

REF COMPLEMENTAIRE:

EDITION: E NO MOD EDIT: 07 DATE MODIF EDIT: 12-Jan-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A02		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	14-Jan-98	00-XXX-00			275	000	
A16		1C518761AC	A	CARP BLOC ANALYSE IT NUM 625L	TB	1	U	12-Jan-99	00-XXX-00	E	A	290	000	
A07		T1002981		CCD MW3746CKH	MATSUSHITA	3	U	14-Jan-98	00-XXX-00			275	000	
A09		47019095		ETIM 20X05 'CCD TYPE 7'		1	U	14-Jan-98	00-XXX-00			400	000	
A08		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	14-Jan-98	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	14-Jan-98	00-XXX-00			400	000	
A04		47018154		ETIQ IDENTIF. BLOC ANALYSE IT/ML/4.3	TB	1	U	14-Jan-98	00-XXX-00			400	000	
A14		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	14-Jan-98	00-XXX-00	C	A	275	000	
A13	100	91509485		CISO CANON ISOLANT/BOITIER TO220 POLYESTER 190202	PHILIPS	1	U	14-Jan-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033342AB DESIGNATION: BANA ITML 4/3 1657D 525 ELEC NF

REF COMPLEMENTAIRE:

EDITION: D NO MOD EDIT: 07 DATE MODIF EDIT: 00-XXX-00

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A02		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	14-Jan-98	00-XXX-00			275	000	
A08		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	14-Jan-98	00-XXX-00			400	000	
A13		47032987		ETIM 20X05 `CCD TYPE 15'		1	U	14-Jan-98	00-XXX-00			400	000	
A12		T9003616		CCD MW3736 CKH		3	U	14-Jan-98	00-XXX-00			275	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	14-Jan-98	00-XXX-00			400	000	
A17		1A518765AA		CARP %%%BLOC ANA 4/3 IT 525 1657D	TB	1	U	19-Nov-98	00-XXX-00	D	A	380	000	
A04		47018154		ETIQ IDENTIF. BLOC ANALYSE IT/ML/4.3	TB	1	U	14-Jan-98	00-XXX-00			400	000	
A16		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	14-Jan-98	00-XXX-00	C	A	275	000	
A15	100	91509485		CISO CANON ISOLANT/BOITIER TO220 POLYESTER 190202	PHILIPS	1	U	14-Jan-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033343AB DESIGNATION: BANA IT 4/3 1657D 525 MANU NF

REF COMPLEMENTAIRE:

EDITION: D NO MOD EDIT: 07 DATE MODIF EDIT: 20-Nov-98

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A02		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	14-Jan-98	00-XXX-00			275	000	
A08		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	14-Jan-98	00-XXX-00			400	000	
A13		47032987		ETIM 20X05 `CCD TYPE 15'		1	U	14-Jan-98	00-XXX-00			400	000	
A12		T9003616		CCD MW3736 CKH		3	U	14-Jan-98	00-XXX-00			275	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	14-Jan-98	00-XXX-00			400	000	
A17		1A518765AA		CARP %%%BLOC ANA 4/3 IT 525 1657D	TB	1	U	20-Nov-98	00-XXX-00	D	A	380	000	
A04		47018154		ETIQ IDENTIF. BLOC ANALYSE IT/ML/4.3	TB	1	U	14-Jan-98	00-XXX-00			400	000	
A16		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	14-Jan-98	00-XXX-00	C	A	275	000	
A15	100	91509485		CISO CANON ISOLANT/BOITIER TO220 POLYESTER 190202	PHILIPS	1	U	14-Jan-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033635AB DESIGNATION: BANA 1000IT 16/9 PAL ELEC 1657D

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: DATE MODIF EDIT: 25-Jun-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A01		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	25-Jun-99	00-XXX-00			275	000	
A05		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	25-Jun-99	00-XXX-00			275	000	
A10		46153451AA		ETIQ BANA IT ML 4/3 16/9	TBS	1	U	25-Jun-99	00-XXX-00			400	000	
A08		16518776AA	B	CARP ANALYSE 1000 POINTS IT 16/9	TB	1	U	25-Jun-99	00-XXX-00			290	000	
A11		47033872AA	A	ETIM 20X05 'CCD TYPE 20'	TBS	1	U	25-Jun-99	00-XXX-00			400	000	
A02		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	25-Jun-99	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	25-Jun-99	00-XXX-00			400	000	
A12		T9005378		CCD IT 16/9 1000PTS PAL MW37481AE IMPROVED		3	U	25-Jun-99	00-XXX-00	A	A	275	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033634AB DESIGNATION: BANA 1000 IT 16/9 PAL MANUEL 1657D

