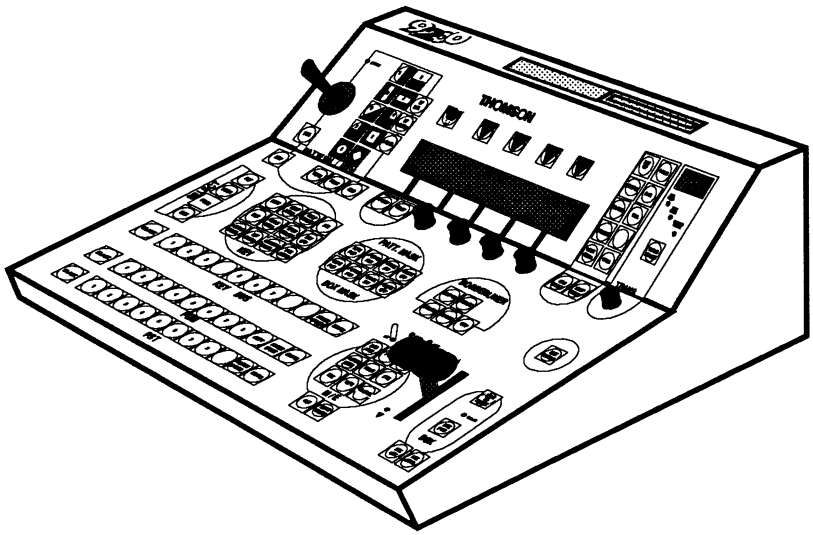
MÉLANGEUR COMPOSANTES NUMÉRIQUES
DIGITAL COMPONENT MIXER

9200

SCHÉMAS ET NOMENCLATURE
DIAGRAMS & PARTS LIST



THOMSON BROADCAST

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.

SECTION 1 - CONTROL PANEL

DIAGRAMS & PARTS LIST
VOLUME 1/2

SD1	**Control panel overall**	39 967 996 050
SD 2	**Keyboard PCB**	3A 967 997 030 (C)
LD 2		3A 967 997 046
SD 3	**Display PCB**	4A 150 056 030 (B)
LD 3		4A 150 056 046
SD 4	**CPU PCB**	3A 967 998 030 (D)
LD 4		3A 967 998 046

SECTION 2 - CHASSIS

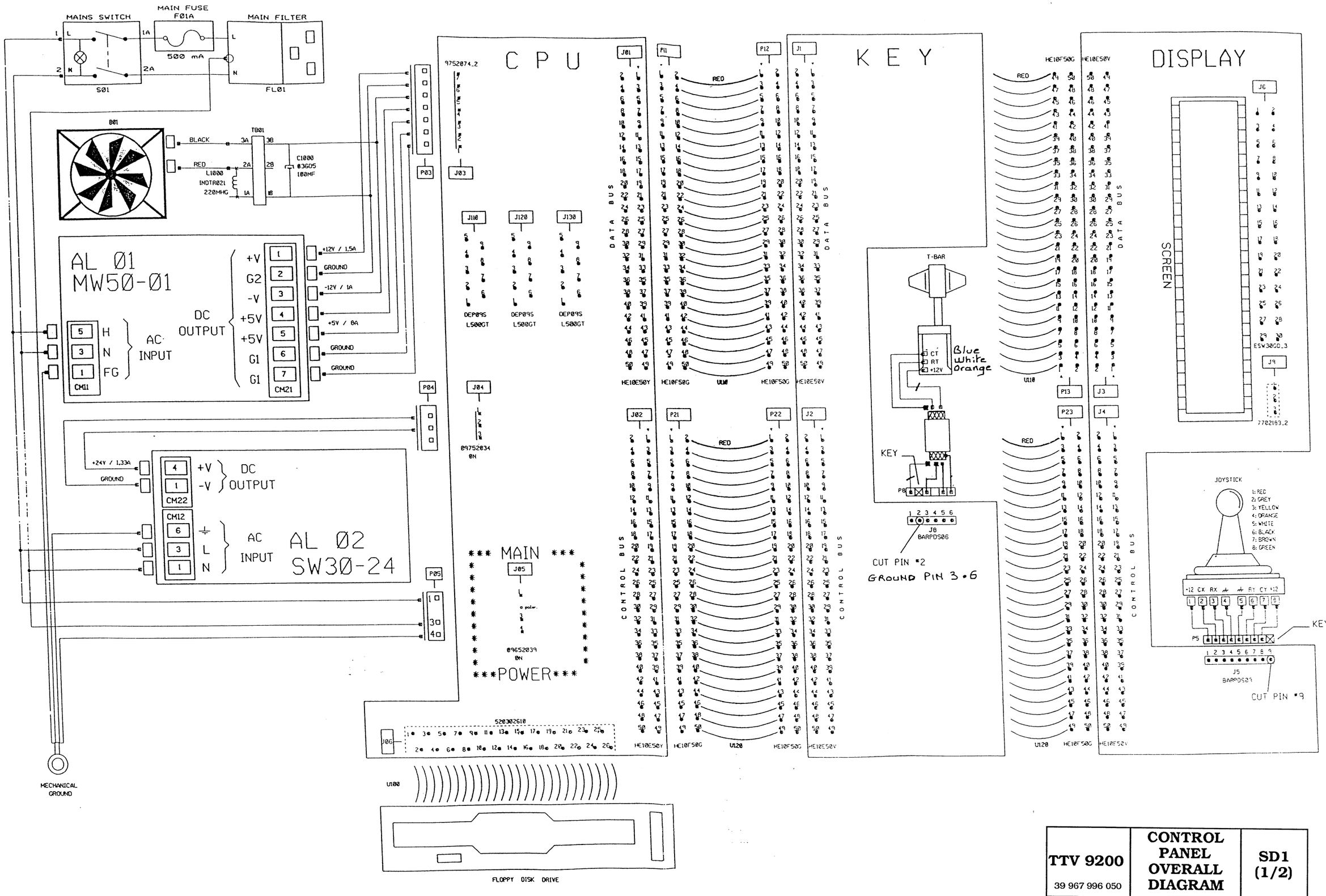
DIAGRAMS & PARTS LIST

VOLUME 1/2

BD10	**Block diagram**	3A 967 989 030
SD10	**Chassis PWS and Fans**	3A 967 989 050
	Mother PCB	3D 967 990 030 (B) 3D 967 990 046
	Routing PCB	3C 967 991 030 (G) 3C 967 991 046
	Processing PCB	3C 967 992 030 (B) 3C 967 992 046

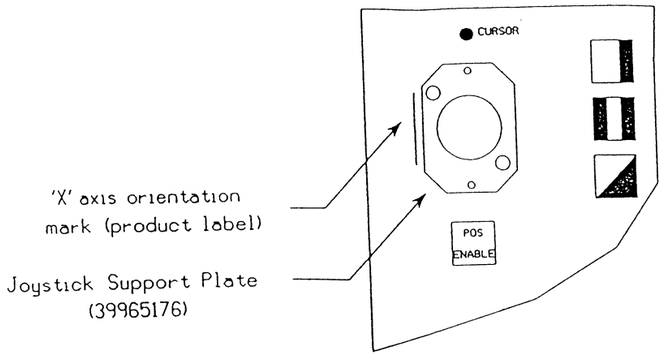
VOLUME 2/2

	DSK / Border PCB	3A 967 995 030 (E) 3A 967 995 046
	Chroma-key PCB	3B 967 993 030 (C) 3B 967 993 046
	Freeze PCB	3C 967 994 030 (C) 3C 967 994 046
	Microoption PCB	4B 032 244 030 (A) (VOIR/SEE) 3B 967 993 046
	2ND Channel Chromakey	46 150 328 030(B) 46 150 328 046
	Border light PCB	47 032 155 030 (A) (VOIR/SEE) 3A 967 995 046



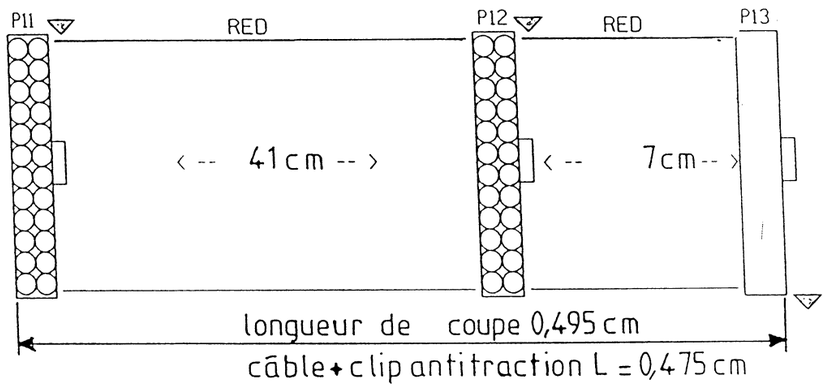
TTV 9200 39 967 996 050	**CONTROL PANEL OVERALL DIAGRAM**	**SD1 (1/2)**
THOMSON		

JOYSTICK ASSEMBLY DRAWING

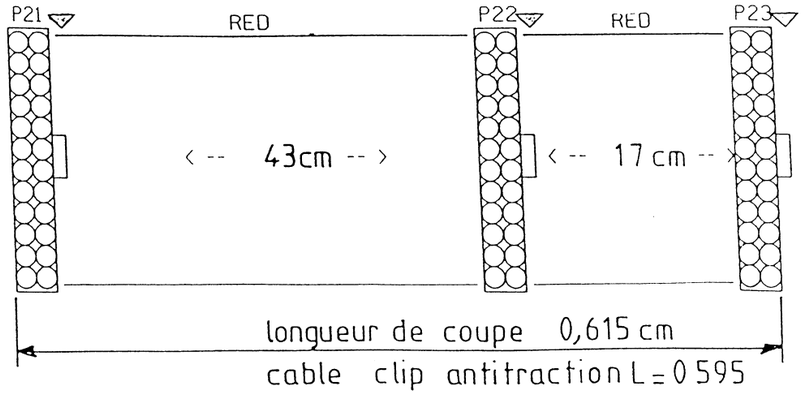


CONTROL PANEL TOP VIEW

DATA BUS FLAT CABLE



CONTROL BUS FLAT CABLE



MALE CONNECTORS

CPU BOARD	
J01,J02: Euro Quickie Header Straight/ type HE1001EM50Y022B	99113791
J03: Right-Angle Power Connector/ MOLEX type 09-75-2074	T1002495
J04: Right-Angle Power Connector/ MOLEX type 09-75-2034	T1001552
J05: Straight Power Connector/ MOLEX type 09-65-2039	T1000173
J06: FFC Straight Connector/MOLEX Order No. 52030-2610	T1002468
KEY BOARD	
J1,J2: Euro Quickie Header Right-Angle/ type HE1001EM50V022B	99113797
J8: BergStick Header Straight Single Row/DUPONT type 75160-102-36 (1x36-Y2)	91371441
DISPLAY BOARD	
J3,J4: Euro Quickie Header Right-Angle/ type HE1001EM50V022B	99113797
J5: BergStick Header Straight Single Row/DUPONT type 75160-102-36 (1x36-Y2)	91371441
J6: Elevated Socket Strips/SAMTEC type ESW-115-34-G-D	T1002639
J9: Board-to-Board Receptacle Housing Assemblies/AMP type 770218-3	T1002494

FEMALE CONNECTORS

CPU BOARD	
P11,P21: Euro Quickie Female Connector/ type HE1001FF50G	99113767
P03: Right Housing/ MOLEX type 09-50-1071	T1002390
P04: Right Housing/ MOLEX type 09-50-1031	T1002389
P05: Right Housing/ MOLEX type 09-50-1033	~~91591193~~ T1001009
J110,J120,J130: Sub-D Right Angle Connector/ type DEP09S	T9001512
KEY BOARD	
P12,P22: Euro Quickie Female Connector/ type HE1001FF50G	99113767
P8: Mini-Latch Housing Single Row/DUPONT type 65039-031 (FFD-1x6-C) with 6 Crimp-to-Wire Mini-PV/ DUPONT type 75231-015	91343770
DISPLAY BOARD	
P13,P23: Euro Quickie Female Connector/ type HE1001FF50G	99113767
P5: Mini-Latch Housing Single Row/DUPONT type 65039-028 (FFD-1x9-C) with 4 Crimp-to-Wire Mini-PV/ DUPONT type 75231-015	91458385

AL 01: POWER #1 / TOKO type MW50-01	T1002387
AL 02: POWER #2 / TOKO type SW30-24	T1002332
FL01: Main Filter/SCHAFFNER type FN326-3/06	T1002336
F01A: Main Fuse/SCHURTER type FEP031.1026	91460069
S01: Main Switch/MARQUARDT type 1855-1108	91597476
TB01: Cabling Relay / type 1073K	99027860
B01: Electric Fan (DC12V/0.12A): DENSITRON CORP. ref DPF60A12L	T1001473
U100: Flat Flexible Cable: 26 circuits,1 mm pitch, 300mm lenght	T6000072
U110,U120: ... / type KL127-280E50	--

TTV 9200 39 967 996 050	**CONTROL PANEL OVERALL DIAGRAM**	**SD1 (2/2)**
THOMSON		

AD[1:4]

/CS

CTRL

DATA[0:12]

TO CONNECTORS
J1 - J2
(folio 2/8)

