

© 2000
THOMSON
broadcast systems
All rights reserved.

PAGE BLANCHE

BLANK PAGE

SOMMAIRE / CONTENTS

CHAPTER 1

OCP 42	3
---------------------	----------

CHAPTER 2

OCP 50	5
---------------------	----------

Chapter 1

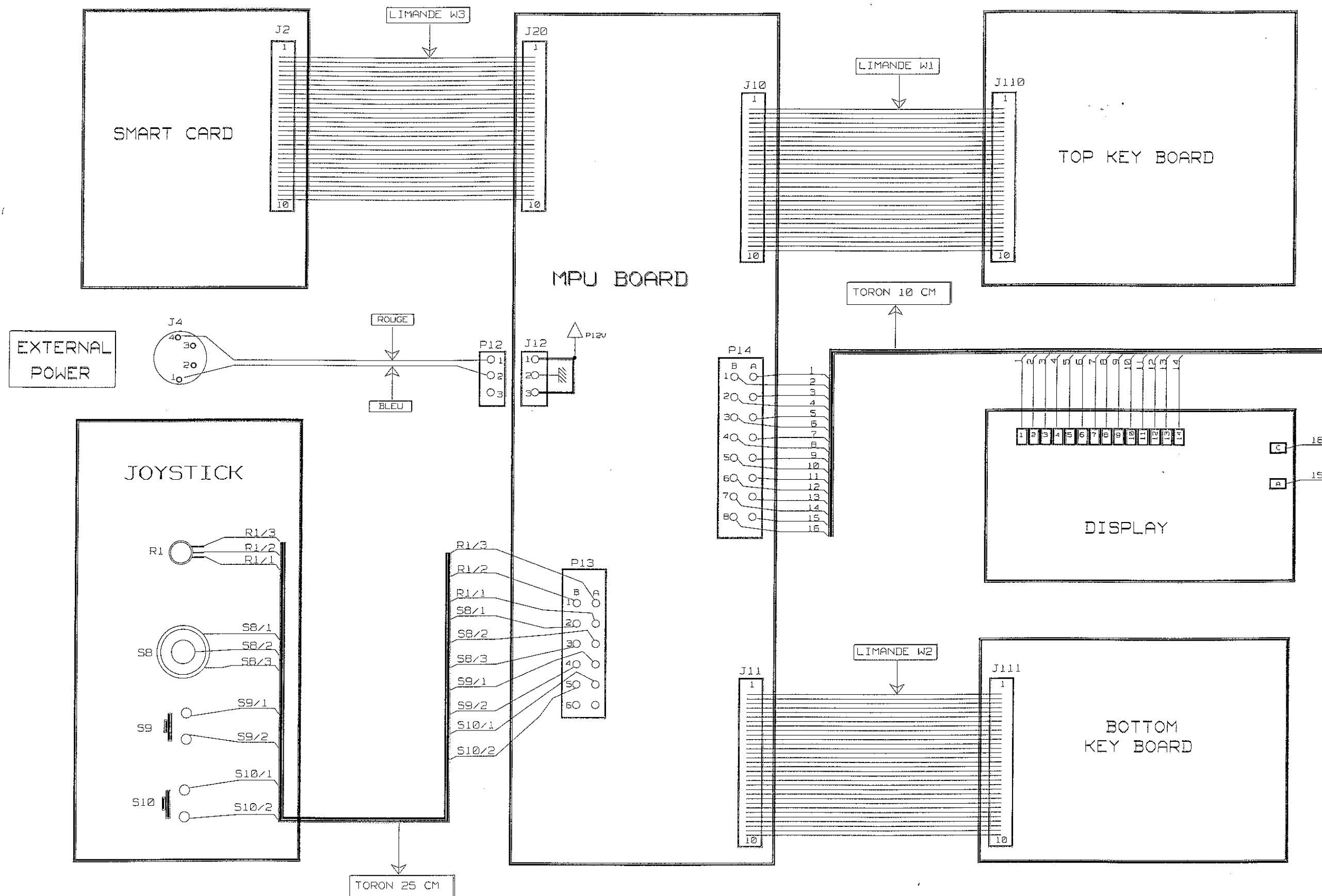
OCP 42

OCP42			B1500526AA
	Schema	Layout	Part list
BLOCK DIAGRAM	BD0 1/1		
INTERCONNECTION	46153997AA/B-050		46153997AA
ASSEMBLED OCP42	46153997AA/D-040		46153997AA
OCP 42 JOYSTICK	46153835AA/D-040		46153835AA
CABLED JOYSTICK	46153899AA/C-040		46153899AA
TOP KEY BOARD	4A150344/A-030	4A150344/A-046	4A150344
BOTTOM KEY BOARD	4B150345/A-030	4B150345/A-046	4B150345AB
MPU BOARD	4C150343/F-030	4C150343/A-046	4C150343AB
SMARTCARD	46150624AB/A-030	46150624AB/A-046	46150624AB

SITE: ZREF

Niv.	Composant	Rév	P/M	T	Fa	Description	Description	Qté	lien	UM
Compos	B1500526AA	02	M			CACC OCP 42	for 1657(D)/ 1557D/ 1707			EA
1	46153997AA	05	M	X		**** CHASSIS CABLE OCP42		1,0		EA
.2	1B518718AE	01	M			CARP PANEL PUPITRE OCP	PUPITRE OCP 40	1,0		EA
.3	4A150344	2	M	X	oui	CART TOP KEY BOARD		1,0		EA
.3	4B150345AB	1	M	X	oui	CART BOTTOM KEY BOARD		1,0		EA
.3	4C150343AB	02	M	X	oui	CART MPU BOARD OCP40/50		1,0		EA
.2	46150624AB	01	M			CART SMARTCARD		1,0		EA
.2	46153899AA	2	M	X	oui	JOYS COMMANDE CABLE		1,0		EA
.3	46153835AA	2	M			----- MONOCOMANDE	ASSEMBLE OCP42	1,0		EA
.3	46153898AA	2	M	X	oui	KIT. DE CABLAGE MON	OCP4 OCP 42	1,0		EA
.2	46153998AA	03	M	X		KIT. KIT MECA OCP 42		1,0		EA
.2	47017050		M	X	oui	PROG Z 200		1,0		EA
.2	47033512AA	1	M		oui	ETIM PRODUIT STANDARD		1,0		EA
.2	47232228AB	02	M		oui	KIT. KIT SMART-CARD		1,0		EA
.2	47232541AC	01	M	X		PROG Z 130		1,0		EA
1	47019048AA	1	M			LCAB ACCESSOIRES ET CABL	OCP 40	1,0		EA
.2	39962451	1	M	X	oui	CABC LIMANDE EQUIPEE	RACCORDLEMENT PUPITRES	1,0		EA
1	AMMOUTIL		M			AMMO CONTRIBUTION OUTILL		2,0		EA
1	CONFIGPV		M			----- CONFIGURATION PRISE	UE	0,75		EA



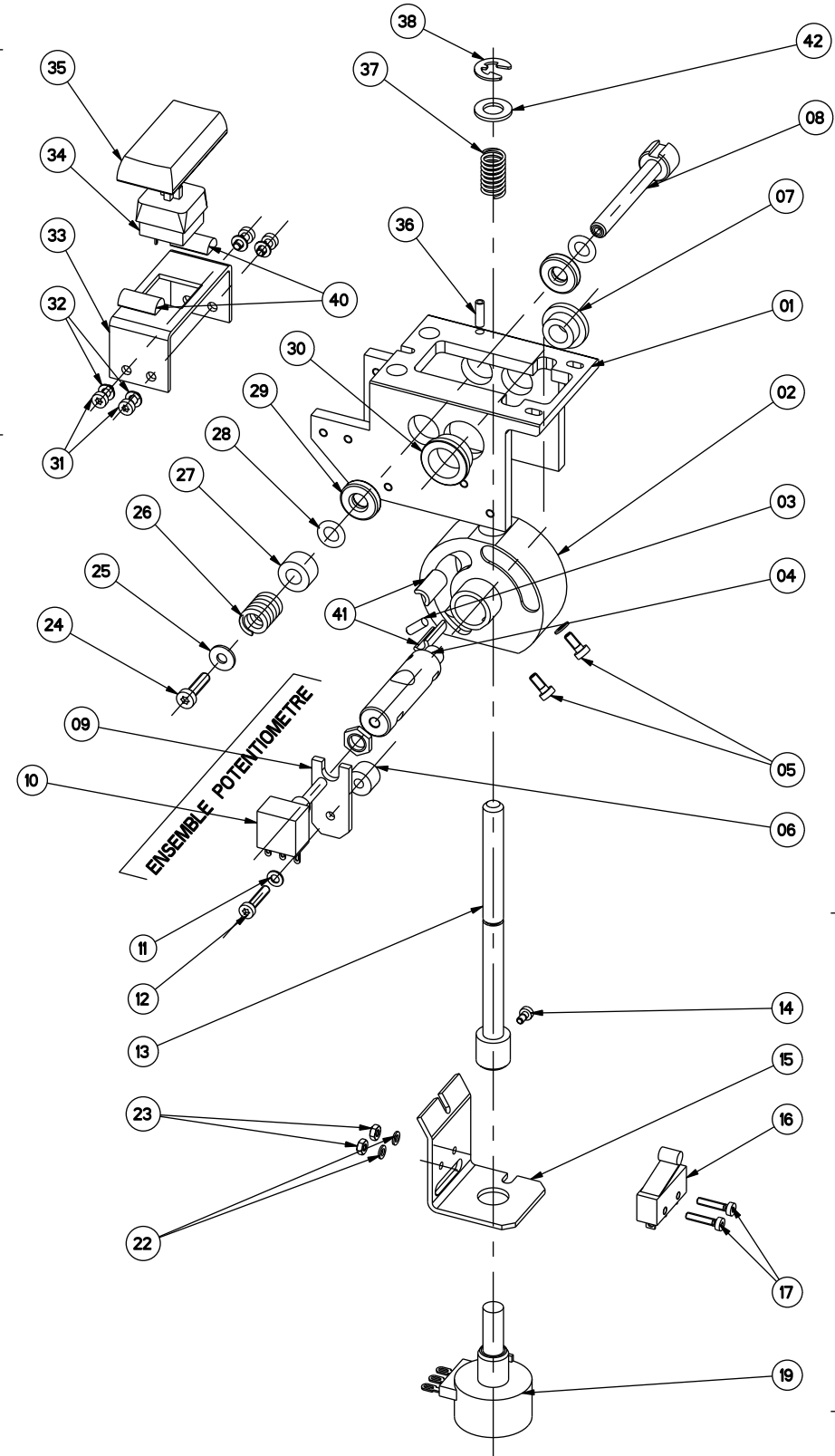


TITLE		OCP42				
		INTERCONNECTION				
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		46153997AA	B	050	3	01/01

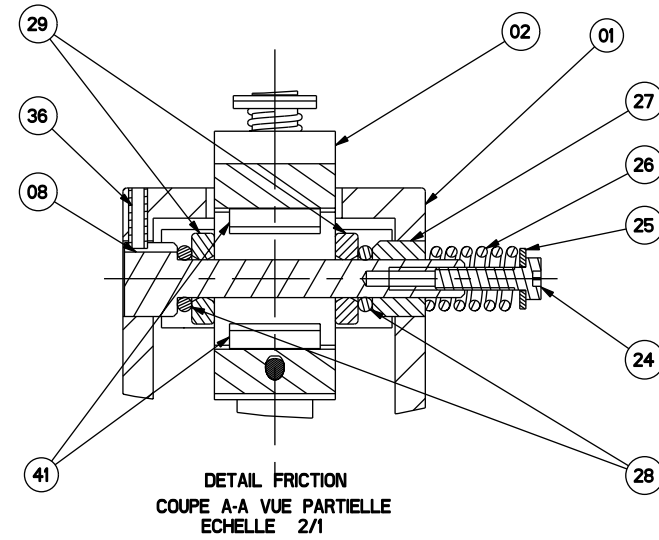


TITLE ASSEMBLED OCP42				OCP42		
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		46153997AA	D	040	1	01/01

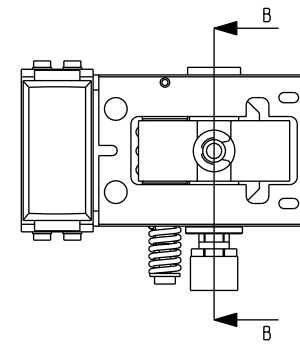
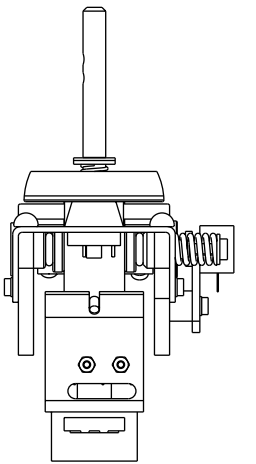
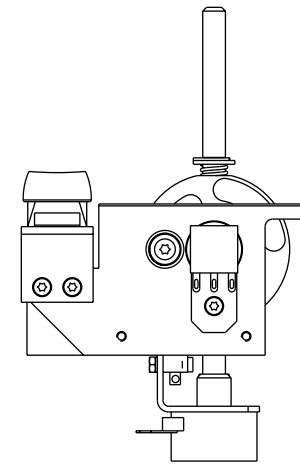
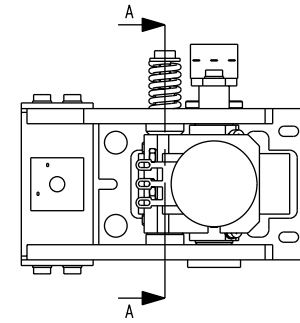
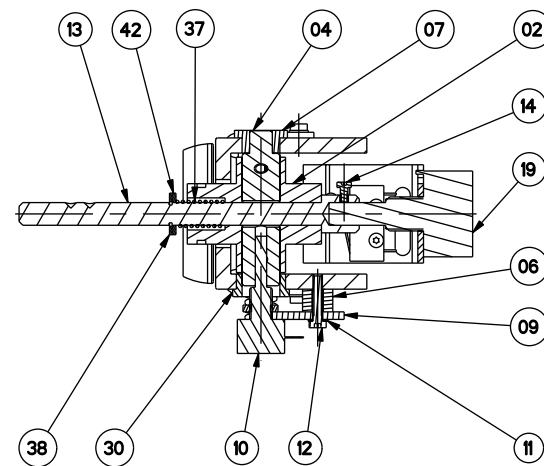
ENSEMBLE PREVIEW