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: DATE MODIF EDIT: 25-Jun-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A01		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	25-Jun-99	00-XXX-00			275	000	
A05		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	25-Jun-99	00-XXX-00			275	000	
A10		46153451AA		ETIQ BANA IT ML 4/3 16/9	TBS	1	U	25-Jun-99	00-XXX-00			400	000	
A08		16518776AA	B	CARP ANALYSE 1000 POINTS IT 16/9	TB	1	U	25-Jun-99	00-XXX-00			290	000	
A11		47033872AA	A	ETIM 20X05 'CCD TYPE 20'	TBS	1	U	25-Jun-99	00-XXX-00			400	000	
A02		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	25-Jun-99	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	25-Jun-99	00-XXX-00			400	000	
A12		T9005378		CCD IT 16/9 1000PTS PAL MW37481AE IMPROVED		3	U	25-Jun-99	00-XXX-00	A	A	275	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033918AA DESIGNATION: BANA %%1000 IT 16/9 NTSC ELEC 1657D

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: 01 DATE MODIF EDIT: 00-XXX-00

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A01		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	08-Feb-99	00-XXX-00			275	000	
A05		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	08-Feb-99	00-XXX-00			275	000	
A07		T9004668		CCD %%% MW37381AE		3	U	08-Feb-99	00-XXX-00			380	000	
A06		46153451AA		ETIQ BANA IT ML 4/3 16/9	TBS	1	U	08-Feb-99	00-XXX-00			380	000	
A08		16518776BA		CARP ANALYSE 1000PTS IT 16/9 NTSC	TB	1	U	08-Feb-99	00-XXX-00			380	000	
A02		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	08-Feb-99	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	08-Feb-99	00-XXX-00			400	000	
A09		47033920AA	A	ETIM 20X05 'CCD TYPE 21'	TBS	1	U	08-Feb-99	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033919AA DESIGNATION: BANA %%1000 IT 16/9 NTSC MANU 1657D

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: 01 DATE MODIF EDIT: 00-XXX-00

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A01		47018006AA		SUP. CCD HOLDER	TBSPROG	3	U	08-Feb-99	00-XXX-00			275	000	
A05		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	08-Feb-99	00-XXX-00			275	000	
A07		T9004668		CCD %%% MW37381AE		3	U	08-Feb-99	00-XXX-00			380	000	
A06		46153451AA		ETIQ BANA IT ML 4/3 16/9	TBS	1	U	08-Feb-99	00-XXX-00			380	000	
A08		16518776BA		CARP ANALYSE 1000PTS IT 16/9 NTSC	TB	1	U	08-Feb-99	00-XXX-00			380	000	
A02		T6000207		CAPL NAPPE PLIE BLOC ANAL.4/3 P510027B	AXON-CABL	1	U	08-Feb-99	00-XXX-00			400	000	
A03		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	08-Feb-99	00-XXX-00			400	000	
A09		47033920AA	A	ETIM 20X05 'CCD TYPE 21'	TBS	1	U	08-Feb-99	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033198AC DESIGNATION: BANA FIT 16/9 1657D PAL ELEC NF
REF COMPLEMENTAIRE:
EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 21-Jan-99
CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A52		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	18-Nov-98	00-XXX-00			400	000	
A59		T9004971		CCD MW37681AE		3	U	19-Nov-98	00-XXX-00	A	A	275	000	
A58		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	18-Nov-98	00-XXX-00			275	000	
A31		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	18-Nov-98	00-XXX-00			400	000	
A61		47033636AA	A	ETIM 20X05 'CCD TYPE 18'	TBS	1	U	21-Jan-99	00-XXX-00	B	A	400	000	
A49		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	18-Nov-98	00-XXX-00			275	000	
A60		1E518758AF	A	CARP BLOC ANALYSE 16/9 NUM	TB	1	U	19-Nov-98	00-XXX-00	A	A	290	000	
A35		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A40	21	47018068		CAPTEUR THERMIQUE	T.B	2	U	18-Nov-98	00-XXX-00			400	000	
A41	22	3A963995		CAPTEUR THERMIQUE	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A50	23	47018219		PONTET ENTRAXE 28.5	TB	3	U	18-Nov-98	00-XXX-00			400	000	
A37	31	47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A38	32	47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A43	34	39964253		BRIDE	TVE	3	U	18-Nov-98	00-XXX-00			400	000	
A39 A	33	47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033199AC DESIGNATION: BANA FIT 16/9 1657D PAL MANU NF

REF COMPLEMENTAIRE:

EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 21-Jan-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A61		47033636AA	A	ETIM 20X05 'CCD TYPE 18'	TBS	1	U	21-Jan-99	00-XXX-00	B	A	400	000	
A38		47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A40		47018068		CAPTEUR THERMIQUE	T.B	2	U	18-Nov-98	00-XXX-00			400	000	
A39		47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A58		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	18-Nov-98	00-XXX-00			275	000	
A43		39964253		BRIDE	TVE	3	U	18-Nov-98	00-XXX-00			400	000	
A59		T9004971		CCD MW37681AE		3	U	19-Nov-98	00-XXX-00	A	A	275	000	
A52		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	18-Nov-98	00-XXX-00			400	000	
A41		3A963995		CAPTEUR THERMIQUE	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A31		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	18-Nov-98	00-XXX-00			400	000	
A60		1E518758AF	A	CARP BLOC ANALYSE 16/9 NUM	TB	1	U	19-Nov-98	00-XXX-00	A	A	290	000	
A50		47018219		PONTET ENTRAXE 28.5	TB	3	U	18-Nov-98	00-XXX-00			400	000	
A37		47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A49		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	18-Nov-98	00-XXX-00			275	000	
A35		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	18-Nov-98	00-XXX-00			400	000	

FIN DE L'ETAT

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033340AC DESIGNATION: BANA FIT 16/9 1657D NTSC ELEC NF

REF COMPLEMENTAIRE:

EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 21-Jan-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A04		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	18-Nov-98	00-XXX-00			400	000	
A17		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	18-Nov-98	00-XXX-00			400	000	
A21		T9004972		CCD MW37581AE		3	U	19-Nov-98	00-XXX-00	A	A	002	000	
A20		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	18-Nov-98	00-XXX-00			275	000	
A06		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A23		47033869AA	A	ETIM 20X05 'CCD TYPE 19'	TBS	1	U	21-Jan-99	00-XXX-00	B	A	400	000	
A22		1A518764AB	A	CARP BLOC ANALYSE 16/9 NUM 525L	TB	1	U	19-Nov-98	00-XXX-00	A	A	380	000	
A08		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	18-Nov-98	00-XXX-00			275	000	
A05	21	47018068		CAPTEUR THERMIQUE	T.B	2	U	18-Nov-98	00-XXX-00			400	000	
A03	22	3A963995		CAPTEUR THERMIQUE	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A07	23	47018219		PONTET ENTRAXE 28.5	TB	3	U	18-Nov-98	00-XXX-00			400	000	
A10	31	47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A09	32	47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A11	33	47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A02	34	39964253		BRIDE	TVE	3	U	18-Nov-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033339AC DESIGNATION: BANA FIT 16/9 1657D 525 MANU NF

REF COMPLEMENTAIRE:

EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 21-Jan-99

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A02		39964253		BRIDE	TVE	3	U	18-Nov-98	00-XXX-00			400	000	
A22		47033869AA	A	ETIM 20X05 'CCD TYPE 19'	TBS	1	U	21-Jan-99	00-XXX-00	B	A	400	000	
A06		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A08		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	18-Nov-98	00-XXX-00			275	000	
A07		47018219		PONTET ENTRAXE 28.5	TB	3	U	18-Nov-98	00-XXX-00			400	000	
A19		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	18-Nov-98	00-XXX-00			275	000	
A10		47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A20		T9004972		CCD MW37581AE		3	U	19-Nov-98	00-XXX-00	A	A	275	000	
A16		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	18-Nov-98	00-XXX-00			400	000	
A09		47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A03		3A963995		CAPTEUR THERMIQUE	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A21		1A518764AB	A	CARP BLOC ANALYSE 16/9 NUM 525L	TB	1	U	19-Nov-98	00-XXX-00	A	A	290	000	
A05		47018068		CAPTEUR THERMIQUE	T.B	2	U	18-Nov-98	00-XXX-00			400	000	
A11		47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	18-Nov-98	00-XXX-00			400	000	
A04		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	18-Nov-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033567AA DESIGNATION: BANA 1250 FIT 16/9 PAL MOTO
REF COMPLEMENTAIRE: 1657D
EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 05-Jun-98
CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A31		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	08-Apr-98	00-XXX-00			400	000	
A59		T9003999		CCD MW3769MAE FIT 1200PTS 16:9		3	U	08-Apr-98	00-XXX-00			275	000	
A58		T9004110		SEPO TV621G-1 508 ELEC SANS FILTRE		1	U	08-Apr-98	00-XXX-00			275	000	
A66		47033621AA	A	ETIM 20X05 'CCD TYPE 16'	TBS	1	U	05-Jun-98	00-XXX-00	B	A	400	000	
A35		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A52		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	08-Apr-98	00-XXX-00			400	000	
A65		16518770AA	A	CARP ANALYSE 1250 POINTS FIT 16/9	TB	1	U	05-Jun-98	00-XXX-00	B	A	380	000	
A49		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	08-Apr-98	00-XXX-00			275	000	
A40	21	47018068		CAPTEUR THERMIQUE	T.B	2	U	08-Apr-98	00-XXX-00			400	000	
A41	22	3A963995		CAPTEUR THERMIQUE	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A50	23	47018219		PONTET ENTRAXE 28.5	TB	3	U	08-Apr-98	00-XXX-00			400	000	
A37	31	47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A38	32	47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A43	34	39964253		BRIDE	TVE	3	U	08-Apr-98	00-XXX-00			400	000	
A39 A	33	47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47033568AA DESIGNATION: BANA 1250 FIT 16/9 PAL MANUEL
REF COMPLEMENTAIRE: 1657D
EDITION: B NO MOD EDIT: 02 DATE MODIF EDIT: 05-Jun-98
CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A31		47018056	O	KIT2 CABL ET MECA BLOC ANALYSE 1657		1	U	08-Apr-98	00-XXX-00			400	000	
A39		47032015		CALODUC DIA.3 LG. 60MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A41		3A963995		CAPTEUR THERMIQUE	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A40		47018068		CAPTEUR THERMIQUE	T.B	2	U	08-Apr-98	00-XXX-00			400	000	
A66		47033621AA	A	ETIM 20X05 'CCD TYPE 16'	TBS	1	U	05-Jun-98	00-XXX-00	B	A	400	000	
A49		47018224AA		SUP. CCD HOLDER 16/9 FIT ENTRAXE 28.5	TBS	3	U	08-Apr-98	00-XXX-00			275	000	
A65		16518770AA	A	CARP ANALYSE 1250 POINTS FIT 16/9	TB	1	U	05-Jun-98	00-XXX-00	B	A	380	000	
A59		T9003999		CCD MW3769MAE FIT 1200PTS 16:9		3	U	08-Apr-98	00-XXX-00			275	000	
A43		39964253		BRIDE	TVE	3	U	08-Apr-98	00-XXX-00			400	000	
A35		47018156		ETIQ IDENTIF BLOC ANALYSE FIT/ML/4.3/16.9	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A52		T6000208		CAPL NAPPE PLIE BLOC ANAL.16/9 P510016BA	AXON CABL	1	U	08-Apr-98	00-XXX-00			400	000	
A38		47032004		CALODUC DIA.3 LG. 80MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	
A50		47018219		PONTET ENTRAXE 28.5	TB	3	U	08-Apr-98	00-XXX-00			400	000	
A58		T9004111		SEPO TV621H-1 508 MANU SANS FILTRE		1	U	08-Apr-98	00-XXX-00			275	000	
A37		47032005		CALODUC DIA.3 LG.110MM SPE 39961813	TB	1	U	08-Apr-98	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 47018056 DESIGNATION: KIT2 CABL ET MECA BLOC ANALYSE 1657