BF1
LOW KEY
clavier-bas.sch

BF2
MIDDLE KEY
claviercent.sch

Z1 74F139S DMUX

/CsKEY

T BARRE
L10 100MHG (NDTR021
C10 036D5 10NF
C11 10NF
J8

BF3
ANALOG DIGITAL CONVERTER
c.a.n.-sch

JOYSTICK
X AXIS
Y AXIS

BF4
DIGIPOTS
digipots.sch

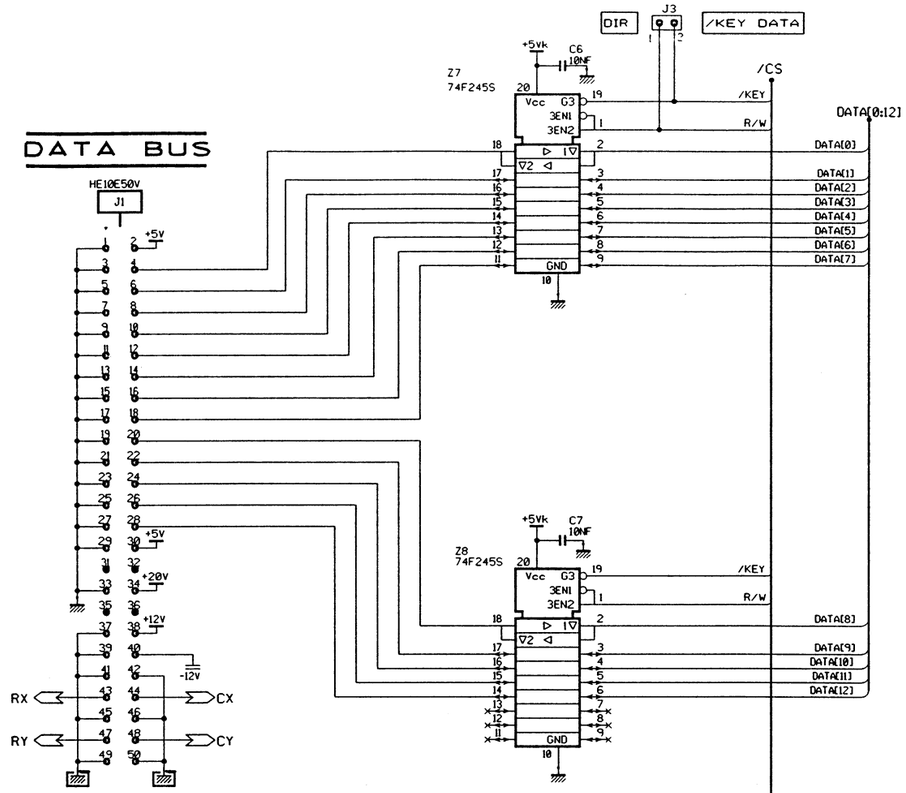
CTRL

FREE

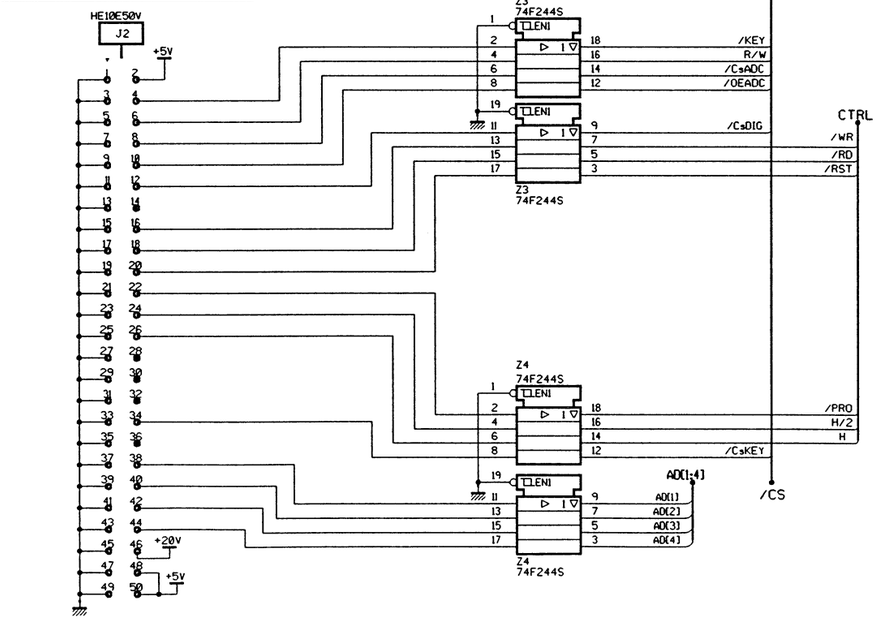
GND ANALOG

TTV 9200 3A 967 997 030	KEYBOARD P.C.B	SD2 (1/8)
THOMSON		

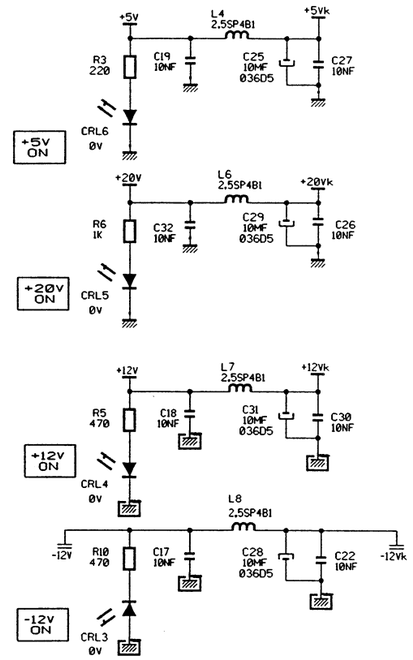
DATA BUS



CONTROL BUS

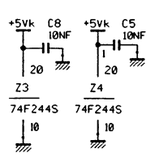


KEY SUPPLY



GND

GND ANALOG



TTV 9200	KEYBOARD P.C.B	SD2 (2/8)
3A 967 997 030		
THOMSON		

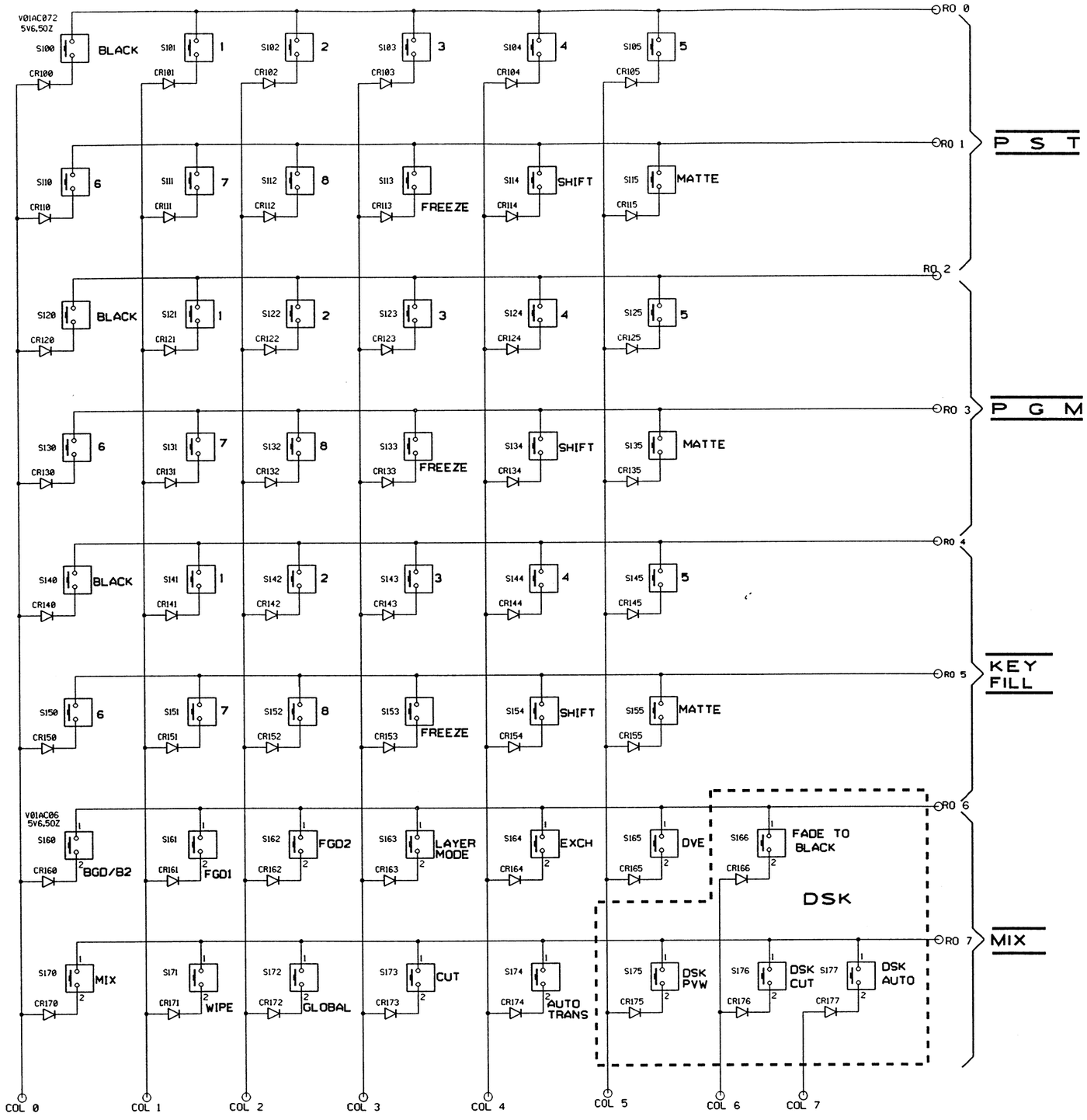
KEYS MATRIX

INDICATOR MATRIX

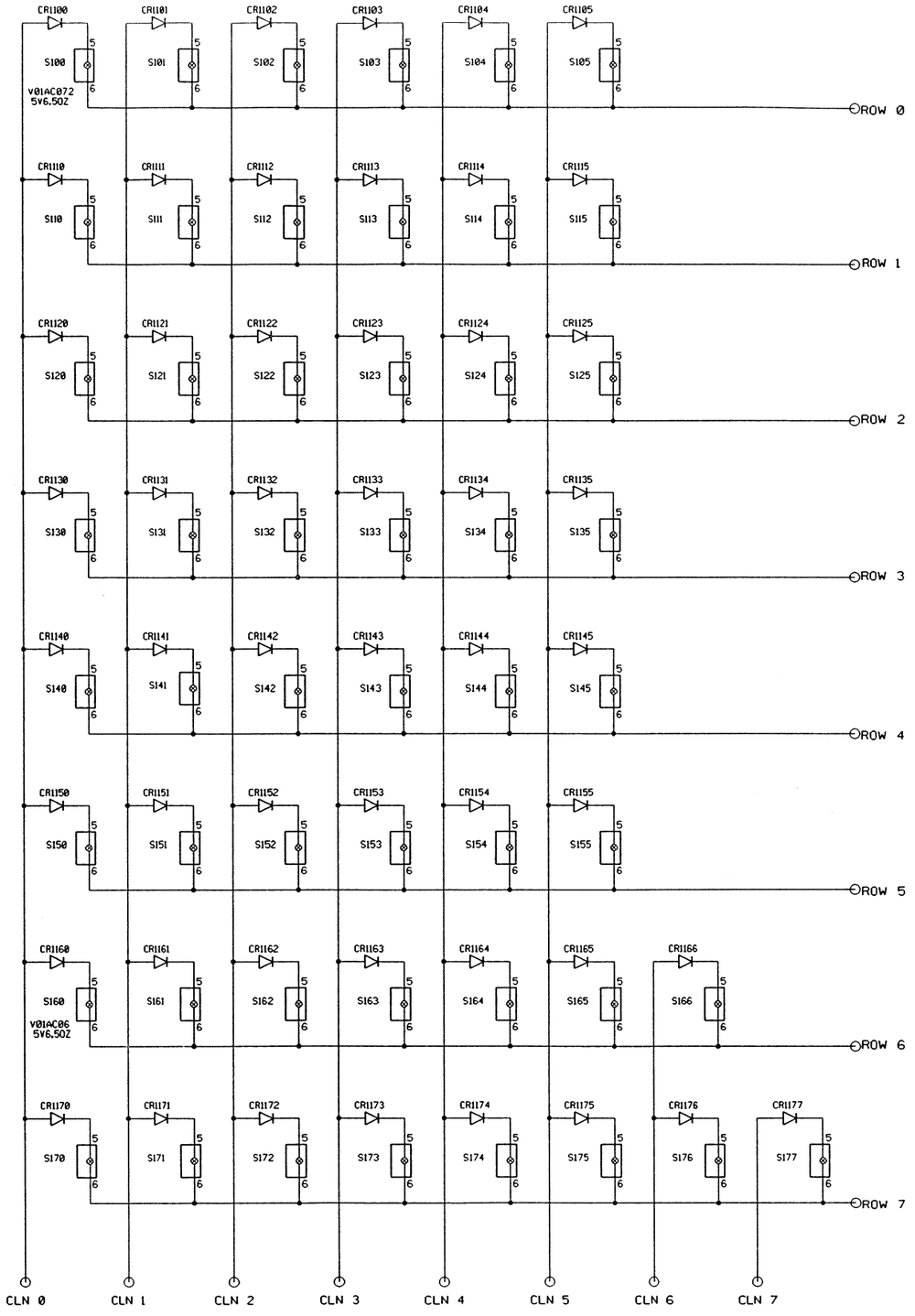
LOW KEY

TTV 9200 3A 967 997 030	**KEYBOARD P.C.B**	**SD2 (3/8)**
THOMSON		

KEY MATRIX



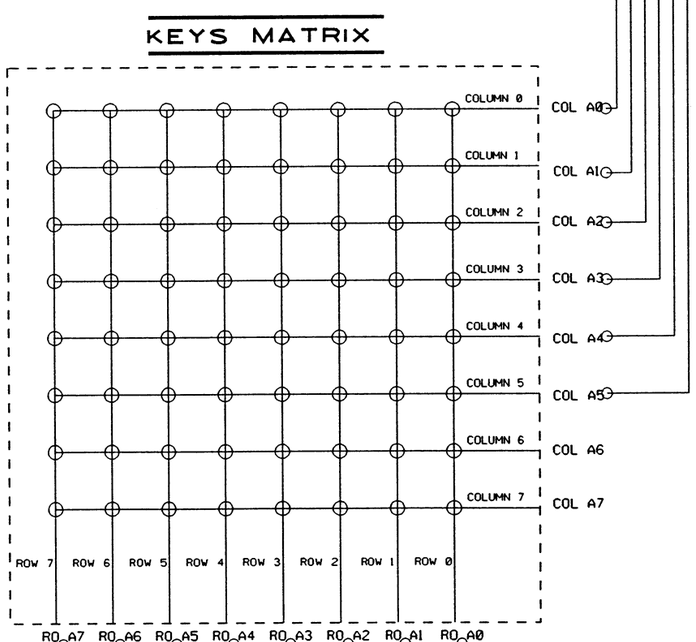
INDICATOR MATRIX

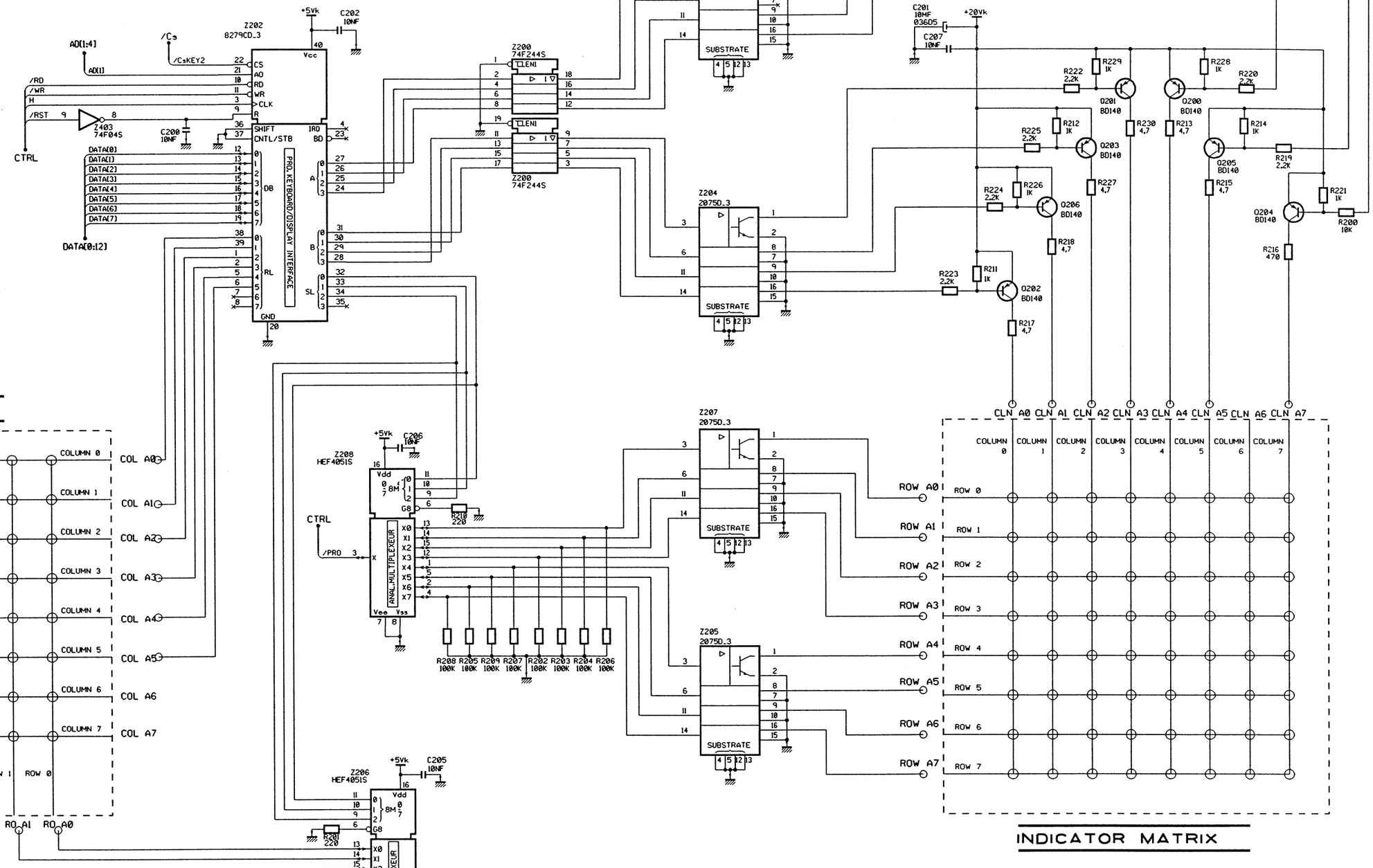


LOW KEY

TTV 9200 3A 967 997 030	**KEYBOARD P.C.B**	**SD2 (4/8)**
THOMSON		

KEYS MATRIX



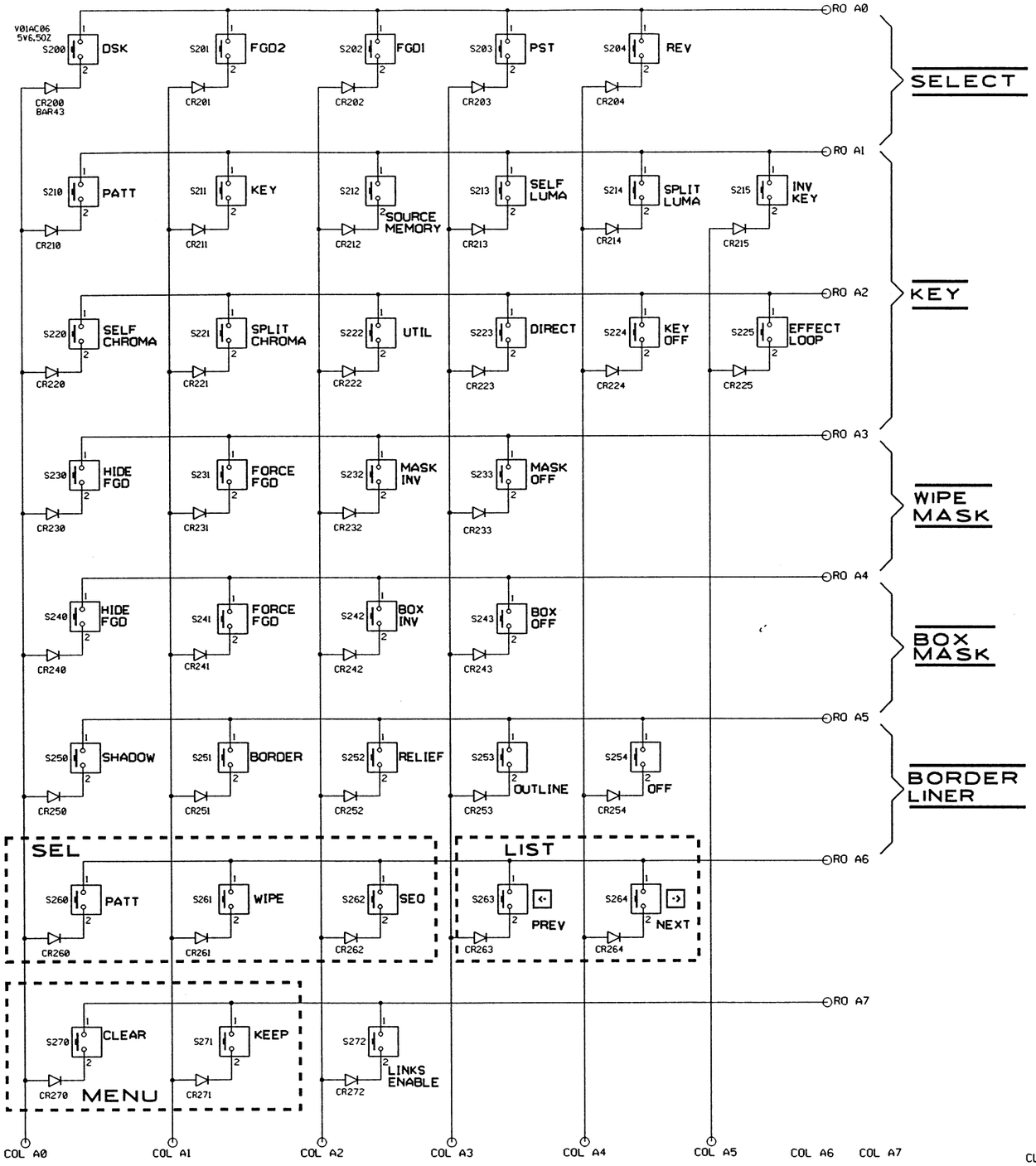


INDICATOR MATRIX

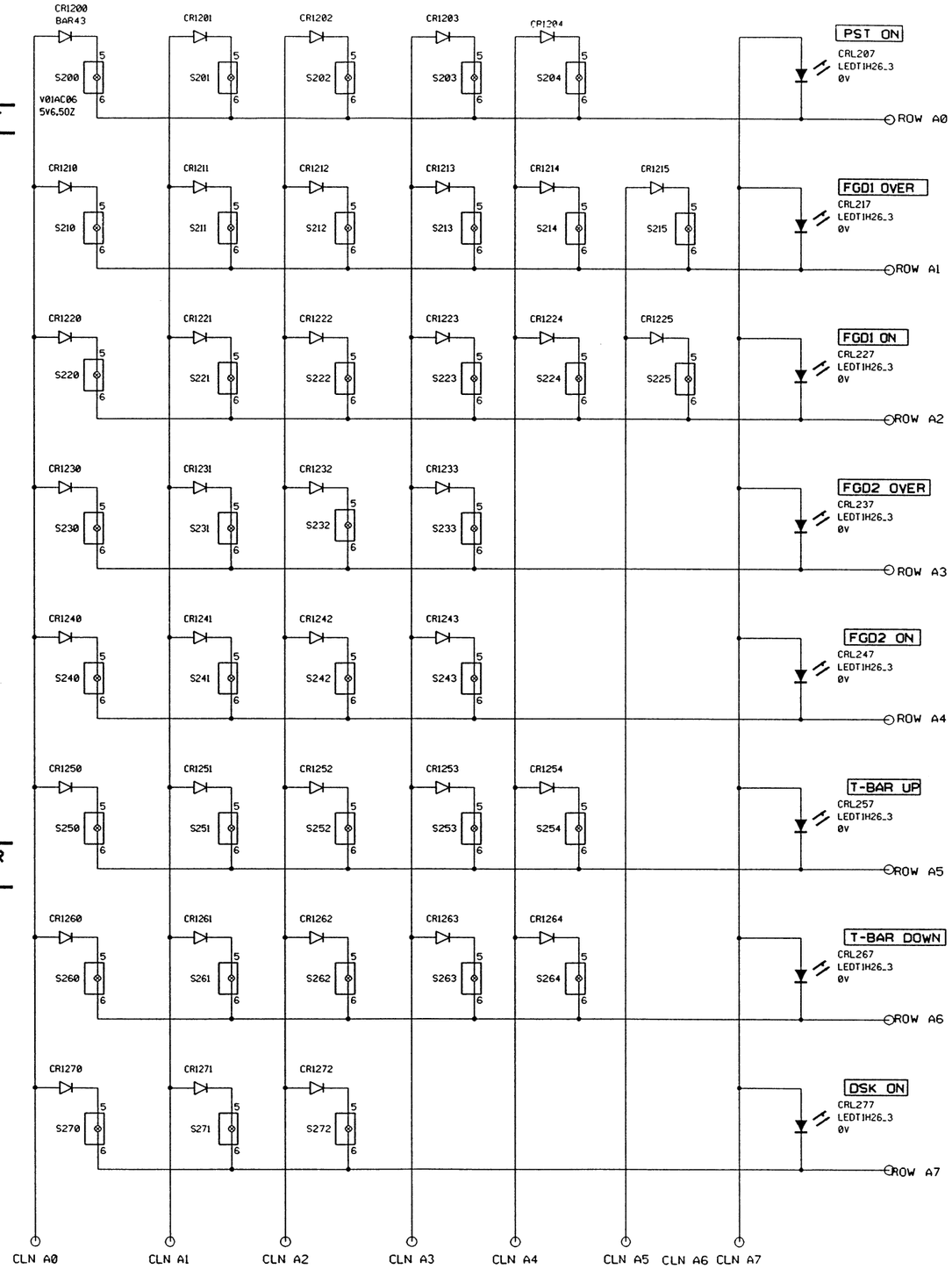
MIDDLE KEY

TTV 9200 3A 967 997 030	**KEYBOARD P.C.B**	**SD2 (5/8)**
THOMSON		

KEY MATRIX



INDICATOR MATRIX



MIDDLE KEY

TTV 9200 3A 967 997 030	**KEYBOARD P.C.B**	**SD2 (6/8)**
THOMSON		

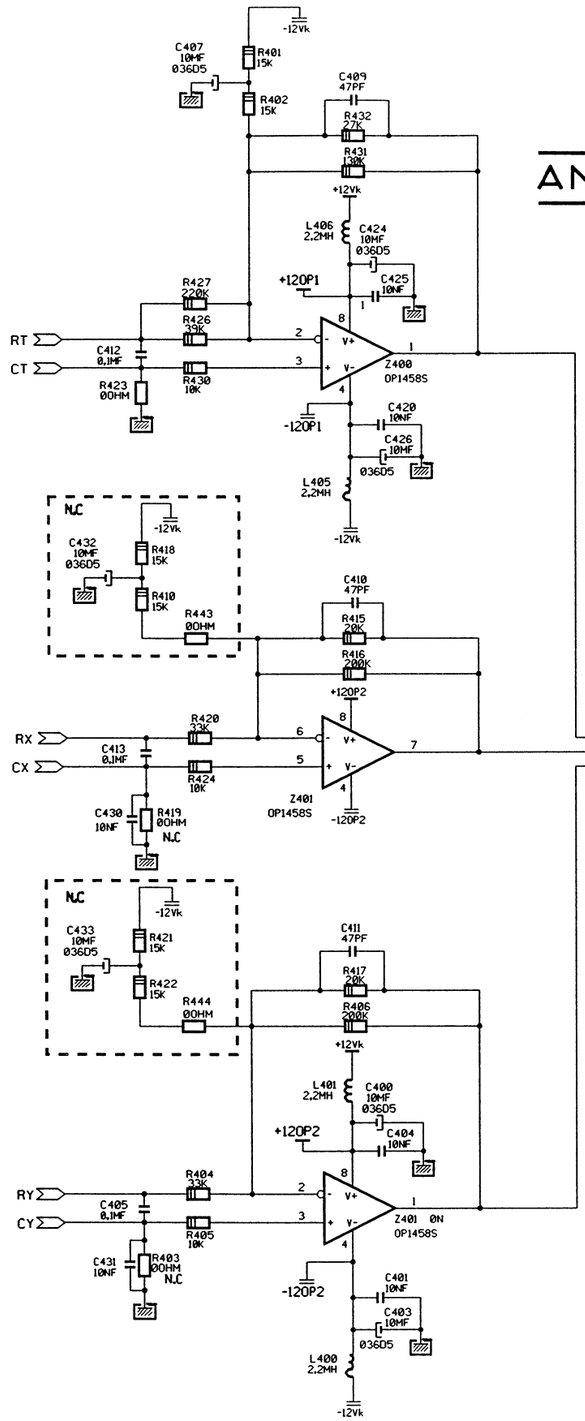
T BARRE

X AXIS

Y AXIS

ANALOG

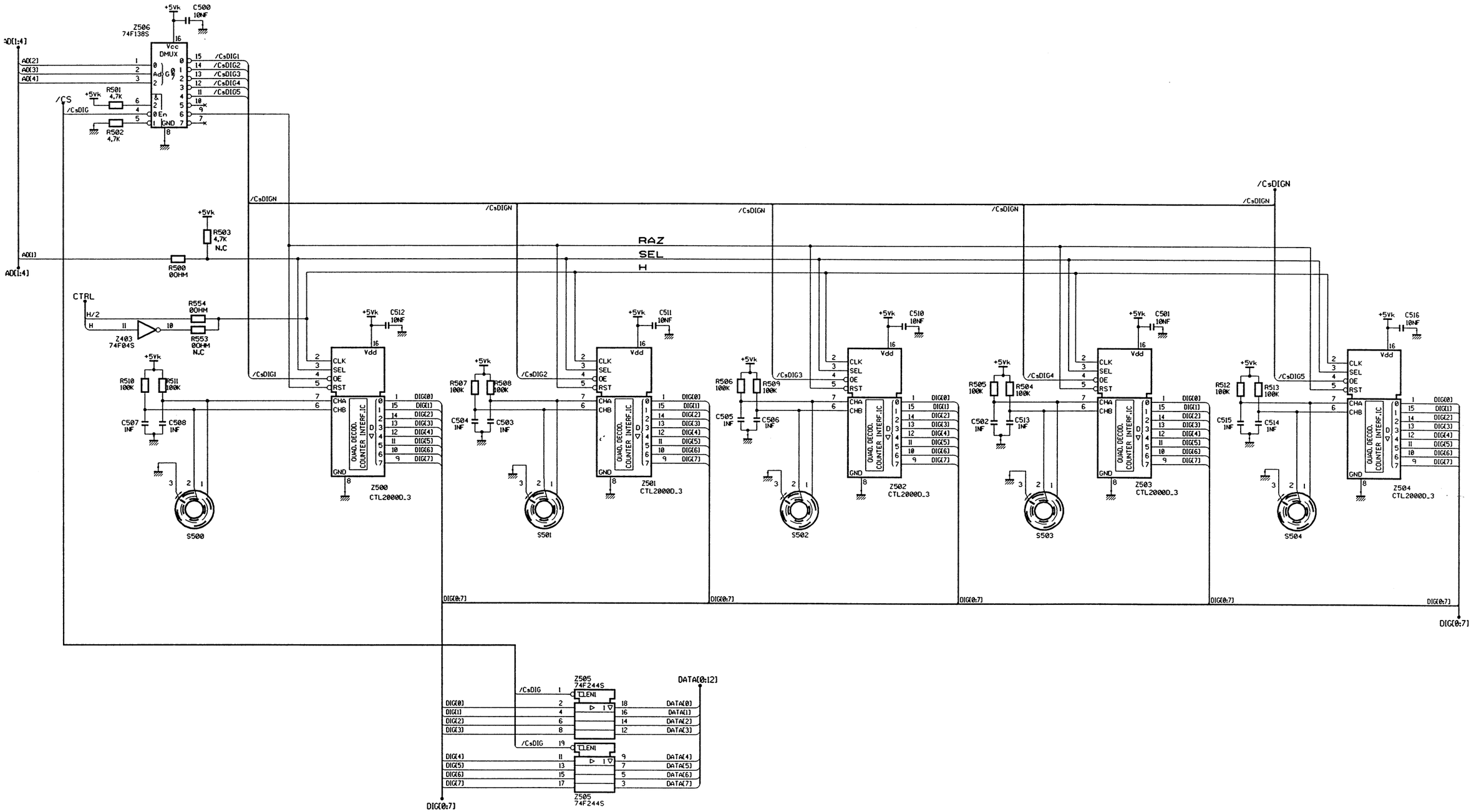
DIGITAL



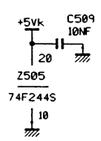
GND
GND ANALOG
RESISTOR RC3715 1%
RESISTOR RCC0805 5%

TTV 9200 3A 967 997 030	KEYBOARD P.C.B	SD2 (7/8)
THOMSON		

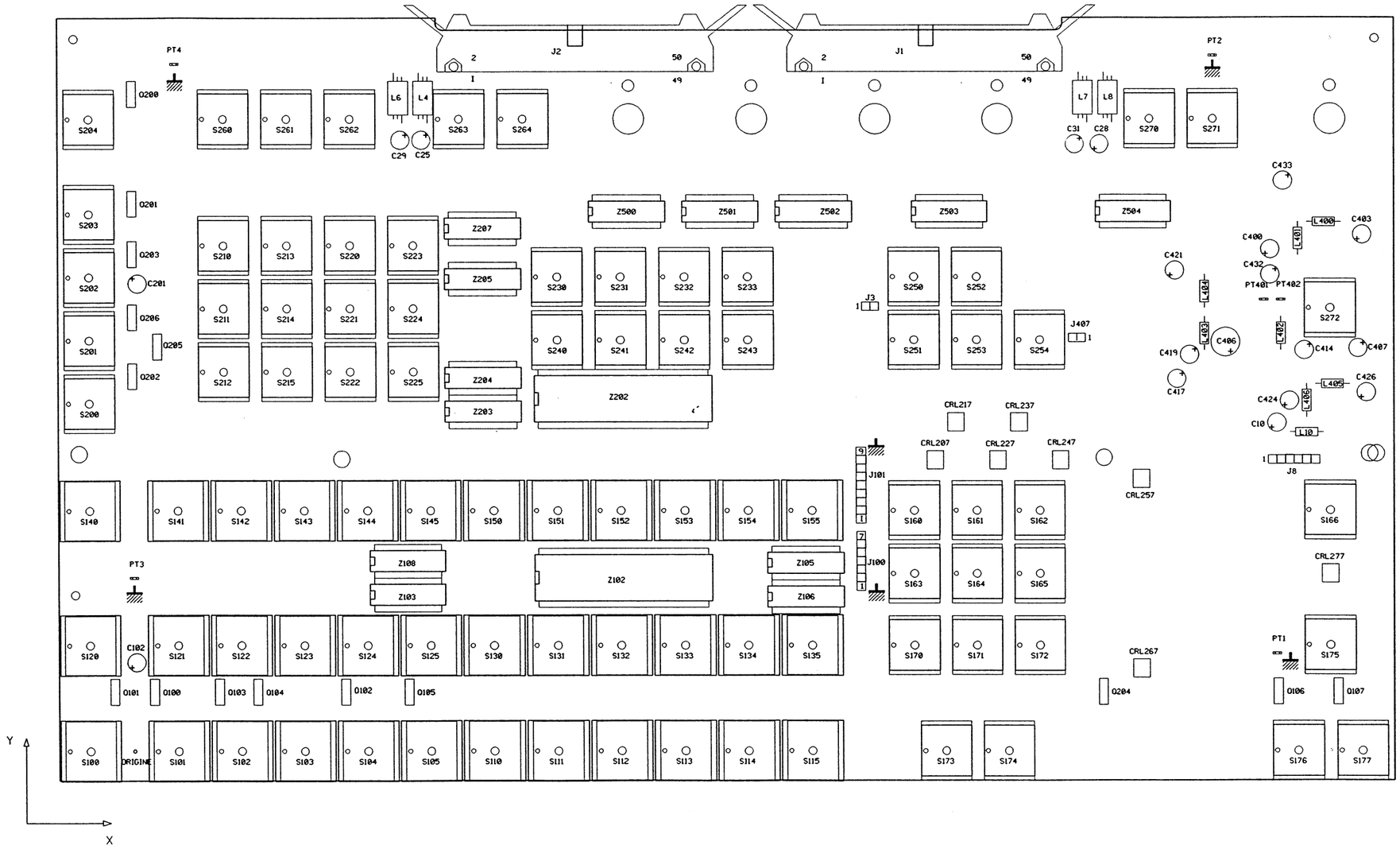
DIGIPOTS SELECT



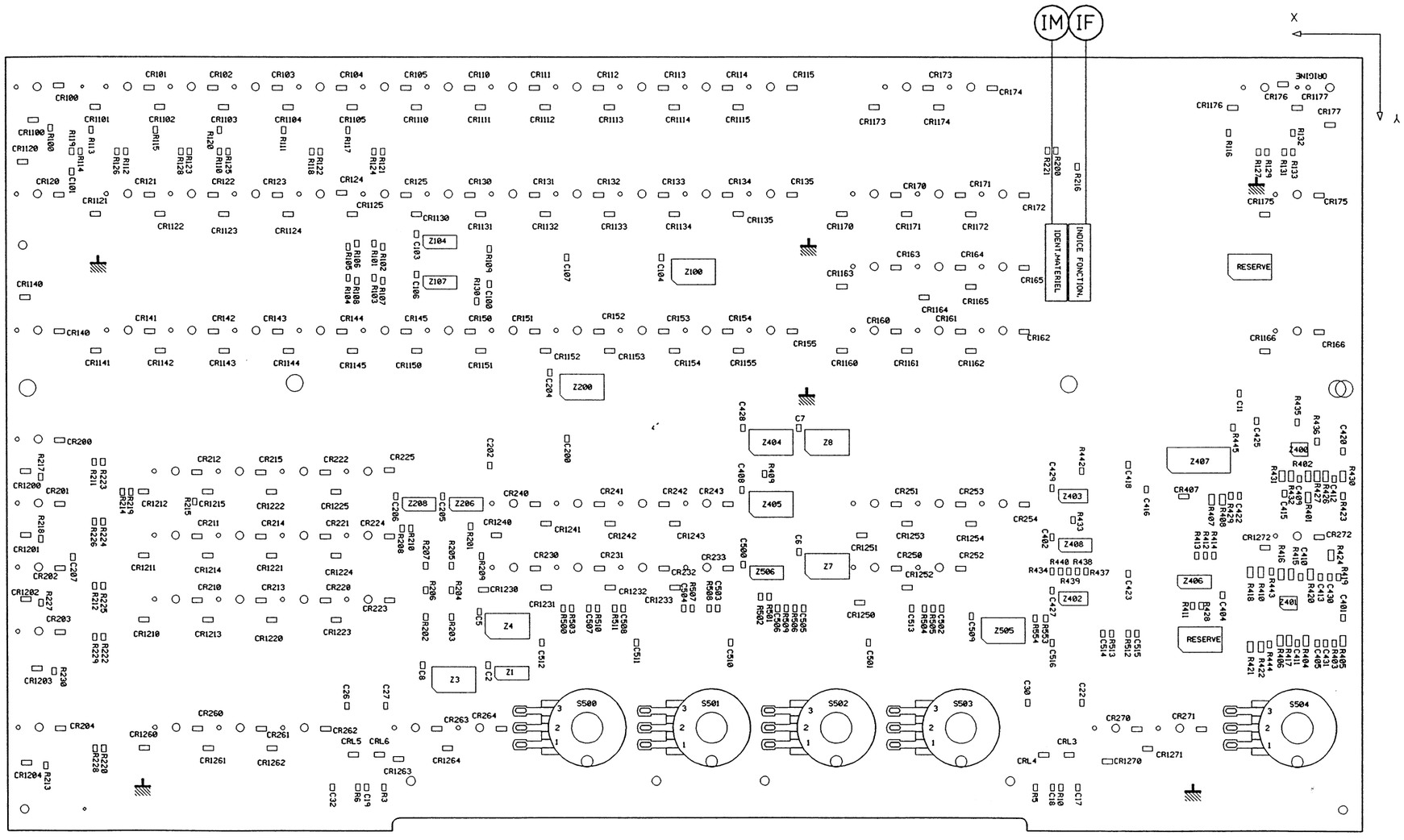
DIGIPOTS



TTV 9200 3A 967 997 030	**KEYBOARD P.C.B**	**SD2 (8/8)**
THOMSON		



TTV 9200	KEYBOARD P.C.B	LD2 (1/2)
3A 967 997 046		
THOMSON		



TTV 9200	KEYBOARD P.C.B	LD2 (2/2)
3A 967 997 046		
THOMSON		

DATA BUS

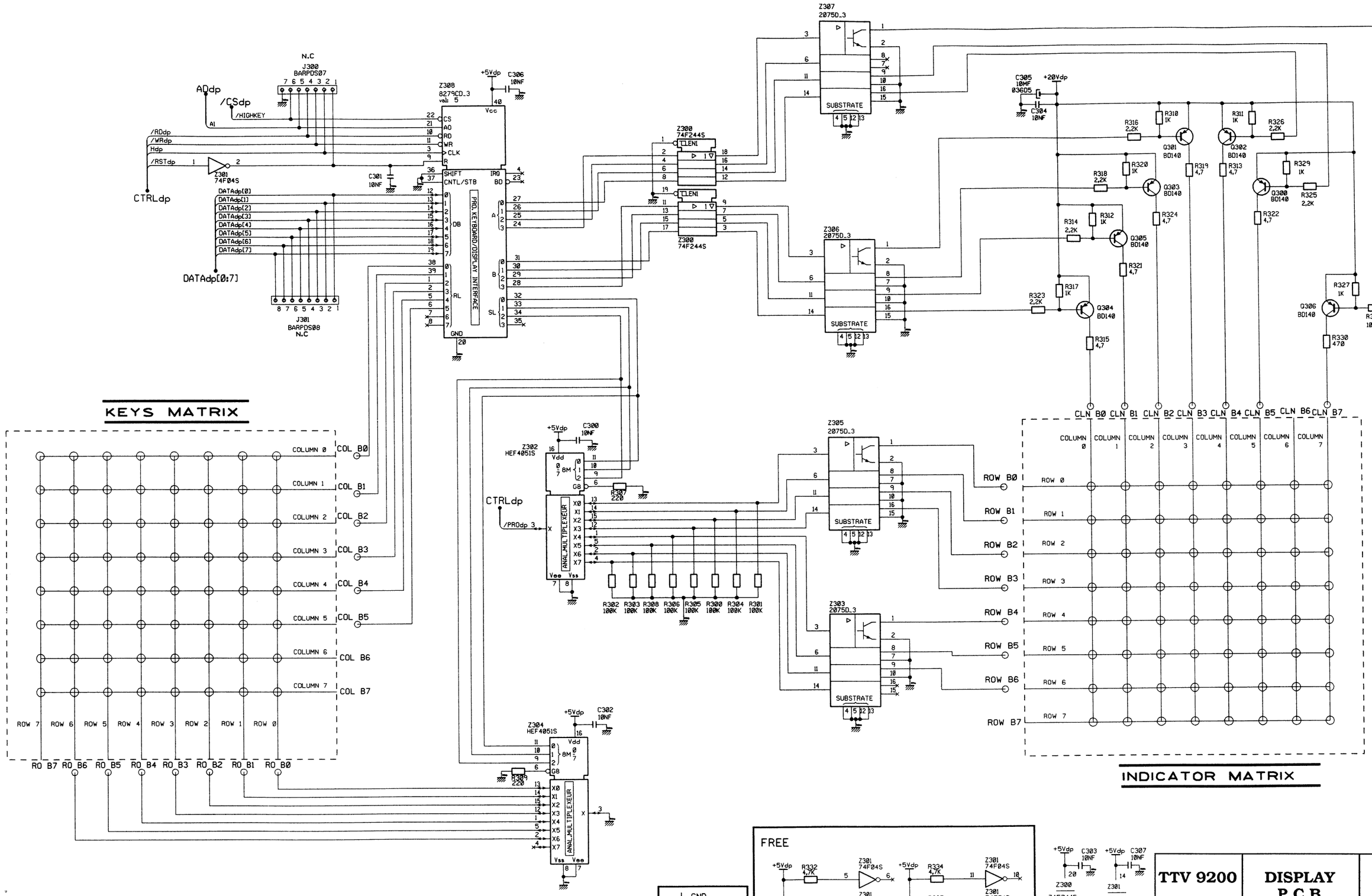
CONTROL BUS

DISPLAY SUPPLY

SCREEN CONTROL

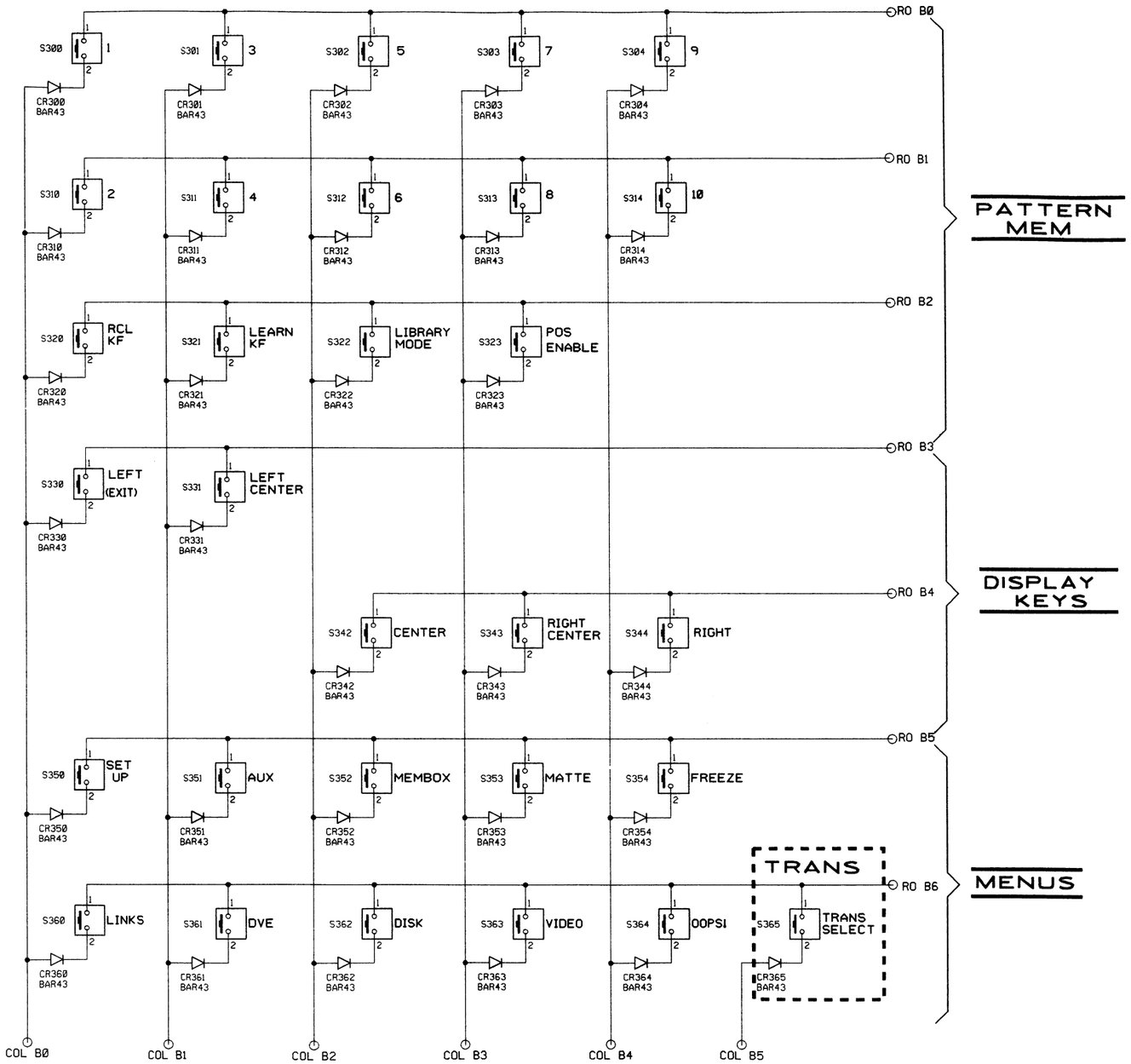
SCREEN SUPPLY

TTV 9200 4A 15 00 56 030	DISPLAY P.C.B	SD3 (1/3)
THOMSON		

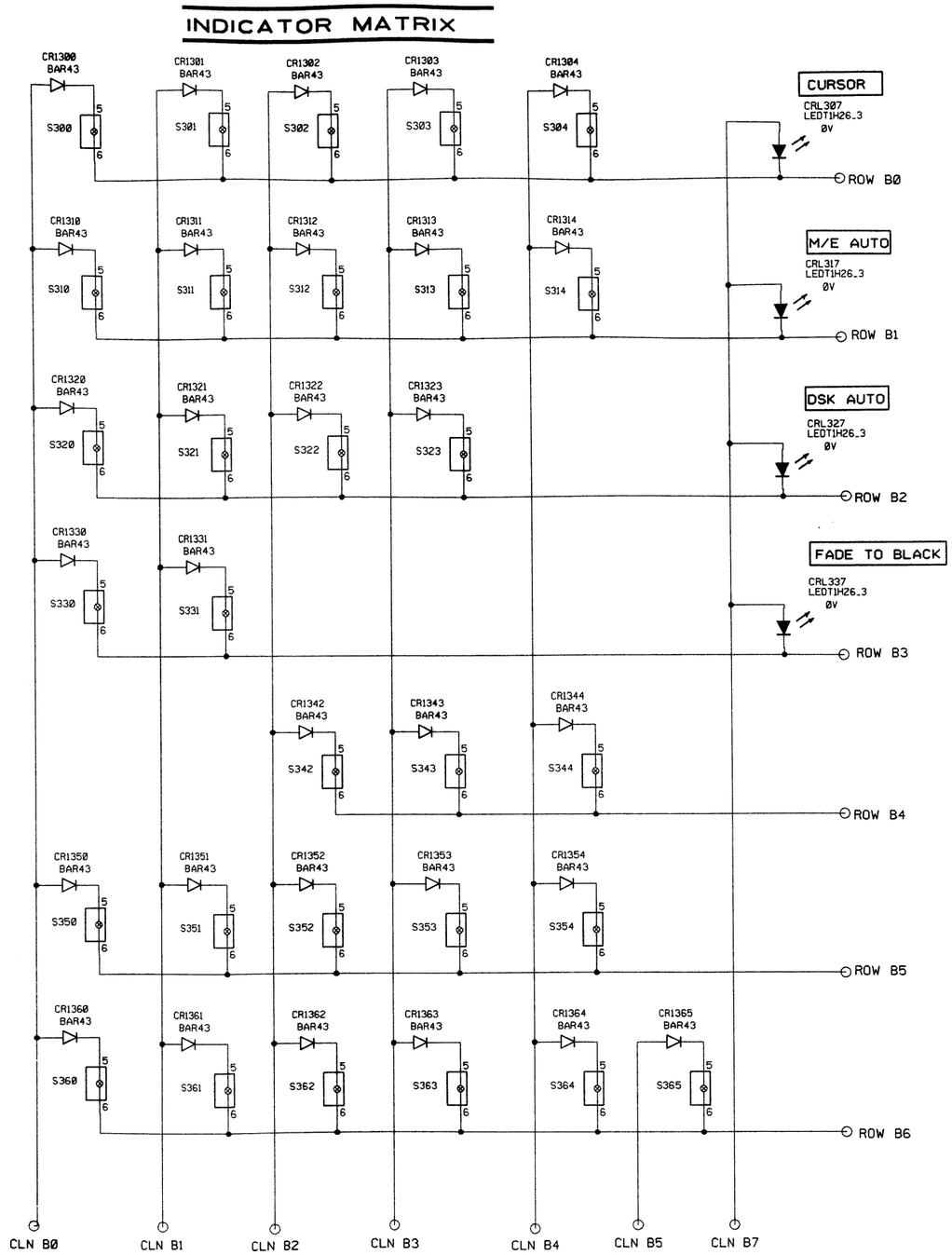


TTV 9200	**DISPLAY P.C.B**	**SD3 (2/3)**
4A 15 00 56 030		
THOMSON		

KEY MATRIX

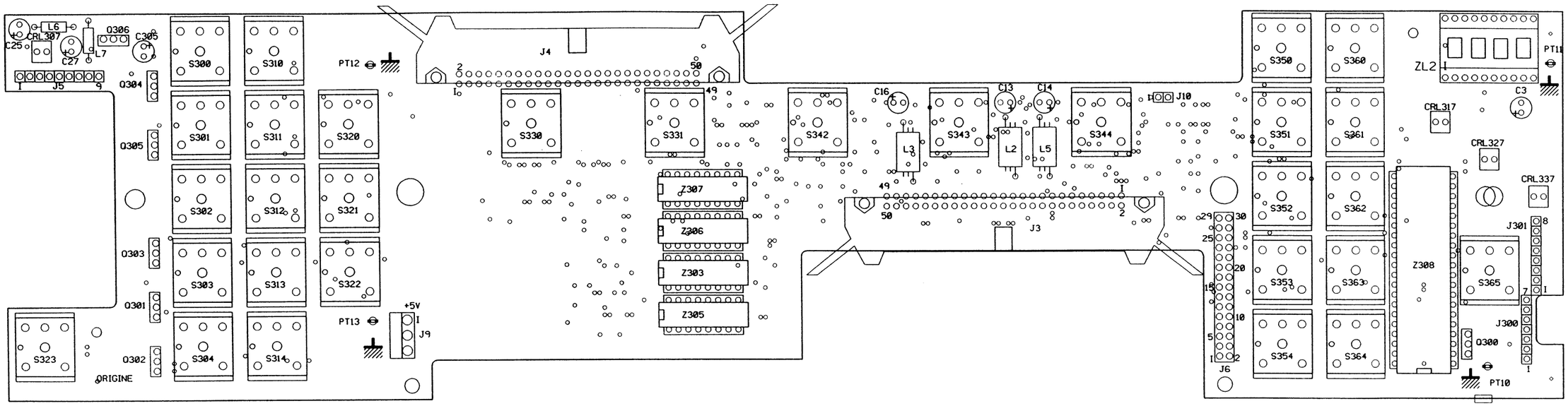


INDICATOR MATRIX

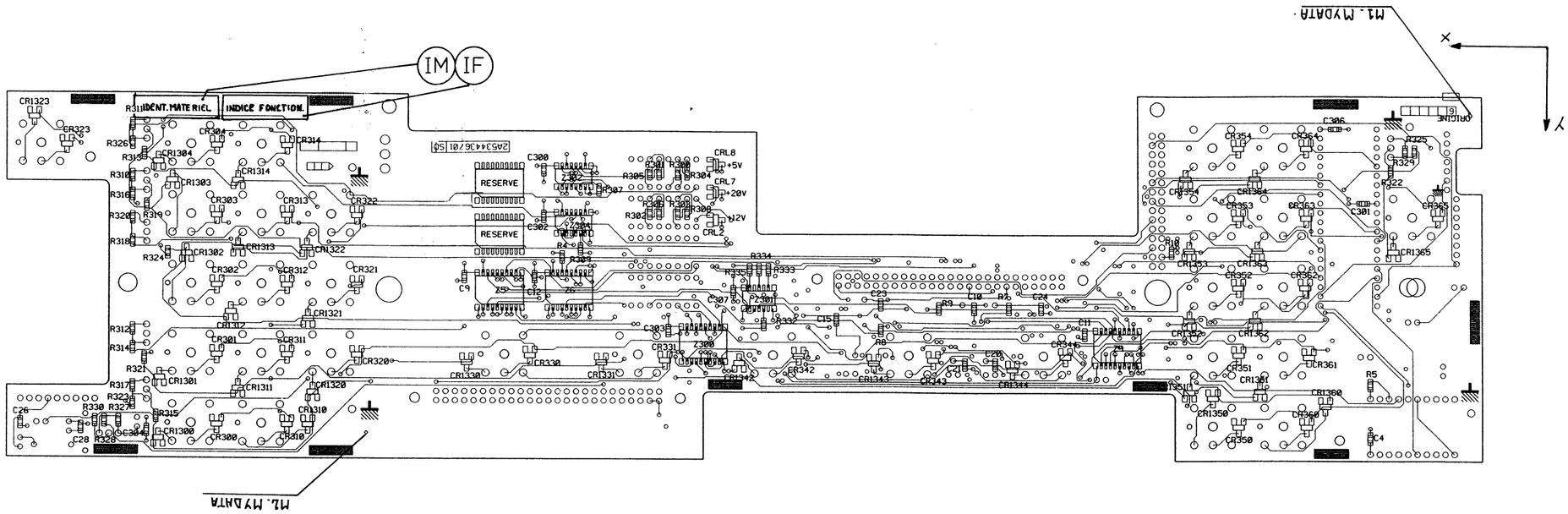


DISPLAY KEY

TTV 9200	DISPLAY P.C.B	SD3 (3/3)
4A 15 00 56 030		
THOMSON		



TTV 9200	DISPLAY P.C.B	LD3 (1/2)
4A 15 00 56 046		
THOMSON		



TTV 9200	DISPLAY P.C.B	LD3 (2/2)
4Λ 15 00 56 046		
THOMSON		

MASTER CPU

PROM BANK

RAM BANK

IMP

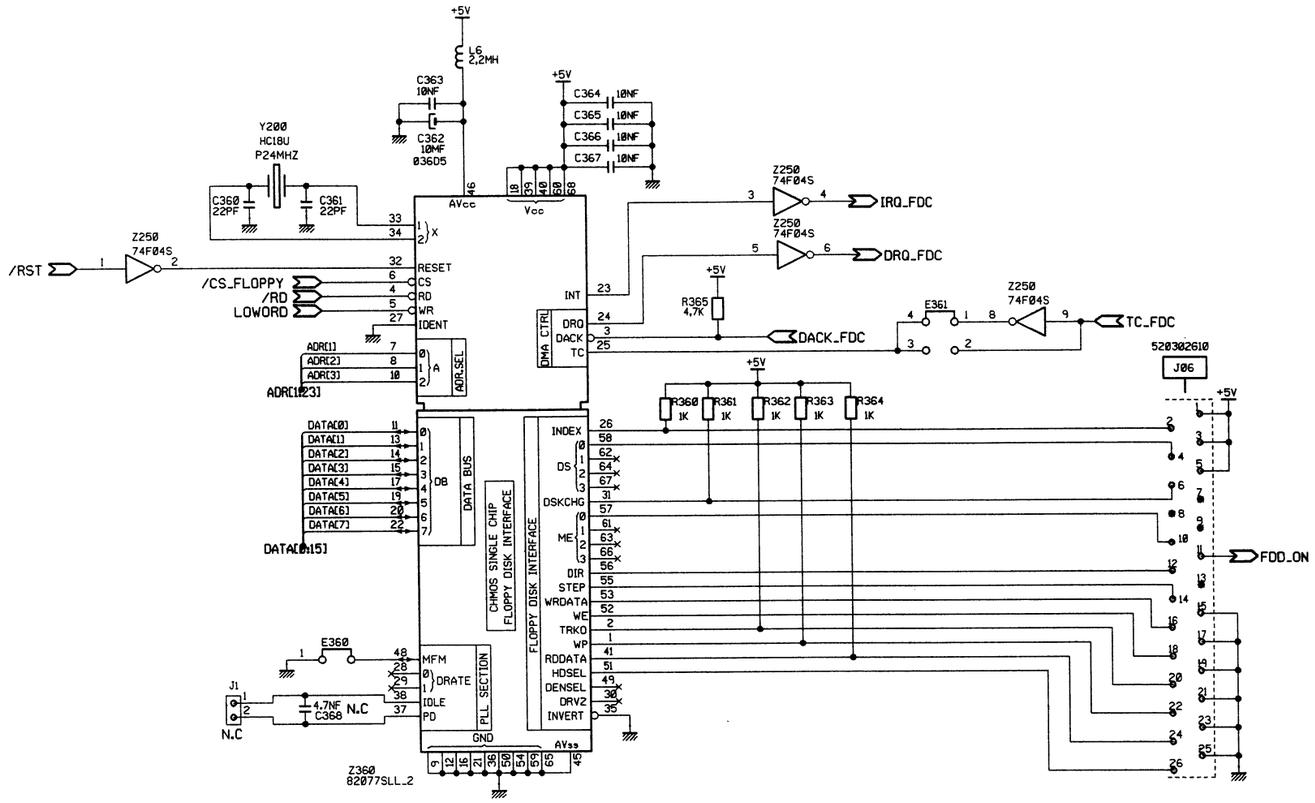
RESET

BUZZER

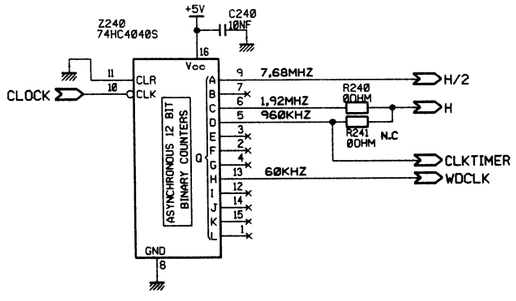
TIMER

TTV 9200	**CPU P.C.B**	**SD4 (1/4)**
3A 967 998 030		
THOMSON		

FLOPPY DISK CONTROLLER

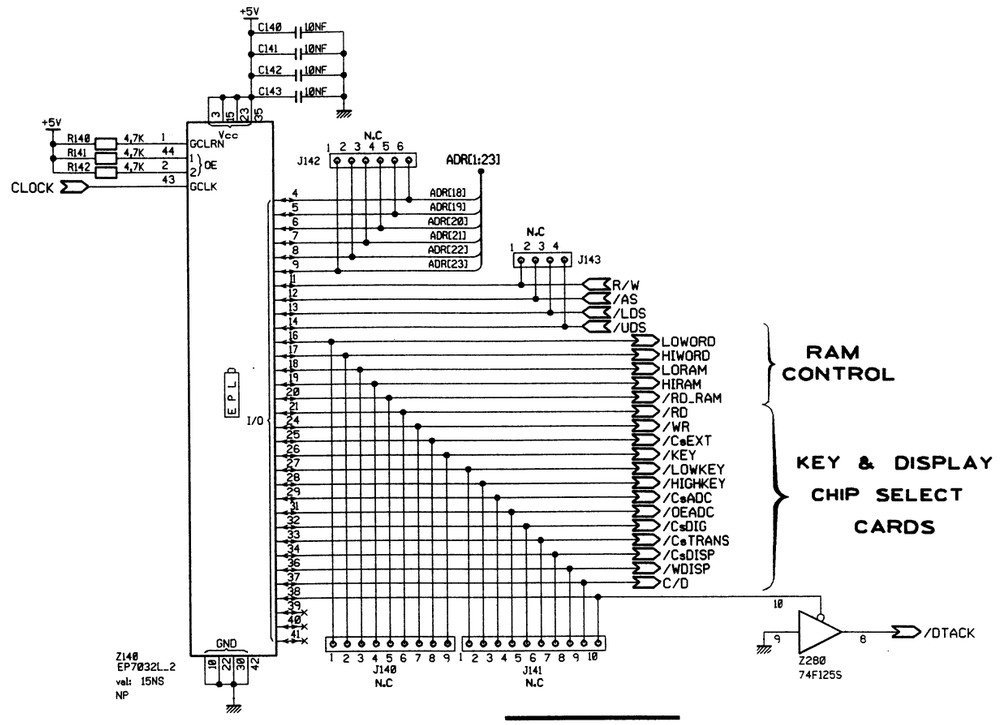


CLOCKING

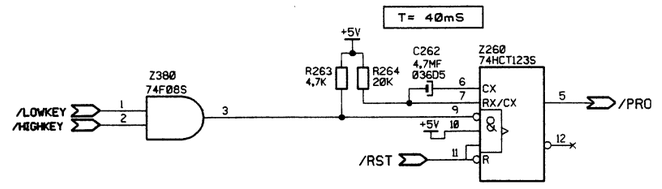


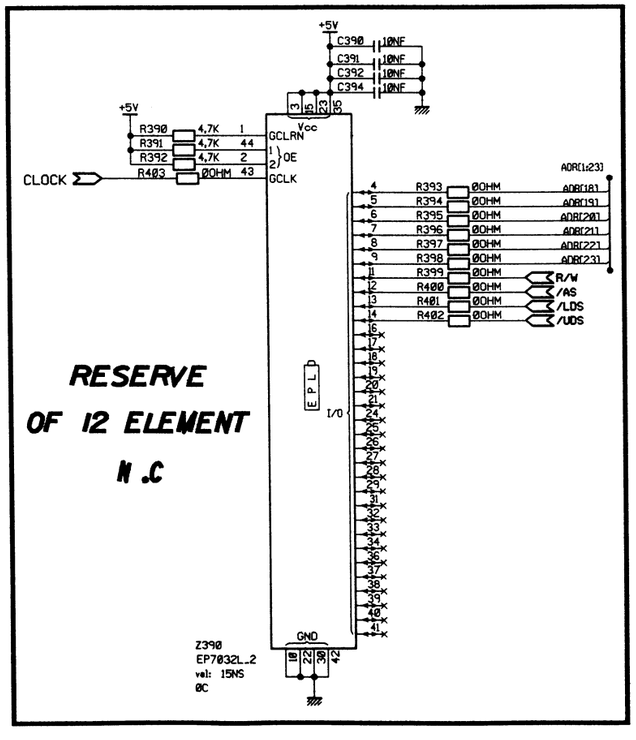
PERIPHERALS

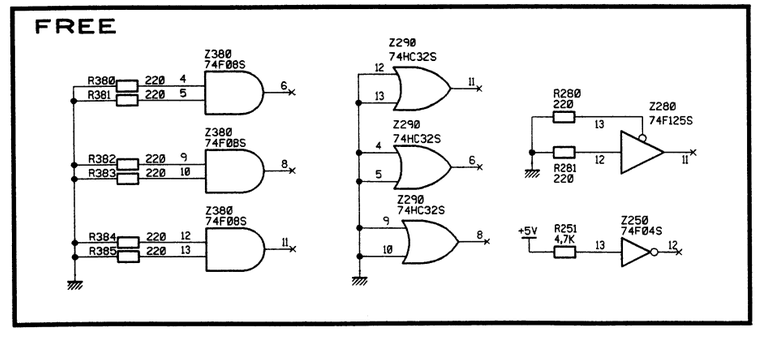
DECODING

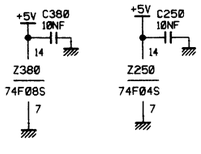


DECODING





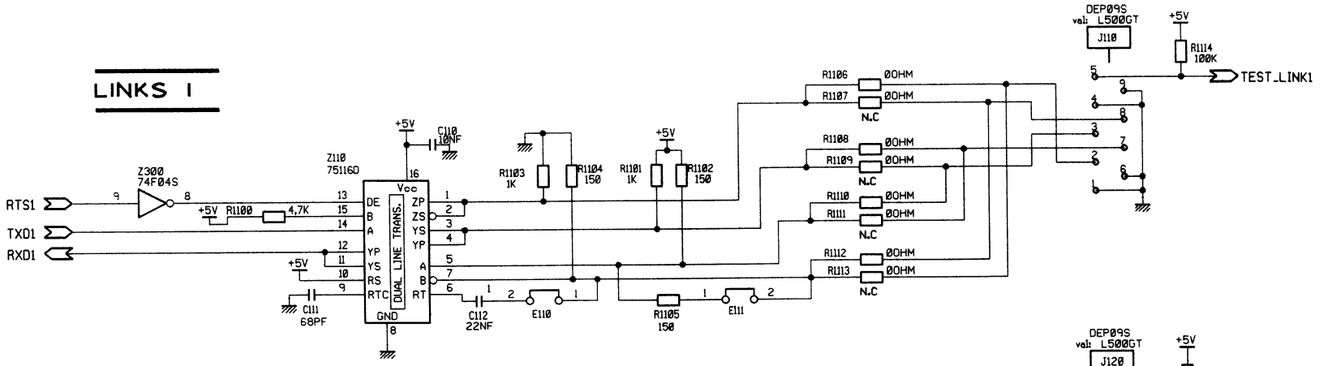




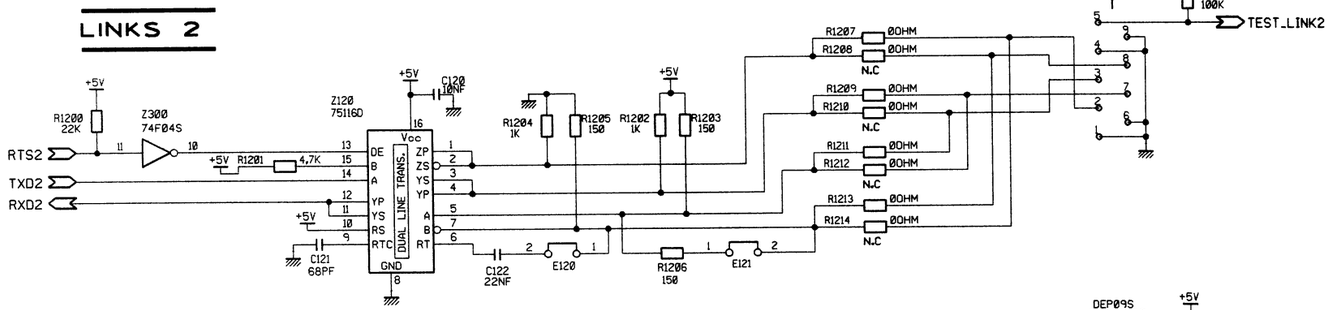
TTV 9200	CPU P.C.B	SD4 (2/4)
3A 967 998 030		
THOMSON		