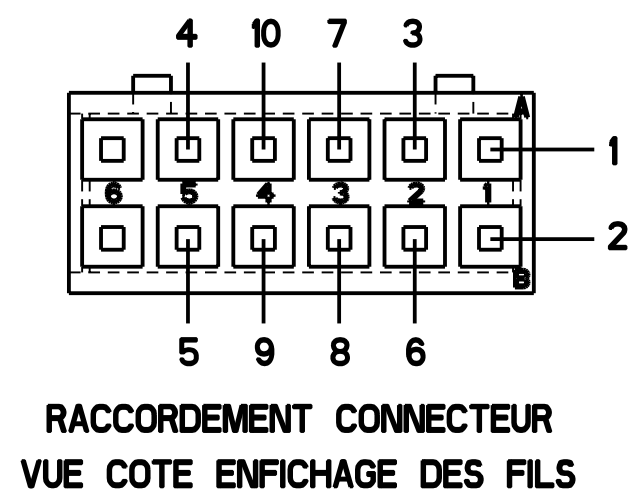
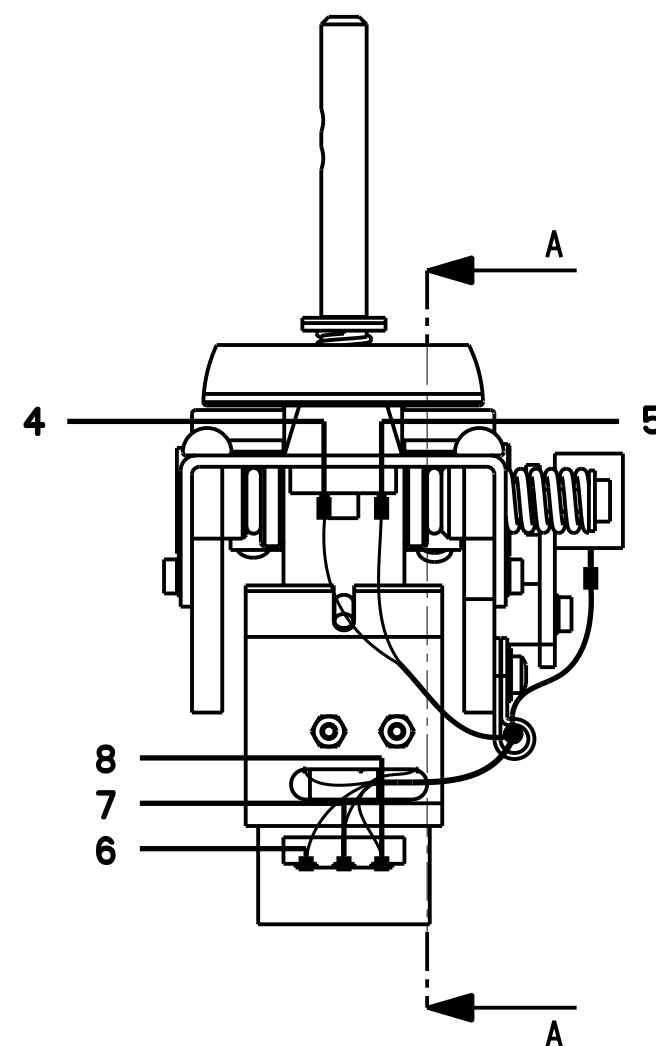
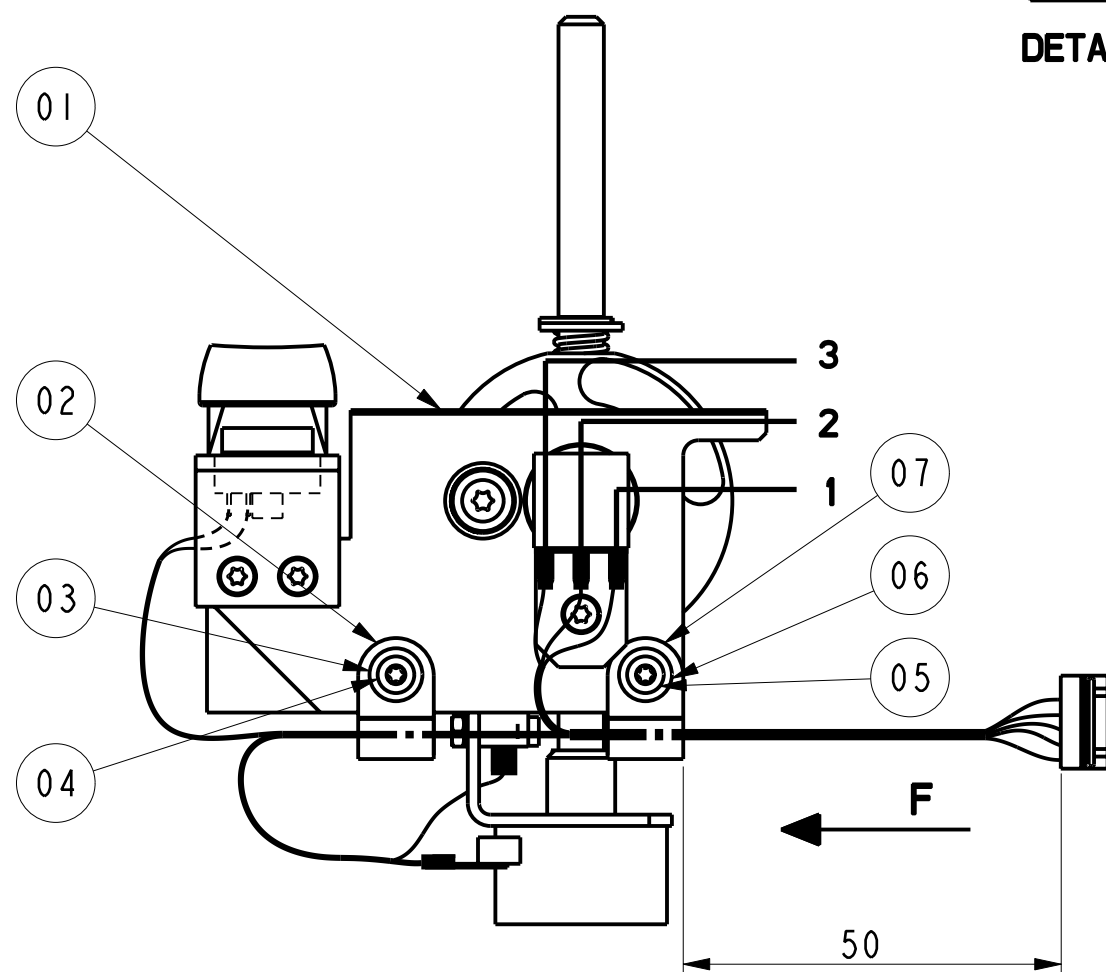
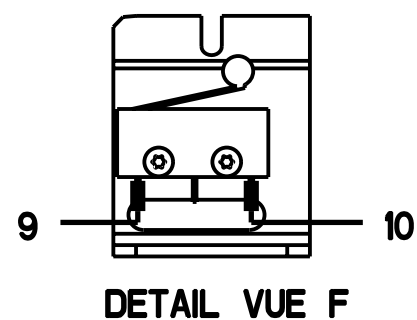
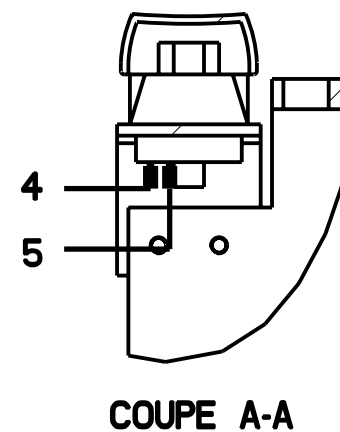
ENSEMBLE DIGPOT



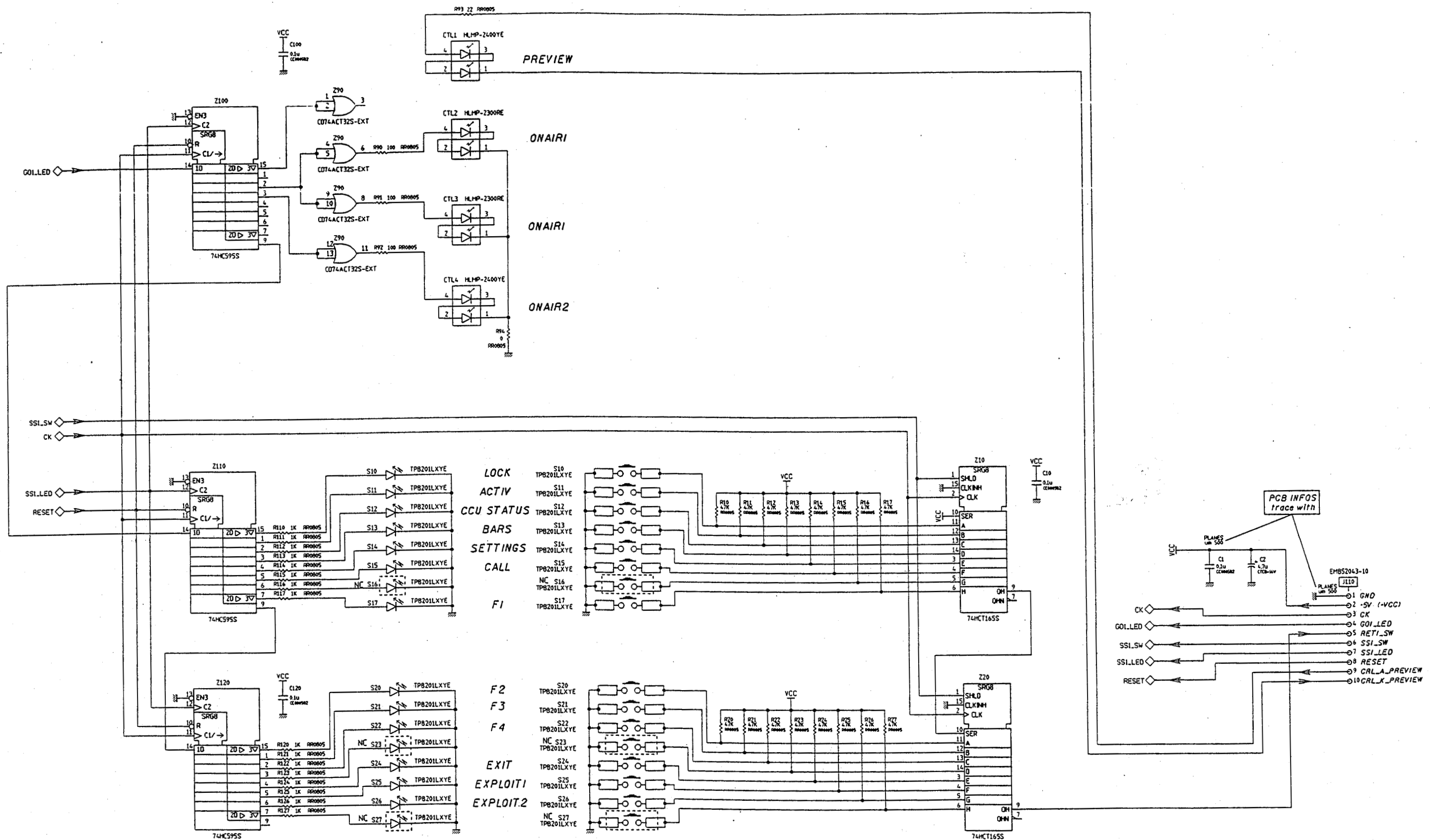
COUPE B-B



TITLE		OCP42				
		JOYSTICK				
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		46153835AA	D	040	1	01/01

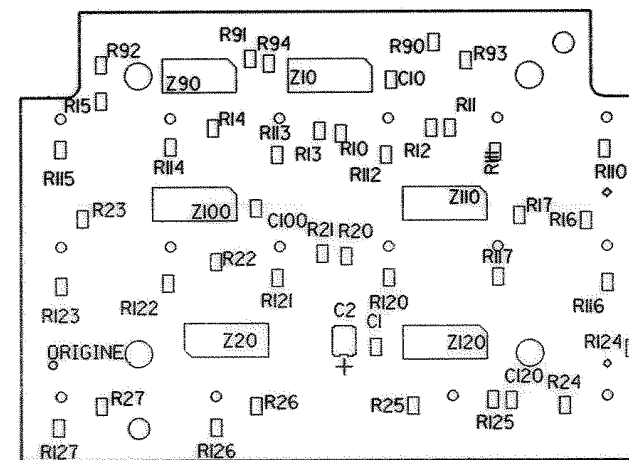


TITLE				OCP42		
				CABLED JOYSTICK		
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		46153899AA	C	040	3	01/01