REF COMPLEMENTAIRE:

EDITION: O NO MOD EDIT: 06 DATE MODIF EDIT: 07-Apr-97

CODE FAM/PROD :3A PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A40		91464566		RUBN BUTERTON 29 LONG.7M	BARNIER	.5	M	07-Mar-97	00-XXX-00	N	A	400	000	
A35		T1003023		FILT TF332A (FILTRE OPTIQUE) 410A7783750/MC1152S	FUJI	1	U	03-May-95	00-XXX-00	J	A	400	000	
A04	09	47018041		PROTECTION CCD 1657	TB	3	U	01-Oct-93	00-XXX-00			400	000	
A34	10	3A965347		FACE AVANT	TB	1	U	14-Apr-95	00-XXX-00	I	A	400	000	
A23	11	39965404		MOUSSE FACE AVANT SEPARATEUR	TB	1	U	09-Nov-93	00-XXX-00	C	A	400	000	
A41	12	T9003783		JOIN ALTOSKIN ASSH04944		.5	U	07-Apr-97	00-XXX-00	O	A	400	000	
A07	13	39965309		PINCE CABLE	TB	2	U	01-Oct-93	00-XXX-00			400	000	
A08	14	T9000452		VIS F/90 M2X6 U INOX ZINGUE NOIR	TB-BDC	2	U	01-Oct-93	00-XXX-00			400	000	
A36	15	39965828		LEVR LEVIER	TB	1	U	29-May-95	00-XXX-00	K	A	400	000	
A13	20	39964720		SUPPORT ENTRETOISE	TB	1	U	01-Oct-93	00-XXX-00			400	000	
A01	A 19	T6000059		FILT 410A4746120 GLASS SPACER SPE 39961646	FUJI	6	U	01-Oct-93	00-XXX-00	L	M	400	000	
A28	V 21	T6000083		VIS CHC M3X5 INOX A2-70 NOIR SP39960411	SDS	4	U	14-Dec-93	00-XXX-00	E	A	400	000	
A16	V 22	99060923		VIS C M3X6/6 U INOX.A4 PASS.	TH-CSF BCN	7	U	01-Oct-93	00-XXX-00	E	M	400	000	
A17	V 23	99051638		RDEL 520301-80	NOMEL	7	U	01-Oct-93	00-XXX-00	E	M	400	000	
A32	V 24	99071509		VIS C M2X3/3 U INOX.A4 PASS. 60KG DOC.20702007	TH-CSF BCN	9	U	05-Jul-94	00-XXX-00	G	M	400	000	
A27	V 25	91280717		RDEL 520201-80	NOMEL	9	U	19-Nov-93	00-XXX-00	D	A	400	000	
A37	VIS 30	91221430		COSS 519C	MFOEM	1	U	13-Mar-96	00-XXX-00	M	A	400	000	
A38	VIS 31	99071509		VIS C M2X3/3 U INOX.A4 PASS. 60KG DOC.20702007	TH-CSF BCN	1	U	13-Mar-96	00-XXX-00	M	A	400	000	
A39	VIS 32	91280717		RDEL 520201-80	NOMEL	1	U	13-Mar-96	00-XXX-00	M	A	400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 46152780AA DESIGNATION: KIT2 BLOC TRAIT NUM COMMUT FORMAT