LINKS INTERFACE

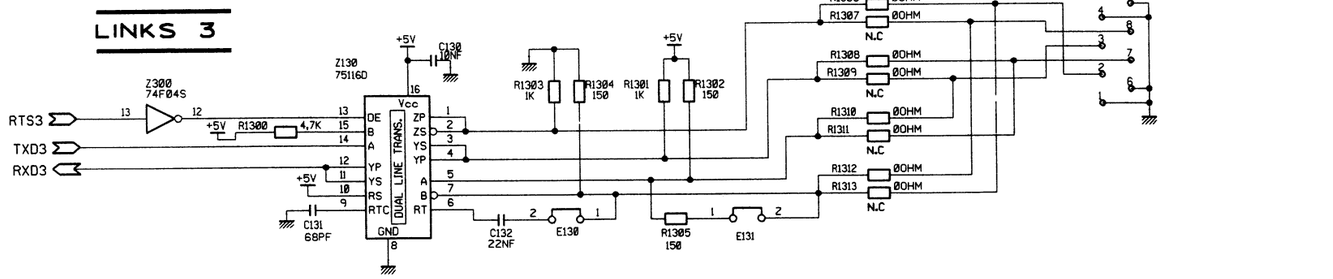
LINKS 1



LINKS 2

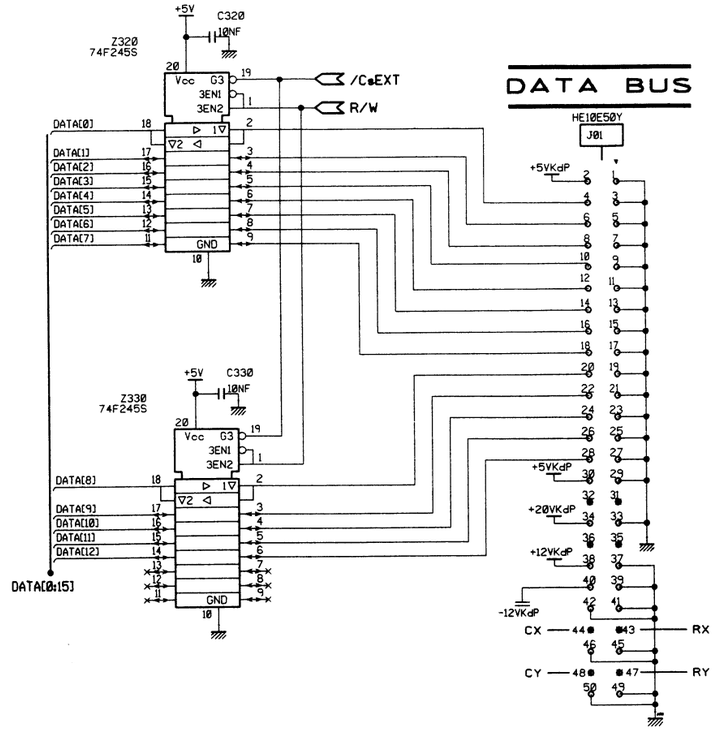


LINKS 3

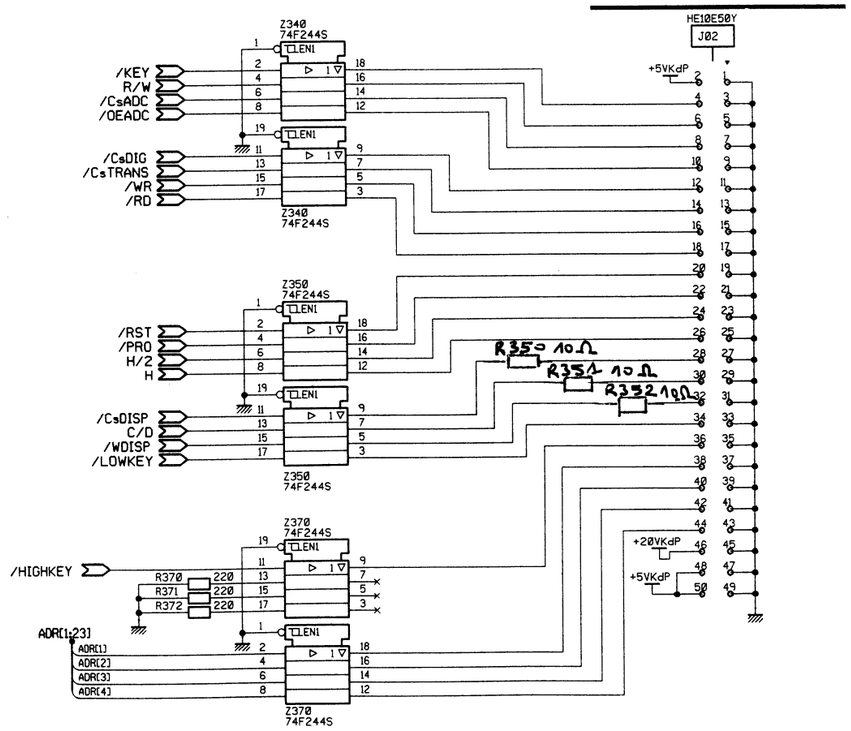


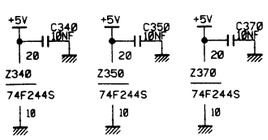
COMMUNICATION

DATA BUS



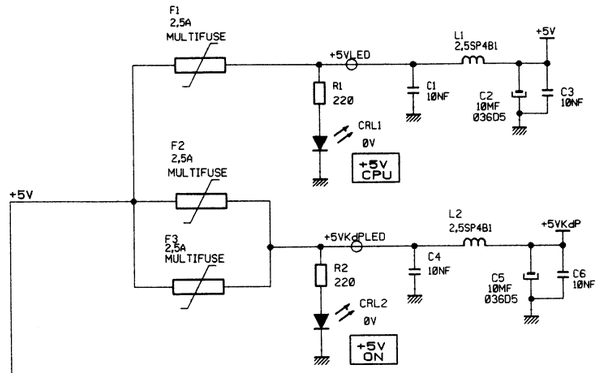
CONTROL BUS



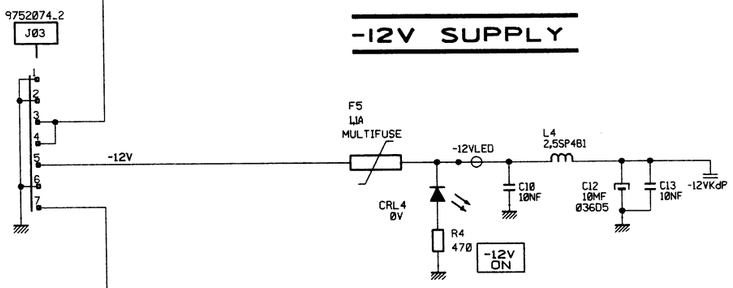


TTV 9200 3A 967 998 030	**CPU P.C.B**	**SD4 (3/4)**
THOMSON		

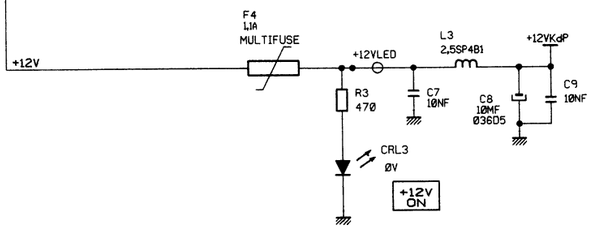
+5V SUPPLY



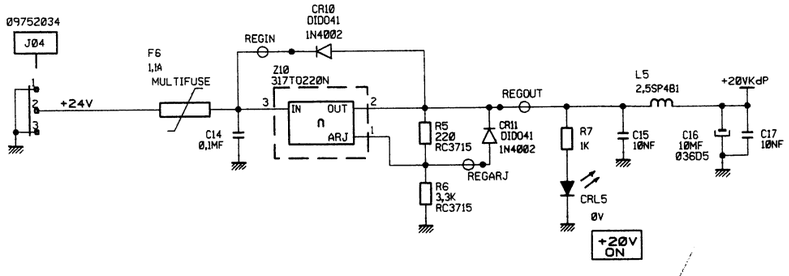
-12V SUPPLY



+12V SUPPLY

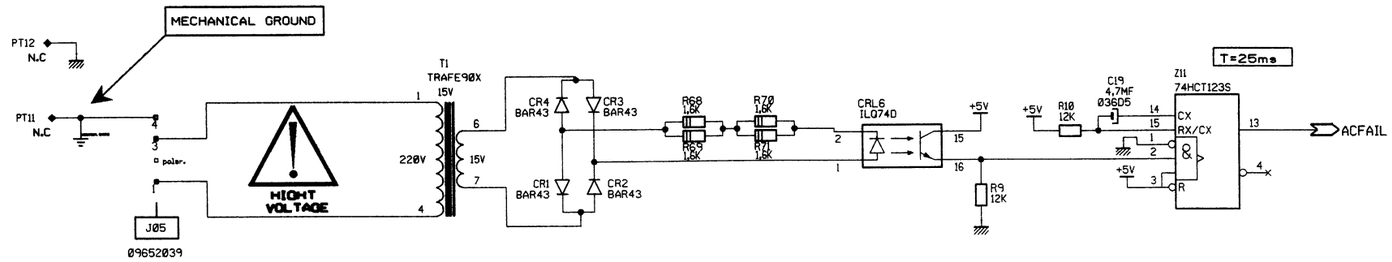


+20V SUPPLY

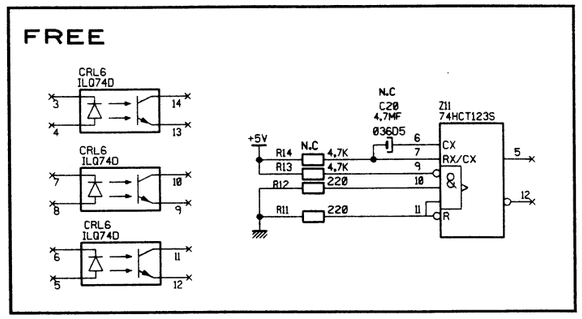


SUPPLY

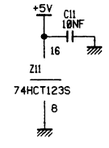
POWER FAIL DETECTION



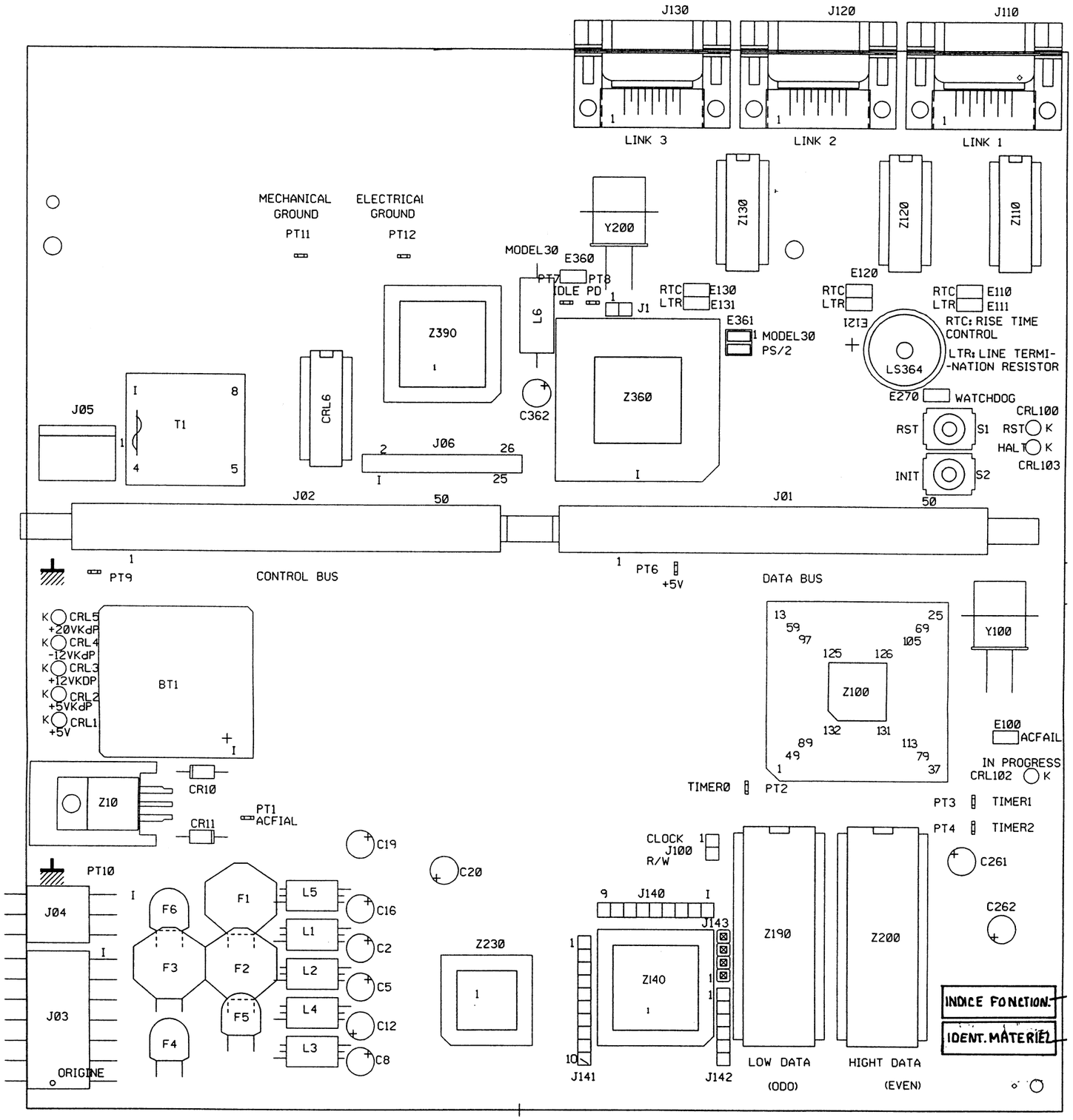
FREE



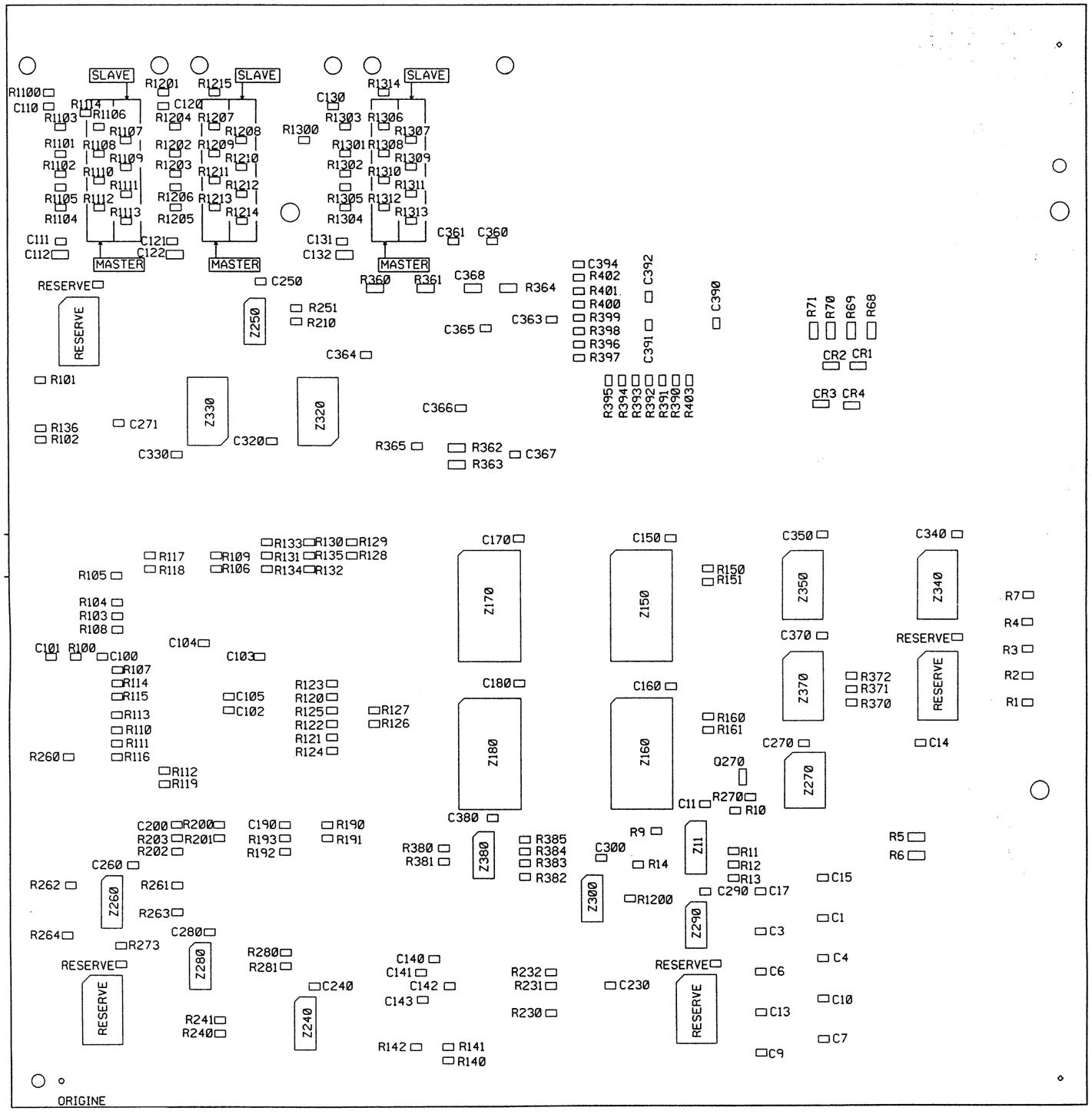
RESISTOR RC3715 1%
RESISTOR RC0805 5%



TTV 9200	CPU P.C.B	SD4 (4/4)
3A 967 998 030		
THOMSON		



TTV 9200 3A 967 998 046	**CPU P.C.B**	**LD4 (1/2)**
THOMSON		



TTV 9200	CPU P.C.B	LD4 (2/2)
3A 967 998 046		
THOMSON		

39967996 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
			RAIDISSEUR	39961883
16			LAME DE RESSORT	39961936
25		ENTRETOISE	LAME DE RESSORT	39961940
19			FILTRE AFFICHEUR NUMERIQUE	39965117
18			FILTRE AFFICHEUR	39965118
			DOIGT DE CENTRAGE	39965146
			DOUILLE	39965148
			TRAVERSE AVANT	39965153
			TRAVERSE CENTRALE	39965154
			TRAVERSE ARRIERE	39965155
13			RESSORT	39965160
350			DOUILLE GUIDE AVANT	39965161
60			LEVIER DROIT	39965163
12			BARRETTE	39965165
190			BUTEE	39965171
210			BRAS	39965172
345			DOUILLE GUIDE ARRIERE	39965175
235			BUTEE CI CPU	39965177
65			LEVIER GAUCHE	39965178
14			BRIDE CI KEY	39965179
10			CHASSIS	39965182
17			CHARNIERE	39965185
			RAIDISSEUR	39965187
15			CHASSIS MARQUE	39965190
10			PLATINE INCLINEE MARQUEE	39965191
40			PLATINE CENTRALE MARQUEE	39965192
365			ETIQUETTE ASSEMBLEE	39965201
70			ATTACHE EQUIPEE	39965211
10			BUTEE	39965229
24			LAME RESSORT ALIM	39965241
11			PATIN	39965301
21			CALE	47018025
		COLLE	3520 B/A C.STRUCT. TRANSP. 3M	91299716
		ECROU	CLS-M3-1 ACIER INOX PASSIVE	91353387
		ECROU	AC-M4-2	91440828
360		PIED	131 240 23	91554677
10		BARRETTE TARAUDEE	171A00101S 84TE	91589741
10		ECROU	C4844B	99034816
		GOUJON	M3X6 (ACIER)	T1002513
		GOUJON	M3X12(ACIER)	T1002516
		GOUJON	M4X8 (ACIER)	T1002520
		GOUJON	M4X10(ACIER)	T1002521
		GOUJON	M4X16(ACIER)	T1002523
22		RESSORT	T.050.060.0200.A	T1002593
		COSSE	LCD 6,35 90° ACIER CUIVRE	T1002638
ENT126		ENTRETOISE TARAUDEE	ENISO1 LG.10	99047846
ENT127		ENTRETOISE TARAUDEE	ENMET12 LG.10	99069640
VIS205		CIRCLIPS	864-040-09	91307501
VIS130		RONDELLE	M3U A4-50 PASSIVE	99012770
VIS25		RONDELLE	M4U A4-50 PASSIVE	99012771
VIS196		RIVET	TAP/D/33/BS	99033545
VIS145		ECROU	C4844B	99034816
VIS285		RONDELLE	520401-80	99051636
VIS80		RONDELLE	520301-80	99051638
VIS85		ECROU	H M3 U INOX A4 PASSIVE	99059912
VIS200		ECROU	H M4 U INOX A4 PASSIVE	99059913
VIS120		VIS	C M3X8/8 U INOX.A4 PASS.	99060924
VIS24		VIS	C M4X6/6 U INOX A4 PASSIVE	99060927
VIS125		VIS	C M3X25/25 U INOX.A4 PASS.	99107012
VIS195		RIVET	SS/D/43/SS	T1003010
VIS23		VIS	CHC M2.5X6 INOX A2-70 NOIR	T6000080
VIS355		VIS	F/90+ PHILIPS M3X10 NOIR	T6000205

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3A967997 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	20	VIS	SIM SP TETE PAN POZIDRIV	91379265
	8	ISOLATEUR	ISOLANT ADHESIF	96103322
CAPACITOR				
C	10 25 28 29 31 102 201 400 403 407 414 417 419 421 424 426	CONDENSATEUR FIXE	036-58-109 10 MF +-20% 63V	91555165
C	406	CONDENSATEUR FIXE	036-90-011 47 MF +-20% 50V	91620212
C	409 410 411	CONDENSATEUR CHIPS	CC0805B-1CG 47 PF 5% 100V	99187401
C	2 5 6 7 8 11 17 18 19 22 26 27 30 32 100 101 103 104 106 107 200 202 204 205 206 207 401 402 404 408 415 416 418 420 423 425 427 428 429 430 431 500 501 509 510 511 512 516	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	422 502 503 504 505 506 507 508 513 514 515	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	405 412 413	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
DIODE				
CR	100 101 102 103 104 105 110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144 145 150 151 152 153 154 155 160 161 162 163 164 165 166 170 171 172 173 174 175 176 177 200 201 202 203 204 210 211 212 213 214 215 220 221 222 223 224 225 230 231 232 233 240 241 242 243 250 251 252 253 254 260 261 262 263 264 270 271 272 407 1100 1101 1102 1103 1104 1105 1110 1111 1112 1113 1114 1115 1120 1121 1122 1123 1124 1125 1130 1131 1132 1133 1134 1135 1140 1141 1142 1143 1144 1145 1150 1151 1152 1153 1154 1155 1160 1161 1162 1163 1164 1165 1166 1170 1171 1172 1173 1174 1175 1176 1177 1200 1201 1202 1203 1204 1210 1211 1212 1213 1214 1215 1220 1221 1222 1223 1224 1225 1230 1231 1232 1233 1240 1241 1242 1243 1250 1251 1252 1253 1254 1260 1261 1262 1263 1264 1270 1271 1272	DIODE CMS	BAR43 SOT23 [D95]	T1002188
LED				
	CRL207 217 227 237 247 257 267 277	DIODE ELECTROLUMINESCENTE	HLMP-1503 VERT (D.3MM)	91551019
	CRL3 4 5 6	DIODE ELECTROLUMINESCENTE CMS	LGS260-DO VERTE	91613459
	CRL207A 217A 227A 237A 247A 257A 267A 277A	SUPPORT DE LED	319 99 102 01 637	T1002644
CONNECTOR (FIXED)				
J	8A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
J	1A 2A	RIVET	1107-03-12	91561364
J	1 2	CONNECTEUR	HE1001EM50V022B	99113797
INDUCTOR				
L	4 6 7 8	INDUCTANCE	BOB.2.5 SPIRES-4B1 (VK200)	99006874
L	400 401 402 403 404 405 406	INDUCTANCE	TR021 2,2 MICROHENRYS +-10%	99100014
L	10	INDUCTANCE	TR021 100 MICROHENRYS 2%	T9000516
	PT 1 2 3 4 401 402	PLOT	20-2136J	91367355
TRANSISTOR				
Q	100 101 102 103 104 105 106 107 200 201 202 203 204 205 206	TRANSISTOR	BD140 TO126	99085929
RESISTOR				
R	5 10 216	RESISTANCE CHIPSE	RR0805 470 OHMS 5% 1/10W K250	99180458
R	112 114 121 122 123 125 129 133 219 220 222 223 224 225	RESISTANCE CHIPSE	RR0805 2,2 KOHMS 5% 1/10W K250	99180463
R	6 110 118 119 124 126 127 128 131 211 212 214 221 226 228 229	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	101 102 103 104 105 106 107 108 202 203 204 205 206 207 208 209 504 505 506 507 508 509 510 511 512 513	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	200 435 436	RESISTANCE CHIPSE	RR0805 10 KOHMS 5% 1/10W K250	99180481
R	3 109 130 201 210 414 428 429 437 438 439 440	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	412 413 433 434 442 501 502	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	409 411 423 445 500 554	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	100 111 113 115 116 117 120 132 213 215 217 218 227 230	RESISTANCE CHIPSE	RR0805 4,7 OHMS 10% 1/10W K250	99180580
R	407	RESISTANCE CHIPSE	RC3715 51 OHMS 1% 1/4W K50	T9000200
R	408	RESISTANCE CHIPSE	RC3715 100 OHMS 1% 1/4W K50	T9000206
R	405 424 430	RESISTANCE CHIPSE	RC3715 10 KOHMS 1% 1/4W K50	T9000251
R	401 402	RESISTANCE CHIPSE	RC3715 15 KOHMS 1% 1/4W K50	T9000255
R	415 417	RESISTANCE CHIPSE	RC3715 20 KOHMS 1% 1/4W K50	T9000258
R	432	RESISTANCE CHIPSE	RC3715 27 KOHMS 1% 1/4W K50	T9000260
R	404 420	RESISTANCE CHIPSE	RC3715 33 KOHMS 1% 1/4W K50	T9000262
R	426	RESISTANCE CHIPSE	RC3715 39 KOHMS 1% 1/4W K50	T9000264
R	431	RESISTANCE CHIPSE	RC3715 130 KOHMS 1% 1/4W K50	T9000277
R	406 416	RESISTANCE CHIPSE	RC3715 200 KOHMS 1% 1/4W K50	T9000281
R	427	RESISTANCE CHIPSE	RC3715 220 KOHMS 1% 1/4W K50	T9000282
SWITCH				
S	100 101 102 103 104 105 110 111 112 113 114 115 120 121 122 123 124 125 130 131 132 133 134 135 140 141 142 143 144 145 150 151 152 153 154 155	COMMUTATEUR A POUSSOIR	EQU.CBP L5VT1.3/4 0.72'F6,5 5P	47032012
S	160 161 162 163 164 165 166 170 171 172 173 174 175 176 177 200 201 202 203 204 210 211 212 213 214 215 220 221 222 223 224 225 230 231 232 233 240 241 242 243 250 251 252 253 254 260 261 262 263 264 270 271 272	COMMUTATEUR A POUSSOIR	EQU.CBP L5VT1.3/4 0.60'F6,5 5P	47032013
S	500A 501A 502A 503A 504A	BARRETTE DE RACCORDEMENT	75188-102-18-3	91371506
S	500 501 502 503 504	CODEUR ROTATIF	EWT-XAAS2550B	91598936
INTEGRATED CIRCUIT				
Z	104 107 206 208 406	CIRCUIT INTEGRE CMS	HEF4051BT SO16P -40+85	91529486
Z	500 501 502 503 504	CIRCUIT INTEGRE	HCTL-2000 D16P -40+85	91666132
Z	102 202	MICROPROCESSEUR	8279-5 D40P 0+70	99121229
Z	400 401	CIRCUIT INTEGRE CMS	1458 SO8P 0+70 (LM1458)	99141997
Z	403	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357
Z	408	CIRCUIT INTEGRE CMS	74F175 SO16P 0+70	99143527
Z	506	CIRCUIT INTEGRE CMS	74F138 SO16P 0+70	99143536
Z	1	CIRCUIT INTEGRE CMS	74F139 SO16P 0+70	99143537
Z	3 4 100 200 404 405 505	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	7 8	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	402	CIRCUIT INTEGRE CMS	74HC03 SO14P -40+85	99143794
Z	102A 202A	SUPPORT DE CIRCUIT INTEGRE	SCC1D40-Y3-C-B	T9001175
Z	103A 105A 106A 108A 203A 204A 205A 207A 500A 501A 502A 503A 504A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
Z	407	CIRCUIT INTEGRE CMS	ADC12 25US 1LSB SOL28P 0+70	T9001326
Z	103 105 106 108 203 204 205 207	RESEAU DE TRANSISTORS	ULN2075B D16P -20+85	T9001337

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4A150056 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	20	VIS	SIM SP TETE PAN POZIDRIV	91379265
CAPACITOR				
C	3 13 14 16 25 27 305	CONDENSATEUR FIXE	036-58-109 10 MF +-20% 63V	91555165
C	4 9 10 11 12 15 20 21 23 24 26 28 300 301 302 303 304 306 307	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
DIODE				
CR	300 301 302 303 304 310 311 312 313 314 320 321 322 323 330 331 342 343 344 350 351 352 353 354 360 361 362 363 364 365 1300 1301 1302 1303 1304 1310 1311 1312 1313 1314 1320 1321 1322 1323 1330 1331 1342 1343 1344 1350 1351 1352 1353 1354 1360 1361 1362 1363 1364 1365	DIODE CMS	BAR43 SOT23 [D95]	T1002188
LED				
	CRL307 317 327 337	DIODE ELECTROLUMINESCENTE	HLMP-1503 VERT (D.3MM)	91551019
	CRL2 7 8	DIODE ELECTROLUMINESCENTE CMS	LGS260-DO VERTE	91613459
	CRL307A 317A 327A 337A	SUPPORT DE LED	319 99 102 01 637	T1002644
CONNECTOR (FIXED)				
J	5A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
J	3A 4A	RIVET	1107-03-12	91561364
J	3 4	CONNECTEUR	HE1001EM50V022B	99113797
J	6	CONNECTEUR	ESW-113-34-G-D (EFD-2X13-Y3)	T1002492
J	9	CONNECTEUR	770218-3 (EFD-3-Y2)	T1002494
INDUCTOR				
L	2 3 5	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	6 7	INDUCTANCE	TR021 100 MICROHENRYS 2%	T9000516
	PT 10 11 12 13	PLOT	E06626-L2M	91382049
TRANSISTOR				
Q	300 301 302 303 304 305 306	TRANSISTOR	BD140 TO126	99085929
RESISTOR				
R	8 330	RESISTANCE CHIPSE	RR0805 470 OHMS 5% 1/10W K250	99180458
R	314 316 318 323 325 326	RESISTANCE CHIPSE	RR0805 2,2 KOHMS 5% 1/10W K250	99180463
R	9 310 311 312 317 320 327 329	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	300 301 302 303 304 305 306 308	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	328	RESISTANCE CHIPSE	RR0805 10 KOHMS 5% 1/10W K250	99180481
R	4 7 307 309	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	332 333 334 335	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	5 10	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	313 315 319 321 322 324	RESISTANCE CHIPSE	RR0805 4,7 OHMS 10% 1/10W K250	99180580
SWITCH				
S	300 301 302 303 304 310 311 312 313 314 320 321 322 323 330 331 342 343 344 350 351 352 353 354 360 361 362 363 364 365	COMMUTATEUR A POUSSOIR	EQU.CBP L5VT1.3/4 0.60'F6,5 5P	47032013
INTEGRATED CIRCUIT				
Z	302 304	CIRCUIT INTEGRE CMS	HEF4051BT SO16P -40+85	91529486
Z	308	MICROPROCESSEUR	8279-5 D40P 0+70	99121229
Z	301	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357
Z	5 6 300	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	9	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	308A	SUPPORT DE CIRCUIT INTEGRE	SCC1D40-Y3-C-B	T9001175
Z	303A 305A 306A 307A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
Z	303 305 306 307	RESEAU DE TRANSISTORS	ULN2075B D16P -20+85	T9001337
	ZL 2		AFFICHEUR SUR SUPPORT SOUDE	47032208