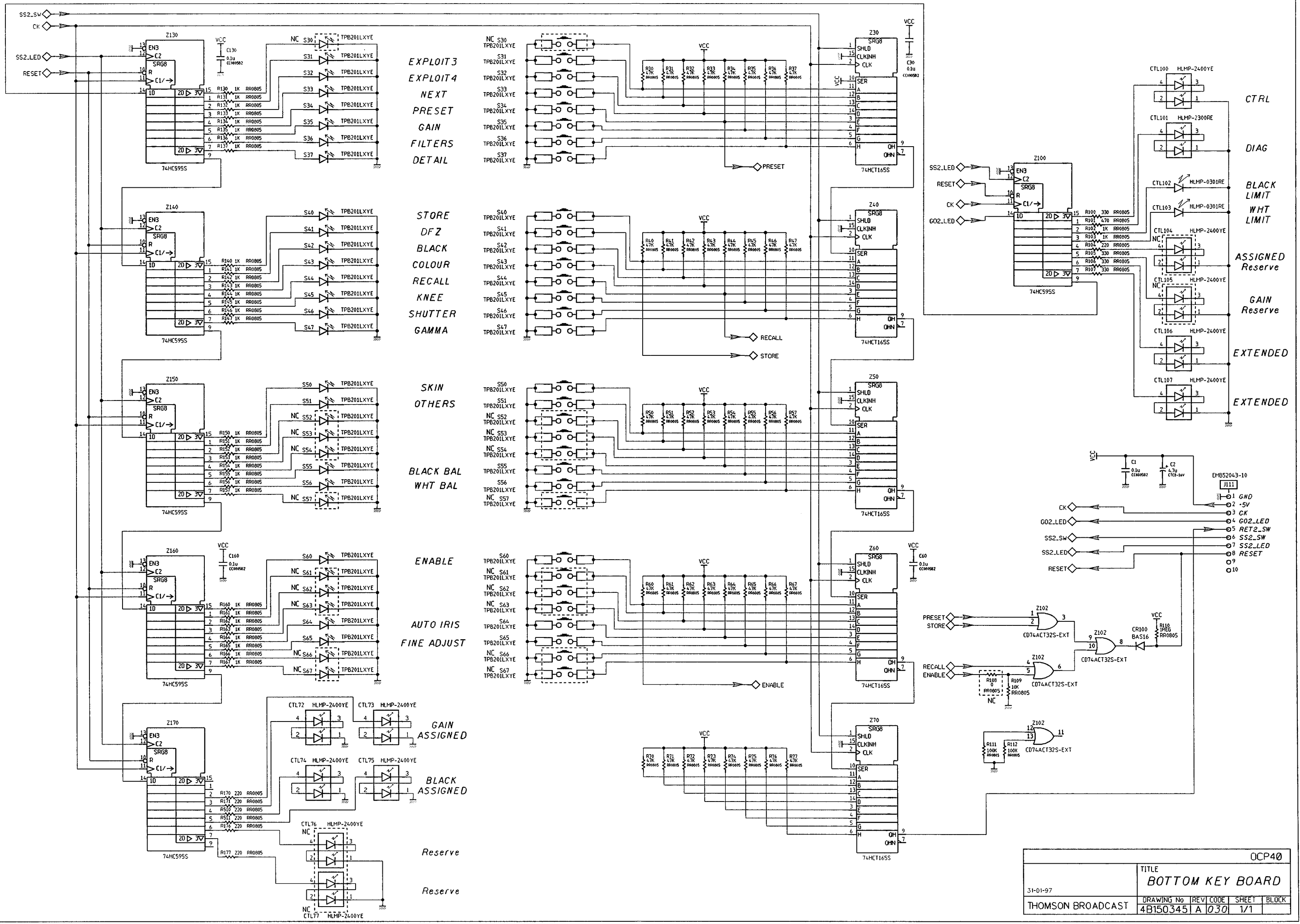
SAPHIR

OCP40			
TITLE			
TOP KEY BOARD			
THOMSON BROADCAST	DRAWING No	REV	CODE SHEET BLOCK
	4A150344	A	01-01

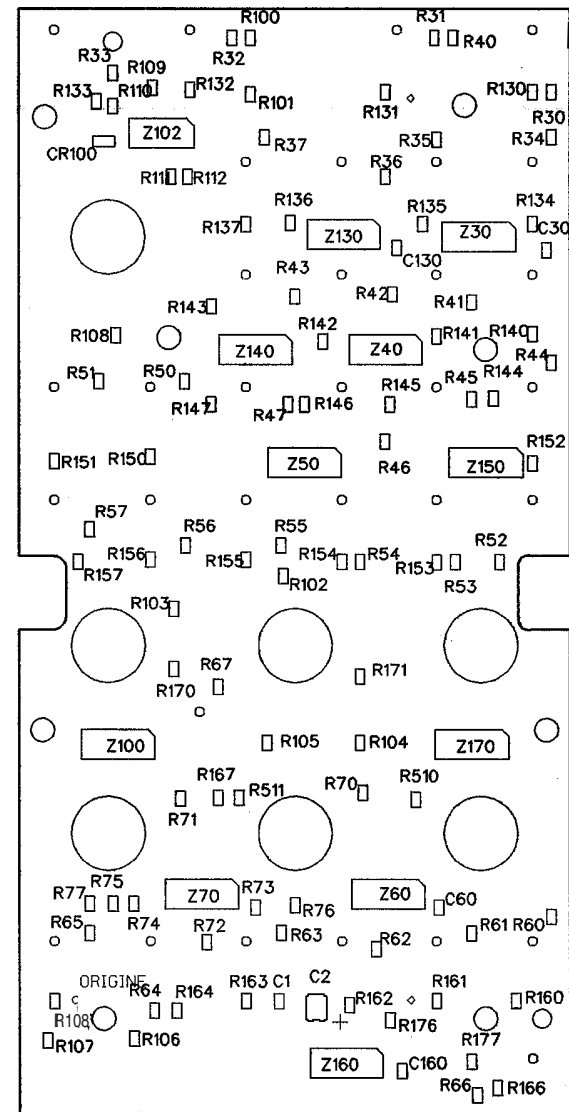
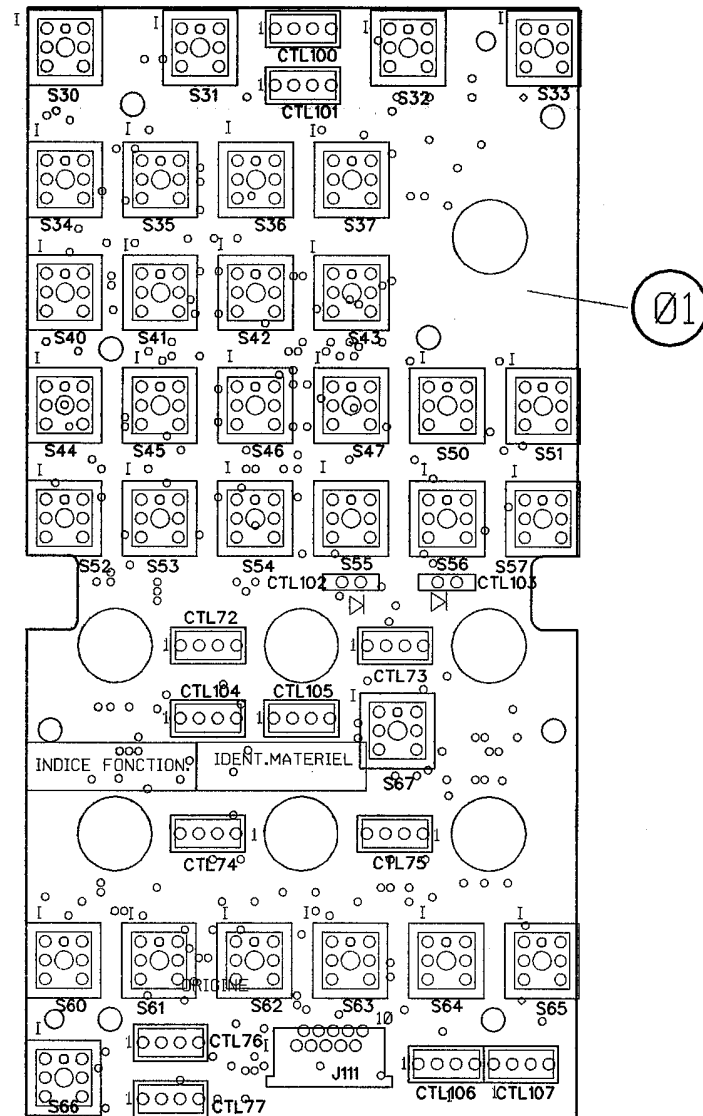


TITLE TOP KEY BOARD				OCP42/OCP50		
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		4A150344	A	046	4	01/01

ALL RIGHTS RESERVED.
Contents of this document may not be reproduced in any form
without the prior written permission of THOMSON BROADCAST.

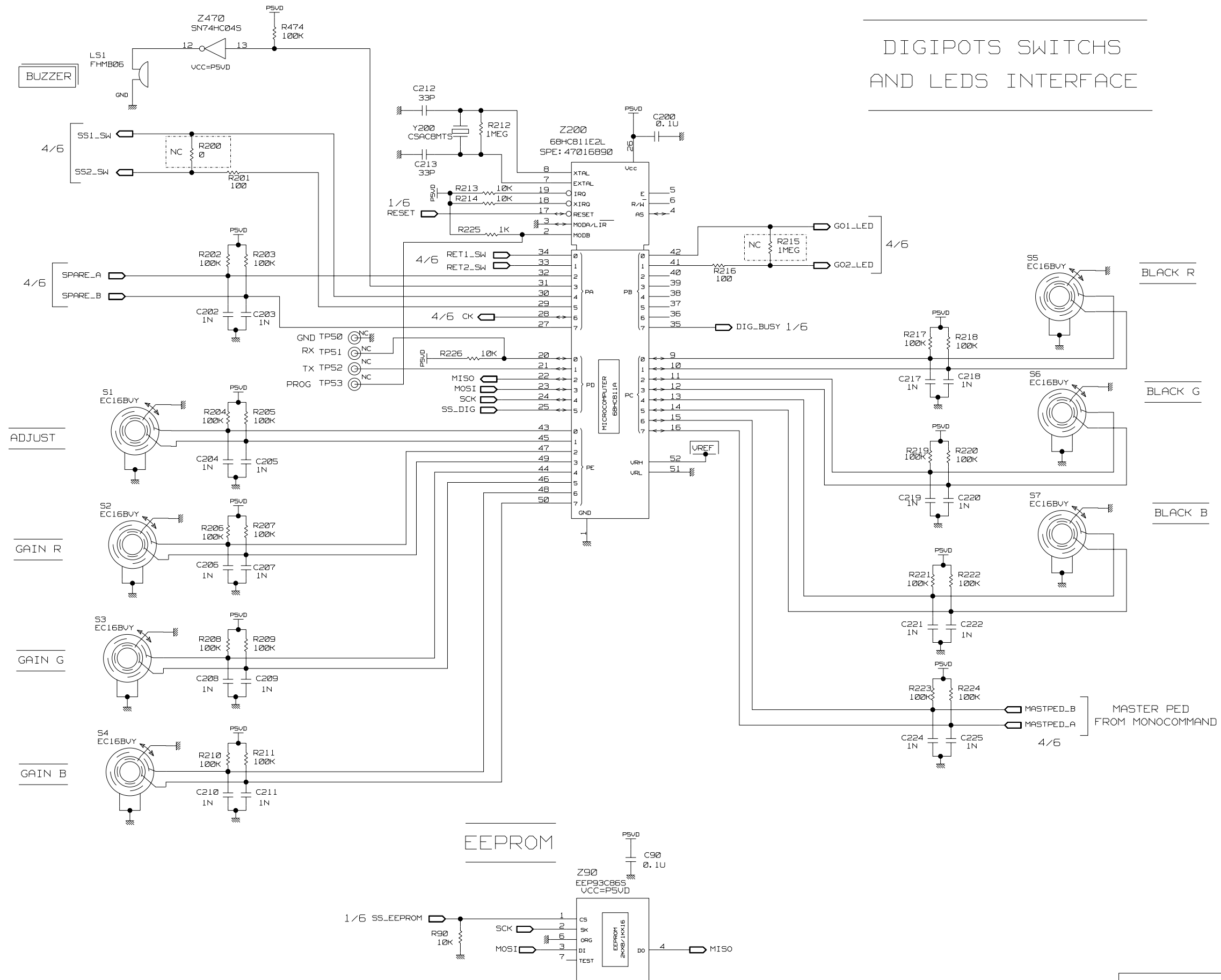


31-01-97		THOMSON BROADCAST		TITLE		OCP40	
				BOTTOM KEY BOARD			
				DRAWING No		REV CODE	
				48150345		A 030	
				SHEET		BLOCK	
				1/1			



TITLE					OCP42/OCP50	
BOTTOM KEY BOARD						
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		4B150345	A	046	3	01/01