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: DATE MODIF EDIT: 00-XXX-00

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
C81		96103322		ISOL ISOLANT ADHESIF SUIVANT SPE 39962391	TVE	1	U	29-Mar-99	00-XXX-00			400	000	
D15		T1007015		CAPL FFC 1.00 A18 100 L3-3-07-07	AXON CABLE	2	U	29-Mar-99	00-XXX-00			400	000	
D28		T6000209AA		CAPL NAPPE PLIE BLOC TRAITEMENT P5100403	AXON CABL	1	U	29-Mar-99	00-XXX-00			400	000	
D08		47019361		PLFX PATTE DE MAINTIEN SIDE CONTROL	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
D09		99002491		GAIN GAINE THERMO 3/16 UL224 BLAN D:4,8 BAR:1,2M	TH-CSF BCN	.02	M	29-Mar-99	00-XXX-00			400	000	
C93		T1003182		RUBN Y9469 LARG:12,7MM EP:0.13MM ADHESIF ACRYLIQUE	3M	.1	M	29-Mar-99	00-XXX-00			400	000	
C61	01	99001045		TRAV PP1 BLANC (BROCHE+ISOLANT) 70798100+74105000	TH-CSF BCN	1	U	29-Mar-99	00-XXX-00			400	000	
C65	02	91353614		RUBN FRETTE 90822 N10 POLYAMIDE VERTE	MANUTEX	.17	M	29-Mar-99	00-XXX-00			400	000	
D41	03	46152996AC		CAPO GRILLE PROTECT. POIGNEE	TBS	1	U	29-Mar-99	00-XXX-00	A	A	400	000	
D29	10	91319702		TRES TP2(CU.ETAME)	ELECTRO-SH	.05	M	29-Mar-99	00-XXX-00			400	000	
D38	11	99010661		GOUP GO.1 1,5X16 ACIER Z6CND18-12	LGC	1	U	29-Mar-99	00-XXX-00			400	000	
D37	11	46153360AA		PASTILLE FLOTTANTE	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
D36	11	3B965523AA		CENTREUR AVANT 1657D CAMERA 1657D	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
A03	12	39964883		PATIN	TB	4	U	29-Mar-99	00-XXX-00			400	000	
D35	13	3A965515AA		%%%GRIFFE ARRIERE	TBS	1	U	29-Mar-99	00-XXX-00			380	000	
D05	20	4A018088	B	ETIQ LOT MARQUAGE CORPS 1657	TB	1	U	29-Mar-99	00-XXX-00			400	000	
B99	33	39965403		MOUSSE SIDE CONTROL	TB	1	U	29-Mar-99	00-XXX-00			400	000	
C29	34	29533038		ROND.ETANCHEITE INVERSEUR	TVE	6	U	29-Mar-99	00-XXX-00			400	000	
C94	37	3A965108		PLFX PATTE DE FIXATION SIDE CONTROL	TB	1	U	29-Mar-99	00-XXX-00			400	000	
C01	41	39965402		MOUSSE FRONT CONTROL	TB	1	U	29-Mar-99	00-XXX-00			400	000	
A54	42	99066802		ENTL ENLIS2 LG.12	ACCEL	2	U	29-Mar-99	00-XXX-00			400	000	
B30	43	T1002197		CAPU 465802000 (NOIR)	C&K COMPOS	3	U	29-Mar-99	00-XXX-00			400	000	
D25	50	46152896AA		ENTRETOISE BNC	TBS	2	U	29-Mar-99	00-XXX-00			400	000	
D24	53	3A965325AA		ETIQUETTE CROSSE DROITE	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
C88	65	T1003134		PFIL 252-002 DA 20/65/15	HELAVIA	1	U	29-Mar-99	00-XXX-00			400	000	
D39	70	46153121AA	A	GLISSIERE HAUTE EQUIPEE	TBS	1	U	29-Mar-99	00-XXX-00	A	A	400	000	
D40	71	46153122AA	A	GLISSIERE BASSE EQUIPEE	TBS	1	U	29-Mar-99	00-XXX-00	A	A	400	000	
D16	75	46152784		BUTEE INTERCONNECTION	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
D17	76	99059529		VIS F/90 M2X6/6 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	
B31	81	39965106		RIGIDIFICATEUR INTERCONNEXION	TB	1	U	29-Mar-99	00-XXX-00			400	000	
A29	83	29290234		BRIDE	TVE	1	U	29-Mar-99	00-XXX-00			400	000	
A14	84	29290184	A	QUEUE D ARONDE FEMELLE	TVE	1	U	29-Mar-99	00-XXX-00			400	000	
A17	85	29290182		CENTREUR	TVE	1	U	29-Mar-99	00-XXX-00			400	000	
C30	86	29290355		MOUSSE	TVE	1	U	29-Mar-99	00-XXX-00			400	000	
C95	94	3A965445		CACHE ADAPTEUR	TB	1	U	29-Mar-99	00-XXX-00			400	000	
C47	102	39965486		CADRE CI KEY BOARD	TB	3	U	29-Mar-99	00-XXX-00			400	000	
A68	103	39965328		LEXAN CI KEY BOARD	TB	1	U	29-Mar-99	00-XXX-00			400	000	
A11	111	39964887		AXE DE VERROUILLAGE	TB	1	U	29-Mar-99	00-XXX-00			400	000	
C04	112	T1002610		RSOR C.045.060.0200.A	VANEL	1	U	29-Mar-99	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 46152780AA DESIGNATION: KIT2 BLOC TRAIT NUM COMMUT FORMAT