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	11			
	5			
BT	1	FIL DE CABLAGE	KZ05-06 NOIR	99028233
			REDEVANCE LOGICIEL XEC+FMS	IMPOFMS
		PILE	1000-08 (3V 960MAH)	T1002450
CAPACITOR				
C	19 261 262	CONDENSATEUR FIXE	036-58-478 4,7 MF +-20% 63V	91555037
C	2 5 8 12 16 362	CONDENSATEUR FIXE	036-58-109 10 MF +-20% 63V	91555165
C	112 122 132	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	100 101	CONDENSATEUR CHIPS	CC0805B-1CG 27 PF +-5% 100V	99187384
C	360 361	CONDENSATEUR CHIPS	CC0805B-1CG 22 PF +-5% 100V	99187398
C	111 121 131	CONDENSATEUR CHIPS	CC0805B-1CG 68 PF 5% 100V	99187409
C	1 3 4 6 7 9 10 11 13 15 17 102 103 104 105 110 120 130 140 141 142 143 230 240 250 260 270 280 290 300 320 330 340 350 363 364 365 366 367 370 380	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	14 150 160 170 180 190 200 271	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
DIODE				
CR	10 11	DIODE	1N4002	99118028
CR	1 2 3 4	DIODE CMS	BAR43 SOT23 [D95]	T1002188
LED				
CRL	100 103	DIODE ELECTROLUMINESCENTE	HLMP-1301 ROUGE (D.3MM)	91346761
CRL	1 2 3 4 5 102	DIODE ELECTROLUMINESCENTE	HLMP-1503 VERT (D.3MM)	91551019
CRL	6A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y1-A-B	99116588
CRL	6	PHOTOCOUPLEUR	ILQ74 D16P -55+100	T1002122
E	110 111 120 121 130 131 270 360 361	CAVALIER	313 1366 0 00 40 6	91565557
E	361A	BARRETTE DE RACCORDEMENT	473 0358 1 04 40 0 (2X2-Y1)	T1001983
E	100A 110A 111A 120A 121A 130A 131A 270A 360A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
FUSE				
F	1 2 3	FUSIBLE	MFR250 (MULTIFUSE)	T1001111
F	4 5 6	FUSIBLE	MFR110 (MULTIFUSE)	T1001112
CONNECTOR (FIXED)				
J	100A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
J	1 2	CONNECTEUR	HE1001EM50Y022B	99113791
J	5	CONNECTEUR	09-65-2039 (EMD-03-Y2)	T1000173
J	4	CONNECTEUR	09-75-2034 (EMC-03-V2)	T1001522
J	6	CONNECTEUR	52030-2610 (EFD-26-Y2)	T1002468
J	3	CONNECTEUR	09-75-2074 (EMC-7-V2)	T1002495
J	110 120 130	CONNECTEUR	DEPV09S500GT (EFC-09-V1)	T9001541
INDUCTOR				
L	1 2 3 4 5	INDUCTANCE	B0B.2,5 SPIRES-4B1 (VK200)	99006874
L	6	INDUCTANCE	TR025 2,2 MICROHENRYS 10%	99107498
LS	364	BUZZER	F/HMB06 (6V 85DB)	T1002460
PT	1 2 3 4 6 7 8 9 10	PLOT	E06626-L2M	91382049
TRANSISTOR				
Q	270	TRANSISTOR CMS	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	1102 1104 1105 1203 1205 1206 1302 1304 1305	RESISTANCE CHIPSE	RR0805 150 OHMS 5% 1/10W K250	99180451
R	9 10	RESISTANCE CHIPSE	RR0805 12 KOHMS 5% 1/10W K250	99180453
R	3 4	RESISTANCE CHIPSE	RR0805 470 OHMS 5% 1/10W K250	99180458
R	261	RESISTANCE CHIPSE	RR0805 220 KOHMS 5% 1/10W K250	99180461
R	350 351 352	RESISTANCE CHIPSE	RR0805 10 OHMS 5% 1/10W K250	99180467
R	7 113 114 115 116 117 118 119 1101 1103 1202 1204 1301 1303	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	111 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 1114 1215 1314	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	1200	RESISTANCE CHIPSE	RR0805 22 KOHMS 5% 1/10W K250	99180480
R	1 2 11 12 101 136 260 280 281 370 371 372 380 381 382 383 384 385	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	13 103 104 105 106 107 108 109 110 112 140 141 142 210 230 231 232 251 262 263 273 365 1100 1201 1300	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	100	RESISTANCE CHIPSE	RR0805 680 KOHMS 5% 1/10W K250	99180503
R	102 150 160 191 192 201 202 240 1106 1108 1110 1112 1207 1209 1211 1213 1306 1308 1310 1312	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	264	RESISTANCE CHIPSE	RR0805 20 KOHMS 5% 1/10W K250	T9000176
R	5	RESISTANCE CHIPSE	RC3715 220 OHMS 1% 1/4W K50	T9000211
R	360 361 362 363 364	RESISTANCE CHIPSE	RC3715 1 KOHM 1% 1/4W K50	T9000227
R	68 69 70 71	RESISTANCE CHIPSE	RC3715 1,6 KOHM 1% 1/4W K50	T9000232
R	6	RESISTANCE CHIPSE	RC3715 3,3 KOHMS 1% 1/4W K50	T9000239
SWITCH				
S	1 2	COMMUTATEUR A POUSSOIR	BB-15AB	91627325
T	1	TRANSFORMATEUR	FE904-BV205196(230V/15V/0,35VA	T1002620
TEST POINT				
TP	12	PLOT	20-2136J	91367355
QUARTZ				
Y	100	QUARTZ	HC49/U 15,36 MHZ 30PF 50PPM	T9000566
Y	200	QUARTZ	HC49/U 24MHZ 30PF 50PPM 10+70	T9001365
INTEGRATED CIRCUIT				
Z	10C	CANON ISOLANT	56359C	91509485
Z	110 120 130	CIRCUIT INTEGRE	SN75116N D16P	91518279
Z	10D	RONDELLE	520301-80	99051638
Z	10F	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
Z	10E	ECROU	H M3 U INOX A4 PASSIVE	99059912
Z	10	CIRCUIT INTEGRE	317 TO220 0+70 (+1,2+37V)	99104551
Z	10B	RONDELLE	60 11 8302 1674	99112427
Z	110A 120A 130A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y1-A-B	99116588
Z	190A 200A	SUPPORT DE CIRCUIT INTEGRE	SCC1D32-Y1-C-B	99116670
Z	10A	RADIATEUR	RA37/1 (TO220)	99124639
Z	290	CIRCUIT INTEGRE CMS	74HC32 SO14P -40+85	99142000
Z	240	CIRCUIT INTEGRE CMS	74HC4040 SO16P -40+85	99142003
Z	380	CIRCUIT INTEGRE CMS	74F08 SO14P 0+70	99142485
Z	250 300	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357
Z	340 350 370	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	320 330	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	270	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	360	MICROPROCESSEUR CMS	82077SL-5 PLCC68 0+70	T1002431
Z	100	MICROPROCESSEUR	MC68302RC16C PGA132 0+70	T1005169
Z	11 260	CIRCUIT INTEGRE CMS	74HCT123 SO16P -40+85	T9000389
Z	280	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	230	MICROPROCESSEUR CMS	82C54 PLCC28 0+70	T9000854
Z	100A	SUPPORT DE CIRCUIT INTEGRE	SPGA132Y13	T9000881
Z	230A	SUPPORT DE CIRCUIT INTEGRE	SPLCC28-OP-Y2	T9001192
Z	150 160 170 180	MEMOIRE RAM STATIQUE CMS	128KX8 70NS 70/3/0,05MA DF32P	T9001309
Z	140A	SUPPORT DE CIRCUIT INTEGRE	SPLCC44-OP-Y2	T9001423
Z	360A	SUPPORT DE CIRCUIT INTEGRE	SPLCC68-OP-Y2	T9001435

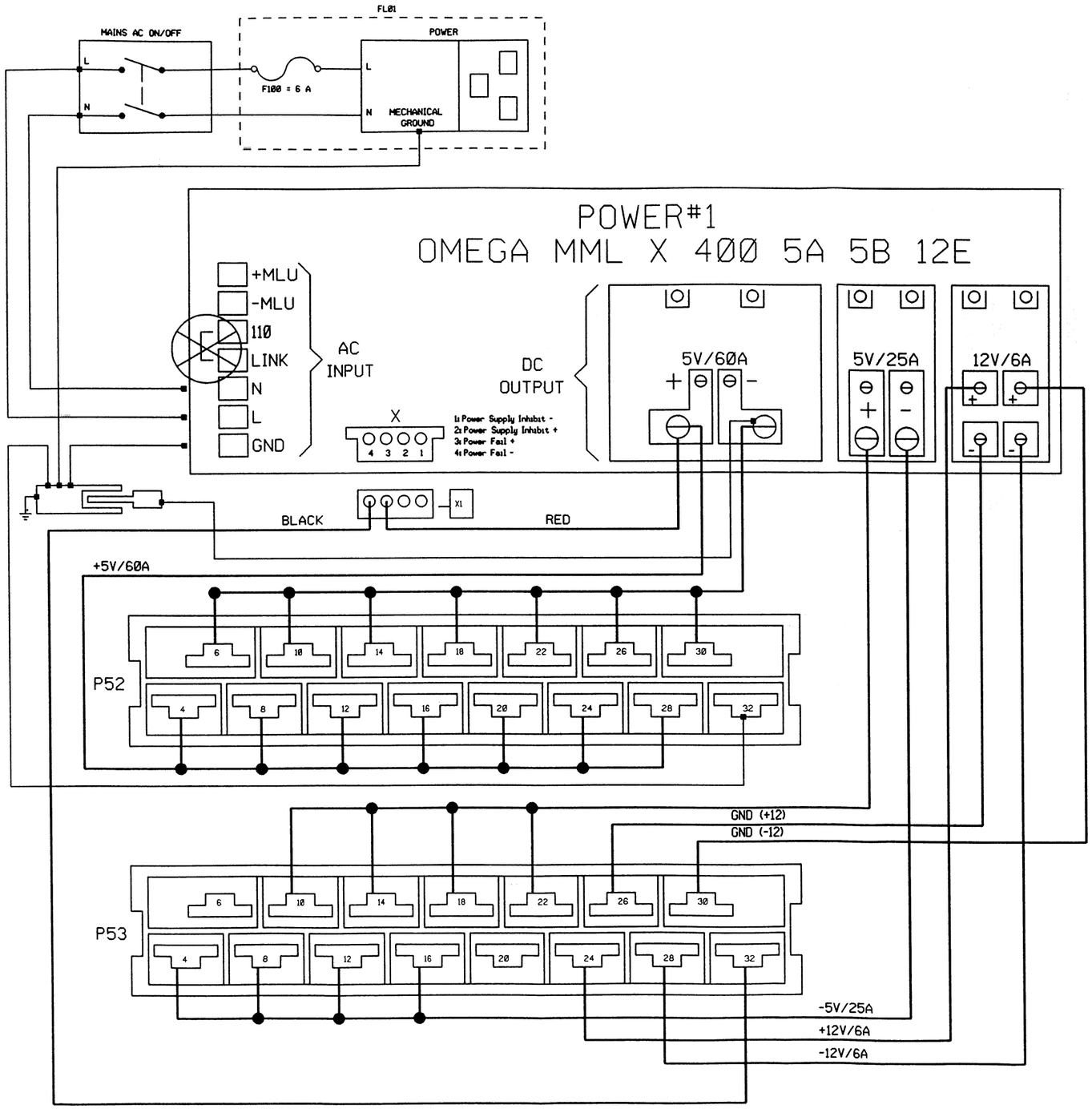
< last page >

VIDEO/KEY INPUT
CABLE CORRECTOR
V1
V2
V3
V4
V5
V6
V7
V8
V9
V10
V11
V12
BLACK
PGM KEY.OUT
MATRIX
BUFFER
BUFFER
BUFFER
AUX 1
AUX 2
AUX 3
AUX 2
AUXILIARY OUTPUT
AUX.DVE
OUTPUT VIDEO-DVE
DESERIALIZER AND PHASING
VIDEO PROCESS FC1
VIDEO PROCESS FC2
VIDEO PROCESS FC3
VIDEO PROCESS FC4
CO.DVE
CO.DVE
K.DSK
V.DSK
DSK.AT
K.BGD
MULTI-AT
K-MULTI
B MULTI
BG01
BG02
FG01
FG02
F1
F2
K1
K2
INDEX ACQUISITION
ACQUISITION WINDOW
MASK-1 GENERATOR
MASK-2 GENERATOR
KEY PROCESS K1
KEY PROCESS K2
BOX MASK
FILTER
BOX MASK
FILTER
PATTERN MASK
PATTERN MASK
WIPE WIPE EXT
K DVE IN
DESERIALISEUR AND PHASING
K- DVE
K1C
K.BACK
K2C
WIPE BORD
WIPE BORD EXT
KEY SELECTION
BORDER SELECTION
KF1
KF2
KEY OUT K1C OR K2C
BF1
BF2
BMULTI
ENCODER 4:2:2 + SERIALIZER
OUTPUT KEY
KEY. OUT TO FREEZE AND ROUTING BOARDS
BORDER GENERATOR 2/2 BOARD
DESERIALIZER AND PHASING
MULTI
KEY PROCESS
MASKS COMPOSE AND FILTER
DESERIALIZER AND PHASING
VIDEO PROCESS FC10
DESERIALIZER AND PHASING
KEY PROCESS
MASK COMPOSE AND FILTER
CH.SHA03
WIPE.BOR.EXT
PROCESS BORDER ASIC + DELAY LIGNE
DELAY
DELAY
KEY MUL
CHRO.MUL
WIPE EXT
CHRO.DSK
K-DSK
B-DSK
DSK VIDEO
DSK KEY
DSK BORD
WIPE
WIPE BOARD
KF1 BF1 KF2 BF2
*BORDER OPPACITE IN ASIC
MIX AND SWITCH 1 PGM BGD
MIX AND SWITCH 3 PGM FGD
MIX AND SWITCH 2 PVW BGD
MIX AND SWITCH 4 PVW FGD
BACKGROUND MIXING
FOREGROUND MIXING
MIX AND SWITCH 5 PGM MIXING AND DSK
MIX AND SWITCH 6 PVW MIXING AND DSK
FINAL MIXING AND DSK
ENCODER 4:2:2 + SERIALIZER
SERIAL OUTPUT PGM
PGM TO ROUTING BORD
TEST BUS
ENCODER 4:2:2 + SERIALIZER
SERIAL OUTPUT PVW
DISTRIBUTION AND SIGNAL DECODING
PHASING CDE BUS
ECL CLOCKS
TO PROCESSING AND OPTIONNAL BOARDS
GENLOCK
VIDEO IN DVE
SYNC IN
CK-SHA01
CK-SHA02
CK-SHA03
BORDER IN
CHROMA KEY BOARD
DEFRINGING KEY
CK.SHA01
CK.SHA03
CHROMA & DARK DISTANCE
CHROMA & DARK KEYS
KEY COMBINE
NOISE PROCESS
MASK & FILTER
VIDEO SELECT
SELECTION
DEFRINGING KEY
CK.SHA02
CK.SHA03
DAUGHTER BOARD
MULTI.AT
DSK.AT
FREEZE BOARD
SERIALIZER ENCODEUR
DESERIALIZER AND PHASING
INTERPOLATOR
MEMORY
SELECT
KEY COMBINE
AUTOMATE GPE
WIPE EXT
WIPE BOR EXT
KEY.OUT
ROUTING BOARD
µPROCESSOR
RAM + PROM
COMMUTATION RAM
P CONTROL BUS
P BUS
KEY.MUL
PROCESS BORDER
DELAY
BORDER GENERATOR 1/2 BOARD
µPROCESSOR 68000
PATTERN GENERATOR
WIPE
WIPE BORD
COMMUNICATION RAM
P CONTROL BUS (DATA ADDRESS,CLOCK,CHIPS SELECT) TO ROUTING AND OPTIONNAL BOARDS
µPROCESSOR 68302 + INTERFACE
RAM + EPROM
GPI
TALLY
PROCESSING BOARD
2 X LINK RS422
GPI IN/OUT
TALLY IN/OUT
3 X LINK RS422 CONTROL PANEL DVE EDITOR

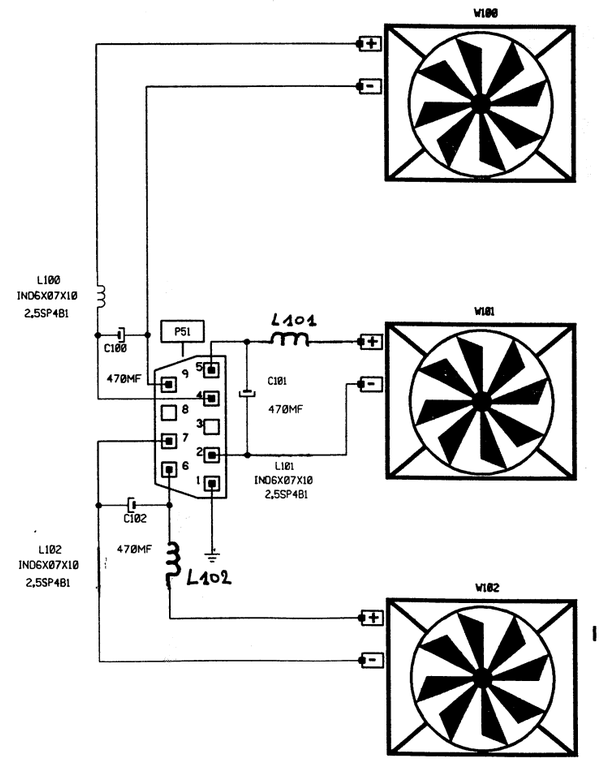
LEGENDE
- CONNECTOR
- T TEST REGISTER
- / SELECTION REGISTER

TTV 9200	SYNOPTIQUE GENERAL	BD10
3A 967 989 030		
THOMSON		

POWER UNIT



FAN UNIT



TTV 9200 3A 967 989 050	**CHASSIS PWS and FANS**	**SD10 (1/1)**
THOMSON		

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ROUTING BOARD CONNECTORS PAGE 3/6

INPUTS VIDEO/KEY

J36 J34 J32 J30 J28 J26 J24 J22 J20 J18 J16 J14

AUXILIARY OUTPUTS

J12 J10 J8 J6

VIDEO IN J3 SYNC IN J1

J110 | J120 ALIM | J140 | J150 ALIM | J180 | J190 ALIM

OUTPUTS VIDEO/KEY

J37 J35 J33 J31 J29 J27 J25 J23 J21 J19 J17 J15

AUXILIARY OUTPUTS

J13 J11 J9 J7

VIDEO OUT J5 KEY IN J4 SYNC OUT J2

PROCESSING BOARD CONNECTORS PAGE 2/6

J210 | J220 ALIM | J240 | J250 ALIM | J280 | J290 ALIM

KEYOUT J43 J42 PVW J41 J40 PGM J39 J38

BORDER BOARD CONNECTORS PAGE 4/6

J310 | J320 | J340 | J350

FROM POWER SUPPLY

J52 H15752.3 J52 +5V

TALLY IN/OUT J45 GPI IN/OUT J44

PAGE 2/6

J51 DEP09SIF J51 +12V -12V

CHROMA KEY BOARD CONNECTORS PAGE 5/6

SPARE

J50 | J49 | J410 | J420 | J440 | J450

DVE J48 EDITOR J47 CONTROL PANEL J46

PAGE 2/6

FROM POWER SUPPLY

J53 H15752.3 J53 -5.2V +12V -12V /ACFAIL

FREEZE BOARD CONNECTORS PAGE 6/6

J510 | J520 | J540 | J550

FAVS

TTV9200

THOMSON

TITLE: MOTHER BOARD

DRAWING NO	REV	CODE	SHEET	BLOCK
3D967990	B	030	1/6	

SCHEMATIC NAME: 101560.sch SHEET NUMBER: 1 DATE: Dec 1, 1994

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PROCESSING BOARD

J210

J210 70235111

CHRO_KEY[0:10] — CHRO_KEY[0:10]
DSK_AT[0:9] — DSK_AT[0:9]
MULTI_AT[0:9] — MULTI_AT[0:9]
KBORD[0:10] — KBORD[0:10]
WIPE_EXT[0:10] — WIPE_EXT[0:10]
CHRO_KEY2[0:10] — CHRO_KEY2[0:10]
KI[0:9] — KI[0:9]
K2[0:9] — K2[0:9]
KBACK[0:10] — KBACK[0:10]
WIPE_BOR_EXT[0:10] — WIPE_BOR_EXT[0:10]
CK_SHADI[0:10] — CK_SHADI[0:10]

J240

J240 70235111

BORDER_IN[0:10] — BORDER_IN[0:10]
CK_SHAD2[0:10] — CK_SHAD2[0:10]
BDSK[0:10] — BDSK[0:10]
KDSK[0:10] — KDSK[0:10]
KMULTI[0:10] — KMULTI[0:10]
FGDI[0:9] — FGDI[0:9]
FGD2[0:9] — FGD2[0:9]
BGDI[0:9] — BGDI[0:9]
BGD2[0:9] — BGD2[0:9]
VDSK[0:9] — VDSK[0:9]
TEST[0:9] — TEST[0:9]

J280

J280 70235111

COM_LINK[0:11] — COM_LINK[0:11]
AD[0:11] — AD[0:11]
DATAMP[0:15] — DATAMP[0:15]
CTRLBUS[0:9] — CTRLBUS[0:9]
COMMAND[0:18] — COMMAND[0:18]
RES[0:9] — RES[0:9]
GPIOUT[0:9] — GPIOUT[0:9]
GPIN[0:7] — GPIN[0:7]
TALLYIN[0:3] — TALLYIN[0:3]
TALLYOUT[0:13] — TALLYOUT[0:13]
COM
CLOCK
HPB-
HPB+
SKEY1-
SKEY1+
SKEY0-
SKEY0+
/ACFAIL

GPI IN/OUT

J44 DBP25SIF

GPIOUT[0:9]
GPIN[0:7]

TALLY IN/OUT

J45 DBP25SIF

TALLYIN[0:3]
COM
TALLYOUT[0:13]

CONTROL PANEL

J46 DEP09SIF

COM_LINK[0:11]

EDITOR

J47 DEP09SIF

COM_LINK[4]
COM_LINK[6]
COM_LINK[7]
COM_LINK[5]

DVE

J48 DEP09SIF

COM_LINK[8]
COM_LINK[10]
COM_LINK[11]
COM_LINK[9]
COM_LINK[0:11]

KEY IN

J4 — KEYIN

KEYOUT1

J42 — KEYOUT1

KEYOUT2

J43 — KEYOUT2

PGM1

J38 — PGM1

PGM2

J39 — PGM2

PVW1

J40 — PVW1

PVW2

J41 — PVW2

J220

J220 70232111

D C B A +5V

J250

J250 70232111

D C B A +5V

J290

J290 70232111

D C B A +5V -5.2V

	TTV9200				
	TITLE: MOTHER BOARD				
THOMSON	DRAWING NO: 3D967990	REV: B	CODE: 030	SHEET: 2/6	BLOCK:

SCHEMATIC NAME: interco.sch SHEET NUMBER: 2 DATE: Dec 1, 1994

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ROUTING BOARD CONNECTORS

J110

V11IN J36 → V11OUT J37
V2IN J34 → V2OUT J35
V3IN J32 → V3OUT J33
V4IN J30 → V4OUT J31
V5IN J28 → V5OUT J29
V6IN J26 → V6OUT J27
V7IN J24 → V7OUT J25
V8IN J22 → V8OUT J23
V9IN J20 → V9OUT J21
V10IN J18 → V10OUT J19

FREEZIN2- / FREEZIN2+ → FREEZIN1- / FREEZIN1+
FREEZOUT2- / FREEZOUT2+ → FREEZOUT1- / FREEZOUT1+
VDSK- / VDSK+
KDSK- / KDSK+ → KBGD- / KBGD+
SPGM0- / SPGM0+
SKEY0- / SKEY0+

J120

J120 70232111 — D C B A
+5V, -5.2V

J140

V11IN J16 → V11OUT J17
V12IN J14 → V12OUT J15

K1[0:9], K2[0:9], FGD1[0:9], FGD2[0:9], BGD1[0:9], BGD2[0:9], TEST[0:9]

AUX_11 J13 → AUX11
AUX_21 J11 → AUX21
AUX_10 J12 → AUX10
AUX_20 J10 → AUX20
AUX_40 J6 → AUX40
AUX_41 J7 → AUX41

J150

J150 70232111 — D C B A
+5V, -5.2V

J180

AUX_31 J9 → AUX31
AUX_30 J8 → AUX30
VIDEO IN J3 → VIDEOIN
VIDEOOUT → VIDEO OUT J5

AD[0:11], DATAMP[0:15]

CTRLBUS[0:9]
CTRLBUS[4] R/W
CTRLBUS[8] DTACK
CTRLBUS[7] LDS
CTRLBUS[6] UDS
CLK, AS, CS_ROUT

COMMAND[0:18]
COMMAND[1] HLOC_KO
COMMAND[3] HLOC_PGM
COMMAND[5] WR_WIPE
COMMAND[6] RD_WIPE
COMMAND[8] INT_TRAME_MIC
COMMAND[13] BVUL_KO
COMMAND[12] BVF_KO
COMMAND[17] STANDARD
COMMAND[16] FLOC_O
COMMAND[18] TL_KOVE
INT_L_GFE, HLOC_PVW, TOP_L_OPT, WSL, INT_T_GFE, TOP_T_OPT, PARITY, BVF_PGM, BVUL_PGM

RES[0:9]
RES[2] WRES_FIFO
R_BMASK_P, R_BMASK_L, RD_PATT

CLOCK
H/2BB-, H/2BB+, 2HBB-, 2HBB+, H/2CKB-, H/2CKB+, 2HCKB-, 2HCKB+, H/2FB-, H/2FB+, 2HFB-, 2HFB+, H/2PB-, H/2PB+, 2HPB-, 2HPB+

SYNC IN J1 → SYNC
SYNC OUT J2

J190

J190 70232111 — D C B A
+5V, -5.2V, +12V, -12V

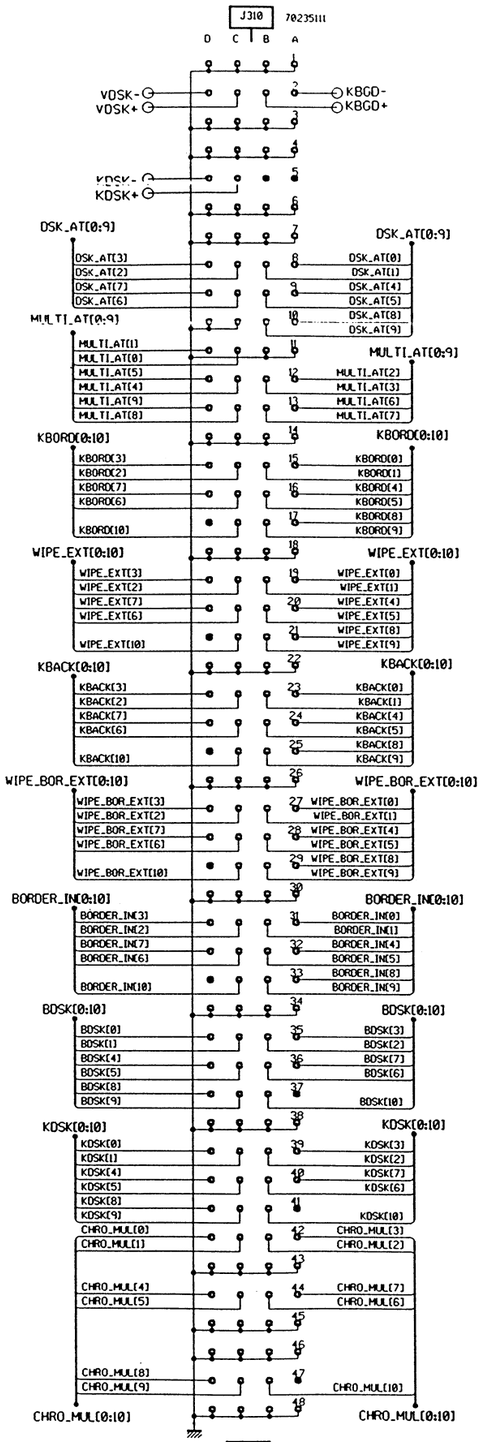
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	TITLE: MOTHER BOARD				
THOMSON	DRAWING NO: 3D967990	REV: B	CODE: 030	SHEET: 3/6	BLOCK:

SCHEMATIC NAME: interco.sch SHEET NUMBER: 3 DATE: Dec 1, 1994

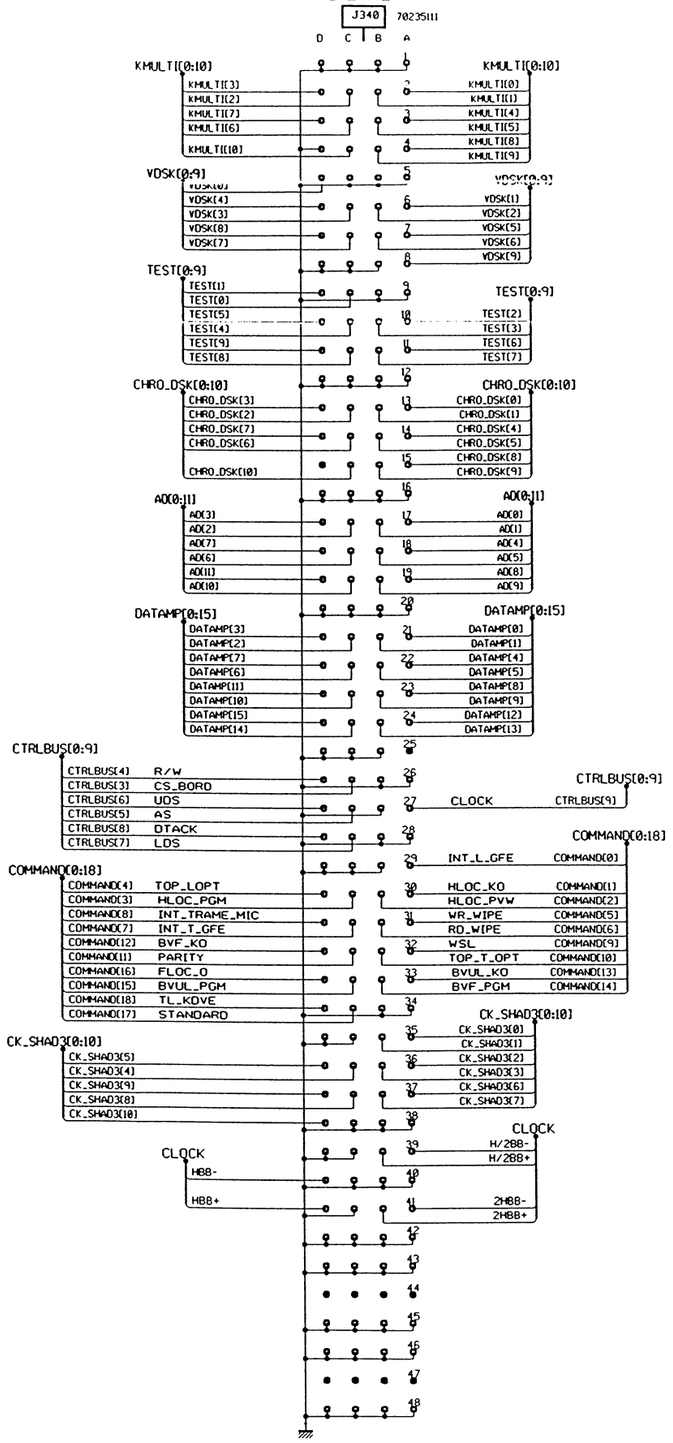
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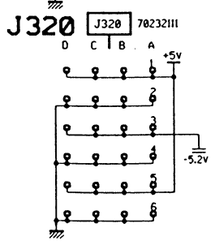
J310



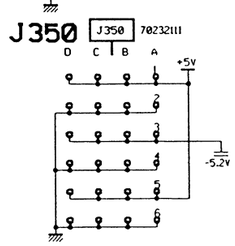
J340



J320



J350



CONNECTORS

BORDER BOARD C

	TTV9200					
	TITLE: MOTHER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	30967990	B	030	4/6		

SCHEMATIC NAME: interco.sch SHEET NUMBER: 4 DATE: Dec 1, 1994

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CHROMA KEY BOARD CONNECTORS

J410

J410 70235111

D C B A

DSK_AT[0:9]: DSK_AT(3), DSK_AT(2), DSK_AT(6)
DSK_AT[0:9]: DSK_AT(0), DSK_AT(1), DSK_AT(5), DSK_AT(8), DSK_AT(9)

MULTI_AT[0:9]: MULTI_AT(3), MULTI_AT(2), MULTI_AT(7), MULTI_AT(6)
MULTI_AT[0:9]: MULTI_AT(0), MULTI_AT(1), MULTI_AT(4), MULTI_AT(5), MULTI_AT(9)

CHRO_KEY1[0:10]: CHRO_KEY1(3), CHRO_KEY1(2), CHRO_KEY1(7), CHRO_KEY1(6), CHRO_KEY1(10)
CHRO_KEY1[0:10]: CHRO_KEY1(0), CHRO_KEY1(1), CHRO_KEY1(4), CHRO_KEY1(5), CHRO_KEY1(8), CHRO_KEY1(9)

K1[0:9]: K1(3), K1(2), K1(7), K1(6)
K1[0:9]: K1(0), K1(1), K1(4), K1(5), K1(8), K1(9)

K2[0:9]: K2(3), K2(2), K2(7), K2(6)
K2[0:9]: K2(0), K2(1), K2(4), K2(5), K2(8), K2(9)

WIPE_EXT[0:10]: WIPE_EXT(3), WIPE_EXT(2), WIPE_EXT(7), WIPE_EXT(6), WIPE_EXT(10)
WIPE_EXT[0:10]: WIPE_EXT(0), WIPE_EXT(1), WIPE_EXT(4), WIPE_EXT(5), WIPE_EXT(8), WIPE_EXT(9)

CHRO_KEY2[0:10]: CHRO_KEY2(3), CHRO_KEY2(2), CHRO_KEY2(7), CHRO_KEY2(6), CHRO_KEY2(10)
CHRO_KEY2[0:10]: CHRO_KEY2(0), CHRO_KEY2(1), CHRO_KEY2(4), CHRO_KEY2(5), CHRO_KEY2(8), CHRO_KEY2(9)

CK_SHAD1[0:10]: CK_SHAD1(3), CK_SHAD1(2), CK_SHAD1(7), CK_SHAD1(6), CK_SHAD1(10)
CK_SHAD1[0:10]: CK_SHAD1(0), CK_SHAD1(1), CK_SHAD1(4), CK_SHAD1(5), CK_SHAD1(8), CK_SHAD1(9)

CK_SHAD2[0:10]: CK_SHAD2(3), CK_SHAD2(2), CK_SHAD2(7), CK_SHAD2(6), CK_SHAD2(10)
CK_SHAD2[0:10]: CK_SHAD2(0), CK_SHAD2(1), CK_SHAD2(4), CK_SHAD2(5), CK_SHAD2(8), CK_SHAD2(9)

CK_SHAD3[0:10]: CK_SHAD3(3), CK_SHAD3(2), CK_SHAD3(7), CK_SHAD3(6), CK_SHAD3(10)
CK_SHAD3[0:10]: CK_SHAD3(0), CK_SHAD3(1), CK_SHAD3(4), CK_SHAD3(5), CK_SHAD3(8), CK_SHAD3(9)

LINK_OPT[0:7]: LINK_OPT(0), LINK_OPT(1), LINK_OPT(4), LINK_OPT(5)
LINK_OPT[0:7]: LINK_OPT(3), LINK_OPT(2), LINK_OPT(7), LINK_OPT(6)

J420

J420 70232111

D C B A

+5V, -5.2V

LINK_OPT[0:7]: LINK_OPT(0), LINK_OPT(2), LINK_OPT(3), LINK_OPT(1)

SPARE

J49 DEP09SIF

LINK_OPT[0:7]: LINK_OPT(4), LINK_OPT(6), LINK_OPT(7), LINK_OPT(5)

SPARE

J50 DEP09SIF

J440

J440 70235111

D C B A

CHRO_MUL[0:10]: CHRO_MUL(2), CHRO_MUL(7), CHRO_MUL(6), CHRO_MUL(10)
CHRO_MUL[0:10]: CHRO_MUL(1), CHRO_MUL(4), CHRO_MUL(5), CHRO_MUL(8), CHRO_MUL(9)

TEST[0:9]: TEST(1), TEST(0), TEST(4), TEST(9), TEST(8)
TEST[0:9]: TEST(3), TEST(6), TEST(7)

CHRO_DSK[0:10]: CHRO_DSK(3), CHRO_DSK(2), CHRO_DSK(7), CHRO_DSK(6), CHRO_DSK(10)
CHRO_DSK[0:10]: CHRO_DSK(0), CHRO_DSK(1), CHRO_DSK(4), CHRO_DSK(5), CHRO_DSK(8), CHRO_DSK(9)

AD[0:11]: AD(3), AD(2), AD(7), AD(6), AD(11), AD(10)
AD[0:11]: AD(0), AD(1), AD(4), AD(5), AD(8), AD(9)

DATAMP[0:15]: DATAMP(3), DATAMP(2), DATAMP(7), DATAMP(6), DATAMP(11), DATAMP(10), DATAMP(15), DATAMP(14)
DATAMP[0:15]: DATAMP(0), DATAMP(1), DATAMP(4), DATAMP(5), DATAMP(8), DATAMP(9), DATAMP(12), DATAMP(13)

/ACFAIL

CTRLBUS[0:9]: CTRL_BUS(4) R/W, CTRL_BUS(1) CS_CK, CTRL_BUS(6) UDS, CTRL_BUS(5) AS, CTRL_BUS(0) DTACK, CTRL_BUS(7) LDS
CTRLBUS[0:9]: CLOCK, CTRLBUS(9)

COMMAND[0:18]: COMMAND(4) TOP_L_OPT, COMMAND(3) HLOC_PGM, COMMAND(8) INT_TRAME_MIC, COMMAND(7) INT_T_GFE, COMMAND(12) BVF_KO, COMMAND(11) PARITY, COMMAND(16) FLOC_O, COMMAND(15) BVUL_PGM, COMMAND(18) TL_KOVE, COMMAND(17) STANDARD
COMMAND[0:18]: INT_L_GFE, COMMAND(0); HLOC_KO, COMMAND(1); HLOC_PVW, COMMAND(2); WR_WIPE, COMMAND(5); RD_WIPE, COMMAND(6); WSL, COMMAND(9); TOP_T_OPT, COMMAND(10); BVUL_KO, COMMAND(13); BVF_PGM, COMMAND(14)

RES[0:9]: RES(3), RES(2), RES(7), RES(6), RES(8)
RES[0:9]: RES(9), RES(0), RES(1), RES(4), RES(5)

CLOCK: HCKB-, HCKB+
CLOCK: H/2CKB-, H/2CKB+, 2HCKB-, 2HCKB+

J450

J450 70232111

D C B A

+5V, -5.2V

					TTV9200
	TITLE: MOTHER BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3D967990	B	030	5/6	

SCHEMATIC NAME: interco.sch SHEET NUMBER: 5 DATE: Dec 1, 1994

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FREEZE BOARD CONNECTORS

J510

J510 70235111

D C B A

FREEZIN2-
FREEZIN2+
FREEZIN1-
FREEZIN1+
FREEZOUT2-
FREEZOUT2+
FREEZOUT1-
FREEZOUT1+
SKEY1-
SKEY1+

WIPE_EXT[0:10]
WIPE_EXT[3]
WIPE_EXT[2]
WIPE_EXT[7]
WIPE_EXT[6]
WIPE_EXT[10]
WIPE_EXT[0:10]
WIPE_EXT[0]
WIPE_EXT[1]
WIPE_EXT[4]
WIPE_EXT[5]
WIPE_EXT[8]
WIPE_EXT[9]

WIPE_BOR_EXT[0:10]
WIPE_BOR_EXT[3]
WIPE_BOR_EXT[2]
WIPE_BOR_EXT[7]
WIPE_BOR_EXT[6]
WIPE_BOR_EXT[10]
WIPE_BOR_EXT[0:10]
WIPE_BOR_EXT[0]
WIPE_BOR_EXT[1]
WIPE_BOR_EXT[4]
WIPE_BOR_EXT[5]
WIPE_BOR_EXT[8]
WIPE_BOR_EXT[9]

J520

J520 70232111

D C B A

+5V
-5.2V

J540

J540 70235111

D C B A

TEST[0:9]
TEST[0]
TEST[1]
TEST[4]
TEST[5]
TEST[9]
TEST[0:9]
TEST[2]
TEST[6]
TEST[7]

AD[0:11]
AD[3]
AD[2]
AD[7]
AD[6]
AD[11]
AD[10]
AD[0:11]
AD[0]
AD[1]
AD[4]
AD[5]
AD[8]
AD[9]

DATAMP[0:15]
DATAMP[3]
DATAMP[2]
DATAMP[7]
DATAMP[6]
DATAMP[11]
DATAMP[10]
DATAMP[15]
DATAMP[14]
DATAMP[0:15]
DATAMP[0]
DATAMP[1]
DATAMP[4]
DATAMP[5]
DATAMP[8]
DATAMP[9]
DATAMP[12]
DATAMP[13]

/ACFAIL

CTRLBUS[0:9]
CTRLBUS[4] R/W
CTRLBUS[2] CS_FR
CTRLBUS[6] UDS
CTRLBUS[5] AS
CTRLBUS[8] DTACK
CTRLBUS[7] LDS
CTRLBUS[0:9]
CLOCK CTRLBUS[9]

COMMAND[0:18]
COMMAND[4] TOP_L_OPT
COMMAND[3] HLOC_PGM
COMMAND[8] INT_TRAME_MIC
COMMAND[7] INT_T_GFE
COMMAND[12] BVF_KO
COMMAND[11] PARITY
COMMAND[16] FLOC_O
COMMAND[15] BVUL_PGM
COMMAND[18] TL_KOVE
COMMAND[17] STANDARD
COMMAND[0:18]
INT_L_GFE COMMAND[0]
HLOC_KO COMMAND[1]
HLOC_PVW COMMAND[2]
WR_WIPE COMMAND[5]
RD_WIPE COMMAND[6]
WSL COMMAND[9]
TOP_T_OPT COMMAND[10]
BVUL_KO COMMAND[13]
BVF_PGM COMMAND[14]

RES[0:9]
RES[3]
RES[2]
RES[7]
RES[6]
RES[8]
RES[0:9]
RES[9]
RES[0]
RES[1]
RES[4]
RES[5]

CLOCK
HFB-
HFB+
CLOCK
H/2FB-
H/2FB+
2HFB-
2HFB+

J550

J550 70232111

D C B A

+5V
-5.2V

	TTV9200					
	TITLE MOTHER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3D967990	B	030	6/6		

SCHEMATIC NAME: interco.sch SHEET NUMBER: 6 DATE: Dec 1, 1994

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01

J110 J120 J140 J150 J180 J190

J210 J220 J240 J250 J280 J290

J310 J320 J340 J350

J52

J53

INDICE FONCTION.