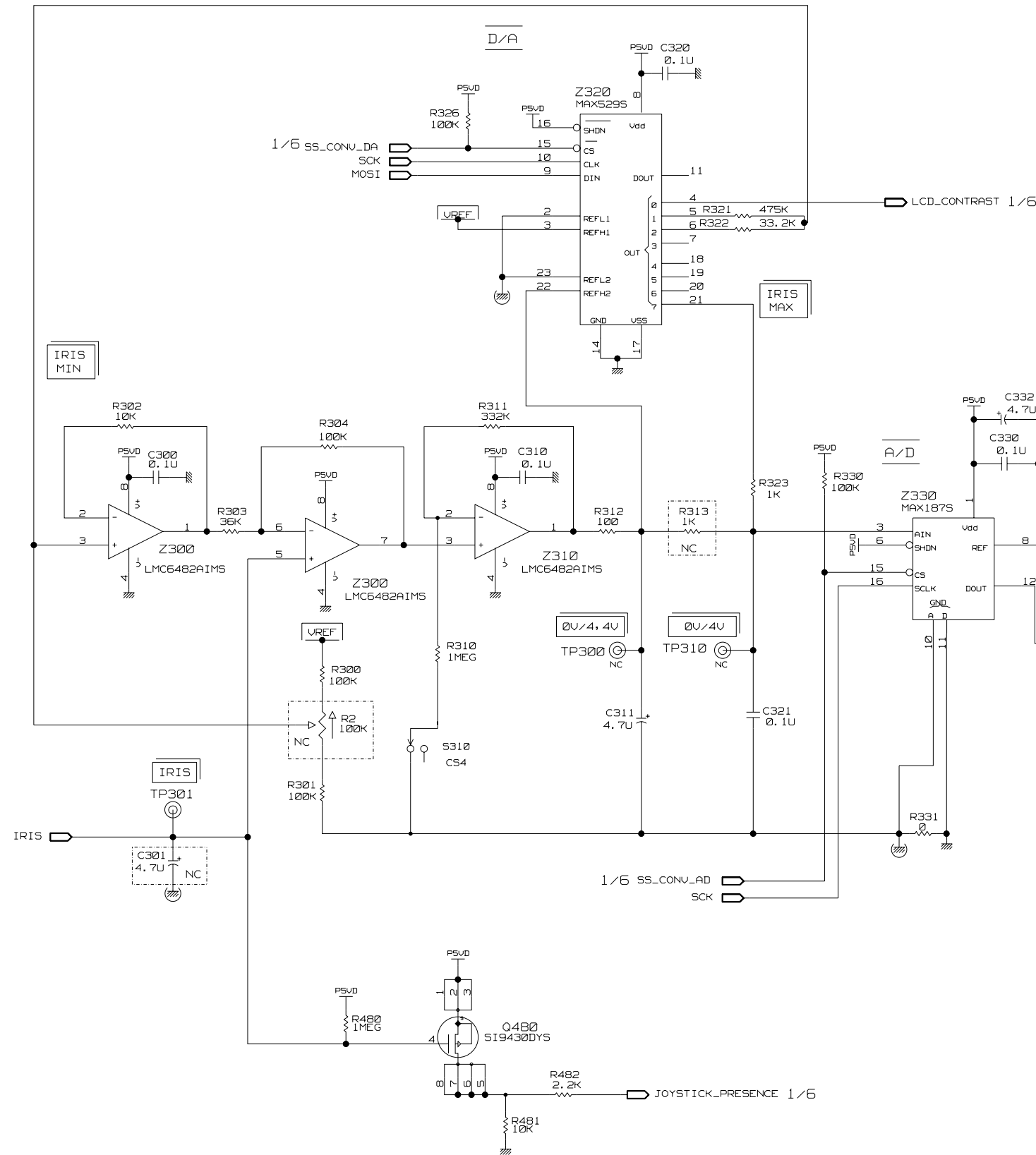




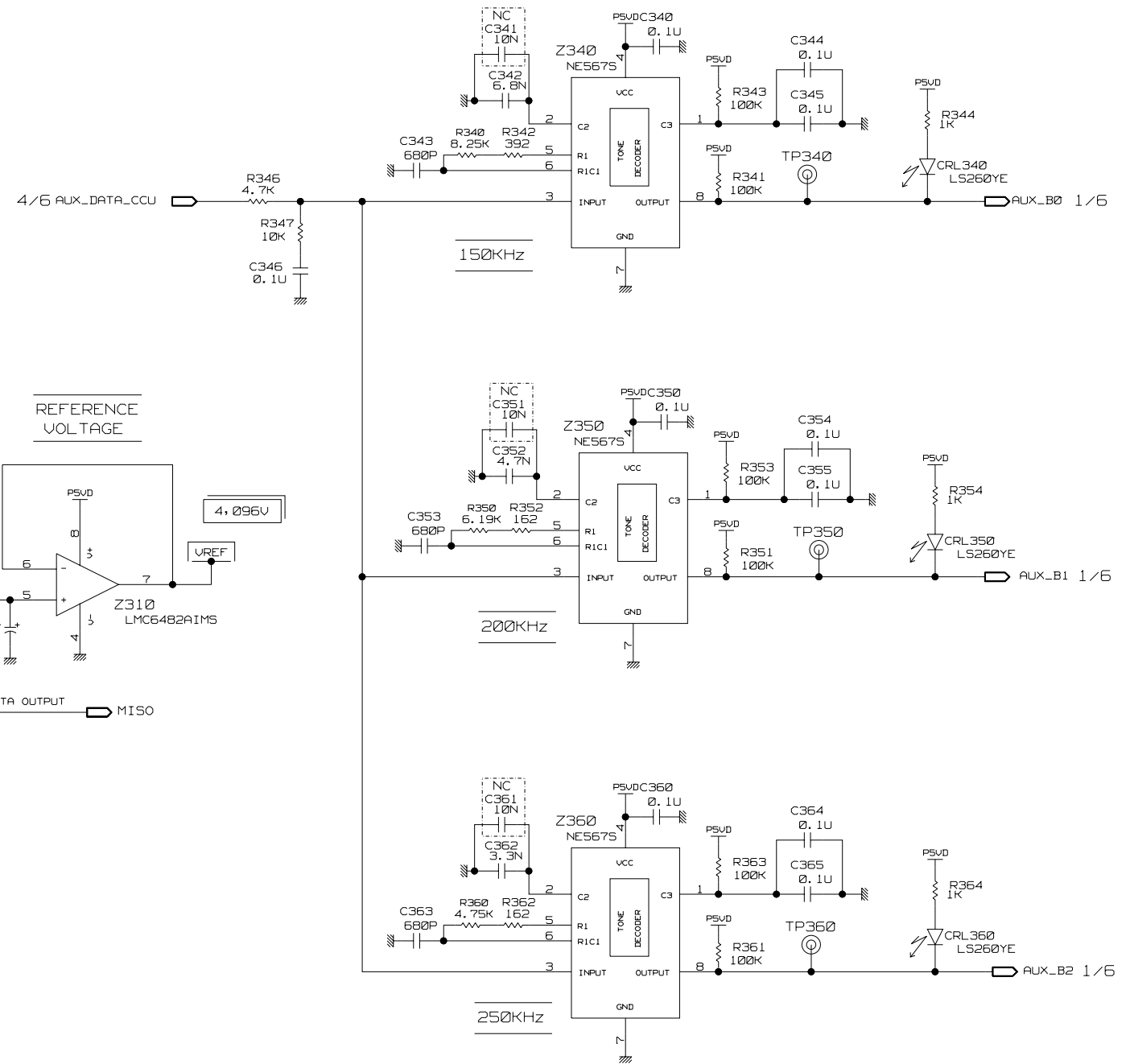
DIGIPOTS SWITCHS AND LEDS INTERFACE

OCP50					
		TITLE			
		MPU BOARD			
24-6-98		DRAWING No	REV	CODE	SHEET
THOMSON BROADCAST		4C150343	A	030	2/6

IRIS LEVEL A/D CONVERTER



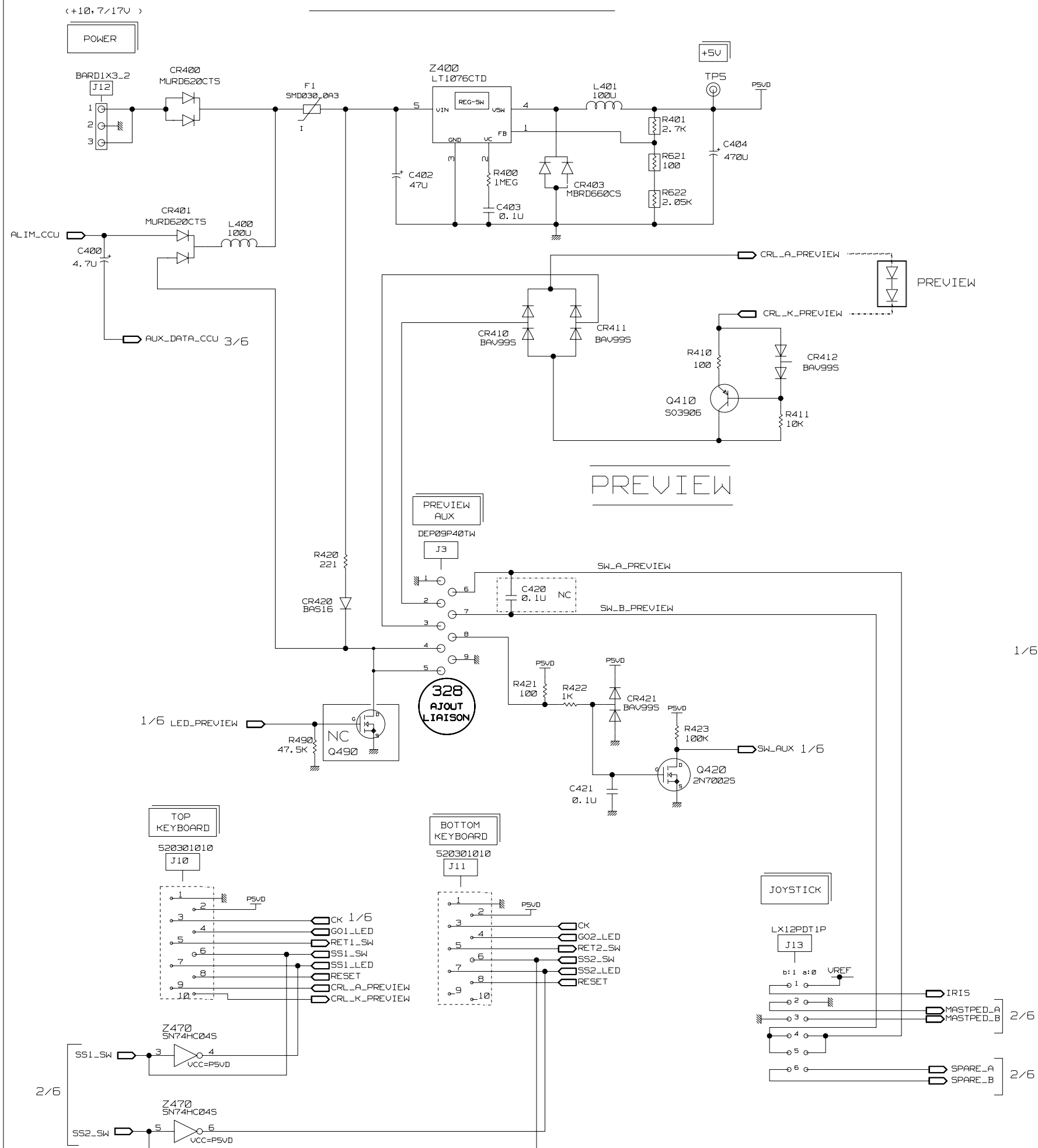
TONE DECODER



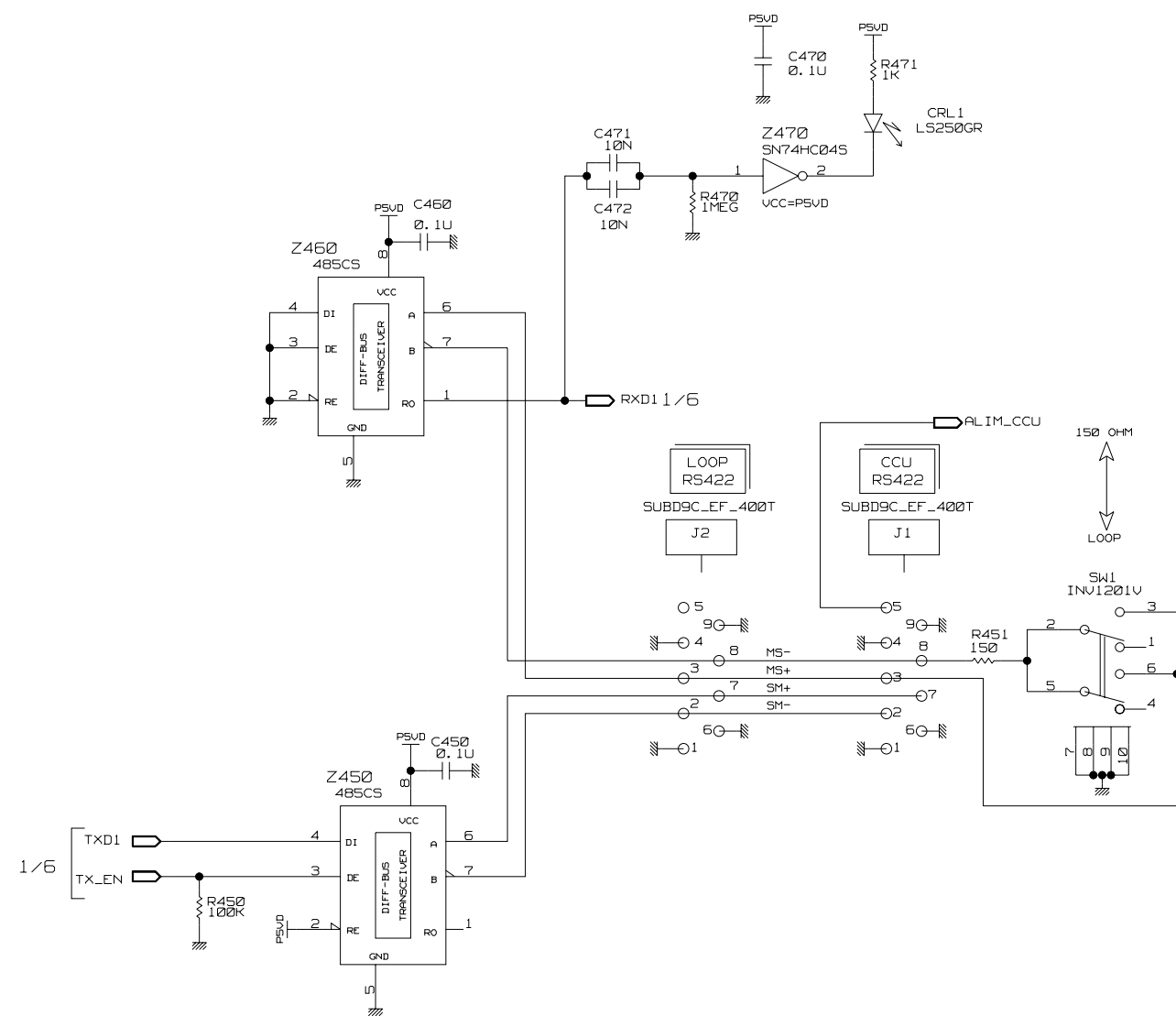
MASSE ANALOGIQUE

OCP50					
		TITLE			
		MPU BOARD			
1-1-1		DRAWING No	REV	CODE	SHEET
THOMSON BROADCAST		4C150343	F	030	3/6

DC/DC CONVERTER

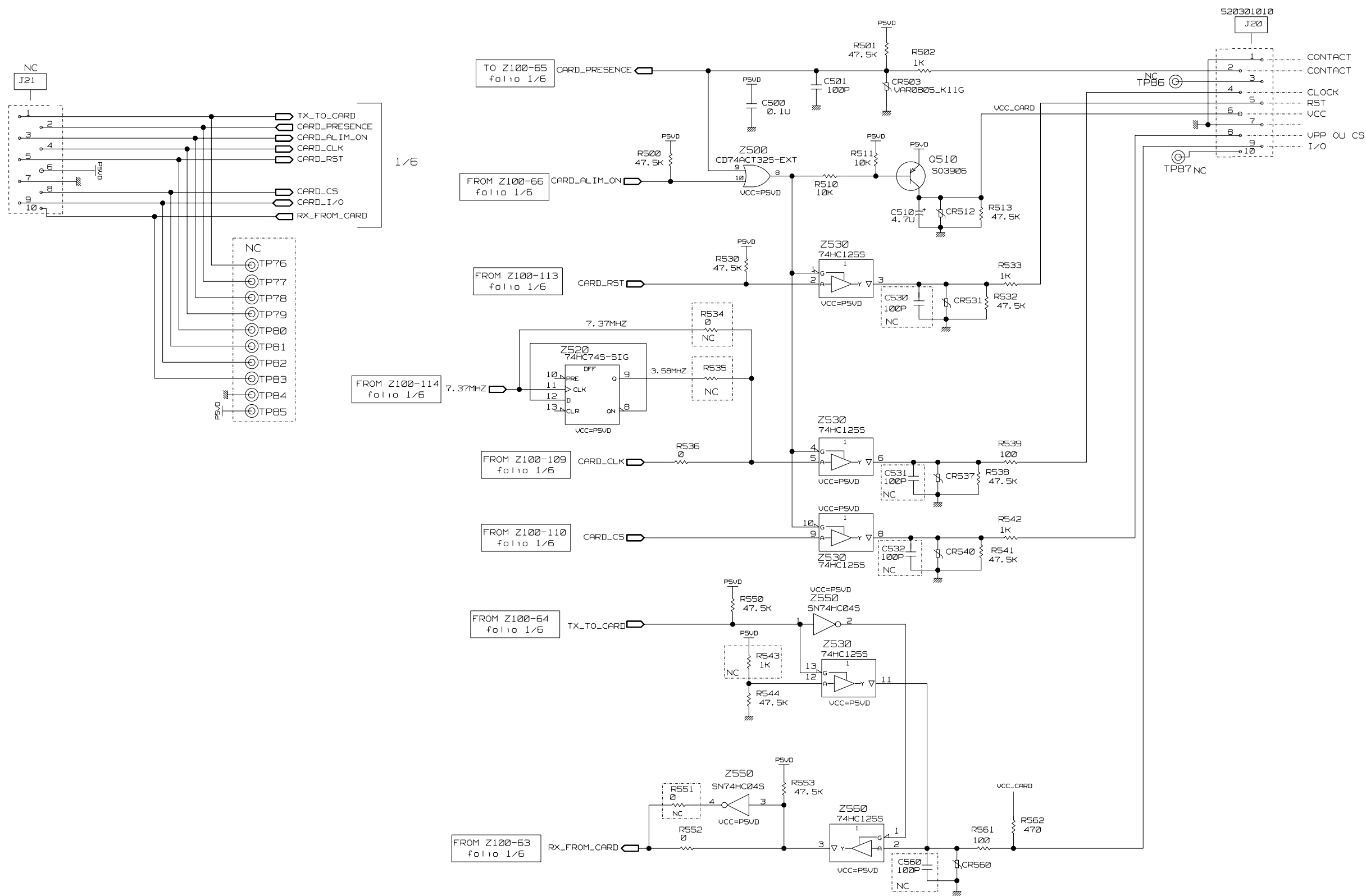


SERIAL LINK



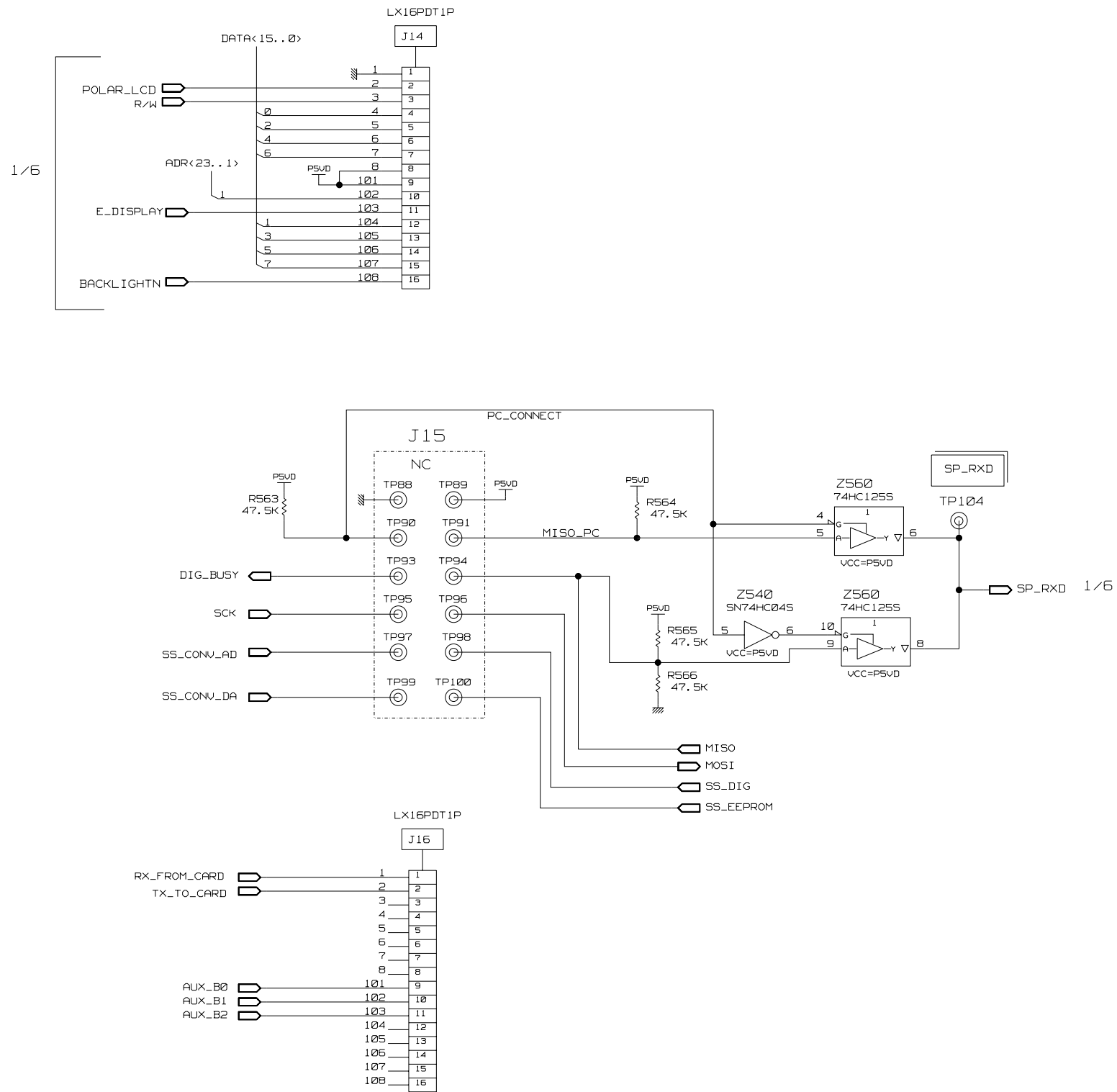
					OCPS0	
1-1-1			TITLE			
			MPU BOARD			
THOMSON BROADCAST			DRAWING No	REV	CODE	SHEET
			4C150343	C	030	4/6
			BLOCK			

INTERFACE SMART CARD

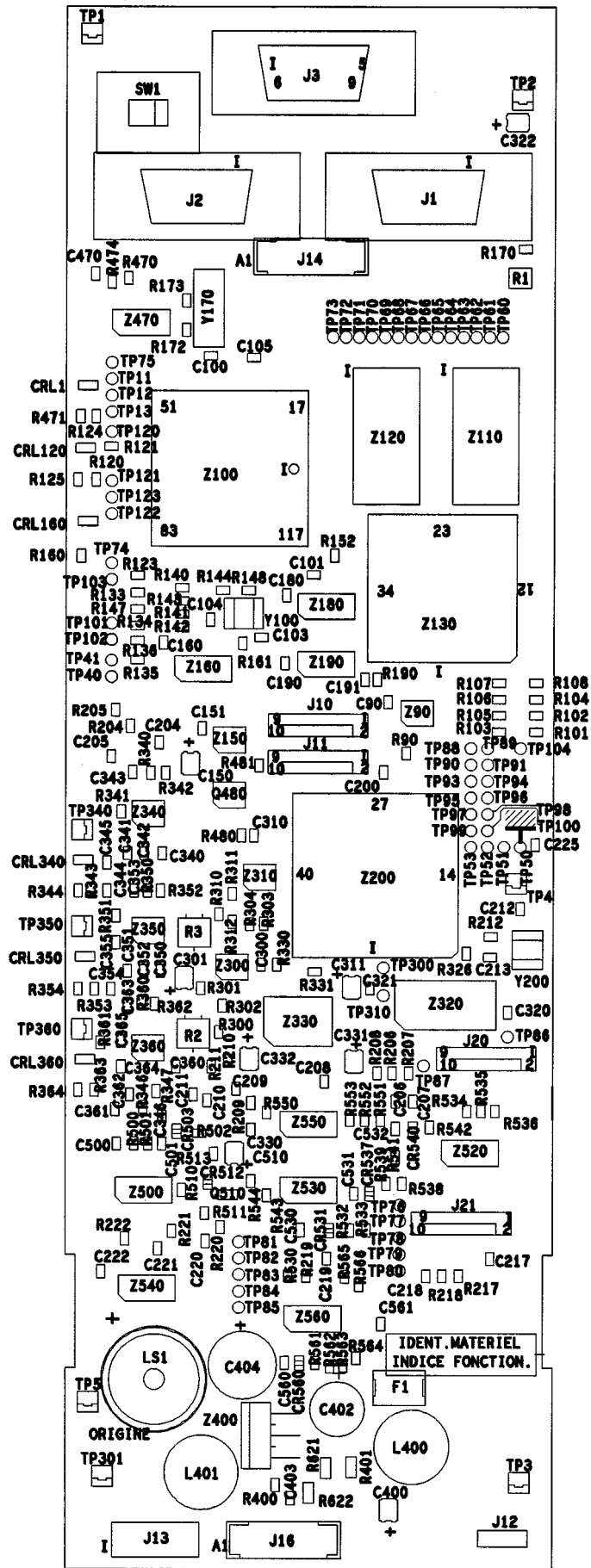


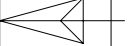
OCP50					
TITLE		MPU BOARD			
1-1-1	DRAWING No	REV	CODE	SHEET	BLOCK
THOMSON BROADCAST	4C150343	F	030	5/6	

TEST I/O



OCP50					
		TITLE			
		MPU BOARD			
1-1-1	DRAWING No	REV	CODE	SHEET	BLOCK
THOMSON BROADCAST	4C150343	A	030	6/6	





8

7

6

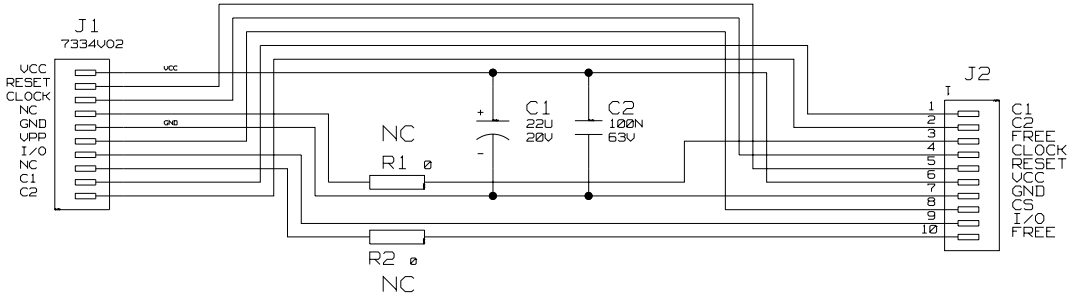
5

4

3

2

1



TITLE					OCP50	
SMARTCARD						
THOMSON BROADCAST SYSTEMS	DRAWING No	REV	CODE	SIZE	SHEET	
	46150624AB	A	030	3	01 / 01	

M

L

K

J

I

H

G

F

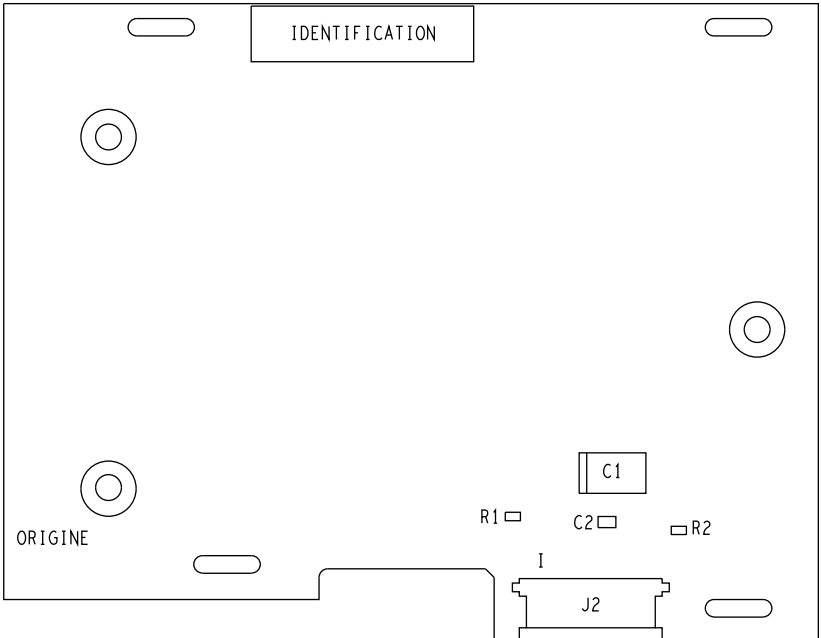
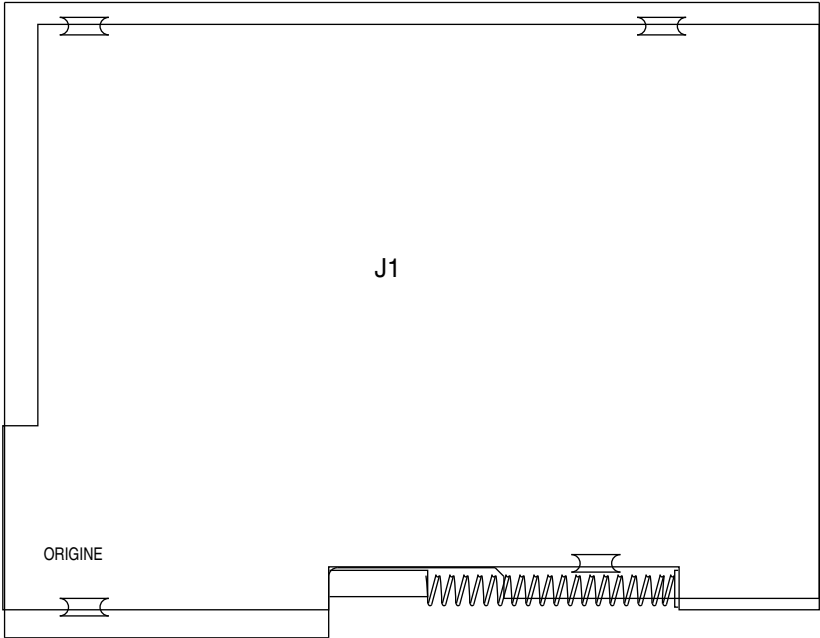
E

D

C

B

A



TITLE				OCP42/OCP50		
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		46150624AB	A	046	4	01/01

ARTICLE: 46153997aa

**** CHASSIS CABLE OCP42

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
50	---- ENTRETOISE	REPRISE	46152143
15	---- FILTRE LCD		46152146
165	---- VIS IMPERDABLE		46152147
205	---- EQUERRE DE FIXATION		46152311
40	---- CAPOT		46152312
	---- AXE DE POSITIONNEME		47232220aa
	FIL FIL NF93523 AWG26	250V NOIR KZ04-04B	99070686
Accessoires cablages			
2	COLL COLLIER ATTACHE	CABLE NYLON D:3,2MM	99008504
Cables-cordons			
FIL 01	FIL FIL NF93523 AWG24	600V NOIR KZ05-05B	99024576
FIL 02	FIL FIL NF93523 AWG24	600V ROUGE KZ05-05D	99029879
W 3	CAPL FFC 1.00 D10 180 L3	-07	T1002592
W 1	CAPL CABLE PLAT EQUIPE	FFC 1.00 A10 200 L3-3-07	T1005501