REF COMPLEMENTAIRE:

EDITION: A NO MOD EDIT: DATE MODIF EDIT: 00-XXX-00

CODE FAM/PROD :3D PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
D34	113	39964888AA		CORPS DE VERROUILLAGE	TBS	1	U	29-Mar-99	00-XXX-00			400	000	
D20	114	99058372	VIS	C M3X10/10 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	
A05	115	39964890		BAGUE	TB	1	U	29-Mar-99	00-XXX-00			400	000	
B24	116	99010659	GOUP	GO.1 1,5X10 ACIER Z6CND18-12	LGC	1	U	29-Mar-99	00-XXX-00			400	000	
A12	117	39964889		BOUTON D'EPAULIERE	TB	1	U	29-Mar-99	00-XXX-00			400	000	
D21	118	47019589AA		CANON EN DELRIN	TBS	2	U	29-Mar-99	00-XXX-00			400	000	
C99	119	3C965099		PORTE INF. EQUIPEE	TB	1	U	29-Mar-99	00-XXX-00			400	000	
C92	216	39965716		SUPPORT RADIATEUR	TB	1	U	29-Mar-99	00-XXX-00			400	000	
B33	605	39964878		GOND GAUCHE	TB	1	U	29-Mar-99	00-XXX-00			400	000	
B34	610	39964879		GOND DROIT	TB	1	U	29-Mar-99	00-XXX-00			400	000	
D26	635	T9004269	VIS	C M2,5X10 NYLON		1	U	29-Mar-99	00-XXX-00			400	000	
D27	636	91313773		RDEL 101 EP.1 CARTON BAKELISE	MFOEM	1	U	29-Mar-99	00-XXX-00			400	000	
C82 COS	01	91221430		COSS 519C	MFOEM	1	U	29-Mar-99	00-XXX-00			400	000	
D30 COS	02	91200575		COSS 519	MFOEM	2	U	29-Mar-99	00-XXX-00			400	000	
D31 GAI	01	99002489		GAIN GAINE THERMO 3/32 UL224 NOIR D:2,4 BAR:1,2M	TH-CSF BCN	.05	M	29-Mar-99	00-XXX-00			400	000	
D32 GAI	02	99002490		GAIN GAINE THERMO 1/8 UL224 NOIR D:3,2 BAR:1,2M	TH-CSF BCN	.01	M	29-Mar-99	00-XXX-00			400	000	
A45 VIS	10	99056652		VIS F/90 M1,6X4/3,2 LAITON NI 5	AFNOR	2	U	29-Mar-99	00-XXX-00			400	000	
C45 VIS	15	99059529		VIS F/90 M2X6/6 U INOX.A4 PASS.	TH-CSF BCN	8	U	29-Mar-99	00-XXX-00			400	000	
A25 VIS	20	99060919		VIS C M2,5X6/6 U INOX.A4 PASS.	TH-CSF BCN	4	U	29-Mar-99	00-XXX-00			400	000	
C40 VIS	21	99059911		ECRU H M2,5 U INOX A4 PASSIVE	TH-CSF BCN	1	U	29-Mar-99	00-XXX-00			400	000	
A56 VIS	22	99052511		RDEL M2,5U A4-50 PASSIVE	AFNOR	12	U	29-Mar-99	00-XXX-00			400	000	
A55 VIS	23	99060922		VIS C M2,5X16/16 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	
A57 VIS	24	91280718		RDEL 520251-80	NOMEL	12	U	29-Mar-99	00-XXX-00			400	000	
A34 VIS	26	99060920		VIS C M2,5X8/8 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	
B01 VIS	27	T6000015		VIS CHC M2,5X8 INOX A2-70 NOIR SP39960411	SDS	2	U	29-Mar-99	00-XXX-00			400	000	
D06 VIS	28	T6000203		VIS F/90+ PHILIPS M2.5X5 NOIR SPE47018469-022 INOX	BOSSARD	4	U	29-Mar-99	00-XXX-00			400	000	
C37 VIS	30	T6000014		VIS CHC M3X8 INOX A2-70 NOIR SP39960411	SDS	3	U	29-Mar-99	00-XXX-00			400	000	
C67 VIS	31	T6000099		VIS F/90+ PHILIPS M3X8 NOIR SPE47018469-022 INOX	BOSSARD	2	U	29-Mar-99	00-XXX-00			400	000	
C96 VIS	32	T6000097		VIS F/90+ PHILIPS M3X5 NOIR SPE47018469-022 INOX	BOSSARD	3	U	29-Mar-99	00-XXX-00			400	000	
C46 VIS	34	T6000018		VIS CHC M3X6 U INOX A2.70 NOIR SP39960411	BOSSARD	1	U	29-Mar-99	00-XXX-00			400	000	
C53 VIS	38	99077508		VIS C M2,5X12/12 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	
D07 VIS	40	99107007		VIS CHC M4X8/8 U INOX.A4 PASS.	TH-CSF BCN	5	U	29-Mar-99	00-XXX-00			400	000	
D22 VIS	41	T6000088		VIS F/90HC M4X14 INOX ZINGUE NOIR SPE	39960411	2	U	29-Mar-99	00-XXX-00			400	000	
C58 VIS	42	T6000016		VIS CHC M4X16 INOX A2-70 NOIR SP39960411	SDS	4	U	29-Mar-99	00-XXX-00			400	000	
C69 VIS	605	99078673		VIS C M2,5X4/4 U INOX.A4 PASS.	TH-CSF BCN	2	U	29-Mar-99	00-XXX-00			400	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 46152944AB DESIGNATION: ENS. AXE DE VISEUR
REF COMPLEMENTAIRE: MONOBLOC
EDITION: - NO MOD EDIT: DATE MODIF EDIT: 00-XXX-00
CODE FAM/PROD :3C PROPRIETAIRE:REN