IDENT.MATERIEL

J410 J420 J440 J450

J510 J520 J540 J550

J61

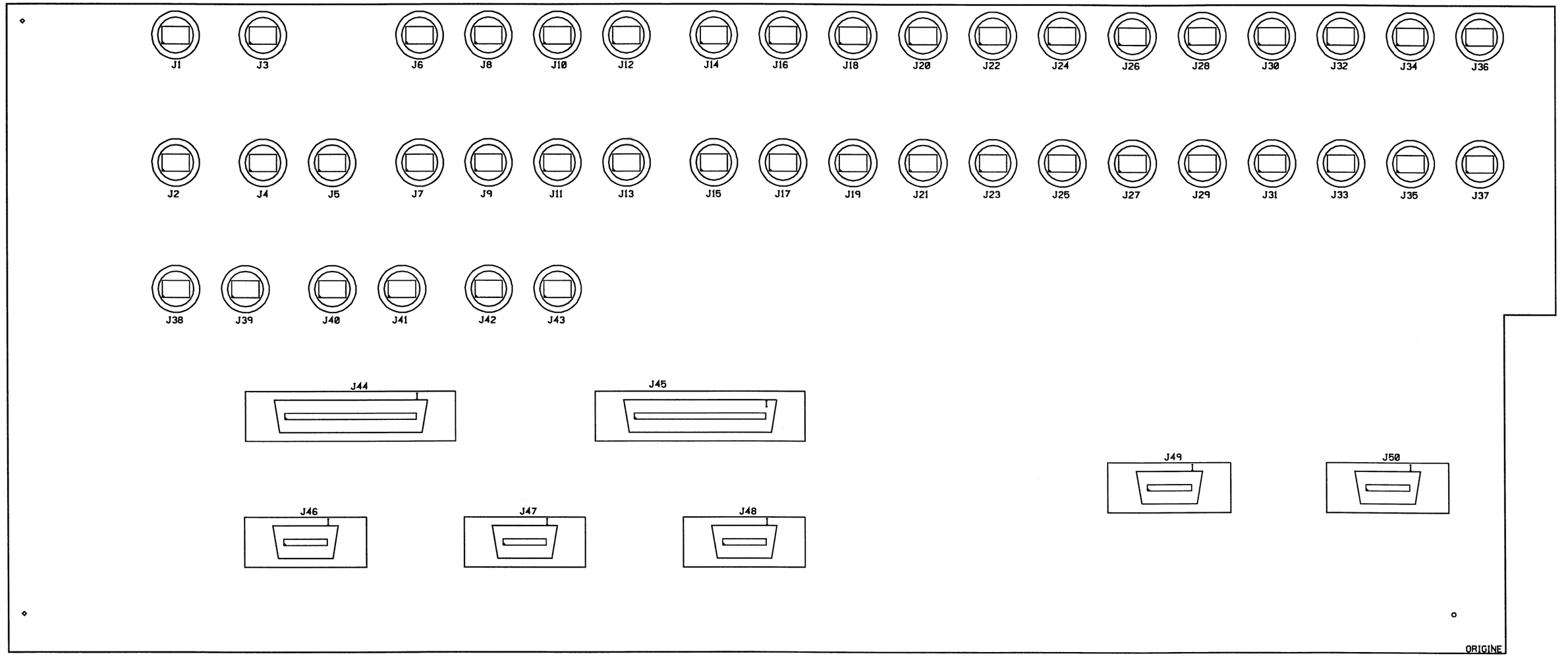
ORIGINE

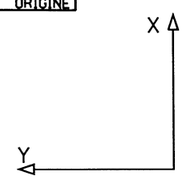
IF IM

Y

X

IND	DATE		NØ.DOSSIER
03			3D967990
THOMSON		CI: MOTHER BOARD (EL) NØ: 2D534394/009	
NOTA:			





IND	DATE		NØ.DOSSIER
			3D967990
THOMSON			CI:MOTHER BOARD (SO) NØ:2D534394/008
NOTA:			

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VIDEO : 1 — BF100 CABLE CORRECTOR (cable.sch): VIN / VOUT → V- / V+ → V1- / V1+
VIDEO : 2 — BF200 CABLE CORRECTOR (cable.sch): V2IN / V2OUT → V2- / V2+
VIDEO : 3 — BF300 CABLE CORRECTOR (cable.sch): V3IN / V3OUT → V3- / V3+
VIDEO : 4 — BF400 CABLE CORRECTOR (cable.sch): V4IN / V4OUT → V4- / V4+
VIDEO : 5 — BF500 CABLE CORRECTOR (cable.sch): V5IN / V5OUT → V5- / V5+
VIDEO : 6 — BF600 CABLE CORRECTOR (cable.sch): V6IN / V6OUT → V6- / V6+
VIDEO : 7 — BF700 CABLE CORRECTOR (cable.sch): V7IN / V7OUT → V7- / V7+
VIDEO : 8 — BF800 CABLE CORRECTOR (cable.sch): V8IN / V8OUT → V8- / V8+
VIDEO : 9 OR KEY : 1 — BF900 CABLE CORRECTOR (cable.sch): V9IN / V9OUT → V9- / V9+
VIDEO : 10 OR KEY : 2 — BF1000 CABLE CORRECTOR (cable.sch): V10IN / V10OUT → V10- / V10+
VIDEO : 11 OR KEY : 3 — BF1100 CABLE CORRECTOR (cable.sch): V11IN / V11OUT → V11- / V11+
VIDEO : 12 OR KEY : 4 — BF1200 CABLE CORRECTOR (cable.sch): V12IN / V12OUT → V12- / V12+

**GLOBAL_-5.2V:

BF1300 GENLOCK AND DISTRIBUTORS AND SIGNAL DECODING (genlock.sch)
SYNCIN, DATA[0:4], /CS[0]
COMMAND[0:25] → COMMAND[0:25]
TL[0:5], CD_TEST[0:5], 2HE[0:9], 2HD, H, H/2, CCL[0:9], CCP[0:9], CLOCK, RES[0:9]
**GLOBAL_+12V:
**GLOBAL_-12V:

FREEZE BOARD
FREEZIN1-, FREEZIN1+ → V13-, V13+
FREEZIN2-, FREEZIN2+ → V14-, V14+
PGM-, PGM+ → V15-, V15+

BF1800 BLACK GENERATION (black.sch)
COMMAND[9], COMMAND[1], COMMAND[18], COMMAND[22], COMMAND[23], COMMAND[25]
2HE[8:9], /CS[3], /CS[2], /CS[20], DATA[0:9], RES[0:9]
STANDARD, HLOC_N, FLOC_N, EN_BLK_Y, EN_BLK_CB, EN_BLK_CR, CSBLK1, CSBLK2, CSBLK3, DATA[0:9], RES[0:9]
FLOC[0:3], HLOC[0:3]
V0-, V0+ → V0-, V0+
KEYOUT+, KEYOUT-, /CS[1], DATA[0:7] → KEYOUT+, KEYOUT-, CS_MATRIX, DATA[0:7]

BF2000 grille.sch
A1-, A1+, A2-, A2+, A3-, A3+, A4-, A4+, A5-, A5+
B1_0, B1_1
B2_0, B2_1
FGD1_0, FGD1_1
FGD2_0, FGD2_1
MKEY1_0, MKEY1_1
MKEY2_0, MKEY2_1
VDSK0, VDSK1, KDSK0, KDSK1, KBGD0, KBGD1
FREEZ1_OUT0, FREEZ1_OUT1, FREEZ2_OUT0, FREEZ2_OUT1

MATRIX 16 X 16

BF2300 AUXILIARY (aux1.sch)
A1+, A1-, A2+, A2-, A3+, A3-, A4+, A4-, A5+, A5-
AUX10, AUX11, AUX20, AUX21, AUX30, AUX31, AUX40, AUX41, AUXDVE
→ AUX_10, AUX_11, AUX_20, AUX_21, AUX_30, AUX_31, AUX_40, AUX_41, AUX_DVE
CONNECTOR P40 AND P80

BF2600 DESERIALIZER AND PHASING BGD (desbgd.sch)
BI_0, BI_1, 2HE[0], TL[0], CD_TEST[0], 2HD, COMMAND[9]
INP+, INP-, 2H, TL, CDTEST, 2HD, STANDARD, VIDEOUT[0:9], VIDEOTEST[0:9], FLOC, HLOC, PRES
→ FLOC[0], HLOC[0], TEST[0:9], PRES[0]

BF2900 DESERIALIZER AND PHASING BGD (desbgd.sch)
B2_0, B2_1, 2HE[1], TL[1], CD_TEST[1], 2HD, COMMAND[9]
→ FLOC[0], HLOC[0], TEST[0:9], PRES[1]

BF3200 DESERIALIZER AND PHASING FGD (desfgd.sch)
FGD1_0, FGD1_1, 2HD, VIN_DVE, 2HE[6], TL[2], CD_TEST[2], COMMAND[20], COMMAND[9]
INPUT+, INPUT-, 2H, TL, CDTEST, CD_DVE, STANDARD, VIDEOUT[0:9], VIDEOTEST[0:9], FLOC, HLOC, PRES
→ FLOC[1], HLOC[1], TEST[0:9], PRES[2]

BF3500 DESERIALIZER AND PHASING FGD (desfgd.sch)
FGD2_0, FGD2_1, 2HD, VIN_DVE, 2HE[7], TL[3], CD_TEST[3], COMMAND[21], COMMAND[9]
→ FLOC[1], HLOC[1], TEST[0:9], PRES[3]

BF3800 DESERIALIZER AND PHASING (desphas.sch)
MKEY1_0, MKEY1_1, 2HE[4], TL[4], CD_TEST[4], 2HD, COMMAND[9]
→ FLOC[2], HLOC[2], TEST[0:9], PRES[4]

BF4100 DESERIALIZER AND PHASING (desphas.sch)
MKEY2_0, MKEY2_1, 2HE[5], TL[5], CD_TEST[5], 2HD, COMMAND[9]
→ FLOC[2], HLOC[2], TEST[0:9], PRES[5]

PROCESSING BOARD
K1[0:9], K2[0:9], TEST[0:9]

BORDER GENERATOR BOARD
VDSK+, VDSK-, KDSK+, KDSK-, KBGD+, KBGD-

FREEZE BOARD
FREEZOUT1+, FREEZOUT1-, FREEZOUT2+, FREEZOUT2-

BF4500 MICROPROCESSOR INTERFACE BOARD (micropr.sch)
DATAMP[0:15], AD[0:6], CTRLBUS
/CS[0:20], DATA[0:14], ADI[0:6]

BF4600 VIDEO PROCESS 1 (process1.sch)
DI[0:9], CCP[0:9], CCL[0:9], DATA[0:11], ADI[0:4], /CS[4:8], COMMAND[10], 2HE[6:7], H, H/2
VIDEOIN[0:9], ADE[0:4], CSE[0:4], WSL, 2HE[0:1], VIDEOUT[0:9]
→ BGDI[0:9]

BF4900 VIDEO PROCESS 2 (process2.sch)
D2[0:9], CCP[0:9], CCL[0:9], DATA[0:9], /CS[8:11], 2HE[8:9], H, H/2
VIDEOIN[0:9], CCPE[0:9], CCLE[0:9], DATAE[0:9], CSE[0:3], 2HE[0:1], HE, H/2E, VIDEOUT[0:9]
→ BGD2[0:9]

PROCESSING BOARD

BF5200 VIDEO PROCESS 1 (process1.sch)
CCP[0:9], CCL[0:9], DATA[0:11], ADI[0:4], /CS[12:16], COMMAND[10], 2HE[12:13], H, H/2
VIDEOIN[0:9], CCPE[0:9], CCLE[0:9], DATAE[0:9], ADE[0:4], CSE[0:4], WSL, 2HE[0:1], HE, H/2E, VIDEOUT[0:9]
→ FGDI[0:9]

BF5500 VIDEO PROCESS 2 (process2.sch)
D4[0:9], CCP[0:9], CCL[0:9], DATA[0:9], /CS[16:19], 2HE[14:15], H, H/2
VIDEOIN[0:9], CCPE[0:9], CCLE[0:9], DATAE[0:9], CSE[0:3], 2HE[0:1], HE, H/2E, VIDEOUT[0:9]
→ FGD2[0:9]

PROCESSING BOARD

**GLOBAL_+5V:
**GLOBAL_GND:

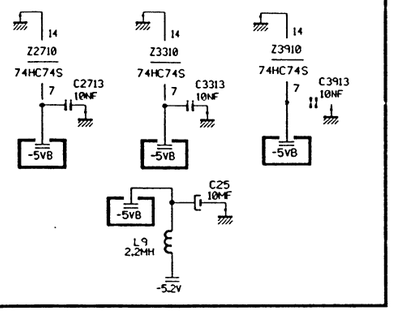
9200

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	1/38	BF1	

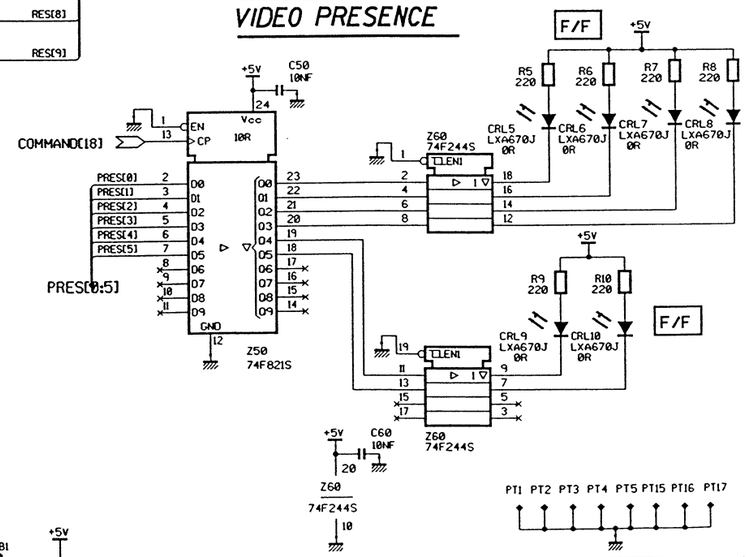
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data access

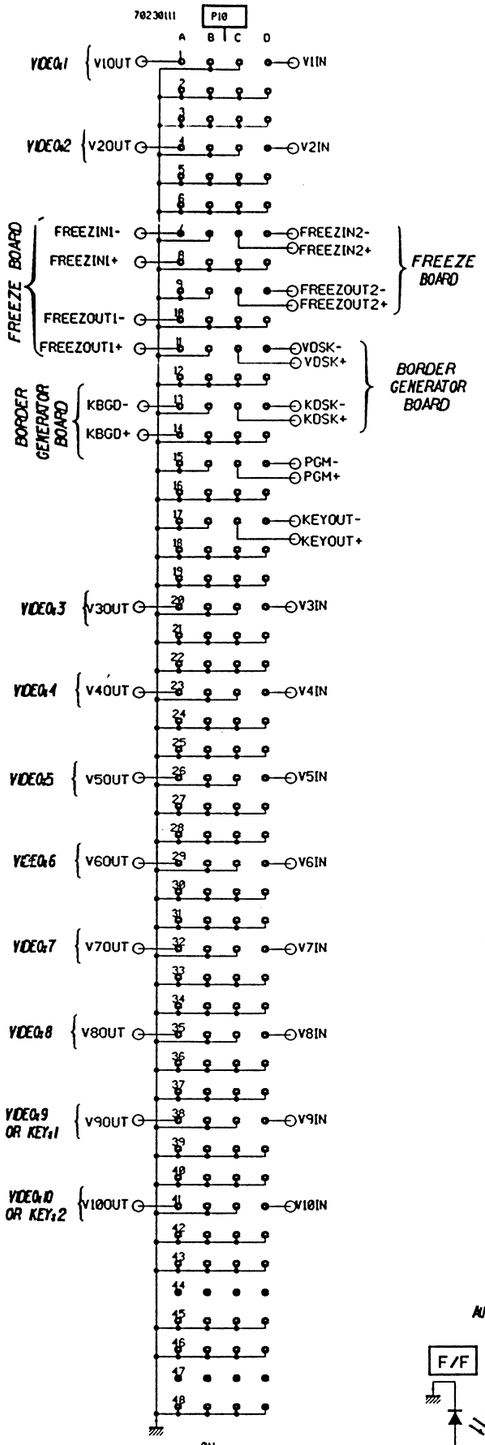
POWER Z2710-Z3310-Z3910

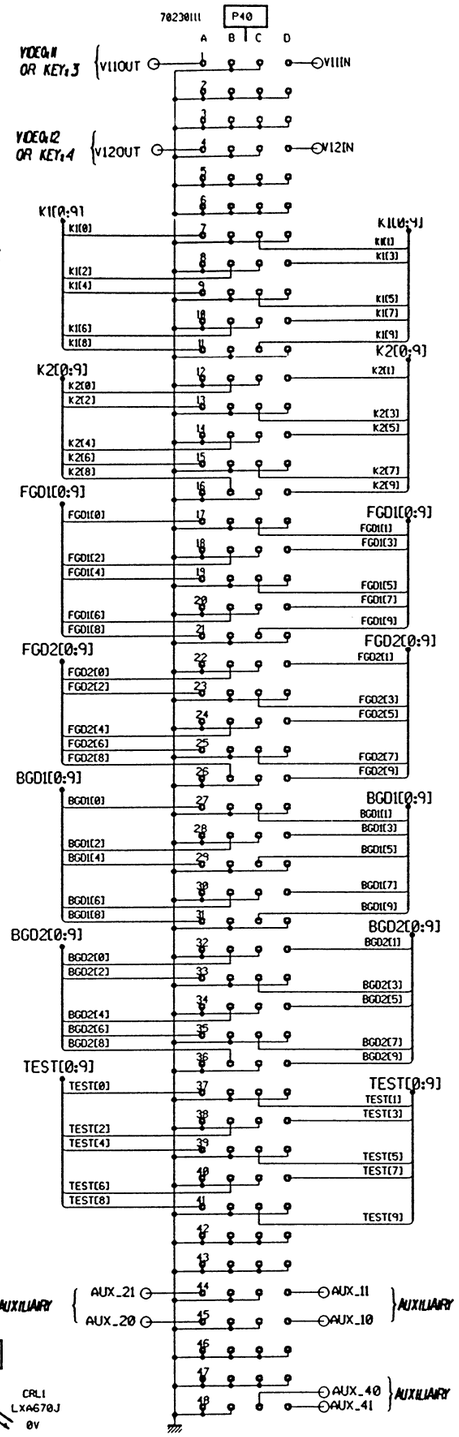


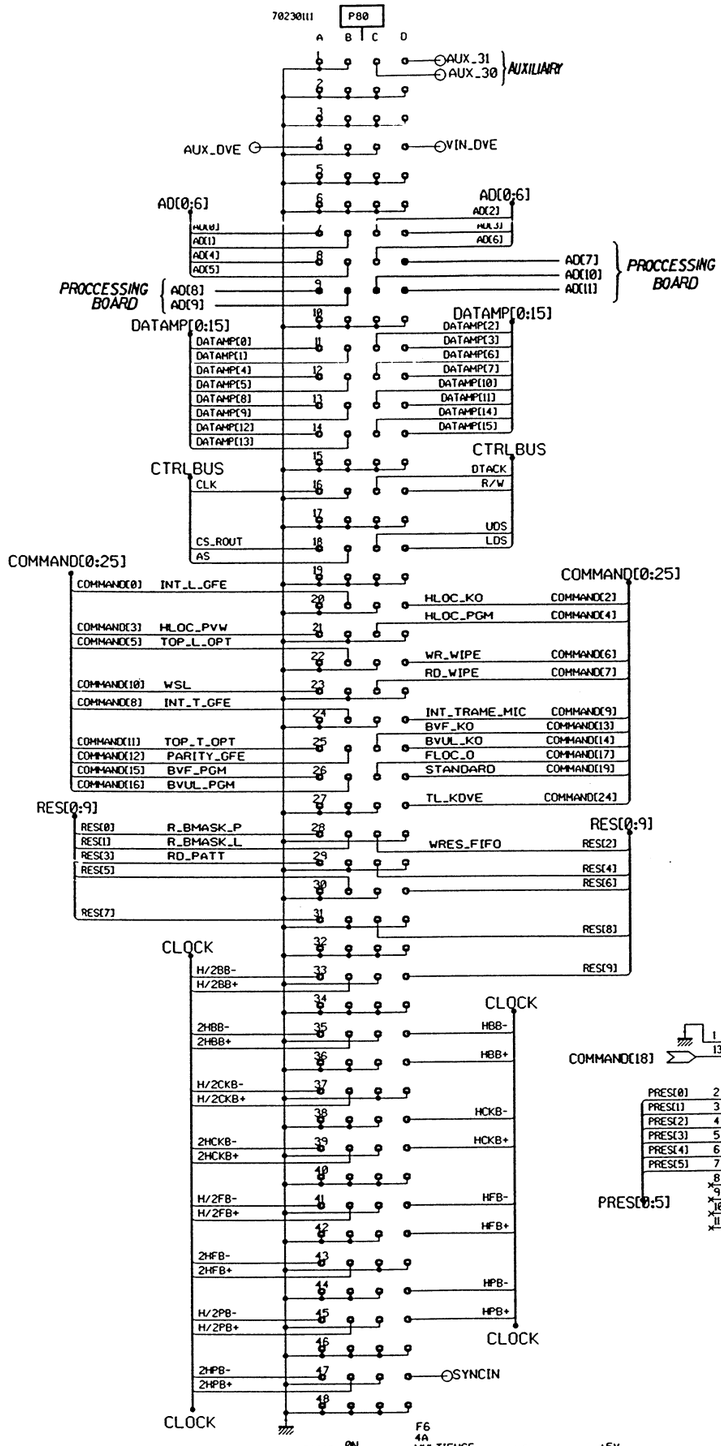
VIDEO PRESENCE

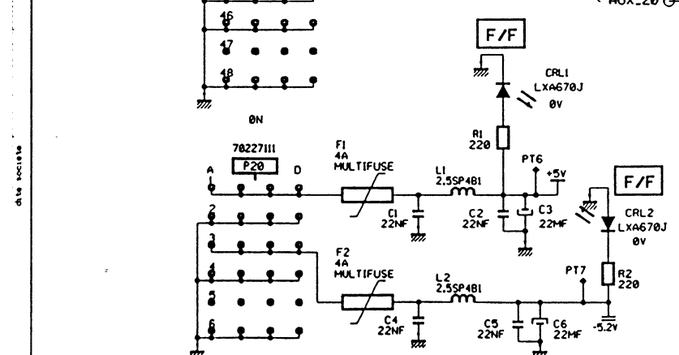


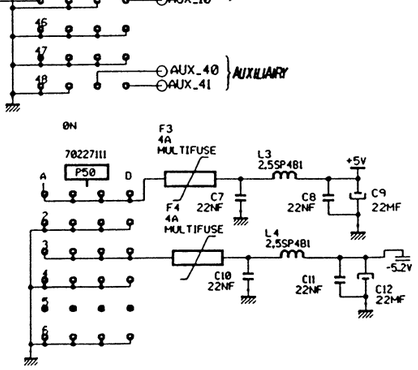
INTERCONNEXION

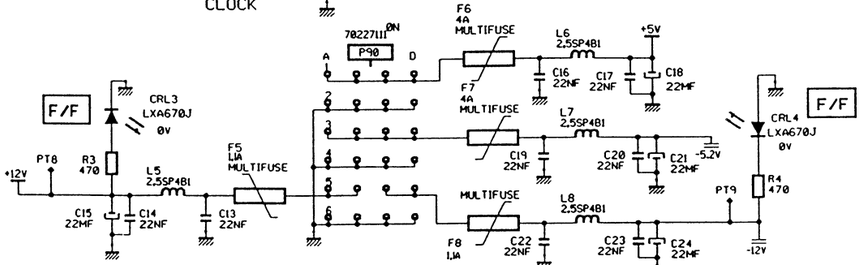




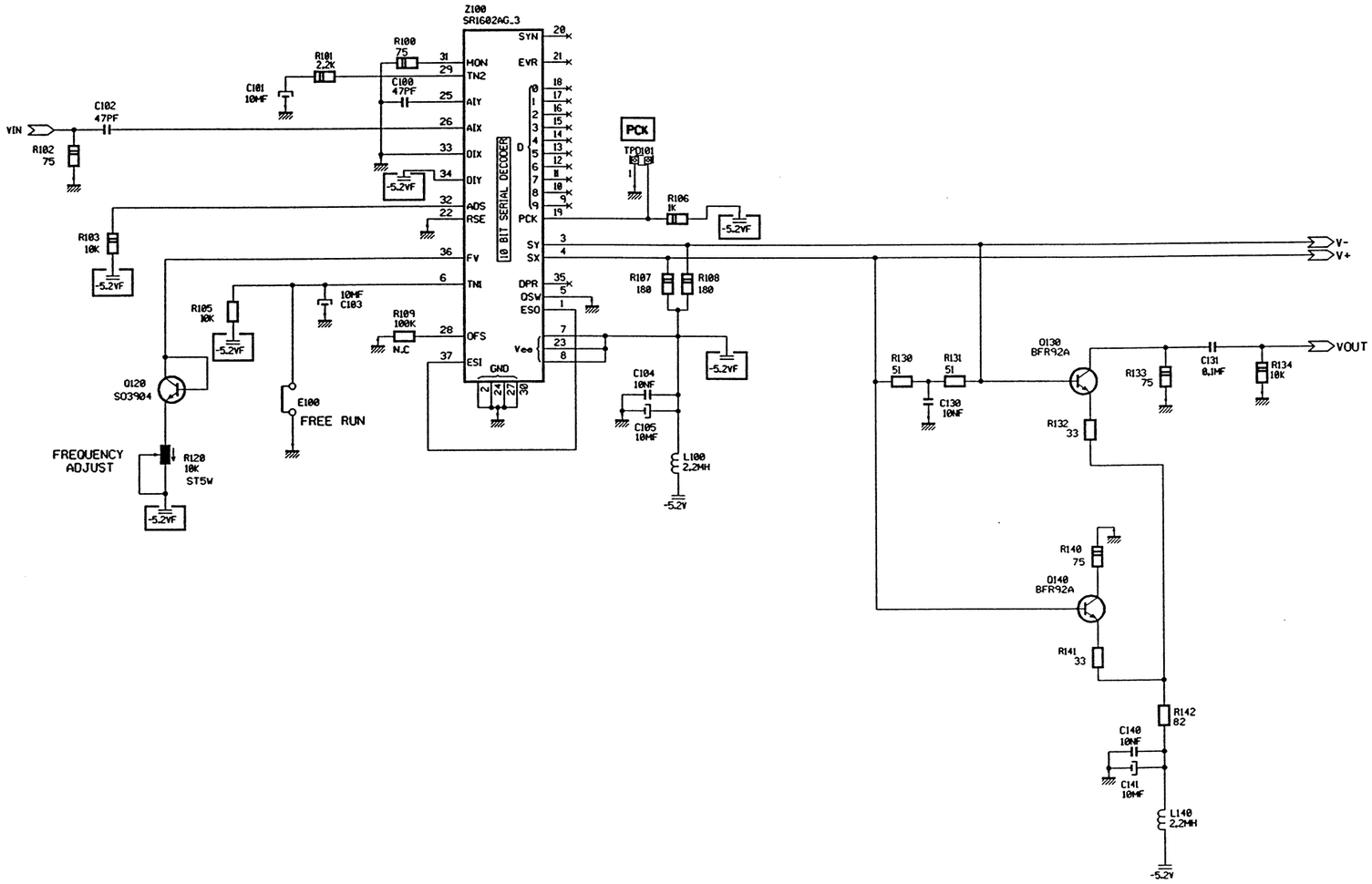








						9200
	TITLE	ROUTING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	2/38	BF1	



RESISTOR RC3715 1 %

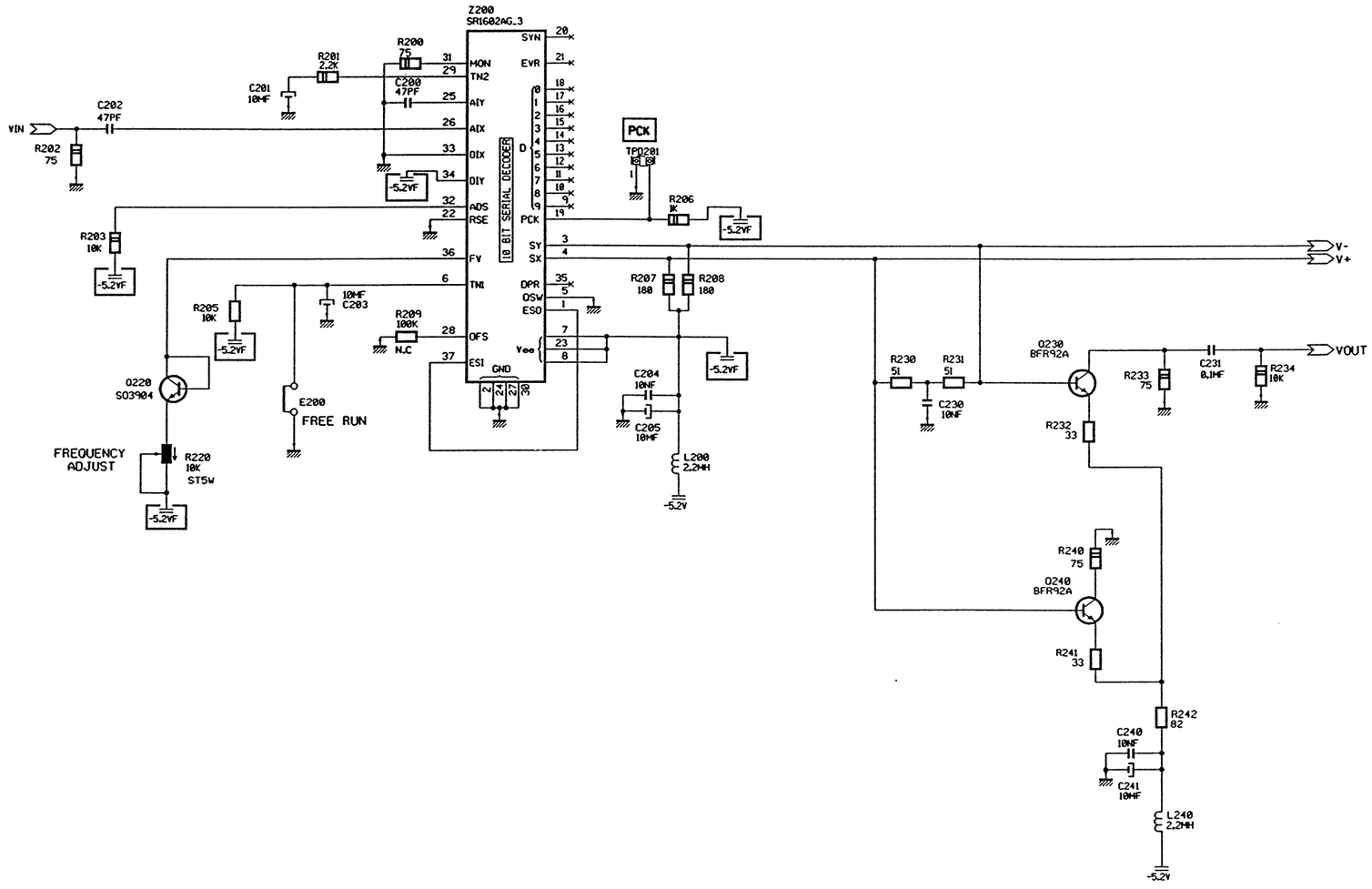
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	Ø30	3/38	BF100	

NODE NAME: 3c967991a21 SCHEMATIC NAME: cable.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

01 BT autorized person of INTATOUR DEVELOPMENT.

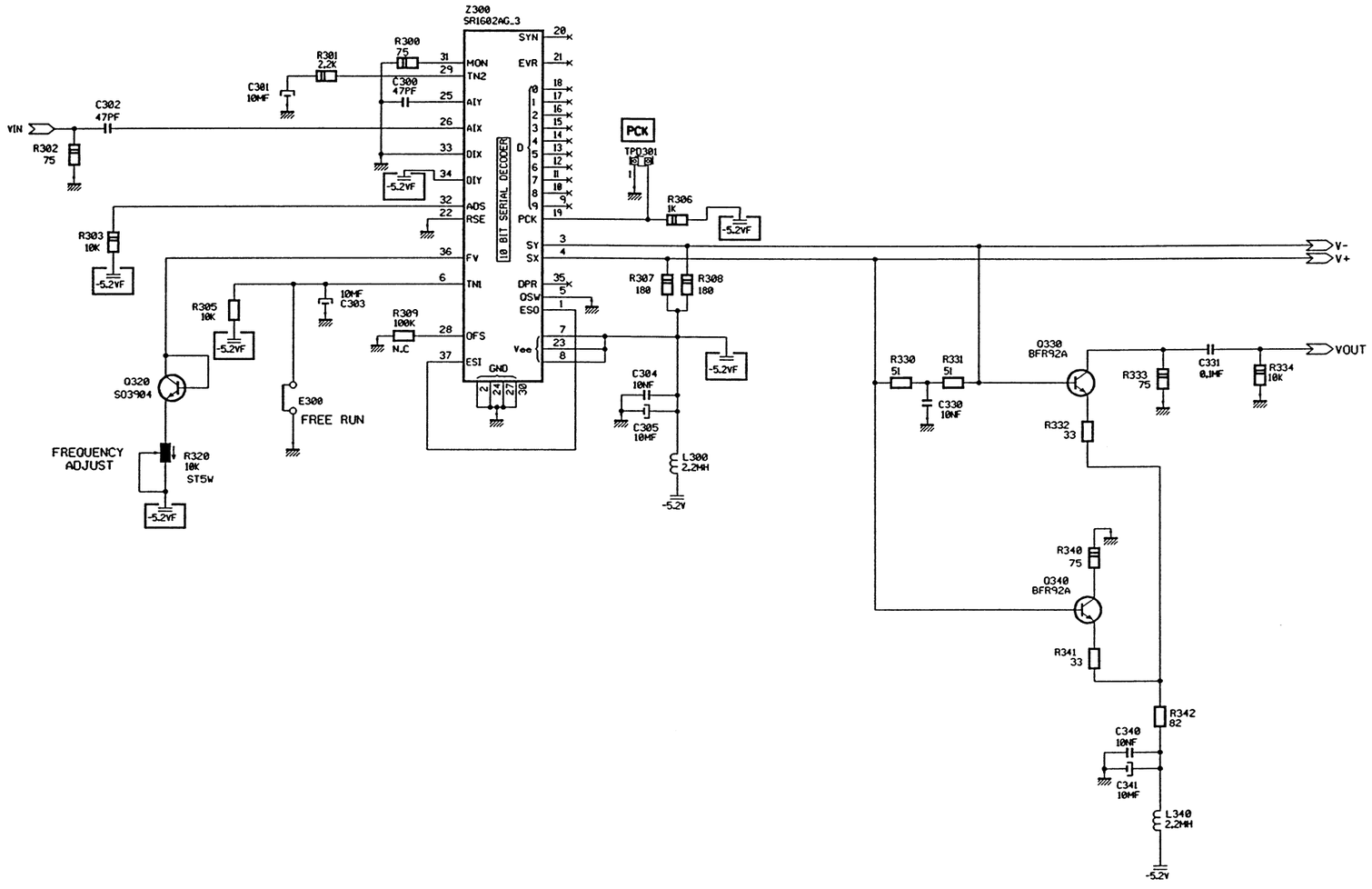


RESISTOR RC3715 1 %

RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	4/38	BF200	



RESISTOR RC3715 1 %

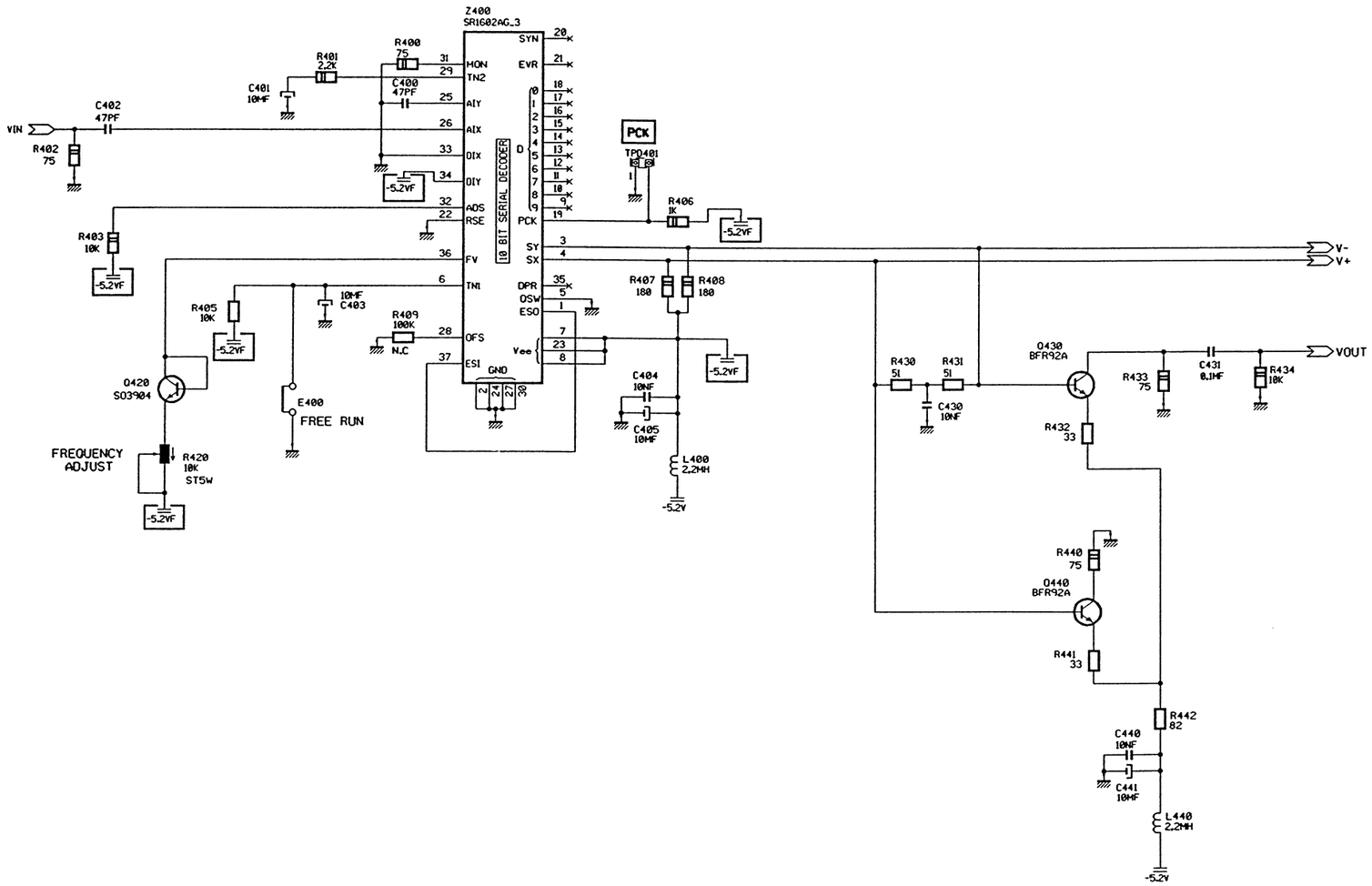
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	5/38	BF300	

NODE NAME: 3c967991all SCHEMATIC NAME: cable.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

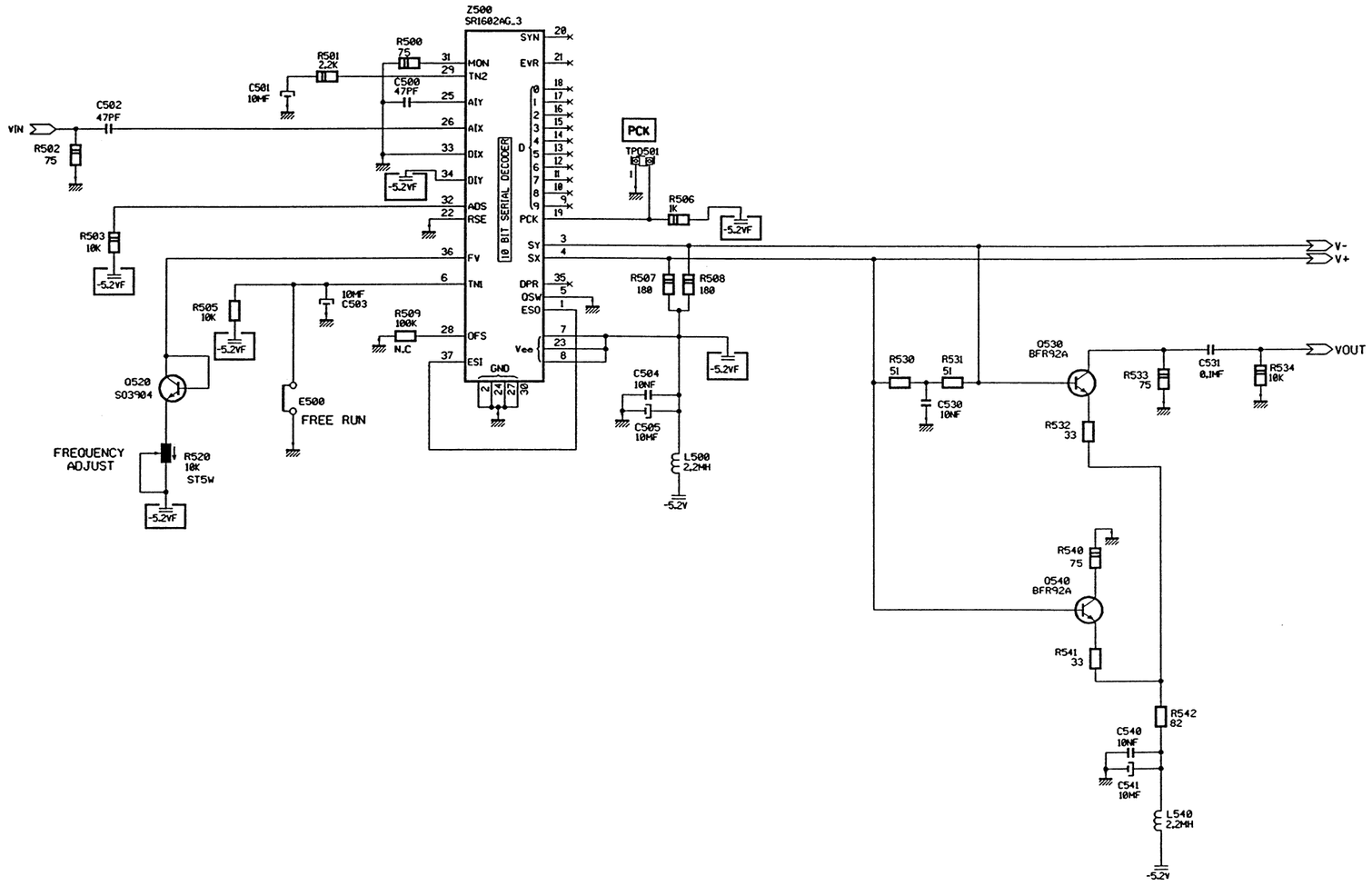
of an authorized person of THOMSON BROADCAST.



RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	6/38	BF400	



RESISTOR RC3715 1 %

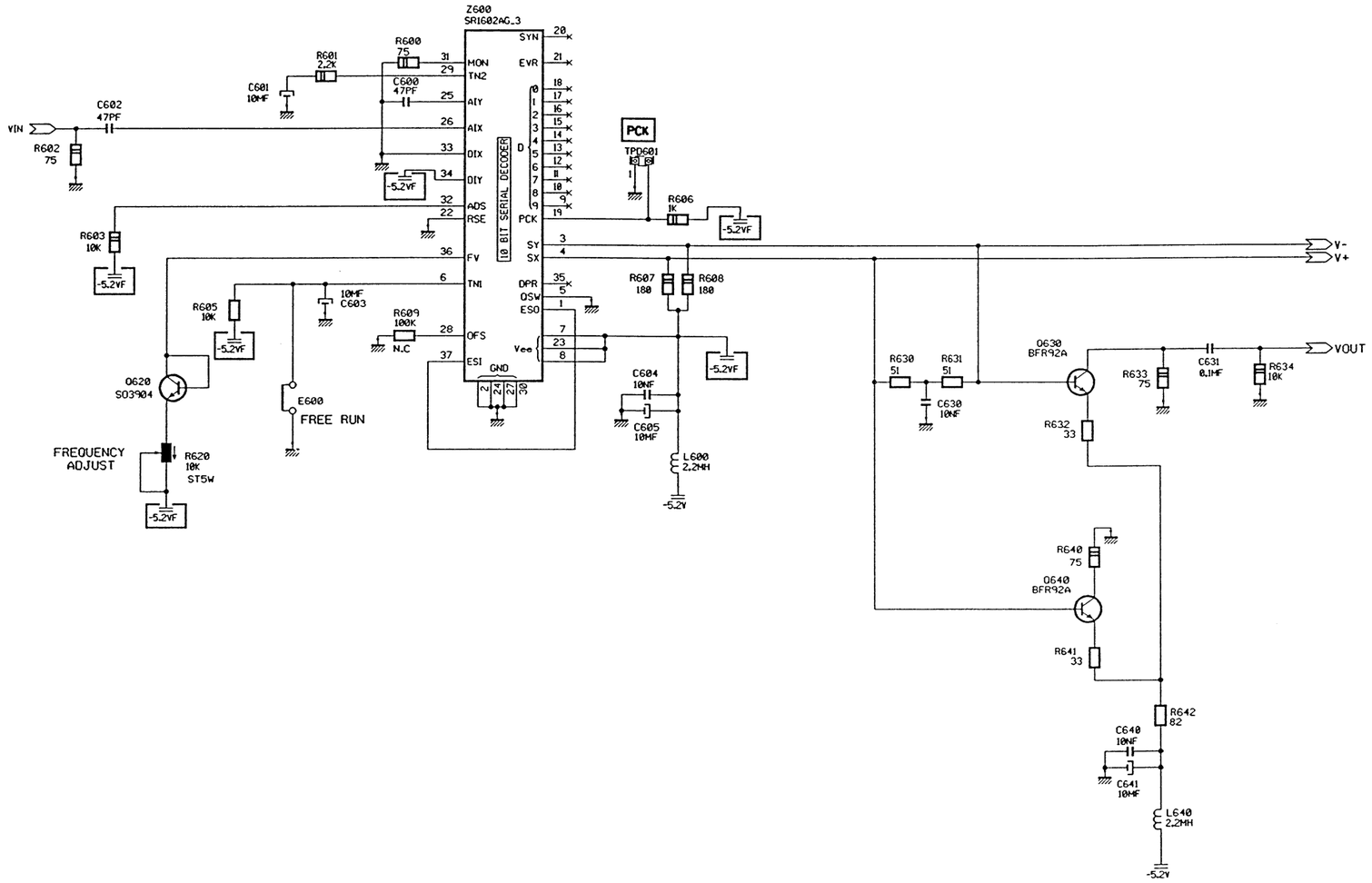
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200				
	TITLE ROUTING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967991	A	030	7/38	BF500

NODE NAME: 3c967991a10 SCHEMATIC NAME: cable.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

of an authorized person of THOMSON BROADCAST.



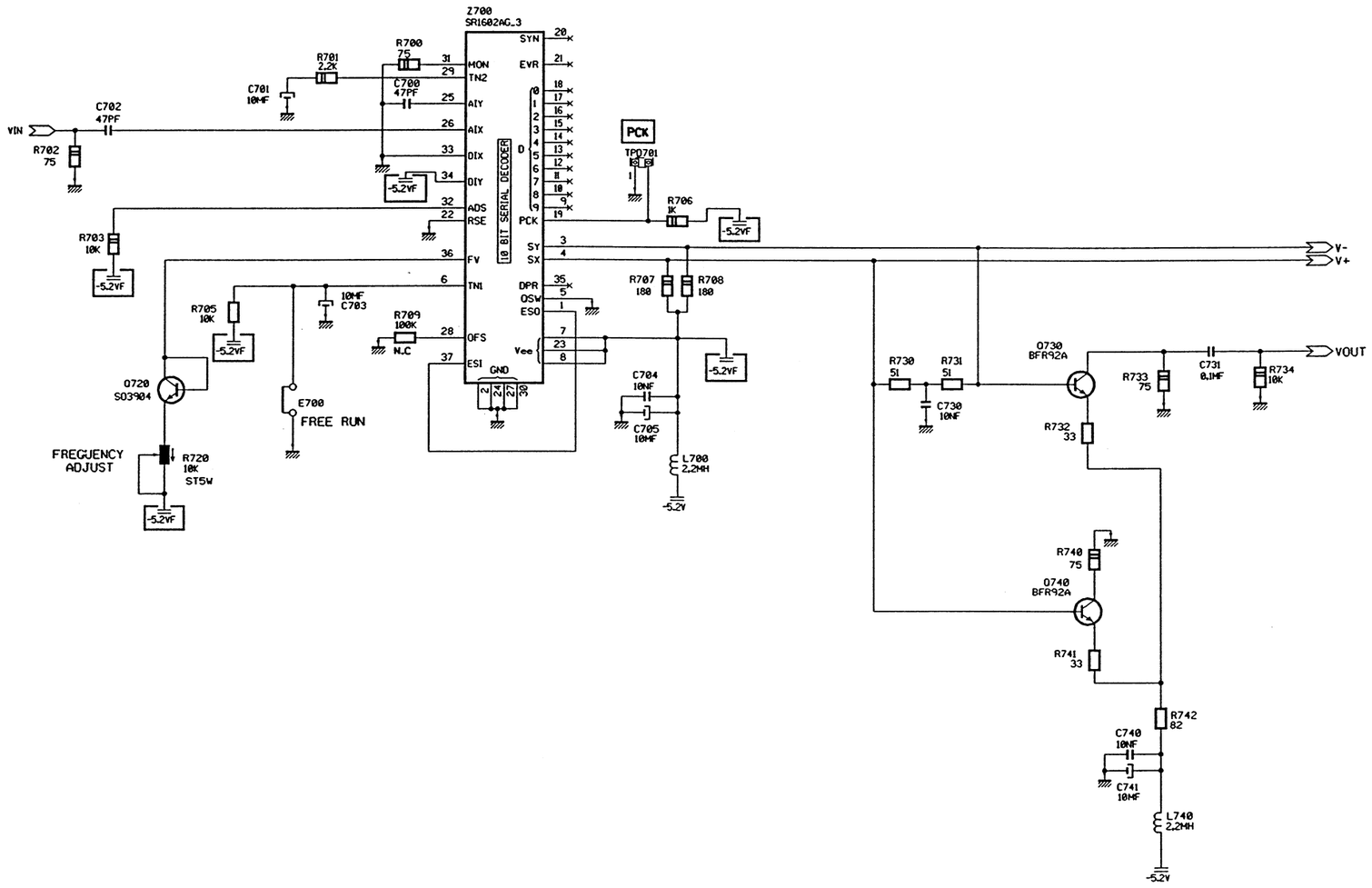
RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	8/38	BF600	

NODE NAME: 3c967991a6 SCHEMATIC NAME: cable.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

of an authorized person of THOMSON BROADCAST.

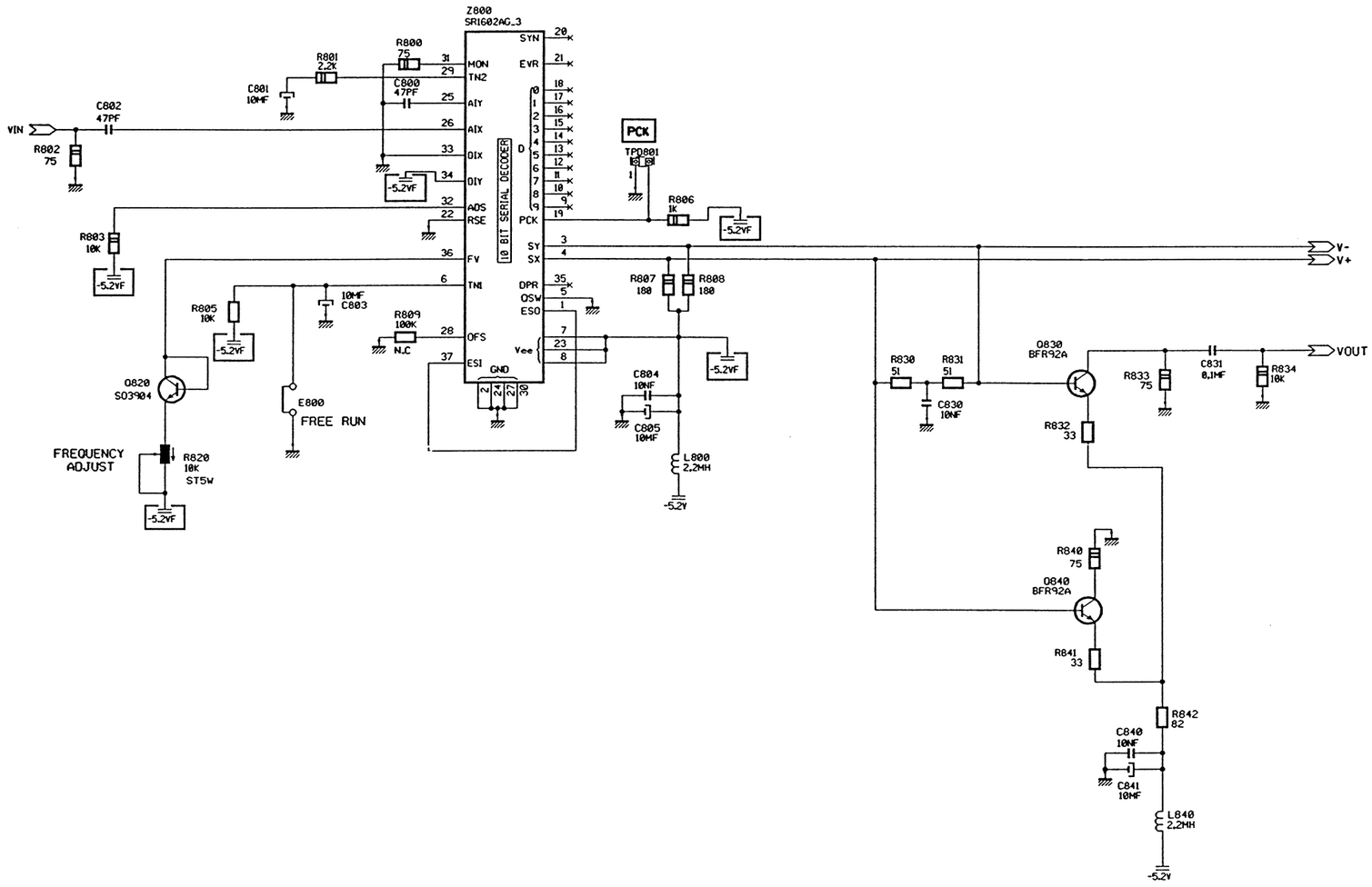


RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	9/38	BF700	

nor transmitted to a third party without written permission
of an authorized person of THOMSON BROADCAST.

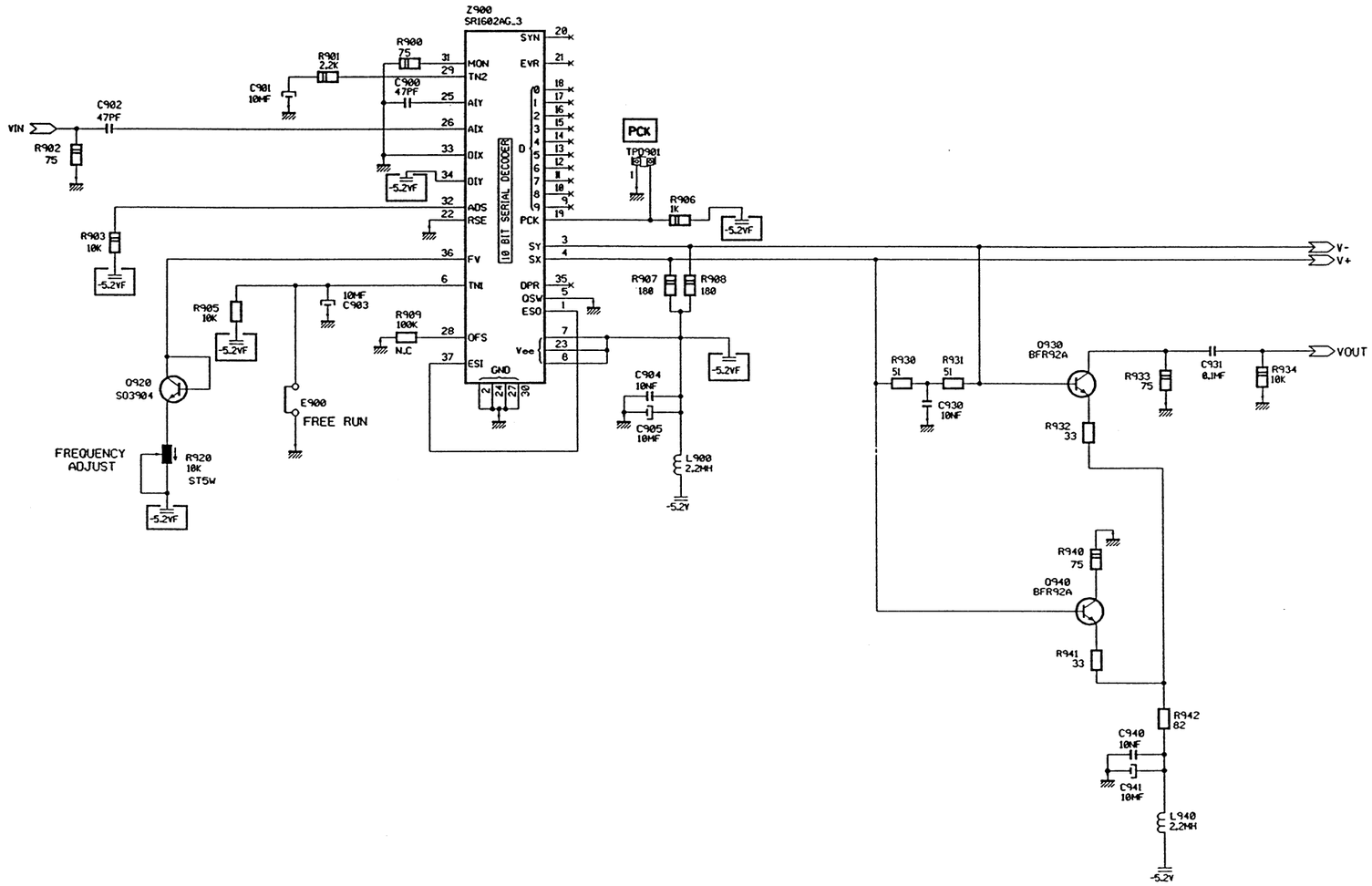


RESISTOR RC3715 1 %
RESISTOR RC0805 5 %

CABLE CORRECTOR

	9200					
	TITLE ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	10/38	BF800	

ol an authorized person of THOMSON BROADCAST.

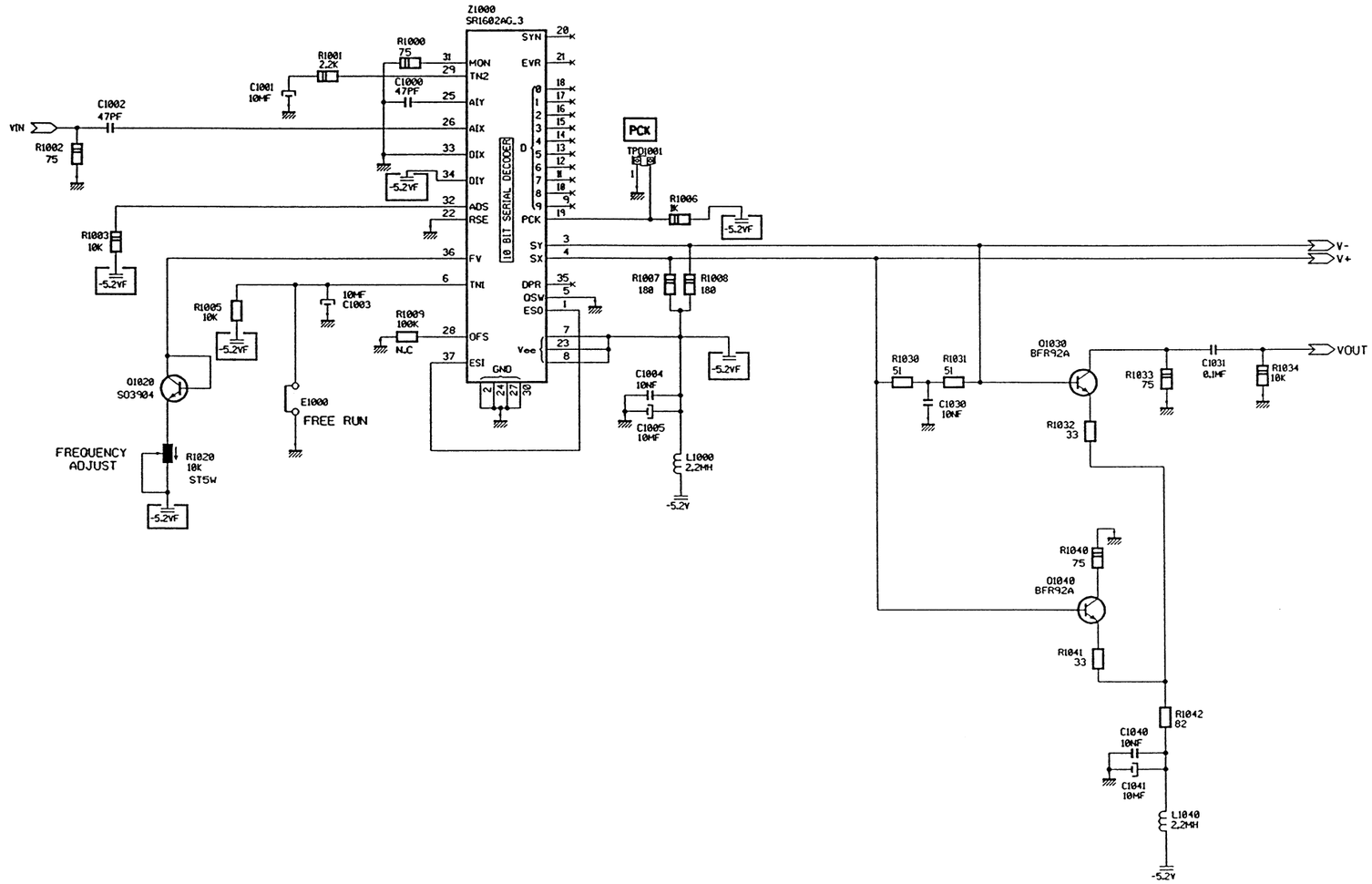


RESISTOR RC3715 1 %
RESISTOR RC0805 5 %

CABLE CORRECTOR

	9200				
	TITLE ROUTING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967991	A	030	11/38	BF900

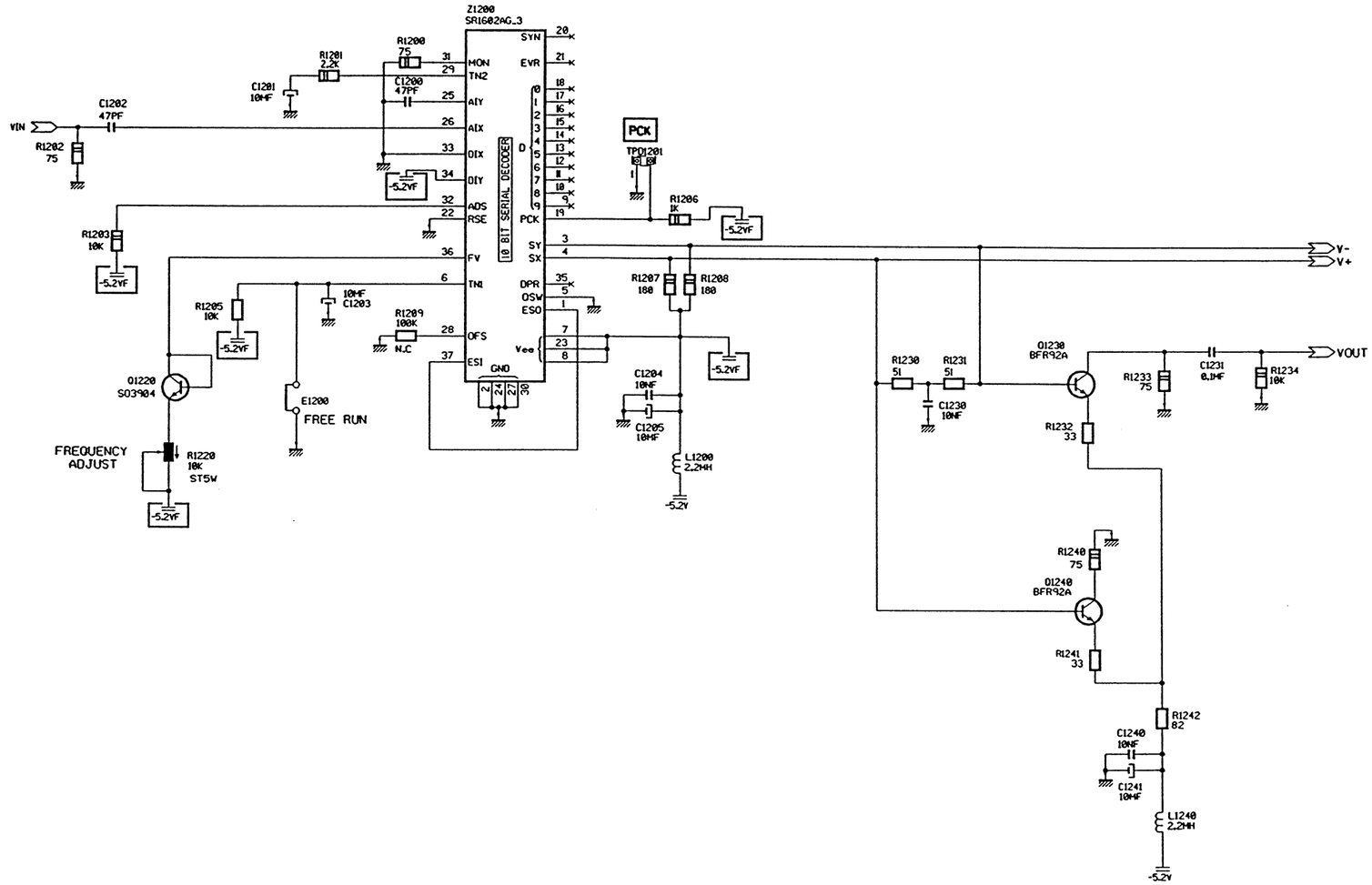
of an authorized person of THOMSON BROADCAST.



RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

CABLE CORRECTOR

	9200				
	TITLE: ROUTING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967991	A	030	12/38	BF1000



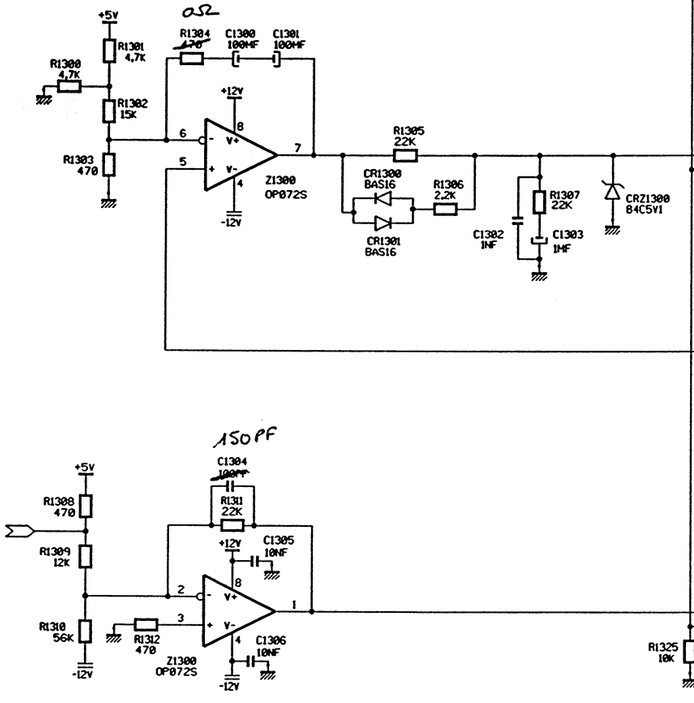
RESISTOR RC3715 1 %

RESISTOR RCC0805 5 %

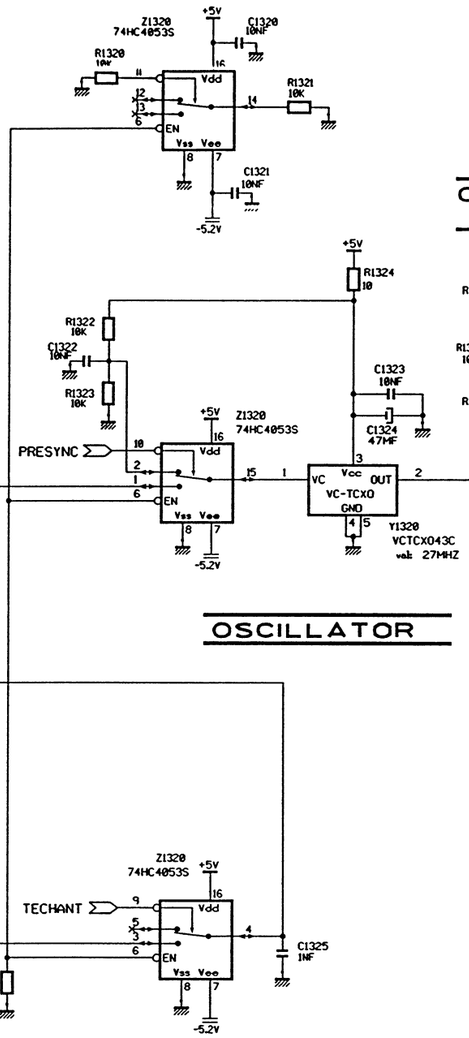
CABLE CORRECTOR

	9200					
	TITLE ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	14/38	BF1200	

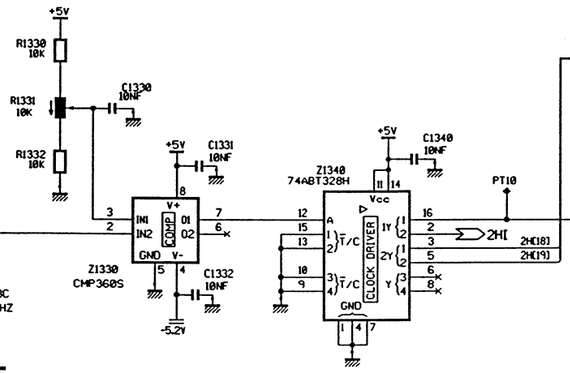
LOW PASS FILTER

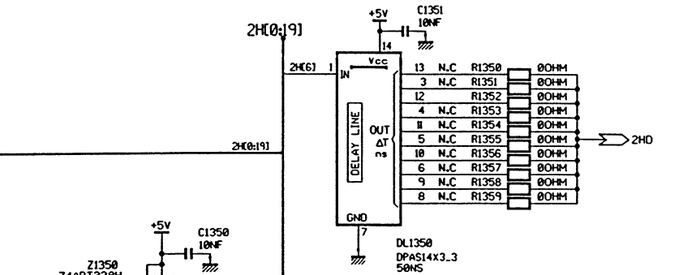


OSCILLATOR

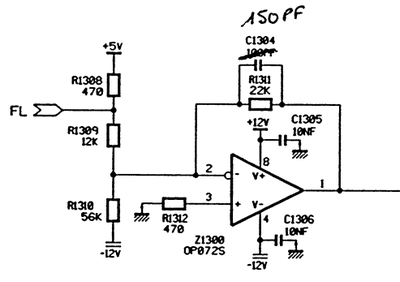


CLOCK SYMETRIE ADJUSTMENT

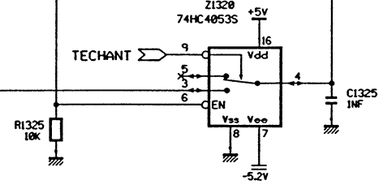




INTEGRATOR



SAMPLING



GENLOCK AND DISTRIBUTIONS AND SIGNAL DECODING

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	9200					
	TITLE ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	E	030	15/38	BF1300	

of an authorised person of THOMSON BROADCAST.

POINT COUNTER

RESET_CP
PT1300
RESET_CP
2H[3]
R1380 4,7K
R1381 4,7K
Z1380 74F163S
C1380 10NF
CP[0:10]
CP[0]
CP[1]
CP[2]
Z1390 74F163S
C1390 10NF
R1390 4,7K
CP[4]
CP[5]
CP[6]
CP[7]
Z1400 74F163S
C1400 10NF
R1400 4,7K
CP[8]
CP[9]
CP[10]

LINE COUNTER

RESET_CL
PT1301
RESET_CL
2H[0]
ENCPL
R1410 4,7K
Z1410 74F163S
C1410 10NF
CL[0:9]
CL[0]
CL[1]
CL[2]
CL[3]
Z1420 74F163S
C1420 10NF
R1420 4,7K
CL[4]
CL[5]
CL[6]
CL[7]
Z1430 74F163S
C1430 10NF
R1430 4,7K
CL[8]
CL[9]

Z1440 EP7032L 15NS
C1440 10NF
C1441 10NF
C1442 10NF
C1443 10NF
R1440 4,7K
R1441 4,7K
R1442 4,7K
2H[2]
GCLRN
OE
GCLK
I/O
E P L
PARITY
ST
TEST_DEL0
TEST_DEL1
DVE_DEL
PULSE_PARITY
R1443 4,7K
E1440
PT1302
HLOC_PGM
EN_BLK_CR COMMAND[25]
INT_L_GFE COMMAND[0]
HLOC_N COMMAND[1]
HLOC_KO COMMAND[2]
HLOC_PVW COMMAND[3]
HLOC_PGM COMMAND[4]
TOP_L_OPT COMMAND[5]
WR_WIPE COMMAND[6]
RD_WIPE COMMAND[7]
PARITY_GFE COMMAND[12]
EN_BLK_Y COMMAND[22]
EN_BLK_CB COMMAND[23]
TL_KDVE COMMAND[24]
COMMAND[0:25]

Z1450 EP7032L 15NS
C1450 10NF
C1451 10NF
C1452 10NF
C1453 10NF
R1450 4,7K
R1451 4,7K
R1452 4,7K
2H[2]
PHAS_FGD[0:3]
ST
DVE_DEL (TO Z1440)
H_BLK_PGM
H_BLK_KO
TL[0:5]
TL[0]
TL[1]
TL[2]
TL[3]
TL[4]
TL[5]

Z1460 EP7032L 15NS
C1460 10NF
C1461 10NF
C1462 10NF
C1463 10NF
R1460 4,7K
R1461 4,7K
R1462 4,7K
2H[2]
L[0:2]
V_BLK_N
RESET_CP
ENCPL
R_W_P
TECHANT
R_BMASK_P RES[0]
RD_PATT RES[3]
BVF_N RES[4]
BVUL_N RES[5]
RES[6]
RES[7]
RES[8]
RES[9]
RES[0:9]

Z1470 EP7032L 15NS
C1470 10NF
C1471 10NF
C1472 10NF
C1473 10NF
R1470 4,7K
R1471 4,7K
R1472 4,7K
2H[2]
COMMAND[0:25]
INT_T_GFE COMMAND[8]
INT_TRAME_MIC COMMAND[9]
WSL COMMAND[10]
TOP_T_OPT COMMAND[11]
BVF_KO COMMAND[13]
BVUL_KO COMMAND[14]
BVF_PGM COMMAND[15]
BVUL_PGM COMMAND[16]
FLOC_O COMMAND[17]
FLOC_N COMMAND[18]
R_BMASK_L
WRES_FIFO
RESET_CL
R_W_L
RES[0:9]
RES[1]
RES[2]
PULSE_PARITY
H_BLK_KO
H_BLK_PGM
ST
INT_L_GFE COMMAND[0]
CL[0:9]

Z1480 74F574S
C1480 10NF
R1480 220
CS_CONF_ROUT
DATA[0:14]
CD_TEST[0:5]
TEST_DEL0
R1482 4,7K
R1481 0OHM
ST

Z1490 74F574S
C1490 10NF
R1490 220
COMMAND[0:25]
STANDARD COMMAND[19]
DVE_F1 COMMAND[20]
DVE_F2 COMMAND[21]
PHAS_FGD[0]
PHAS_FGD[1]
PHAS_FGD[2]
PHAS_FGD[3]
TEST_DEL1
PHAS_FGD[0:3]

Z1500 74F574S
C1500 10NF
R1500 220
2HI
H
H/2
H_P
H/2_P
H_O
H/2_O

GENLOCK AND DISTRIBUTIONS AND SIGNAL DECODING

	9200					
	TITLE ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	Ø30	16/38	BF1300	

NODE NAME: 3c967991a26 SCHEMATIC NAME: genlock.sch SHEET NUMBER: 2 DATE: Jun 6, 1994

of an authorized person of THOMSON BROADCAST.