	FIL FIL UL1371 AWG26	250V BLANC	T9006099
Cartes équipées			
	CARP PANEL PUPITRE OCP	PUPITRE OCP 40	1B518718AE
	CART SMARTCARD		46150624AB
Circuits intégrés mémoires CMS			
Z 200	MPMS CIRC PROC CMSPLCC52	MC68HC811E2FN	T1005225
Z 130	EPMS MEM EPRO CMS PLCC44	256KX16 120NS	T9001714
Connecteur			
P 12	CNSC FICHE F DRT FIL	RECT 1X3 NU PAS2.54	91397837
P 12 A	CNCT 47565-001 (ACHAT PA	00)	T1000298
J 04	CNEC EMBASE M DRT FIL	XLR 04 SOUD J16	T1000305
P 13	CNSC FICHE F DRT FIL	RECT 2X6 PAS2MM SERIE LY	T9005682
P 135	CNCT CONTACT F SERT	AU/SN J26-30 D:0.7-1.2	T9005716
Divers mécaniques			
22	---- enjoliveur	ocp smart cart	46153297AB
3	---- enjoliveur OCP 42		46153829AA
1	---- MONOCOMANDE	ASSEMBLE OCP42	46153835AA
2	---- PLATINE OCP 42	EQUIPEE	46153996AA
1	---- CHASSIS OCP		47232221AB
27	---- EQUERRE SMARTCARD		47268211AB
28	---- EQUERRE SUPPORT		47268212AB
BT 01	BTON BOUTON	301 03 62 ROUGE	91613746
BT 02	BTON BOUTON	301 03 65 VERT	91613747
BT 04	BTON BOUTON	301 03 66 BLEU	91613749
23	JOIN JOINT MOUSSE 140/65	EPR:3 LARG:5 DURASEAL	T1001398
BT 03	BTON BOUTON	CAPSULE GRISE	T1005967
Etiquettes			
eti 02	ETIM CE 10x10		47018990
	ETIQ ETIQUETTE POLYESTER	40X15MM (CF:39962994/E)	T1003312
Visserie-Ecrous-Rondelles-Rivets			
3	RDEL RONDELLE	520251-80	91280718
VIS 07	RDEL RONDELLE M4U A4-50	PASSIVE	99012771
VIS 10	ECRU ECRU NU503-2-A	A PINCE-ACIER	99051303
70	RDEL RONDELLE 520301-80		99051638
VIS 13	VIS VIS INOX A2.70 PASS	F/90+ PHILIPS M3X8	99052425
VIS 02	RDEL RONDELLE M2,5U	A4-50 PASSIVE	99052511
VIS 24	ECRU ECRU H M2,5 U INOX	A4 PASSIVE	99059911
VIS 04	ECRU ECRU H M3 U INOX	A4 PASSIVE	99059912
VIS 11	ECRU ECRU H M4 U INOX	A4 PASSIVE	99059913
VIS 09	VIS VIS INOX.A4 PASS. C	M2.5X6/6 U	99060919
4			
VIS 03	VIS VIS INOX.A4 PASS. C	M3X6/6 U	99060923
VIS 26	VIS VIS INOX.A4 PASS. C	M4X12/12 U	99060930
60	ENTT ENTRETOISE F/F	L10 TAR:M2.5 LAITON	T1000547
VIS 01	VIS VIS INOX A2.70 NOIR	CHC M2.5X6 SP39960411	T6000080
VIS 12	VIS VIS AUTO.T ACIER-Z	PLASTIQUE TCB+Z M2.5X6	T9004817
VIS 21			
VIS 8	RDEL RONDELLE M4/8MM	EVENT.INOX-A2 DENTS-EXT	T9004859
VIS 25	VIS VIS INOXA2	FX90 M3X6	T9005891