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A01	01	46152767AA		FOURREAU	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A02	02	46152928AA		BUTEE	TBS	2	U	10-Apr-98	00-XXX-00			380	000	
A03	03	46152929AA		ANNEAU	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A04	04	46152930AA		ECROU	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A05	05	46152931AA		CLAVETTE	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A06	06	99107006		VIS CHC M2.5X6 U INOX.A4 PASS. 60KG DOC.20702009	TH-CSF BCN	1	U	10-Apr-98	00-XXX-00			380	000	
A07	07	91280718		RDEL 520251-80	NOMEL	1	U	10-Apr-98	00-XXX-00			380	000	
A08	08	46152927AA		AXE DE SERRAGE	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A09	09	99059915		ECRU H M6 U INOX A4 PASSIVE	TH-CSF BCN	1	U	10-Apr-98	00-XXX-00			380	000	
A10	10	99051605		RDEL 520601-80	NOMEL	1	U	10-Apr-98	00-XXX-00			380	000	
A17	11	46153213AA		AXE DE VISEUR	TBS	1	U	10-Apr-98	00-XXX-00			380	000	
A16	12	39964917		ECROU BLOCAGE VISEUR	TB	1	U	10-Apr-98	00-XXX-00			380	000	
A15	13	39963337		RONDELLE DE FRICTION	TB	1	U	10-Apr-98	00-XXX-00			380	000	

DATE D'APPLICATION: 10-Aug-99 N O M E N C L A T U R E D E D E F I N I T I O N (un niveau)

CODE COMPOSE: 39965513 DESIGNATION: TRIPOD ATTACHMENT 1657

REF COMPLEMENTAIRE:

EDITION: H NO MOD EDIT: DF DATE MODIF EDIT: 16-Apr-96

CODE FAM/PROD :3C PROPRIETAIRE:DPB

NO SEQ	REPERE TOPO	NO ARTICLE	ED	DESIGNATION / REF COMP /REMARQUES	FABRICANT	QTE DU LIEN	UM	DATE DEPART	DATE CLOTURE	IND MOD	COD MOD	SEQ OPE	NO GOD	CODE FORME
A41		T9003753		RUBN MOUSSE ADHESIVE EP 3.2 4508 REF:4508 LARG:9,5MM	3M	.05	U	03-Aug-94	00-XXX-00	C	A	380	000	
A44		T6000015		VIS CHC M2,5X8 INOX A2-70 NOIR SP39960411	SDS	1	U	10-Mar-97	00-XXX-00	G	A	380	000	
A01	05	39965510	A	SEMELLE	TB	1	U	28-Sep-93	00-XXX-00			480	000	
A42	10	3A965514		GUIDE ARRIERE	TBS	1	U	01-Dec-95	00-XXX-00	D	A	380	000	
A03	15	99012677		VIS F/90 M3X10/10 U INOX.A4 PASS.	TH-CSF BCN	2	U	28-Sep-93	00-XXX-00			380	000	
A45	20	39965522AA		COMMANDE ARRIERE	TBS	1	U	22-Jul-98	00-XXX-00	H	A	380	000	
A05	25	39965518		COMMANDE VERROUILLEUR	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A06	30	39965527		GUIDE	TB	4	U	28-Sep-93	00-XXX-00			380	000	
A07	35	39965517		VERROUILLEUR	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A08	36	99051638		RDEL 520301-80	NOMEL	2	U	28-Sep-93	00-XXX-00			380	000	
A09	37	99060924		VIS C M3X8/8 U INOX.A4 PASS.	TH-CSF BCN	1	U	28-Sep-93	00-XXX-00			380	000	
A10	38	99058372		VIS C M3X10/10 U INOX.A4 PASS.	TH-CSF BCN	1	U	28-Sep-93	00-XXX-00			380	000	
A46	40	39965531AA		DOIGT DE VERROUILLAGE	TBS	1	U	22-Jul-98	00-XXX-00	H	A	380	000	
A47	41	99012771		RDEL M4U A4-50 PASSIVE	AFNOR	1	U	22-Jul-98	00-XXX-00	H	A	380	000	
A48	42	99014197		ECRU 4PA10CC	SIMMONDS	1	U	22-Jul-98	00-XXX-00	H	A	380	000	
A49	43	91389501		GOUP GO.7 1,5X8 INOX Z6CND18-12	LGC	1	U	22-Jul-98	00-XXX-00	H	A	380	000	
A14	45	39965530		DOIGT DE CENTRAGE AVANT	TB	4	U	28-Sep-93	00-XXX-00			380	000	
A38	46	T6000041		VIS F/90HC M4X10 INOX A2-70 NOIR SPE 39960411	SDS	4	U	02-Jun-94	00-XXX-00	B	A	480	000	
A16	50	39965528		BRAS DE DEVERROUILLAGE	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A17	55	39965525		POIGNEE FIXE	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A39	56	T6000007		VIS F/90HC M4X12 INOX A2-70 NOIR SP39960411	SDS	1	U	02-Jun-94	00-XXX-00	G	M	480	000	
A19	60	39965524		CURSEUR	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A20	61	99051638		RDEL 520301-80	NOMEL	2	U	28-Sep-93	00-XXX-00			380	000	
A21	62	99060924		VIS C M3X8/8 U INOX.A4 PASS.	TH-CSF BCN	2	U	28-Sep-93	00-XXX-00			380	000	
A33	63	91225510		GOUP ELAST.EPAIS.2.5X12 ACIER	MECANINDUS	1	U	28-Sep-93	00-XXX-00			380	000	
A22	65	39965529		PION	TB	2	U	28-Sep-93	00-XXX-00			380	000	
A23	70	39965532		BARRE DE LIAISON AV-AR	TB	2	U	28-Sep-93	00-XXX-00			380	000	
A24	71	99051638		RDEL 520301-80	NOMEL	4	U	28-Sep-93	00-XXX-00			380	000	
A25	72	99060924		VIS C M3X8/8 U INOX.A4 PASS.	TH-CSF BCN	4	U	28-Sep-93	00-XXX-00			380	000	
A26	75	39963223		ECRU ECROU	TVE	2	U	28-Sep-93	00-XXX-00			380	000	
A27	80	39965534		CACHE INFERIEURE	TB	2	U	28-Sep-93	00-XXX-00			380	000	
A30	95	99051638		RDEL 520301-80	NOMEL	6	U	28-Sep-93	00-XXX-00			380	000	
A31	96	99060924		VIS C M3X8/8 U INOX.A4 PASS.	TH-CSF BCN	6	U	28-Sep-93	00-XXX-00			380	000	
A32	100	39965533		CACHE SUPERIEURE	TB	1	U	28-Sep-93	00-XXX-00			380	000	
A37	101	T6000205		VIS F/90+ PHILIPS M3X10 NOIR SPE47018469-022 INOX	BOSSARD	2	U	02-Jun-94	00-XXX-00	B	A	048	000	
A35	105	T1002805		RSOR C.053.060.0250.A	VANEL	2	U	09-Nov-93	00-XXX-00			380	000	
A43	110	T9003214		RSOR C-D:8-FIL:1-L:70(MM) ACIER COMPRES.STANDARD	TB-BDC	2	U	16-Apr-96	00-XXX-00	F	A	380	000	
A36	110	T1002806		RSOR C.080.100.0800.A	VANEL	2	U	09-Nov-93	00-XXX-00	F	S	380	000	

FIN DE L'ETAT