SYNCIN
C1540 22HF
C1541 22HF
R1540 150K
R1541 30K
CR1540 BAS16
Q1540 SO2222
R1542 620
C1542 100PF 470PF
R1550 3K
R1551 1K
R1552 2K
R1553 2K
Z1550 OP072S
CR1550 BAS16
C1552 0,1MF
R1556 1M
R1554 10K
R1555 39K
Z1550 OP072S
C1550 10NF
C1551 10NF
CR1551 BAS16
Q1560 SST110
R1560 100K
C1570 2,2PF
R1573 1KΩ
C1571 10NF
R1570 1K
R1571 10K
R1572 2K
C1569 470PF
Z1570 OP072S
C1572 10NF
100nF
C1574
SYNCHRO_IN
PT1303
R1575 1K 2K
R1581 150K
R1580 240K
C1581 22NF 01MF
L1580 2,2MH
C1580 10NF
Z1580 GS 9282 CKA-SOP
R1592 15K
R1593 33K
R1594 3,6K
R1595 33K
PT12
PT13
PARITY

LINE SYNC

R1590 15K
R1591 33K
Z1590 74F14S
Z1590 74F14S
R1600 10K
R1601 10K
R1602 10K
C1600 6,8NF
Z1600 74HCT221S
PT11

HALF LINES SUPPRESSION

R1610 100K
R1611 220
R1612 10K
C1610 10NF
Z1610 74HCT123S
PRESYNC
FL

VERTICAL BLANKING

Z1590 74F14S
Z1590 74F14S

FRAME PARITY

Z1590 74F14S
Z1590 74F14S

FREE

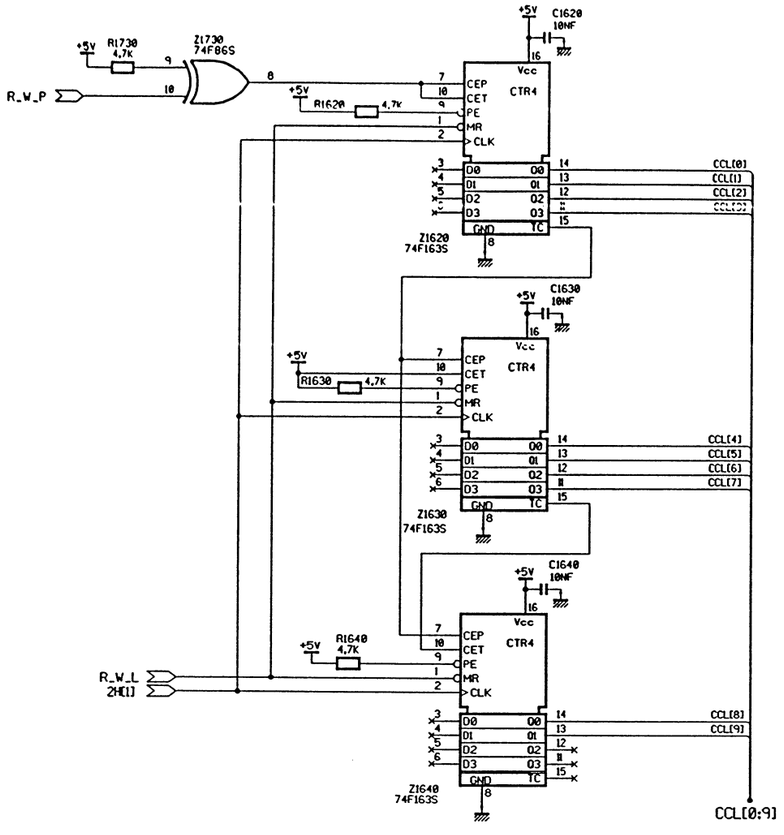
Z1570 OP072S
Z1610 74HCT123S
R1613 10K
R1614 10K
R1615 10K
R1616 10K
R1617 10K
Z1600 74HCT221S
R1603 10K
R1604 10K
R1605 10K
R1606 10K
R1607 10K

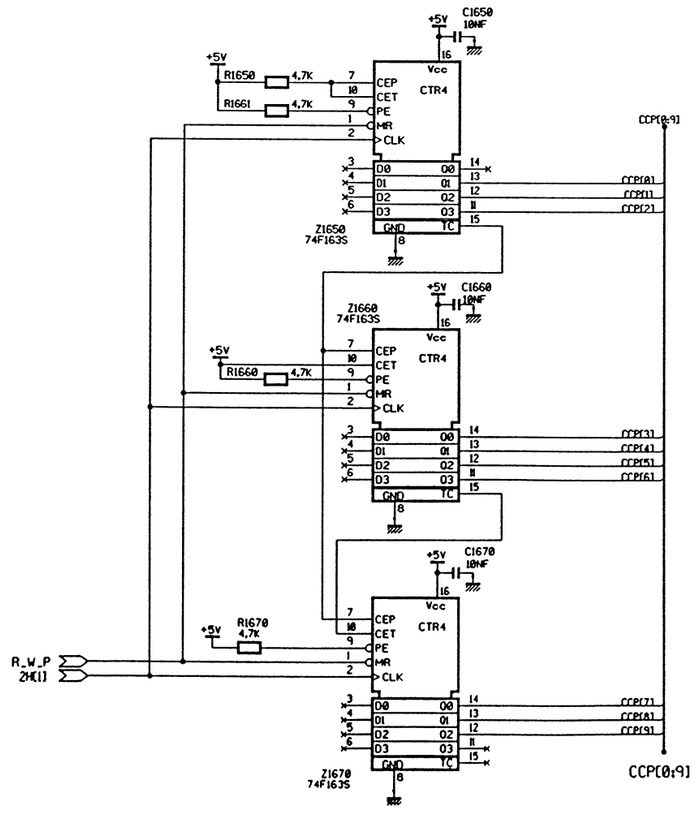
C1601 10NF — Z1600 74HCT221S
C1590 10NF — Z1590 74F14S
C1611 10NF — Z1610 74HCT123S

GENLOCK AND DISTRIBUTIONS AND SIGNAL DECODING

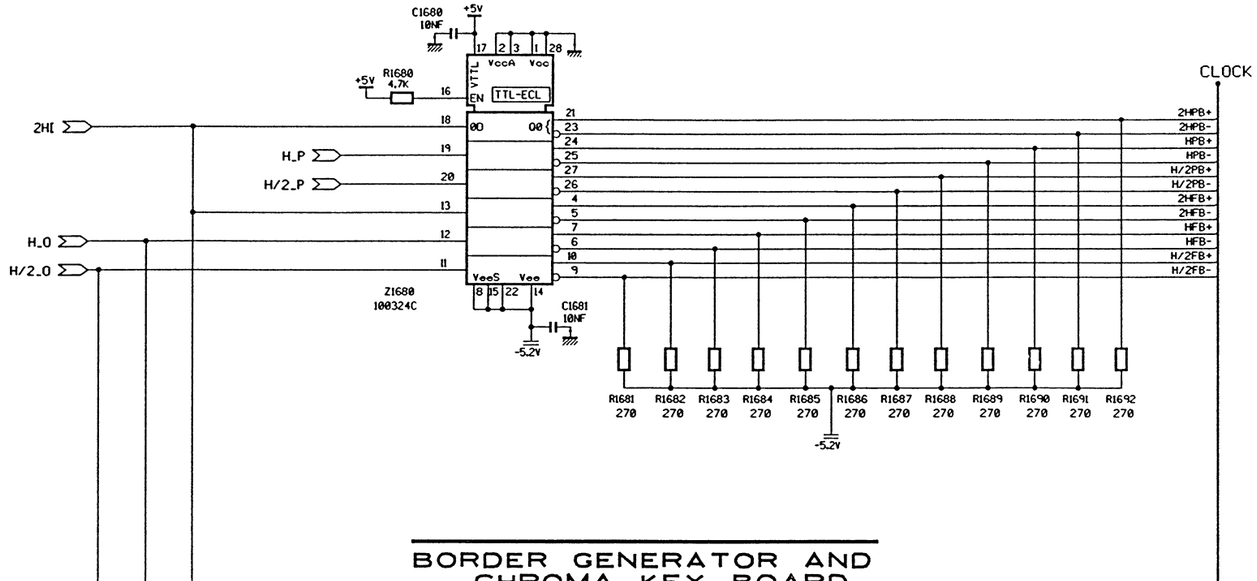
	9200				
	TITLE: ROUTING BOARD				
THOMSON	DRAWING NO: 3C967991	REV: G	CODE: 030	SHEET: 17/38	BLOCK: BF1300

per transmitted to a third party without the written permission
of an authorized person of THOMSON BROADCAST.

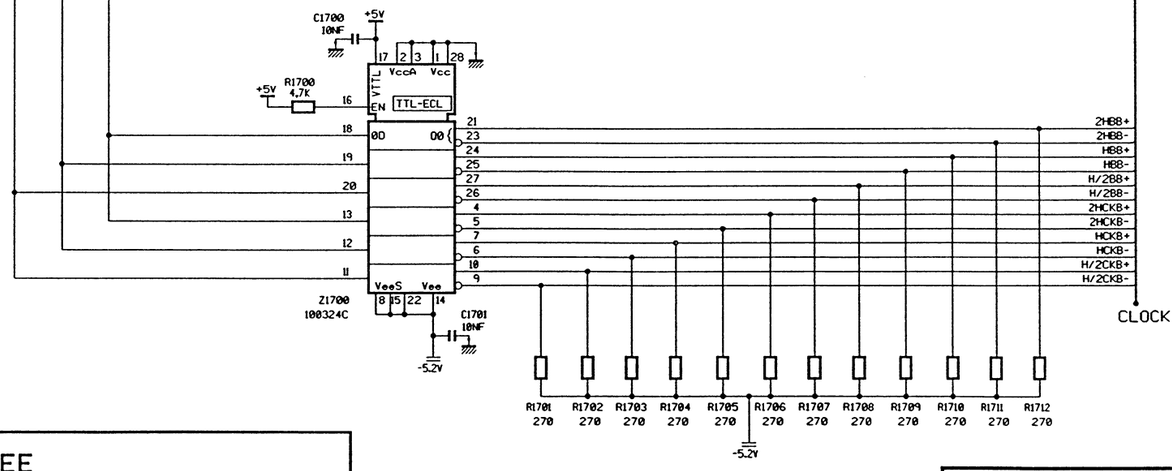




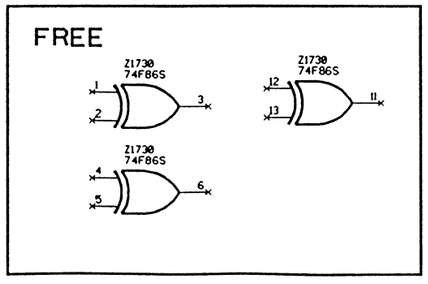
PROCESSING AND FREEZE BOARD



BORDER GENERATOR AND CHROMA KEY BOARD



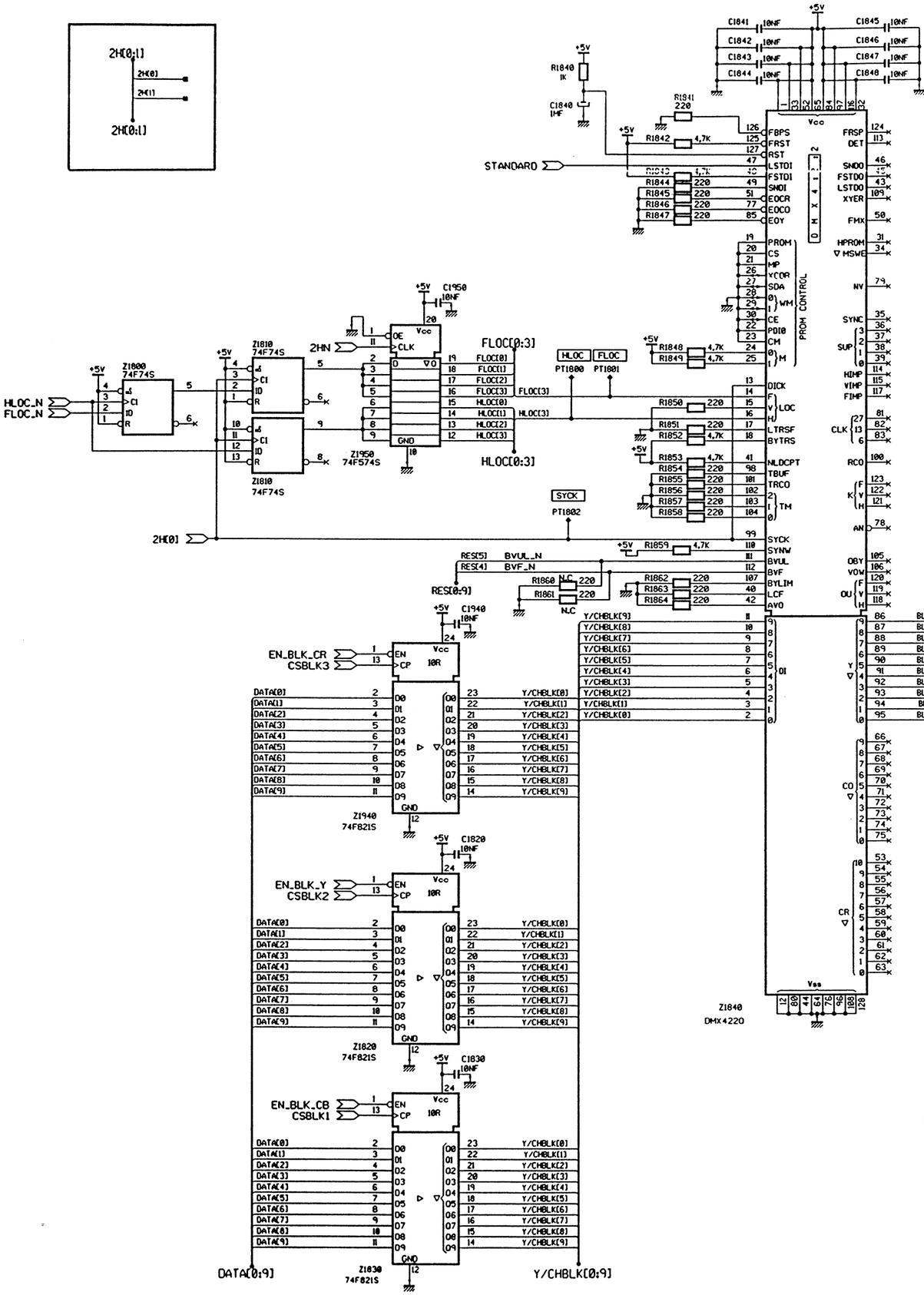
FREE

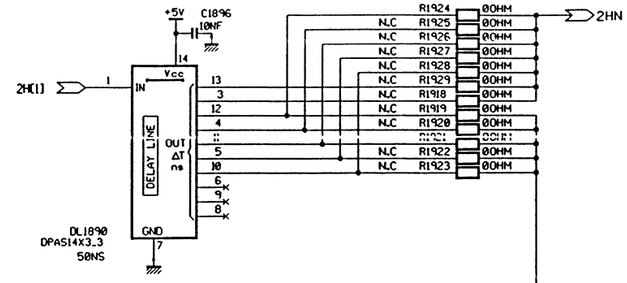


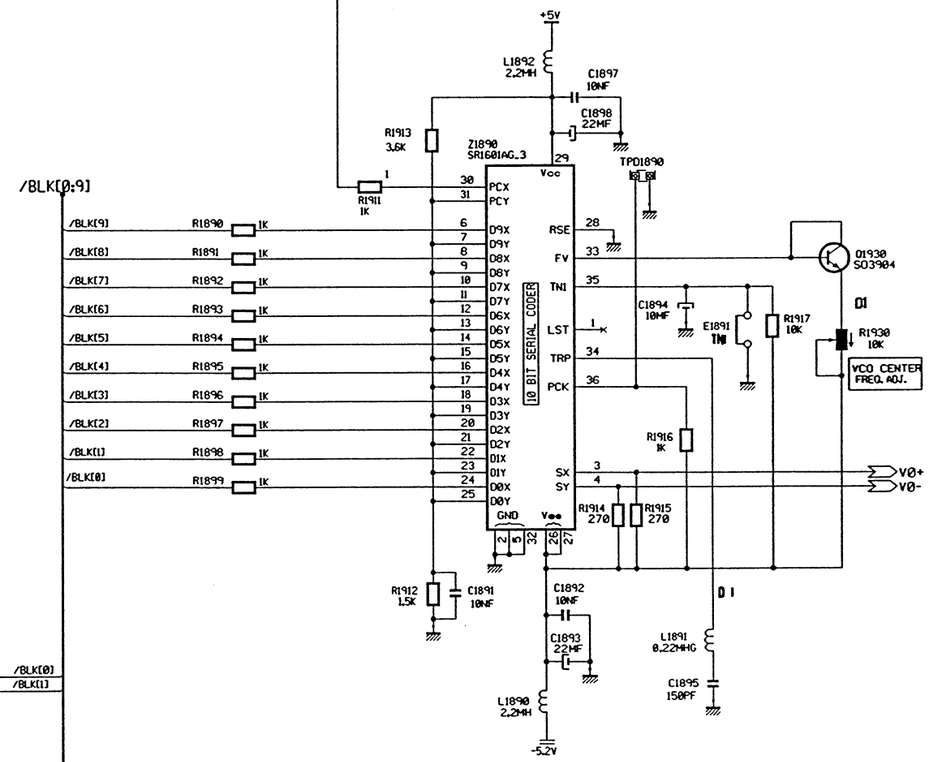
GENLOCK AND DISTRIBUTIONS AND SIGNAL DECODING

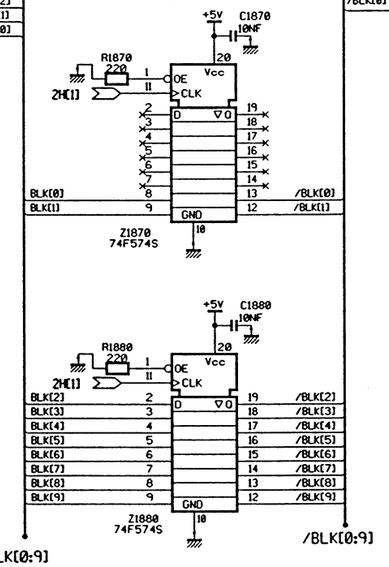
	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	18/38	BF1300	

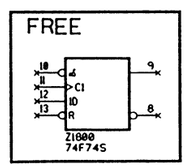
not transmitted to a third party without the written permission of an authorized person of THOMSON BROADCAST.

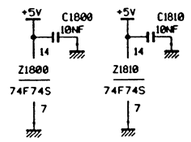










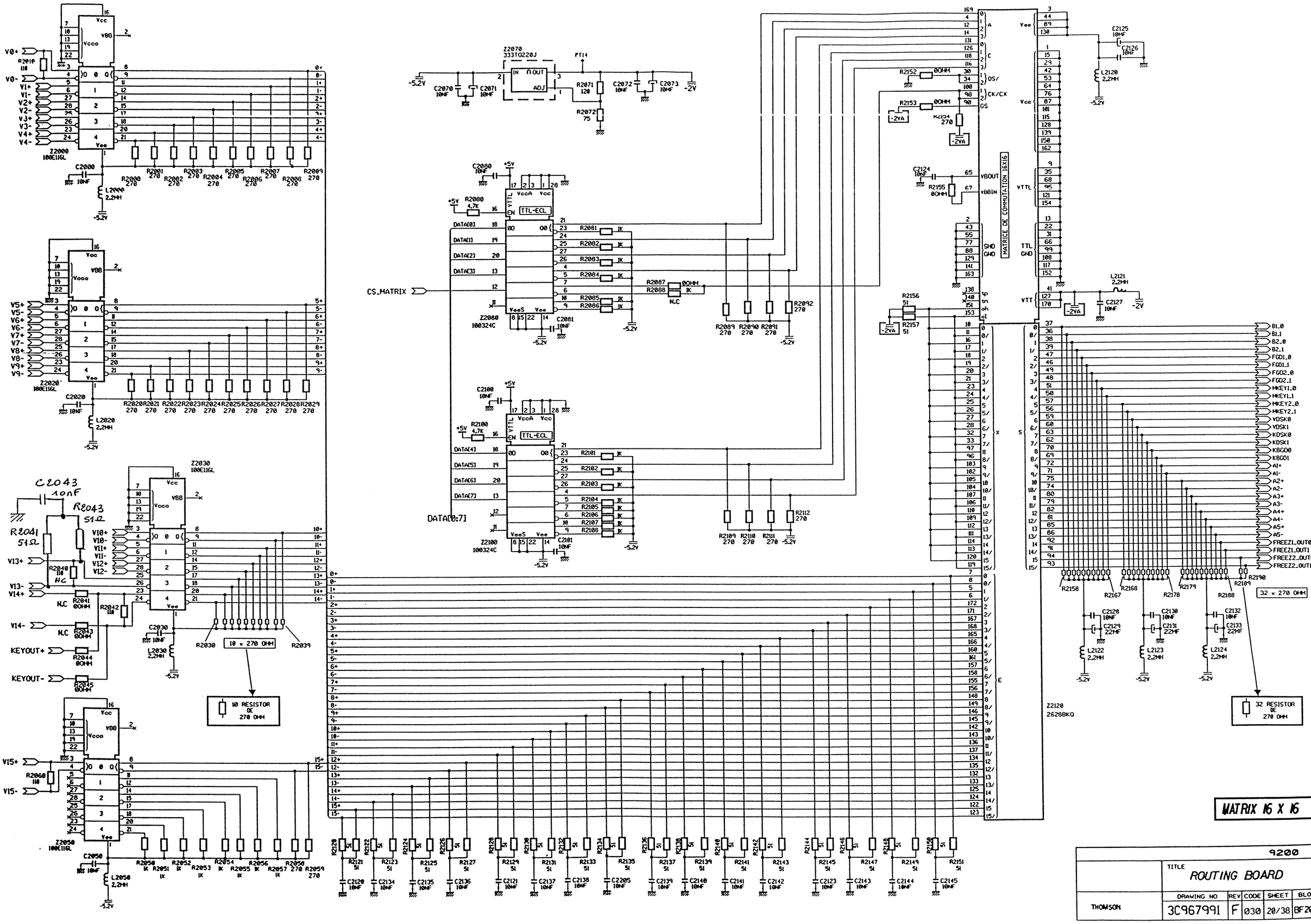


BLACK GENERATION

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967991	A	030	19/38	BF1800

data socleio

ot an authorized person of THOMSON BRANDT.



	9200					
	TITLE ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	F	030	20/38	BF2000	

of an authorized person of THOMSON BROADCAST.

AUXILIARY

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	9200					
	TITLE ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	D	030	21/38	BF2300	

of an authorized person of THOMSON BROADCAST.

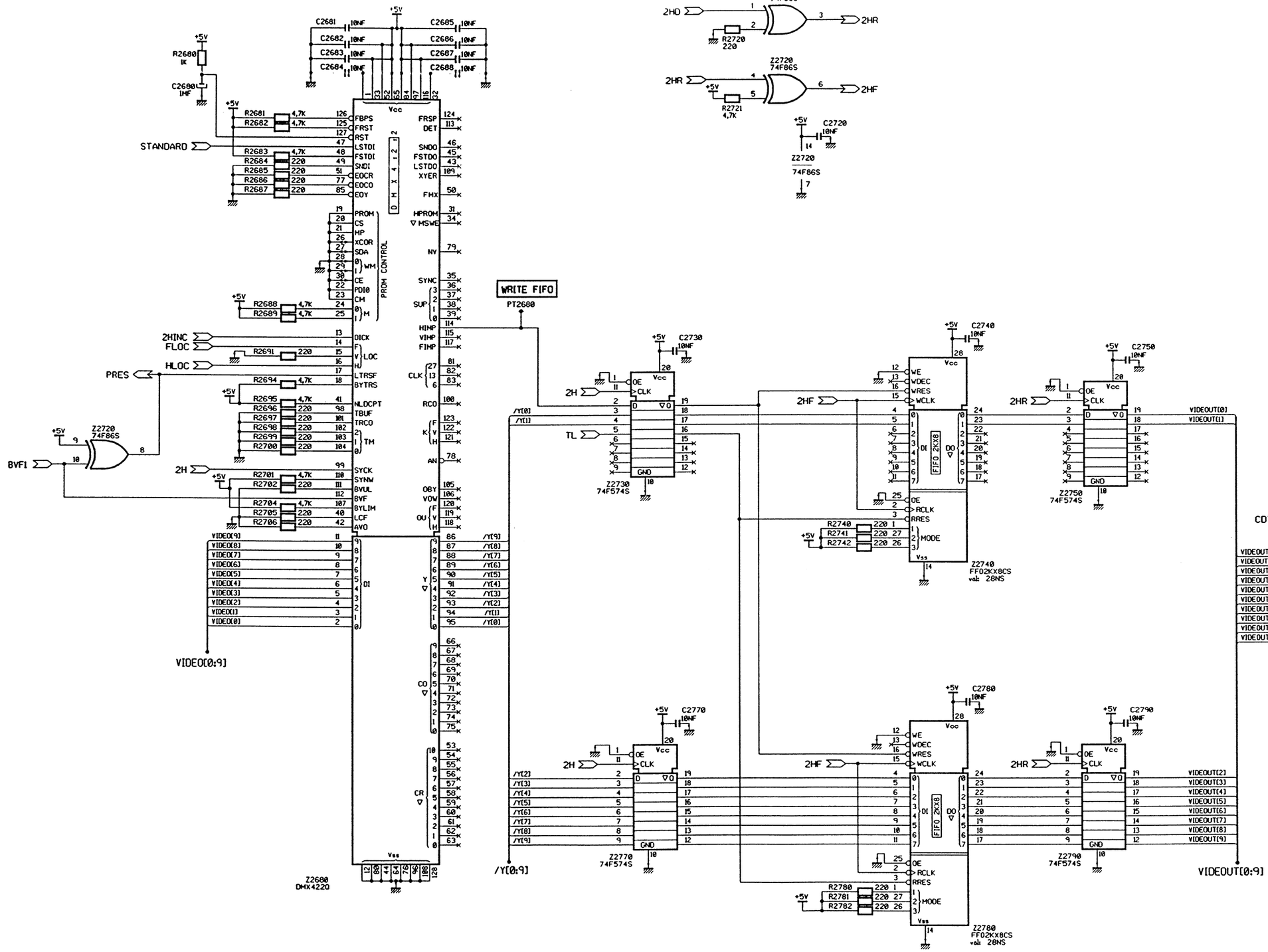
DESERIALIZER AND PHASING BGD

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	22/38	BF2600	

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

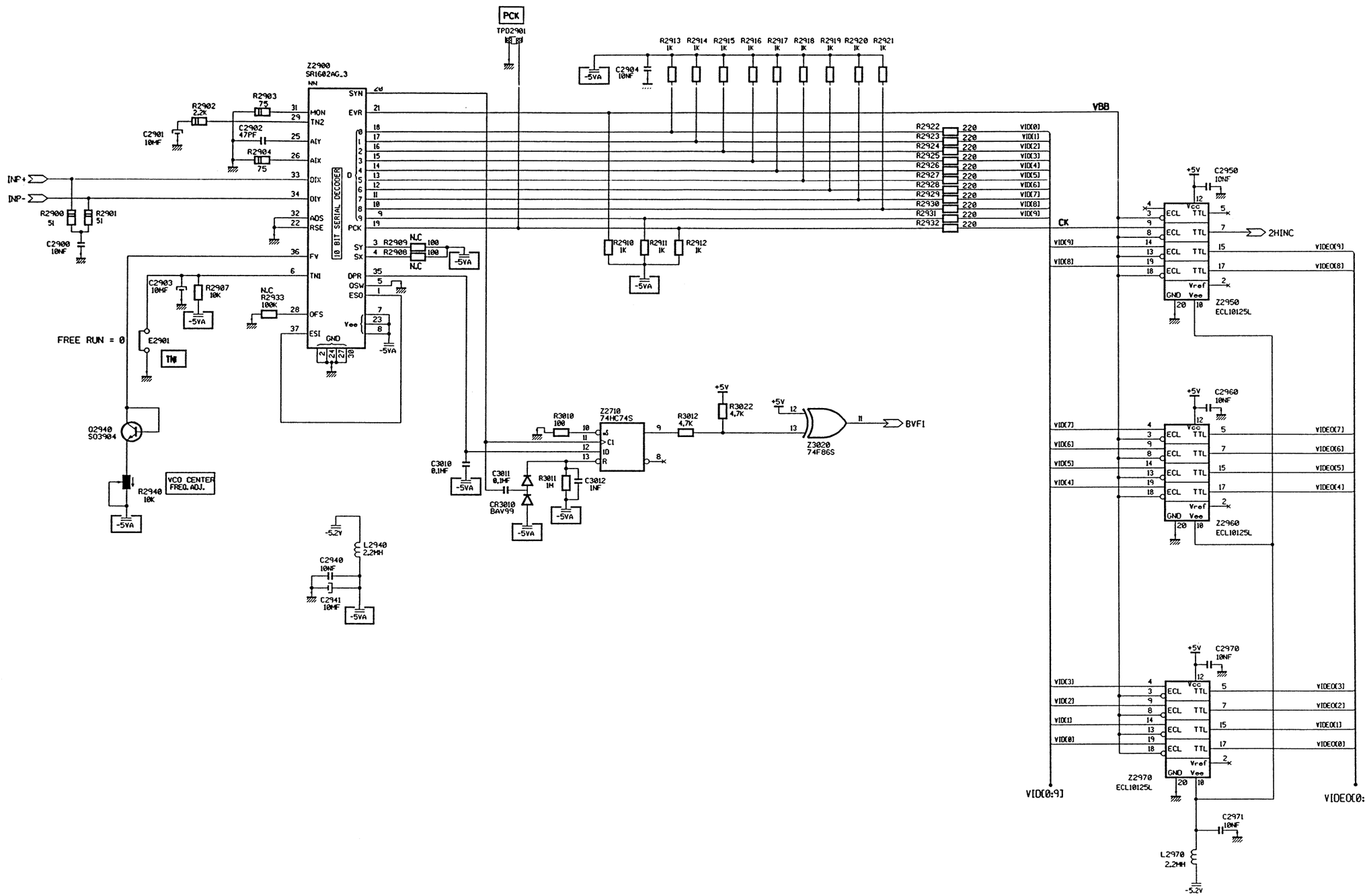
NODE NAME: 3c967991a13 SCHEMATIC NAME: desbgd.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

per transmitted to a third party without the written permission
of an authorized person of THOMSON DIGITAL.



	9200				
	TITLE: ROUTING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967991	A	030	23/38	BF2600

per transmitted to a third party without the written permission
of an authorized person of THOMSON BROADCAST.



DESERIALIZER AND PHASING BGD

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	24/38	BF2900	

dia soclete

nor transmitted to a third party without the written permission
of an authorized person of THOMSON BROADCAST.

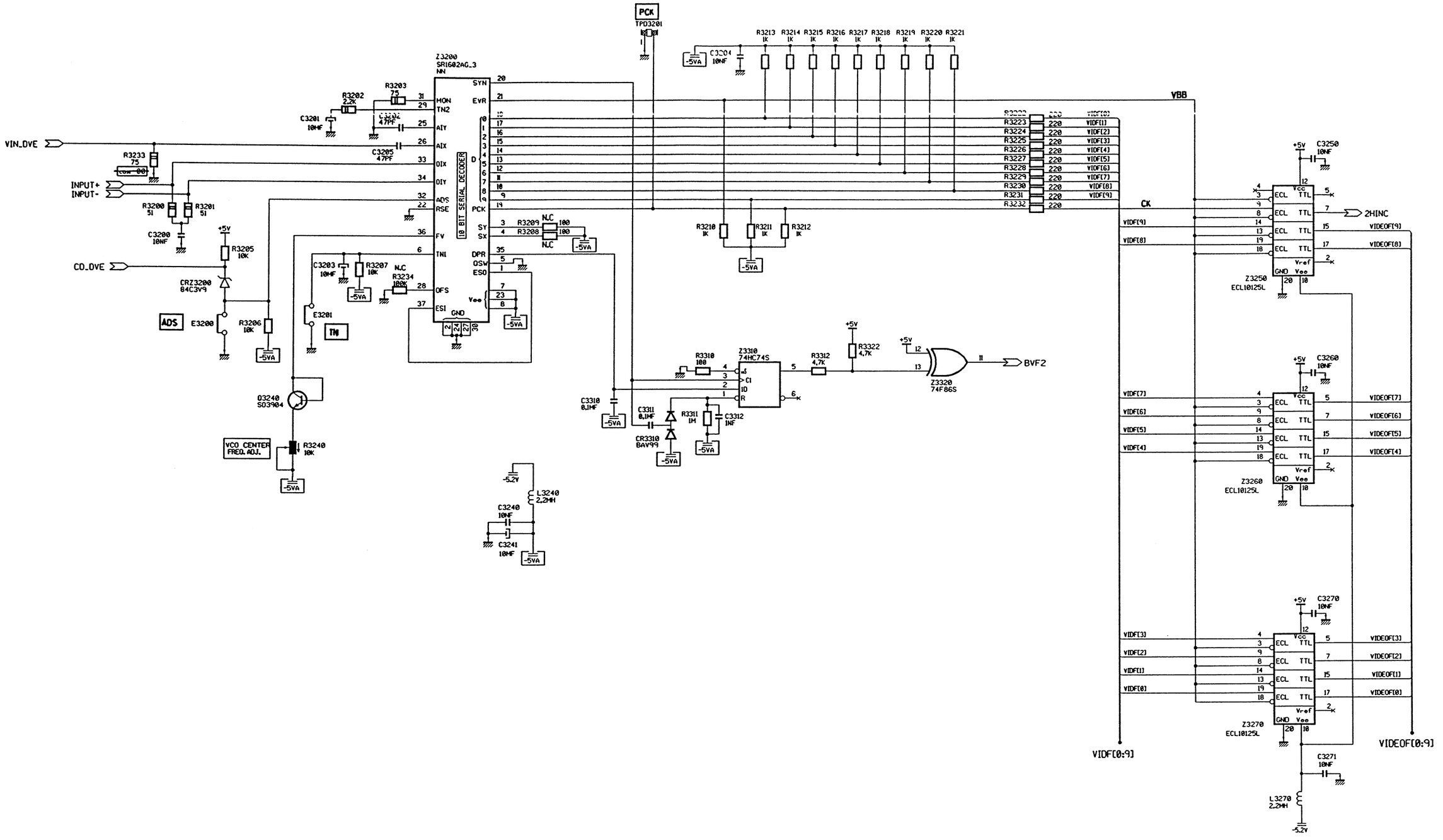
data secrete

WRITE FIFO

DESERIALIZER AND PHASING
BGD

	9200				
	TITLE: ROUTING BOARD				
THOMSON	DRAWING NO: 3C967991	REV: A	CODE: 030	SHEET: 25/38	BLOCK: BF2900

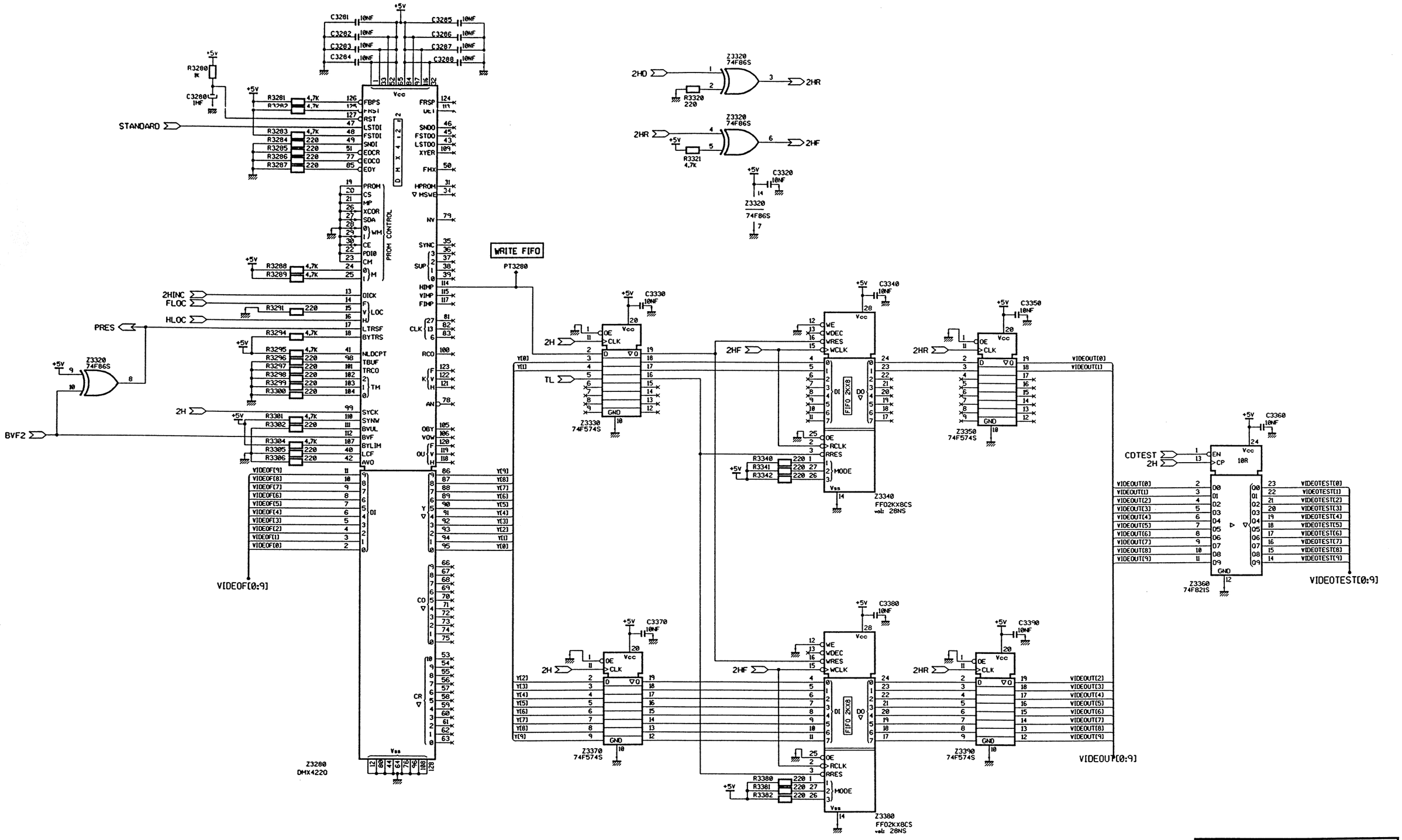
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DESERIALIZER AND PHASING FGD