ARTICLE: 46153835aa

----- MONOCOMMANDE
ASSEMBLE OCP42

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
10	----- BOUTON DE COMMANDE		46152103
5	----- POIGNEE ROTATIVE		46152104
01	----- ETRIER		46153821AA
02	----- ROND D'ENTRAINEMENT		46153822AA
13	----- AXE DE COMMANDE		46153823AA
08	----- AXE DE FRICTION		46153824AA
27	----- BAGUE D'APPUI		46153825AA
29	----- RONDELLE DE FRICTION		46153826AA
06	----- ENTRETOISE		46153827AA
09	----- APPUI POTENTIOMETRE		46153828AA
15	----- EQUERRE DIGIPOT		46153830AA
33	----- EQUERRE PREVIEW		46153831AA
04	----- AXE DE ROTATION		46153832AA
35	CABO CABOCHON	2P-0739-N3	t1005500
Commutateurs			
19	CODR CODEUR ROTATIF		91598936
34	COMP COMMUT. A POUSSOIR	MX1A-11NW	L0000565
16	MRUP MICRORUPT A MOLETTE	6A 250VAC CI2.4 DRT	T9005848
Divers mécaniques			
30	----- PALIER DE GUIDAGE		47268058aa
41	AMRT MOUSSE		47268206AA
15	ROUL ROULEMENT	WX8ZZ	91472559
30	JTOR JOINT THORIQUE 28X3	11001499 EPDM 70SH.A	T1005348
25	JTOR JOINT THORIQUE 32X3	DIA.INT. MAT:EPDM70SHORE	T1005966
26	RSOR RESSORT ACIER	C.085.140.0125.A	t9005706
37	RSOR RESSORT ACIER	C.080.055.0200.A	t9005707
40	JOIN JOINT TISSU 1/2ROND	3.6 X 6.4 ADHESIF	T9005821
07	BAG. BAGUE A COLLERETTE	D:6 L:6 BRONZE BP25	T9005920
28	JTOR TORIQUE NITRILE NBR	70SHA 5X2	T9006251
Résistances-potentiomètres			
10	POT. POTENT PA11 TYR	10K0 20%	t9005638
Visserie-Ecrous-Rondelles-Rivets			
22	RDEL RONDELLE	520201-80	91280717
11	RDEL RONDELLE	520251-80	91280718
25	RDEL RONDELLE M3U	A4-50 PASSIVE	99012770
23	ECRU ECRU H M2 U INOX	A4 PASSIVE	99059910
17	VIS VIS INOX.A4 PASS. C	M2X10/10 U	99060918
05	VIS VIS INOX.A4 PASS. C	M2.5X6/6 U	99060919
14	VIS VIS INOX.A4 PASS. C	M2X3/3U 60KGD0C.20702007	99071509
12	VIS VIS INOX.A4 PASS. C	M2.5X12/12 U	99077508
36	GOUP GOUPILLE MECAINDUS	2,5X8	lg000008
20	VIS VIS INOX A2.70 S/T	FENTE BT PLAT M2.5X8	T1005721
38	CICL CIRCLIPS TYPE 863	DIAM:6 MM	t9005710
24	VIS VIS INOX CBL	M3X12 DRYLOC PVC	t9005783
03	GOUP AIGUILLE BOUT ROND	TYPE BR D:2.5 L:7.8	T9005919
42	**** RONDELLE PLATTE	SPECIAL NOIR 11X6X1	T9006252

ARTICLE: 46153899aa

JOYS COMMANDE CABLE

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
-----	-----	-----	-----
Accessoires cablages			
2 6	COLL COLIER ATTACHE	CABLE NYLON D:3,2MM	99008504
Cables-cordons			
	FIL FIL UL1371 AWG26	250V BLANC	T9006099
Connecteur			
P 13	CNSC FICHE F DRT FIL	RECT 2X6 PAS2MM SERIE LY	T9005682
135	CNCT CONTACT F SERT	AU/SN J26-30 D:0.7-1.2	T9005716
Divers mécaniques			
1	---- MONOCOMANDE	ASSEMBLE OCP42	46153835AA
Visserie-Ecrous-Rondelles-Rivets			
3 7	RDEL RONDELLE	520251-80	91280718
4 5	VIS VIS INOX.A4 PASS. C	M2.5X6/6 U	99060919

ARTICLE: 4a150344

CART TOP KEY BOARD

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
CTL 2 CTL 3 CTL 1 CTL 4 IM R 93	LBAR DIOD LED BAR LBAR DIOD LED BAR REMP ETIQUETTE REMP RESIST CMS 0805	HLMP 2300 ROUGE HLMP 2400 JAUNE DAT-50-652-10 22 OHMS 5% 1/10W K250	91502834 91522293 91623311 99180486
Circuit imprimé nu	CIU ***TOP KEY BOARD OC	CDA:XG5-THCE0-6951	2A534552/01
Circuits intégrés CMS	CIMS CIRC NUM CMS S014 CIMS CIRC NUM CMS S016P CIMS CIRC NUM CMS S016P	74ACT32 74HCT165T 74HC595M	T9000079 T9000852 T9000929
Commutateurs	TBP TOUCHE BOUTON POUSS COMP COMMUT. A POUSSOIR	TZ-0004 GRIS UNI. PT/PR CI JAUNE	91586666 T1000664
Condensateurs CMS	C.CH COND CMS CTC3B TANT C.CH COND CMS 0805 X7R	4,7MF 20% 16V 100 NF 10% 63V	T9001370 T9004666
Connecteur	CNEC EMBASE F COUD	FFC 1X10 CI2.4	T1005193
Résistances CMS-Potentiomètres CMS	RESC RESIST CMS 0805	1 KOHM 1% 1/10W K100	162102
R 110 R 111 R 112 R 113 R 114 R 115 R 116 R 117 R 120 R 121 R 122 R 123 R 124 R 125 R 126 R 127 R 94 R 90 R 91 R 92 R 10 R 11 R 12 R 13 R 14 R 15 R 16 R 17 R 20 R 21 R 22 R 23 R 24 R 25 R 26 R 27	RESC RESIST CMS 0805 RESC RESIST CMS 0805 RESC RESIST CMS 0805	0 OHM 100 OHMS 1% 1/10W K100 47.5 KOHMS 1% 1/10W K100	99180514 T9003993 T9004023
Support	SULD TZ2004 CADRE		91627404

CART BOTTOM KEY BOARD

REPERES TOPO						DESIGNATION 1				DESIGNATION 2				COMPOSANT	
CTL 101						LBAR DIOD LED BAR				HLMP 2300 ROUGE				91502834	
CTL 72						CTL 73				CTL 74				91522293	
CTL 100						CTL 106				CTL 107				91536712	
CTL 102						CTL 103				RUBN PPI1710 LARG.70 ADH LED DIOD LED				T1005207	
Circuit imprimé nu						CIU ***BOTTOM KEY BOARD				CDA:XB7-THCE0-1717				2B534551AB	
1															
Circuits intégrés CMS															
Z 102						Z 40				Z 50				T9000079	
Z 30						Z 60				CIMS CIRC NUM CMS S014				T9000852	
Z 70										CIMS CIRC NUM CMS S016P				74ACT32	
Z 100						Z 150				CIMS CIRC NUM CMS S016P				74HCT165T	
Z 160										CIMS CIRC NUM CMS S016P				74HC595M	
Z 170														T9000929	
Condensateurs CMS															
C 2						C 60				C 130				T9001370	
C 1						C 30				C 60				T9004666	
C 160										C 130					
Connecteur															
J 111						CNEC EMBASE F COUD				FFC 1X10 CI2.4				T1005193	
Diodes CMS															
CR 100						DIMS DIOD CMS SOT23				BAS16 [A6]				99110304	
Etiquettes															
IM						ETIQ *ETIQUETTE 22X6,5MM				3921-3M(IDENTIF) BD:5000				T9004114	
Résistances CMS-Potentiomètres CMS															
R 102						R 130				R 131				162102	
R 132						R 133				R 134				135	
R 136						R 137				R 140				141	
R 142						R 143				R 144				145	
R 146						R 147				R 150				151	
R 152						R 153				R 154				155	
R 156						R 157				R 160				161	
R 162						R 163				R 164				165	
R 166						R 167									
R 109										RESC RESIST CMS 0805				162103	
R 100						R 105				R 106				162331	
R 101										R 107				T9003836	
R 111						R 112				R 113				T9003940	
R 104						R 170				R 171				T9003997	
R 177						R 510				R 511					
R 110										RESC RESIST CMS 0805				T9004022	
R 30						R 31				R 32				T9004023	
R 34						R 35				R 36					
R 40						R 41				R 42					
R 44						R 45				R 46					
R 50						R 51				R 52					
R 54						R 55				R 56					
R 60						R 61				R 62					
R 64						R 65				R 66					
R 70						R 71				R 72					
R 74						R 75				R 76					

ARTICLE: 4c150343ab

CART MPU BOARD OCP40/50

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
20 21 Z 400 30 Z 130 A Z 200 A LS 1	---- BUTEE REMP ENTRETOISE F/F SWIR CIRC ANA DIL T0220 AFIC AFIC LCD REMP SUPPORT F DRT CMS REMP SUPPORT F DRT CMS BUZR BUZZER	L15 TAR:M3 INOX LT1076CT 5 PINS LM4045BG4C20SNG PLCC44 PLCC52 F/HCW06 6V 85DB -40+85	4A152145 99069701 T1005192 T1005257 T9001122 T9001123 T9003918
Accessoires cablages			
TP 104 TP 1 TP 5 TP 360 J 12	PL0T E06626-L2M PLMS PLOT CMS	RCT00000C	91382049 T1002596
	BARR BARRETTE M DRT BARR BARRETTE M DRT	1X3 PTS SOUD PAS2.54 1X40 PTS SOUD PAS 2	T9001677 T9003999
Cables-cordons			
	FIL FIL NF93523 AWG24 FIL FIL NF93523 AWG24 FIL FIL CUIVRE ARGENTE	600V NOIR KZ05-05B 600V ROUGE KZ05-05D KW0330-A2 VERT A WRAPPER	99024576 99029879 99109359
Circuit imprimé nu			
01	CIU MPU BOARD OCP50	- CDA:XL8-THCE0-C188	2C534550AA
Circuits intégrés CMS			
Z 470 Z 520 Z 340 Z 300 Z 330 Q 480 Z 320 Z 180 Z 190 Z 160 Z 450 Z 540 Z 350 Z 310 Z 550 Z 360 Z 325	CIMS CIRC NUM CMS S014P CIMS CIRC NUM CMS S014P CIMS CIRC CMS S08P CIMS CIRC CMS S08P CIMS CIRC CMS SOL16P CIMS CIRC CMS S08P CIMS CIRC CMS SOL24P CIMS CIRC NUM CMS S014P CIMS CIRC NUM CMS S014 CIMS CIRC NUM CMS S014P CIMS CIRC NUM CMS S08P	74HC04 INVERS. SN74HC04D 74HC74T NE567D LMC6482AIM -40+85 MAX187BCWE 0+70 SI9430DY PMOSFET MAX529EWG 74ACT00 74ACT32 74HC125T MAX485E DRIVER RS485	99137355 99142001 T1000981 T1002656 T1005176 T1005180 T1005191 T9000055 T9000079 T9001569 T9004906
Circuits intégrés mémoires CMS			
Z 150 Z 100 Z 90 Z 110 Z 120	CIMS CIRC PROC CMS S08P MPMS MICROP CMS QFP132P EEMS MEM EEPR CMS S08P SRMS MEM SRA CMS SOJ32P	MAX700CSA DETEC TENSION MC68302FC16C 1KX16/2KX8 1MHZ 3MA 128KX8 15NS 170MA	T1002869 T1005168 T9001604 T9003029
Commutateurs			
SW 1 S 1 S 5 S 310 S 2 S 6 S 3 S 7 S 4	COML COMMUTATEUR LEVIER CODR CODEUR ROTATIF COMS COMMUTATEUR CMS	EC16B24104 SPE 46152176 1POLE 2POS. 2CONT. INV.	91691579 T6000130 T9004800
Condensateurs			
C 404 C 402	CAPA COND FIXE CAR1015 CAPA COND FIXE CAR812	470 UF 20% 16V 47 UF 20% 63V	T9001342 T9003100
Condensateurs CMS			
C 170 C 343 C 322 C 103 C 501 C 471 C 202 C 206 C 210 C 219 C 224 C 352 C 342 C 362 C 311 C 510 C 90 C 105 C 151 C 200 C 321 C 345 C 355 C 403 C 470 C 171 C 353 C 104 C 561 C 472 C 203 C 207 C 211 C 220 C 225 C 212 C 363 C 204 C 208 C 217 C 221 C 101 C 120 C 180 C 310 C 340 C 350 C 364 C 450 C 213 C 205 C 209 C 218 C 222 C 400 C 102 C 130 C 190 C 320 C 344 C 354 C 365 C 460	C.CH COND CMS 0805 NPO C.CH COND CMS 0805 NPO C.CH COND CMS CTC3B TANT C.CH COND CMS 0805 NPO C.CH COND CMS 0805 NPO C.CH COND CMS 0805 C.CH COND CMS 0805 C.CH COND CMS 0805 C.CH COND CMS 0805 NPO C.CH COND CMS CTC3B TANT C.CH COND CMS 0805 X7R	33 PF 5% 63V 680 PF 1% 63V 1 UF 20% 35V 22 PF 5% 100V 100 PF 5% 100V 10 NF 10% 63V 1 NF 10% 100V 4.7 NF 10% 100V 6.8 NF 10% 63V 3.3 NF 10% 100V 4,7MF 20% 16V 100 NF 10% 63V	251330 252681 96103285 99187398 99187412 T9000152 T9000332 T9000333 T9000851 T9000878 T9001370 T9004666
Connecteur			
J 10 J 3 J 1 J 13 J 11 J 2 J 20	CNEC EMBASE F DRT CNEC EMBASE M DRT CNEC EMBASE F DRT CNEC EMBASE M DRT	FFC 10 CI2,4 SUBD 09 WRAP 2,74/2,84 SUBD 09 WRAP 2,74/2,84 RECT 2X6 PAS 2MM CI1.6	T1002439 T1005194 T9001515 T9005693
Diodes CMS			
CRL 160 CRL 1 CRL 340 CR 420 CR 410 CR 403 CR 400 CRL 120 CRL 350 CR 411 CR 401 CRL 360 CR 412 CR 421	LEDS DIOD LED CMS S0T23 LEDS DIOD LED CMS S0T23 LEDS DIOD LED CMS S0T23 DIMS DIOD CMS S0T23 DIMS DIOD CMS S0T23 DIMS DIOD CMS	LSS260-D0 ROUGE LGS260-D0 VERTE LYS260-D0 JAUNE BAS16 [A6] BAV99 MBRD660CT 60V 6A MBRD660CT 60V 6A	306024 91613459 91613461 99110304 99116852 T1002443 T1002444
Divers mécaniques			
24	VR0U VERRROU 8630-01	P/SUBD	91283652
Etiquettes			
	ETIQ *ETIQUETTE 22X6,5MM	3921-3M(IDENTIF) BD:5000	T9004114
Fusibles CMS			
F 1	FUMS FUSIBLE CMS	SMD030 0.3A	T9004705
Inductances			
L 400 L 401	SELF SELF TSL1110	100 UH 10%	T9003230
Oscillateurs			
Y 100 Y 170 Y 200	OCMS OSCIL. CMS CSACS8T QRTZ QUARTZ HC49S	Resonateur MOS 8 mh 47.3729MHZ 50PPM BP	T1002473 T9000410
Résistances CMS-Potentiomètres CMS			
R 144 R 470 R 101 R 148 R 225 R 364 R 533 R 510 R 172 R 480 R 102 R 160 R 323 R 422 R 542 R 511 R 212 R 104 R 173 R 344 R 471 R 567 R 400 R 125 R 190 R 354 R 502	RESC RESIST CMS 0805 RESC RESIST CMS 0805	1 MOHM 5% 1/8W K200 1 KOHM 1% 1/10W K100	161105 162102 162103

ARTICLE: 4c150343ab

CART MPU BOARD OCP40/50

REPERES TOPO				DESIGNATION 1				DESIGNATION 2	COMPOSANT
R	90	R	213	R	214	R	226		
R	302	R	347	R	411	R	481		
R	342					RESC	RESIST CMS 0805	392 OHMS 1% 1/10W K100	162391
R	123	R	165	R	331	R	536	0 OHM	99180514
R	552								
R	1					POMS	POTENT CMS	10 K 20%	T1001973
R	621					RESC	RESIST CMS 3715	100 OHMS 1% 1/4W K50	T9000206
R	401					RESC	RESIST CMS 3715	2.7 KOHMS 1% 1/4W K50	T9000237
R	622					RESC	RESIST CMS 3715	2.05 KOHMS 1% 1/4W K50	T9000657
R	340					RESC	RESIST CMS 2211	8.25 KOHMS 0.5% 1/5W K50	T9001343
R	360					RESC	RESIST CMS 2211	4.75 KOHMS 0.5% 1/5W K50	T9001402
R	350					RESC	RESIST CMS 2211	6.19 KOHMS 0.5% 1/5W K50	T9001403
CR	503	CR	512	CR	531	CR	537	THMS THERMIST CMS CN0805 K11G	T9003582
CR	540	CR	560						
R	562					RESC	RESIST CMS 0805	470 OHMS 1% 1/10W K100	T9003836
R	103	R	105	R	106	R	107	100 KOHMS 1% 1/10W K100	T9003940
R	119	R	120	R	121	R	124		
R	130	R	131	R	132	R	145		
R	149	R	202	R	203	R	204		
R	205	R	206	R	207	R	208		
R	209	R	210	R	211	R	217		
R	218	R	219	R	220	R	221		
R	222	R	223	R	224	R	300		
R	301	R	304	R	325	R	326		
R	327	R	328	R	330	R	341		
R	343	R	351	R	353	R	361		
R	363	R	423	R	450	R	474		
R	451					RESC	RESIST CMS 0805	150 OHMS 1% 1/10W K100	T9003941
R	201	R	216	R	312	R	410	100 OHMS 1% 1/10W K100	T9003993
R	421	R	539	R	561				
R	420					RESC	RESIST CMS 0805	221 OHMS 1% 1/10W K100	T9003997
R	310					RESC	RESIST CMS 0805	1 MOHM 1% 1/10W K1	T9004022
R	161	R	162	R	170	R	490	47.5 KOHMS 1% 1/10W K100	T9004023
R	500	R	501	R	513	R	530		
R	532	R	538	R	541	R	544		
R	550	R	553	R	563	R	564		
R	565	R	566						
R	133	R	134	R	135	R	136	4.75 KOHMS 1% 1/10W K100	T9004032
R	140	R	141	R	142	R	143		
R	146	R	147	R	164	R	346		
R	322					RESC	RESIST CMS 0805	33.2 KOHMS 1% 1/10W K100	T9004033
R	352	R	362			RESC	RESIST CMS 0805	162 OHMS 1% 1/10W K100	T9004037
R	303					RESC	RESIST CMS 0805	35.7 KOHMS 1% 1/10W K100	T9004065
R	321					RESC	RESIST CMS 0805	475 KOHMS 1% 1/10W K100	T9004073
R	6	R	7	R	8	R	9	22.1 OHMS 1% 1/10W K100	T9004080
R	311	R	324			RESC	RESIST CMS 0805	332 KOHMS 1% 1/10W K100	T9004353
R	482					RESC	RESIST CMS 0603	2,21K0 1% 1/10W K100	T9005137
Transistors CMS									
Q	325	Q	420			TRMS	TRANS CMS SOT23	2N7002 [702] [72AB]	91685632
Q	410	Q	510			TRMS	TRANS CMS SOT23	S03906 PNP	99110322
Visserie-Ecrous-Rondelles-Rivets									
	26					RDEL	RONDELLE	520251-80	91280718
	31					ENTT	ENTRETOISE F/F	L5 TAR:M3 NYLON	91351502
	22		34			RDEL	RONDELLE 520301-80		99051638
	33					ECRU	ECROU H M3 U INOX	A4 PASSIVE	99059912
	27					VIS	VIS INOX.A4 PASS. C	M2.5X6/6 U	99060919
	23					VIS	VIS INOX A4 PASS. C	M3X8/8 U	99060924
	32					VIS	VIS INOX.A4 PASS. C	M3X12/12 U	99060925

ARTICLE: 46150624ab

CART SMARTCARD

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
ID	REMP 25,4X6,35MM	POLYIMIDE H TEMP.	T9004679
Circuit imprimé nu 01	CIU SMARTCARD		29534687BA
Condensateurs CMS C 1 C 2	C.CH COND CMS CTC3D TANT C.CH COND CMS 0805 X7R	22MF 20% 20V 100 NF 10% 63V	T9003002 T9004666
Connecteur J 2 J 1	CNMS EMBASE F COUD CMS CNSC CONNECT LECTEUR DE	FFC 1X10 NAP CARTE A PUCE 7334 V02 15	T1002086 T9006091
Visserie-Ecrous-Rondelles-Rivets 10	ECRU ECRou A SERTIR	KFS2 M3	T1005104

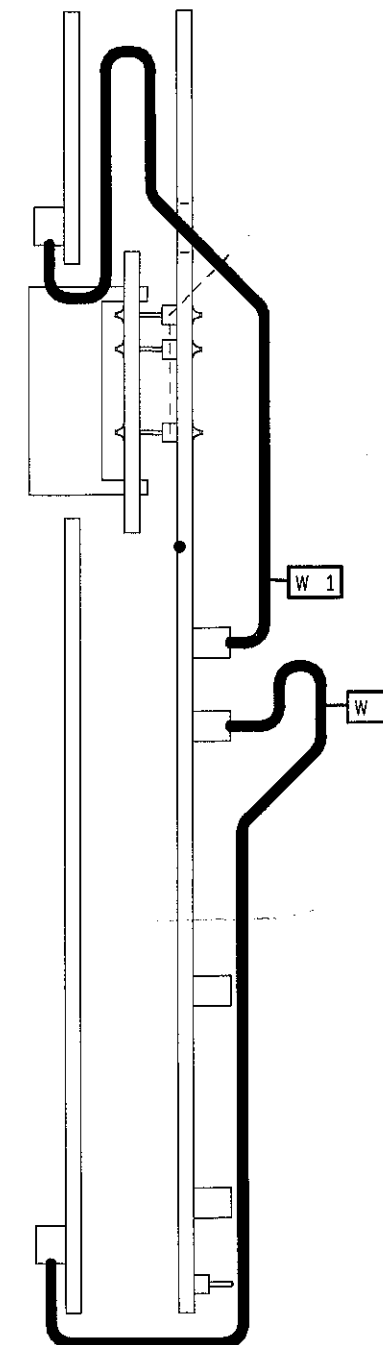
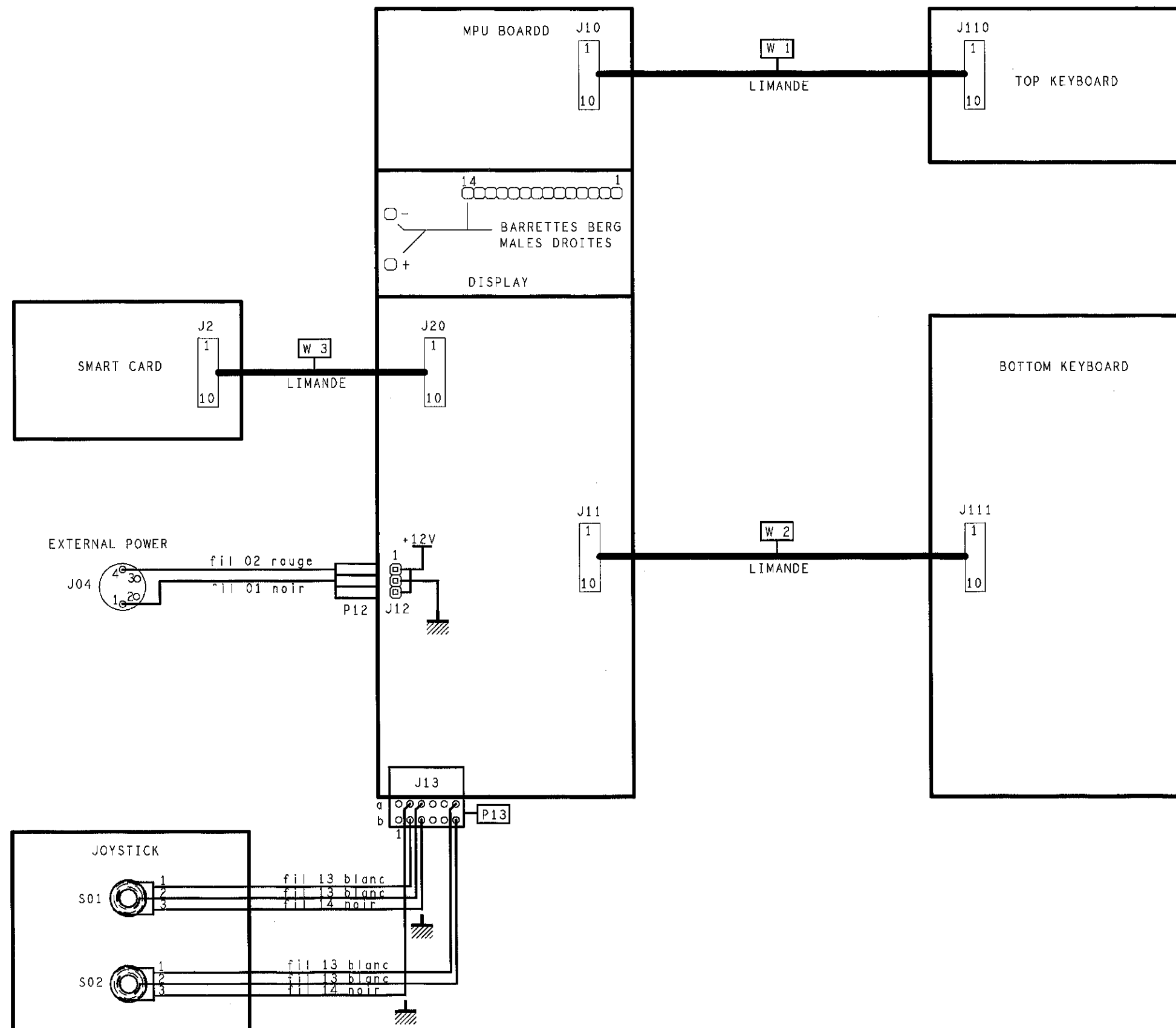
Chapter 2

OCP 50

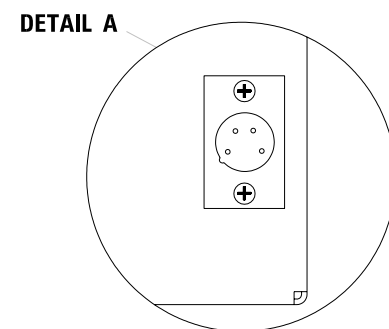
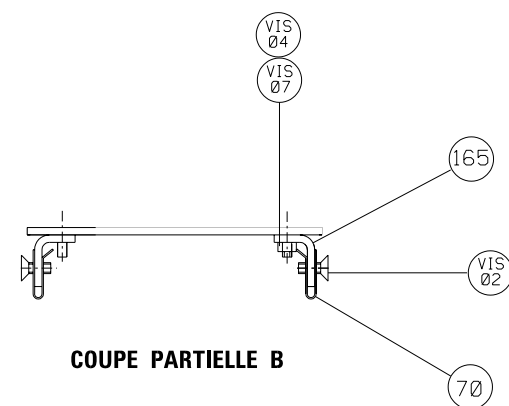
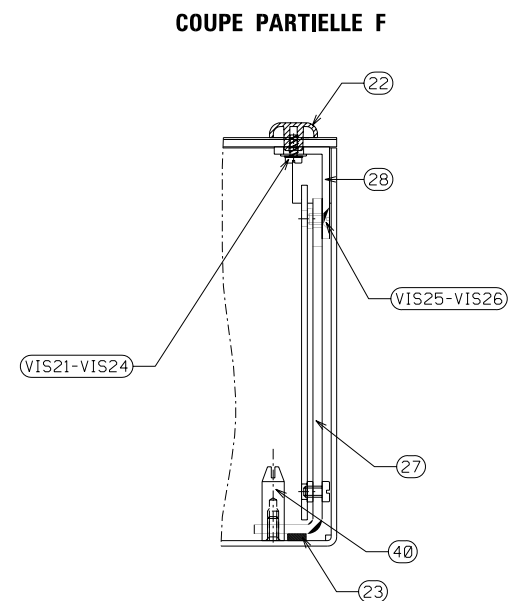
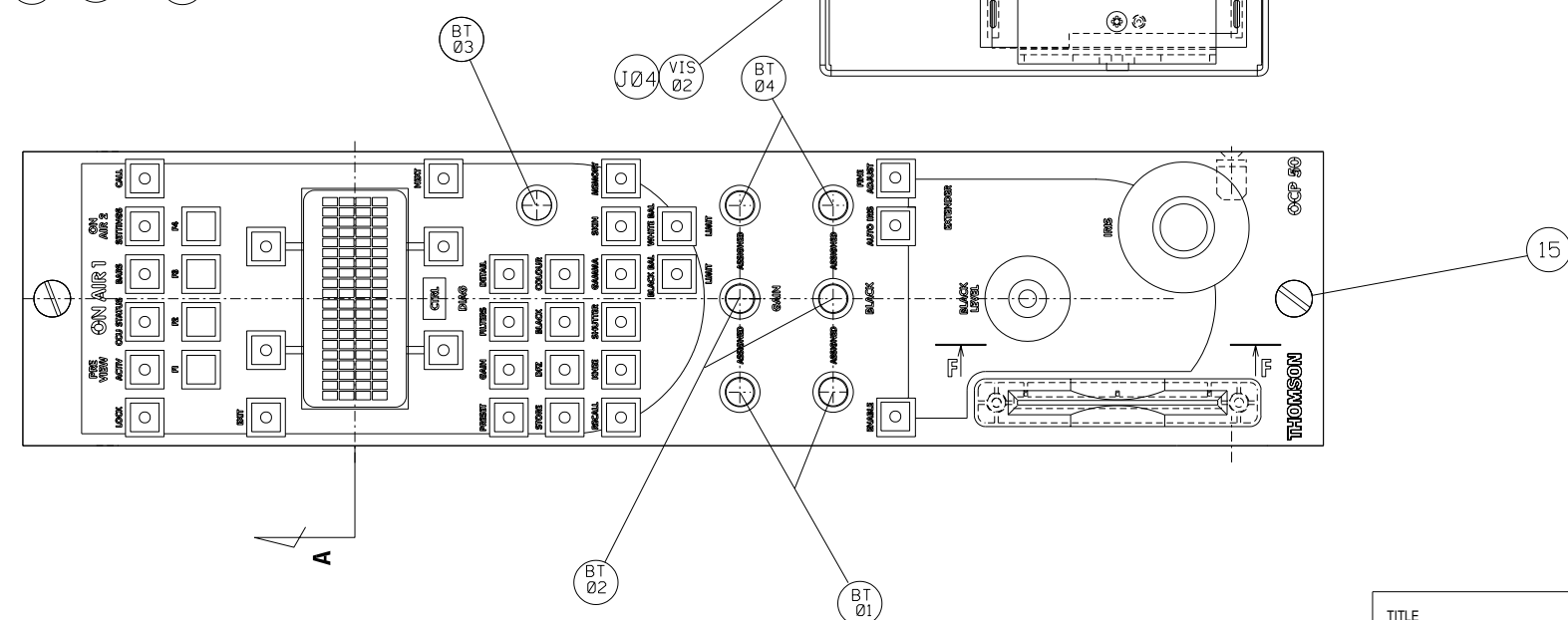
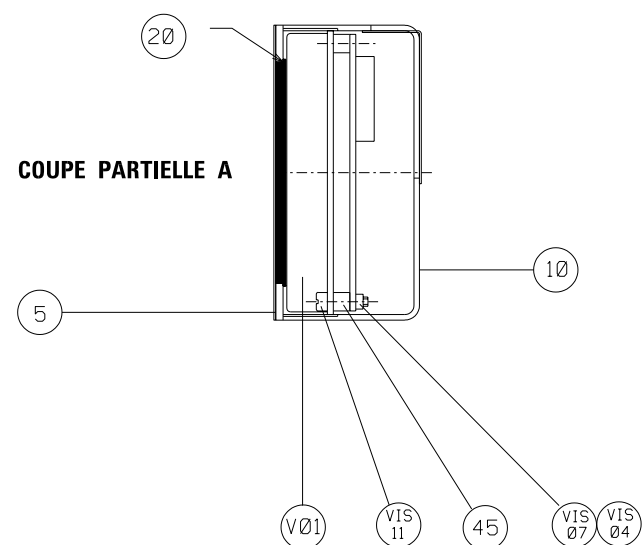
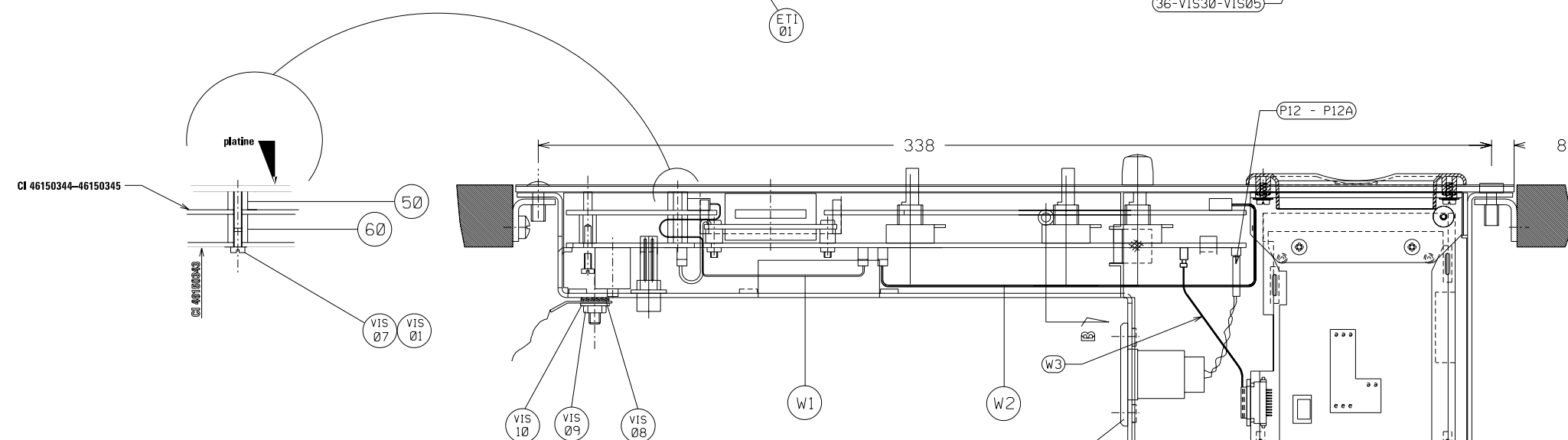
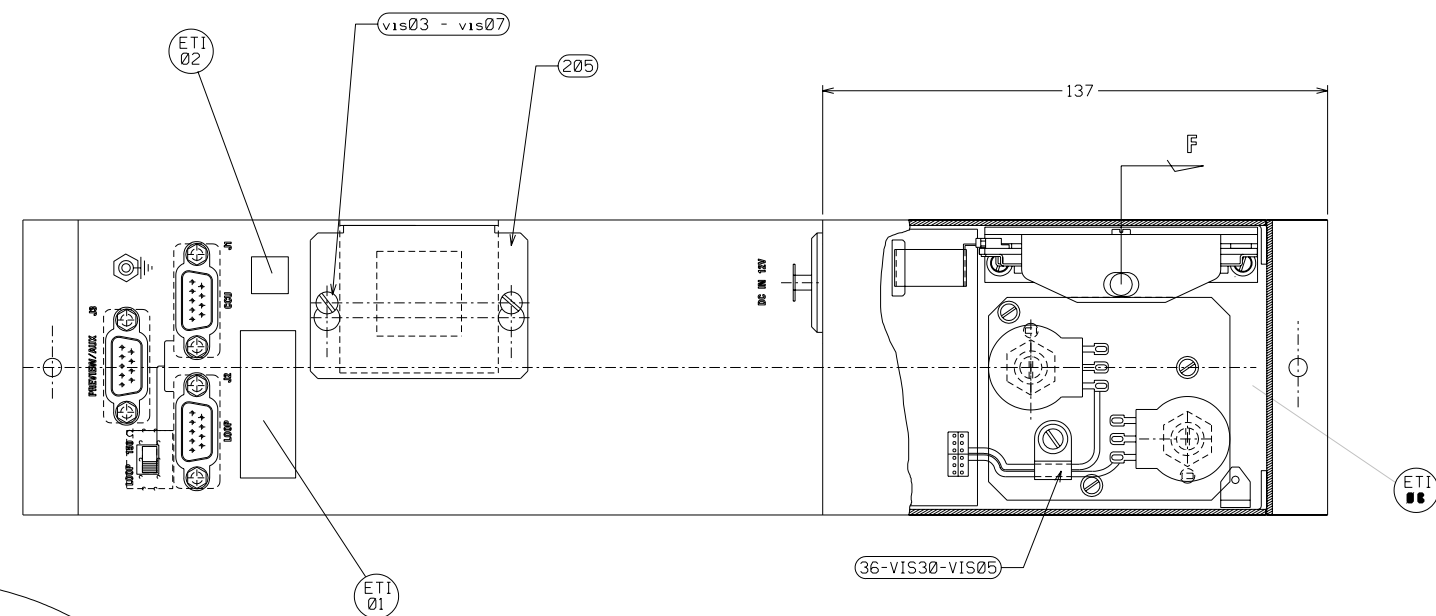
OCP50			B1500509AA
	Schematic	Layout	Part list
BLOCK DIAGRAM	See CHAPTER 1 OCP 42		
INTERCONNECTION	47232227/B-050		47232227AA
ASSEMBLED OCP50	47232227/F-040		47232227AA
TOP KEY BOARD	See CHAPTER 1 OCP 42		
BOTTOM KEY BOARD	See CHAPTER 1 OCP 42		
MPU BOARD	See CHAPTER 1 OCP 42		
SMARTCARD	See CHAPTER 1 OCP 42		

SITE: ZREF

Niv.	Composant	Rév	P/M	T	Fa	Description	Description	Qté	lien	UM
Compos	B1500509AA	02	M			CACC OCP50 for 1657(D)	1557/1707			EA
1	47019048aa	1	M			LCAB ACCESSOIRES ET CABL	OCF 40	1,0		EA
.2	39962451	1	M	X	oui	CABC LIMANDE EQUIPEE	RACCORDMENT PUPITRES	1,0		EA
1	47033512aa	1	M		oui	ETIM PRODUIT STANDARD		1,0		EA
1	47232227aa	8	M			CHAS CHASSIS	OCF50 CABLE	1,0		EA
.2	1B518718AE	01	M			CARP PANEL PUPITRE OCP	PUPITRE OCF 40	1,0		EA
.3	4A150344	2	M	X	oui	CART TOP KEY BOARD		1,0		EA
.3	4B150345AB	1	M	X	oui	CART BOTTOM KEY BOARD		1,0		EA
.3	4C150343AB	02	M	X	oui	CART MPU BOARD OCF40/50		1,0		EA
.2	46150624AB	01	M			CART SMARTCARD		1,0		EA
.2	47017050		M	X	oui	PROG Z 200		1,0		EA
.2	47033512AA	1	M	X	oui	ETIM PRODUIT STANDARD		1,0		EA
.2	47232228AB	02	M		oui	KIT. KIT SMART-CARD		1,0		EA
.2	47232229AA	4	M	X	oui	KIT2 MECA OCF50		1,0		EA
.2	47232541AC	01	M	X		PROG Z 130		1,0		EA
1	configpv		M			---- CONFIGURATION PRISE UE		1,0		EA



TITLE		OCP50				
		INTERCONNECTION				
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		47232227	B	050	3	01/01



TITLE ASSEMBLED OCP50				OCP50		
THOMSON BROADCAST SYSTEMS		DRAWING No	REV	CODE	SIZE	SHEET
		47232227	F	040	1	01/01

ARTICLE: 47232227AA

CHAS CHASSIS
OCP50 CABLE

REPERES TOPO	DESIGNATION 1	DESIGNATION 2	COMPOSANT
50	---- ENTRETOISE	REPRISE	46152143
15	---- FILTRE LCD		46152146
165	---- VIS IMPERDABLE		46152147
205	---- EQUERRE DE FIXATION		46152311
34	---- CAPOT		46152312
33	---- BOUTON BLACK LEVEL		46153298AA
	---- BOUTON IRIS		46153299AA
30	---- PLATINE OCP50		47232212AB
40	---- PLAQUE SUPPORT DIGI		47232216AA
FIL 14	---- AXE DE POSITIONNEME		47232220AA
	FIL FIL NF93523 AWG26	250V NOIR KZ04-04B	99070686
Accessoires cablages			
36	COLL COLLIER ATTACHE	CABLE NYLON D:3,4MM NX0	T1003012
Cables-cordons			
FIL 01	FIL FIL NF93523 AWG24	600V NOIR KZ05-05B	99024576
FIL 02	FIL FIL NF93523 AWG24	600V ROUGE KZ05-05D	99029879
W 3	CAPL FFC 1.00 D10 180 L3	-07	T1002592
W 1	CAPL CABLE PLAT EQUIPE	FFC 1.00 A10 200 L3-3-07	T1005501
FIL 13	FIL FIL UL1371 AWG26	250V BLANC	T9006099
Cartes équipées			
	CARP PANEL PUPITRE OCP	PUPITRE OCP 40	1B518718AE
	CART SMARTCARD		46150624AB
Circuits intégrés mémoires CMS			
Z 200	MPMS CIRC PROC CMSPLCC52	MC68HC811E2FN	T1005225
Z 130	EPMS MEM EPRO CMS PLCC44	256KX16 120NS	T9001714
Commutateurs			
S 01	CODR CODEUR ROTATIF		91598936
Connecteur			
P 12	CNSC FICHE F DRT FIL	RECT 1X3 NU PAS2.54	91397837
P 12 A	CNCT 47565-001 (ACHAT PA	00)	T1000298
J 04	CNEC EMBASE M DRT FIL	XLR 04 SOUD J16	T1000305
P 13	CNSC FICHE F DRT FIL	RECT 2X6 PAS2MM SERIE LY	T9005682
P 13 A	CNCT CONTACT F SERT	AU/SN J26-30 D:0.7-1.2	T9005716
Divers mécaniques			
22	---- enjoliveur	ocp smart cart	46153297AB
	---- CHASSIS OCP		47232221AB
27	---- EQUERRE SMARTCARD		47268211AB
28	---- EQUERRE SUPPORT		47268212AB
BT 01	BTON BOUTON	301 03 62 ROUGE	91613746
BT 02	BTON BOUTON	301 03 65 VERT	91613747
BT 04	BTON BOUTON	301 03 66 BLEU	91613749
23	JOIN JOINT MOUSSE 140/65	EPR:3 LARG:5 DURASEAL	T1001398
35	ATT. ATTACHE CB 4232		T1005258
BT 03	BTON BOUTON	CAPSULE GRISE	T1005967
Etiquettes			
ETI 02	ETIM CE 10x10		47018990
ETI 000	ETIQ ETIQUETTE	DAT-1-637-10	91592387
	ETIQ ETIQUETTE POLYESTER	40X15MM (CF:39962994/E)	T1003312
ETI 03	ETIQ *ETIQUETTE 22X6,5MM	3921-3M(IDENTIF) BD:5000	T9004114
Visserie-Ecrous-Rondelles-Rivets			
VIS 07	RDEL RONDELLE	520251-80	91280718
VIS 10	RDEL RONDELLE M4U A4-50	PASSIVE	99012771
70	ECRU ECROU NU503-2-A	A PINCE-ACIER	99051303
VIS 05	RDEL RONDELLE 520301-80		99051638
VIS 02	VIS VIS INOX A2.70 PASS	F/90+ PHILIPS M3X8	99052425
VIS 24	RDEL RONDELLE M2,5U	A4-50 PASSIVE	99052511
VIS 04	ECRU ECROU H M2,5 U INOX	A4 PASSIVE	99059911
VIS 09	ECRU ECROU H M4 U INOX	A4 PASSIVE	99059913
VIS 03	VIS VIS INOX.A4 PASS. C	M2.5X6/6 U	99060919
VIS 26	VIS VIS INOX.A4 PASS. C	M3X6/6 U	99060923
VIS 30	VIS VIS INOX A4 PASS. C	M3X8/8 U	99060924
60	ENTT ENTRETOISE F/F	L10 TAR:M2.5 LAITON	T1000547
31	ENTT ENTRETOISE F/F	L20 TAR:M2.5 LAITON	T1005158
VIS 01	VIS VIS INOX A2.70 NOIR	CHC M2.5X6 SP39960411	T6000080
VIS 21	VIS VIS AUTO.T ACIER-Z	PLASTIQUE TCB+Z M2.5X6	T9004817
VIS 08	RDEL RONDELLE M4/8MM	EVENT.INOX-A2 DENTS-EXT	T9004859
VIS 25	VIS VIS INOXA2	FX90 M3X6	T9005891