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

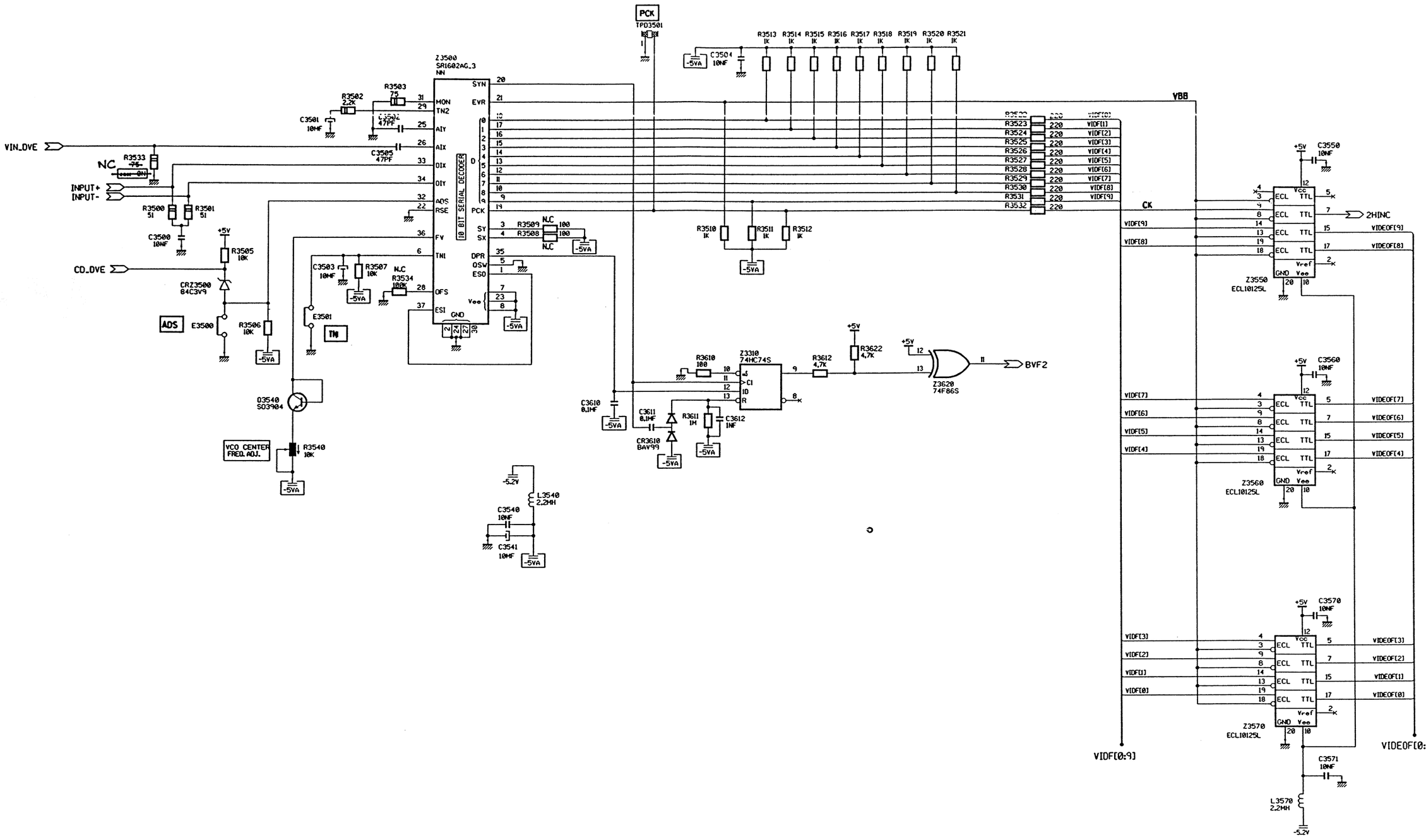
	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	B	030	26/38	BF3200	



DESERIALIZER AND PHASING FGD

	9200				
	TITLE: ROUTING BOARD				
THOMSON	DRAWING NO: 3C967991	REV: A	CODE: 030	SHEET: 27/38	BLOCK: BF3200

NODE NAME: 3c967991a28 SCHEMATIC NAME: desfgd.sch SHEET NUMBER: 2 DATE: Jun 6, 1994



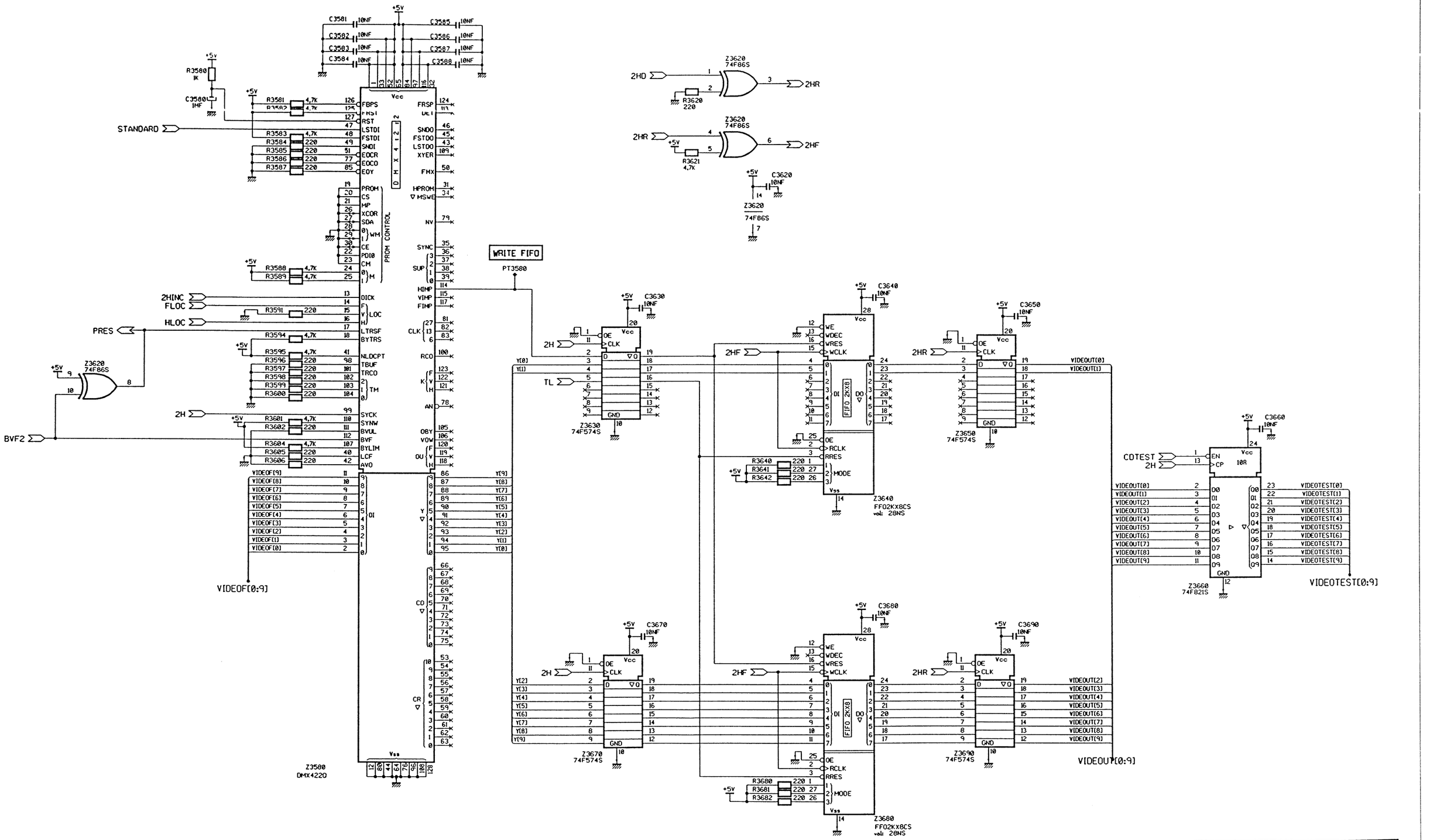
DESERIALIZER AND PHASING
FGD

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	B	030	28/38	BF3500	

NODE NAME: 3c967991a27 SCHEMATIC NAME: desfgd.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

of an authorized person of THOMSON BROADCAST.



DESERIALIZER AND PHASING FGD

	9200					
	TITLE: ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	29/38	BF3500	

of an authorized person of THOMSON BROADCAST.

PCK
TP03801
Z3000
SR1602AG_3
10 BIT SERIAL DECODER
INP+
INP-
R3800 51
R3801 51
C3800 10NF
R3802 2.2K
C3801 10NF
R3803 75
C3802 47PF
R3804 75
C3803 10NF
R3807 10K
N.C R3833 100K
FREE RUN = 0
E3801
Q3840 S03904
VCO CENTER FREQ. ADJ.
R3840 10K
C3804 10NF
R3813 1K
R3814 1K
R3815 1K
R3816 1K
R3817 1K
R3818 1K
R3819 1K
R3820 1K
R3821 1K
R3810 1K
R3811 1K
R3812 1K
R3822 220
R3823 220
R3824 220
R3825 220
R3826 220
R3827 220
R3828 220
R3829 220
R3830 220
R3831 220
R3832 220
VID(0)
VID(1)
VID(2)
VID(3)
VID(4)
VID(5)
VID(6)
VID(7)
VID(8)
VID(9)
R3809 100
R3808 100
N.C
C3910 0.1MF
R3910 100
Z3910 74HC74S
R3912 4.7K
R3922 4.7K
Z3920 74F86S
BVF3
C3911 0.1MF
CR3910 BAV99
R3911 1M
C3912 1NF
L3840 2.2MH
C3840 10NF
C3841 10NF
VBB
CK
C3850 10NF
Z3850 ECL10125L
2HINC
VIDEO(9)
VIDEO(8)
C3860 10NF
Z3860 ECL10125L
VIDEO(7)
VIDEO(6)
VIDEO(5)
VIDEO(4)
C3870 10NF
Z3870 ECL10125L
VID[0:9]
VIDEO[0:9]
C3871 10NF
L3870 2.2MH

RESISTOR RC3715 1 %
RESISTOR RC0805 5 %

DESERIALIZER AND PHASING

9200

	TITLE					
	ROUTING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	30/38	BF3800	

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Z3880
DMX4220

WRITE FIFO
PT3880

Z3930
74F574S

Z3940
FF02KX8CS
val: 20NS

Z3950
74F574S

Z3960
74F821S

Z3970
74F574S

Z3980
FF02KX8CS
val: 20NS

Z3990
74F574S

Z4000
74F821S

VIDEO[0:9]

/VIDEOUT[0:9]

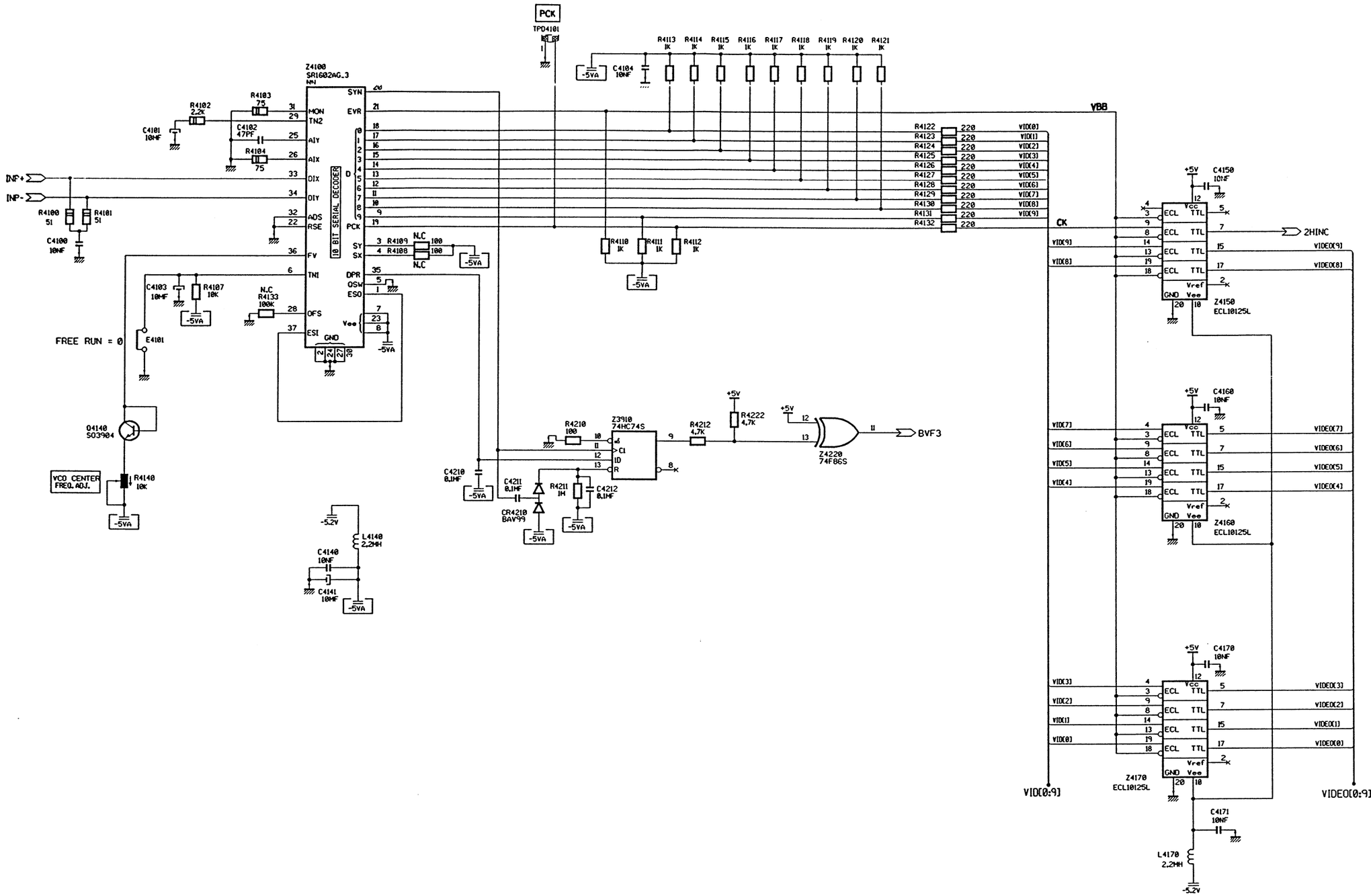
VIDEOUT[0:9]

VIDEOTEST[0:9]

DESERIALIZER AND PHASING

						9200
	TITLE	ROUTING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	31/38	BF3800	

of an authorized person of THOMSON BROADCAST.



RESISTOR RC3715 1 %

RESISTOR RCC0805 5 %

DESERIALIZER AND PHASING

9200

	TITLE				
	ROUTING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967991	A	030	32/38	BF4100

of an authorized person of THOMSON BROADCAST.

Z4100
DMX4220

VIDEO[0:9]

WRITE FIFO
PT4180

Z4230
74F574S

Z4240
FF02KX8CS
val: 28NS

Z4250
74F574S

Z4260
74F821S

Z4270
74F574S

Z4280
FF02KX8CS
val: 28NS

Z4290
74F574S

Z4300
74F821S

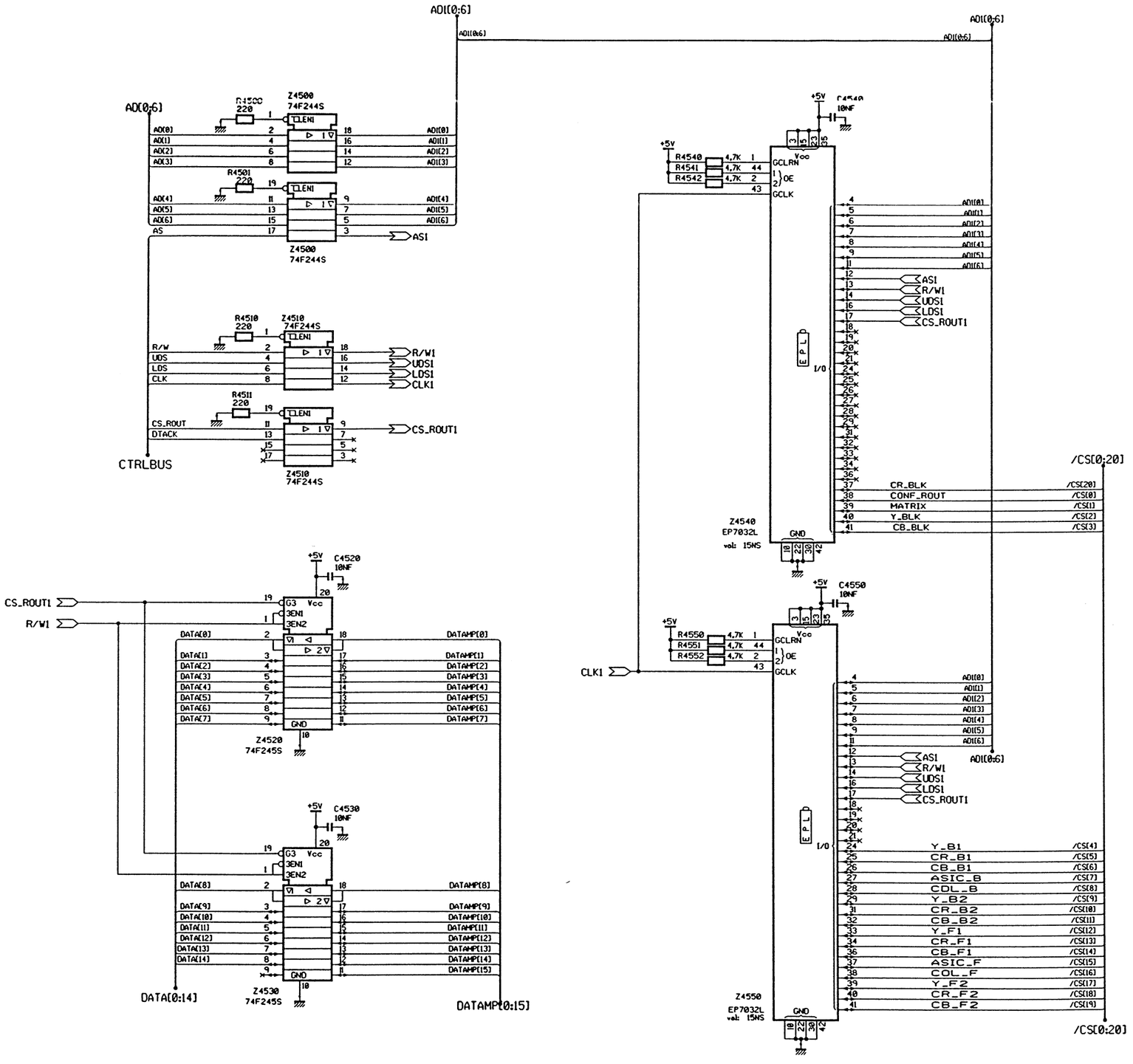
/VIDEOUT[0:9]

VIDEOTEST[0:9]

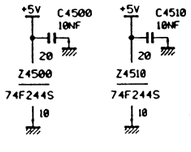
DESERIALIZER AND PHASING

						9200
	TITLE	ROUTING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	33/38	BF4100	

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MICROPROCESSOR INTERFACE



	9200					
	TITLE ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	34/38	BF4500	

of an authorized person of THOMSON BROADCAST.

DATA[0:11]

2H[0:1]
2H[0]
2H[1]
2H[0:1]

R4600 220 — Z4600 74F244S — DATA[0:3]
R4601 220 — Z4600 74F244S — DATA[4:7]
R4610 220 — Z4610 74F244S — DATA[8:11]

C4650 C4651 C4652 C4653 C4654 C4655 10NF — +5V — C4656 C4657 C4658 C4659 C4660 C4661 10NF

ASIC COVILUKE
CK, CK/2, Vcc
DATA[0:11]
2H[1] H2
AD[0:4]
CS[3]
R4650 220 — WSL
WMA, WEMA, WSL

CHANNEL A
VIN, VOUT, GND
Z4650 COVILUKQ

OE[0:4]
C4620 10NF — Z4620 74F821S — CCP[0:9]
C4630 10NF — Z4630 74F821S — VIDEOIN[0:9]
C4640 10NF — Z4640 74F821S — CCL[0:9]
VIDEOATR[0:9]

OE[0:6]
C4670 10NF — Z4670 74F821S — VIDEOATR[0:9]

CS[0:4]
C4700 10NF — Z4700 74F821S — VIDEOATR[0:9] — FOND COLORE Y
C4710 10NF — Z4710 74F821S — VIDEOATR[0:9] — FOND COLORE CR
C4720 10NF — Z4720 74F821S — DATA[0:11] — FOND COLORE CB
C4730 10NF — R4730 220 — Z4730 74F821S — VIDEOUT[0:9]

C4680 10NF — R4680 220 — Z4680 74F574S — DATA[0:11]
C4690 10NF — R4690 220 — Z4690 EP16V8CD_3 val: 15NS — OE[0:6]
R4611 220 — Z4610 74F244S — H

C4600 10NF — Z4600 74F244S
C4610 10NF — Z4610 74F244S

VIDEO PROCESS I

THOMSON	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967991	A	030	35/38	BF4600	

or an authorized person of THOMSON BROADCAST.

DATA[0:9]

DATA[0:9]

R4900 220 — Z4900 74F244S — DATA[0:3]

R4901 220 — Z4900 74F244S — DATA[4:7]

R4910 220 — Z4910 74F244S — DATA[8:9]

DATA[0:9]

+5V C4920 10NF — Z4920 74F574S — CS[0] — DATA[5:9]

+5V C4930 10NF — Z4930 EP16V8CD_3 vals 15NS — 2H[1] — R4930 220 — H — H/2 — R4931 220 — GND

OE[0:6] — OE[0:6]

OE[0:6]

+5V C4940 10NF — Z4940 74F821S — OE[1] — CCP[0:9] — VIDEOBTR[0:9]

2H[0:1] — 2H[0] — 2H[1]

+5V C4950 10NF — Z4950 74F821S — OE[0] — 2H[0] — VIDEOIN[0:9] — VIDEOBTR[0:9]

+5V C4960 10NF — Z4960 74F821S — OE[2] — CCL[0:9] — VIDEOBTR[0:9]

FREE — R4911 220 — Z4910 74F244S

CS[0:3]

+5V C4970 10NF — Z4970 74F821S — OE[4] — CS[1] — DATA[0:9] — VIDEOBTR[0:9]

FOND COLORE Y

+5V C4980 10NF — Z4980 74F821S — OE[5] — CS[2] — DATA[0:9] — VIDEOBTR[0:9]

FOND COLORE CR

+5V C4990 10NF — Z4990 74F821S — OE[6] — CS[3] — DATA[0:9] — VIDEOBTR[0:9]

FOND COLORE CB

Z4650 COVILUKO — POWER SEE CHANNEL A — CHANNEL B — ASIC COVILUKE — VIN — VOUT — VIDEOBTR[0:9] — VIDEOBTR[0:9]

+5V C5000 10NF — Z5000 74F821S — OE[3] — 2H[1] — VIDEOBTR[0:9] — VIDEOBTR[0:9]

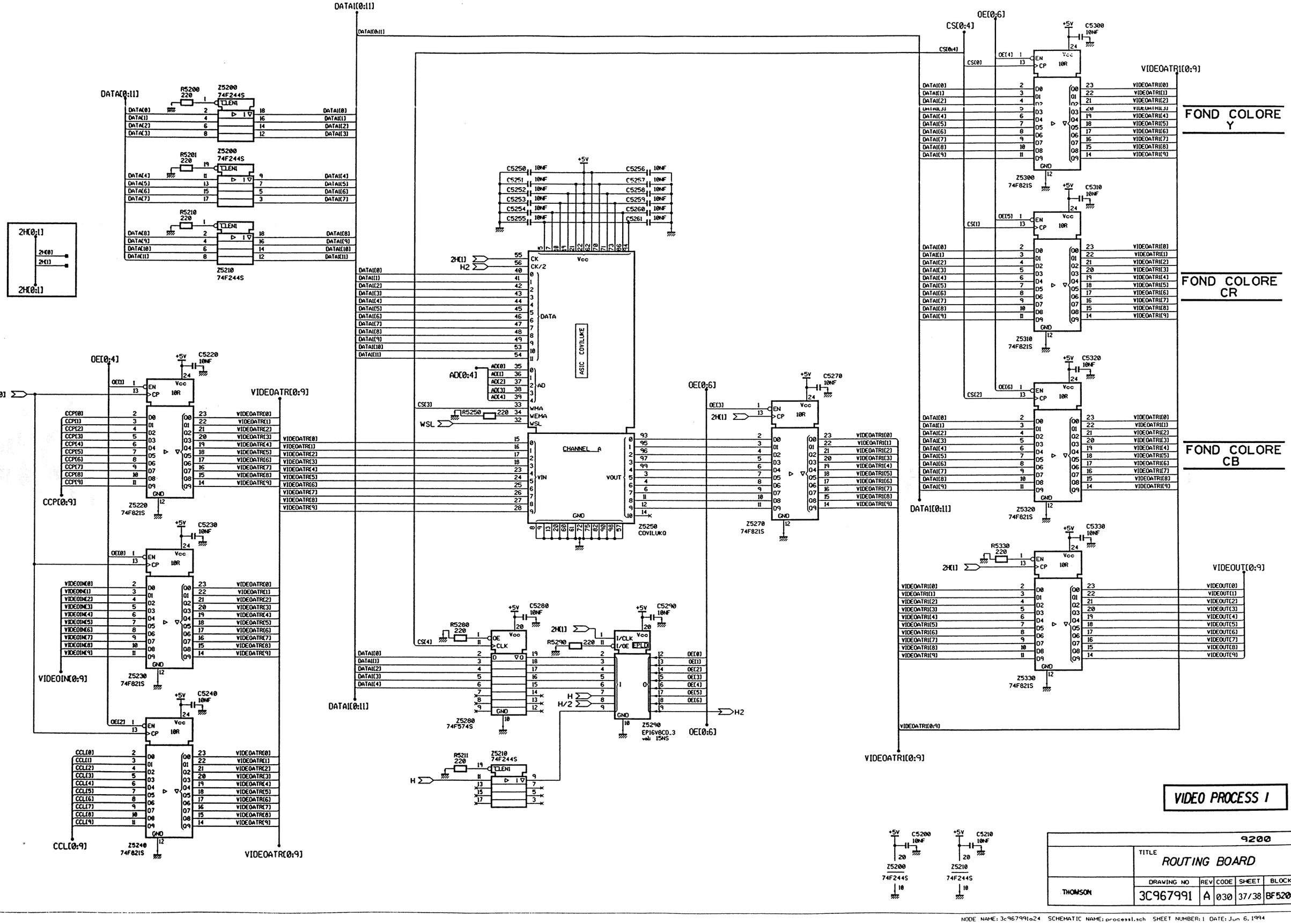
+5V C5010 10NF — R5010 220 — Z5010 74F821S — 2H[1] — VIDEOBTR[0:9] — VIDEOUT[0:9]

VIDEO PROCESS 2

+5V C4900 10NF — Z4900 74F244S

+5V C4910 10NF — Z4910 74F244S

	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	36/38	BF4900	


DATA[0:11]
R5200 220
Z5200 74F244S
R5201 220
Z5200 74F244S
R5210 220
Z5210 74F244S
2H[0:1]
2H[0]
2H[1]
2H[0:1]
C5250 10NF
C5251 10NF
C5252 10NF
C5253 10NF
C5254 10NF
C5255 10NF
C5256 10NF
C5257 10NF
C5258 10NF
C5259 10NF
C5260 10NF
C5261 10NF
+5V
2H[1]
H2
CK
CK/2
DATA
ASIC COVILUKE
AD[0:4]
AD
CS[3]
R5250 220
WSL
WMA
WEMA
WSL
CHANNEL A
VIN
VOUT
GND
Z5250
COVILUKO
OE[0:6]
CS[0:4]
C5300 10NF
C5310 10NF
C5320 10NF
C5330 10NF
Z5300 74F821S
Z5310 74F821S
Z5320 74F821S
Z5330 74F821S
VIDEOATRI[0:9]
FOND COLORE Y
FOND COLORE CR
FOND COLORE CB
OE[0:4]
C5220 10NF
C5230 10NF
C5240 10NF
Z5220 74F821S
Z5230 74F821S
Z5240 74F821S
CCP[0:9]
VIDEOIN[0:9]
CCL[0:9]
VIDEOATR[0:9]
C5270 10NF
Z5270 74F821S
C5280 10NF
R5280 220
Z5280 74F574S
CS[4]
C5290 10NF
R5290 220
I/CLK
I/OE
EPLD
Z5290
EP1610BCD.3
val: 15NS
H
H/2
R5211 220
Z5210 74F244S
C5200 10NF
C5210 10NF
Z5200 74F244S
Z5210 74F244S
VIDEOUT[0:9]
VIDEO PROCESS I
9200
TITLE
ROUTING BOARD
THOMSON
DRAWING NO 3C967991
REV A
CODE 030
SHEET 37/38
BLOCK BF5200
NODE NAME: 3c967991a24 SCHEMATIC NAME: process1.sch SHEET NUMBER: 1 DATE: Jun 6, 1994

IF UNDERSIGNED IS A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF AN AUTHORIZED PERSON OF THOMSON BROADCAST.

DATAI[0:9]

DATA[0:9]

R5500 220 Z5500 74F244S
DATA[0] DATA[1] DATA[2] DATA[3] → DATAI[0] DATAI[1] DATAI[2] DATAI[3]

R5501 220 Z5500 74F244S
DATA[4] DATA[5] DATA[6] DATA[7] → DATAI[4] DATAI[5] DATAI[6] DATAI[7]

R5510 220 Z5510 74F244S
DATA[8] DATA[9] → DATAI[8] DATAI[9]

DATAI[0:9]

DATAI[0:9]

CS[0] DATAI[5] DATAI[6] DATAI[7] DATAI[8] DATAI[9]
+5V C5520 10NF
Z5520 74F574S

2H[1] R5530 220
+5V C5530 10NF
H H/2 R5531 220
I/CLK I/nE EPLD
Z5530 EP16V8CD_3 val: 15NS

OE[0:6] → OE[0:6]

OE[0:6]

CS[0:3]

OE[4] CS[1] DATAI[0:9]
+5V C5570 10NF
Z5570 74F821S
VIDEOBTRI[0:9]

OE[5] CS[2] DATAI[0:9]
+5V C5580 10NF
Z5580 74F821S

OE[6] CS[3] DATAI[0:9]
+5V C5590 10NF
Z5590 74F821S

DATAI[0:9]

FOND COLORE Y

FOND COLORE CR

FOND COLORE CB

VIDEOBTRI[0:9]

OE[0:6]

OE[1] CCP[0:9]
+5V C5540 10NF
Z5540 74F821S
VIDEOBTRI[0:9]

2H[0:1]
2H[0]
2H[1]

OE[0] 2H[0] VIDEOIN[0:9]
+5V C5550 10NF
Z5550 74F821S

OE[2] CCL[0:9]
+5V C5560 10NF
Z5560 74F821S
VIDEOBTRI[0:9]

Z5250 COVILUKO
POWER SEE CHANNEL A
CHANNEL B
ASIC COVILUKE
VIN VOUT
VIDEOBTRI[0:9] → VIDEOBTRI[0:9]

OE[3] 2H[1]
+5V C5600 10NF
Z5600 74F821S
VIDEOBTRI[0:9]

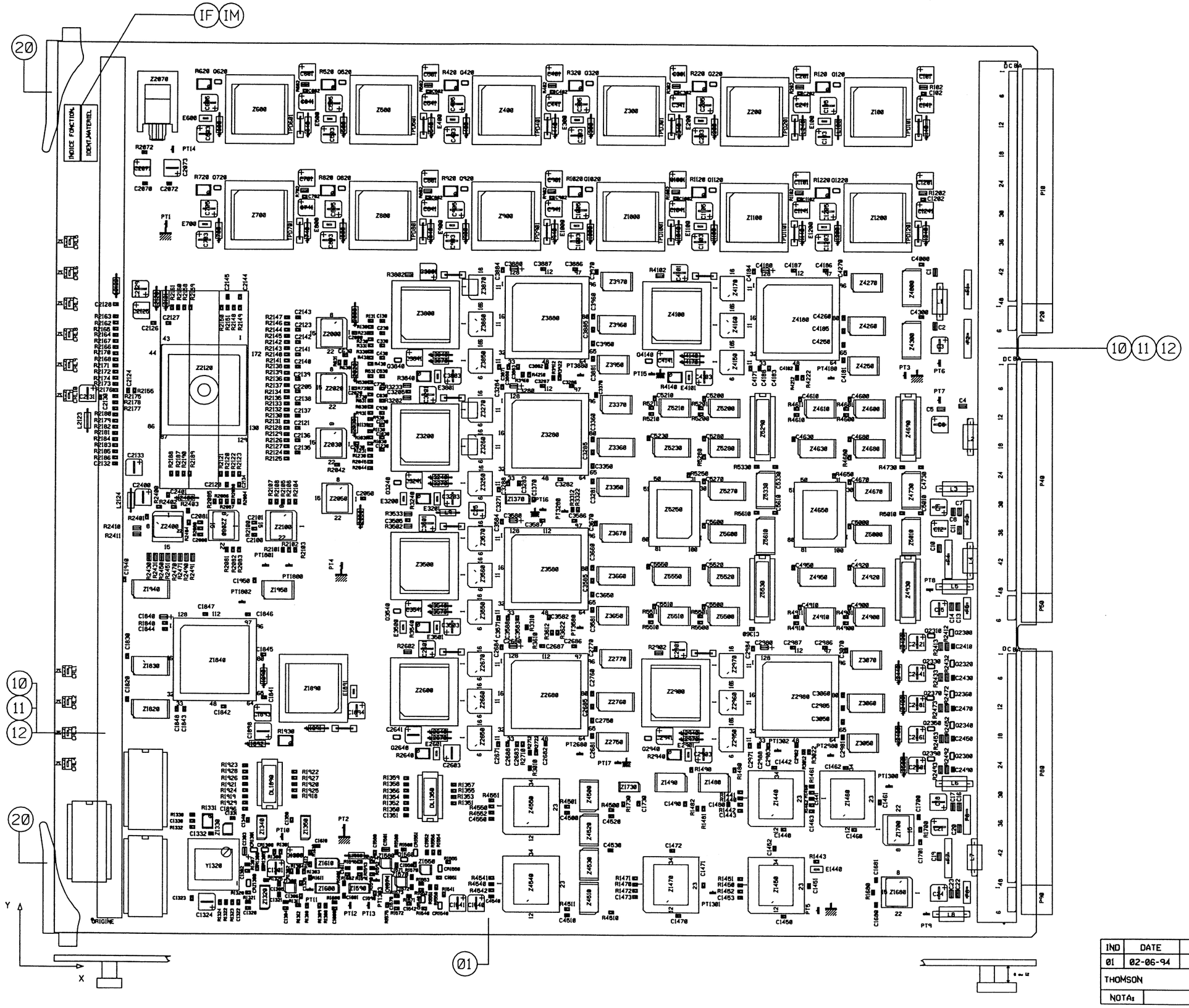
2H[1] R5610 220
+5V C5610 10NF
Z5610 74F821S
VIDEOUT[0:9]

FREE
R5511 220
Z5510 74F244S

+5V C5500 10NF Z5500 74F244S
+5V C5510 10NF Z5510 74F244S

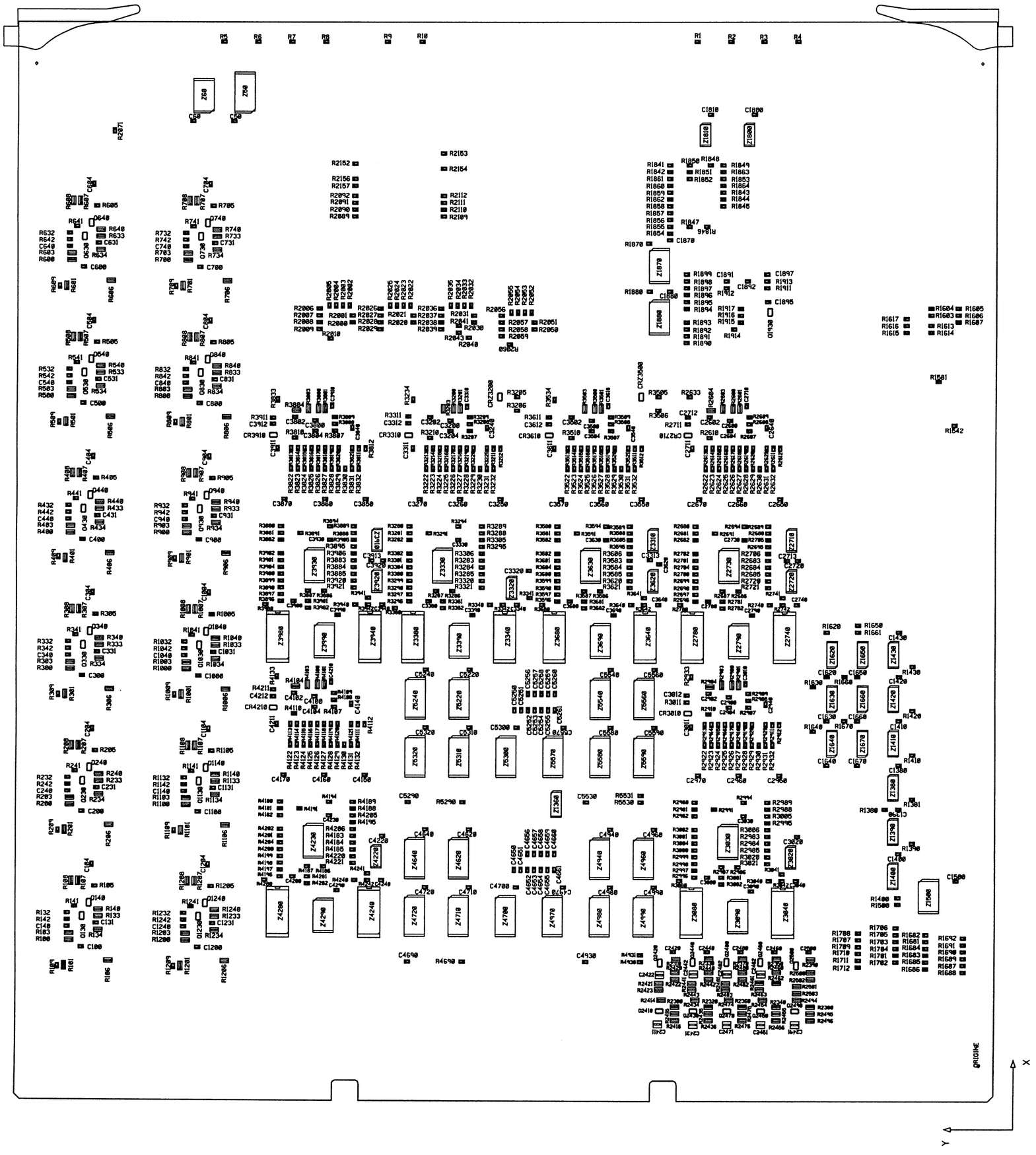
VIDEO PROCESS 2

	9200					
	TITLE: ROUTING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967991	A	030	38/38	BF5500	



IND	DATE		N°DOSSIER
01	02-06-94		3C967991
THOMSON		CI: ROUTING BOARD (EL) N°: 2C534395/009	
NOTA:			

IND	DATE		N0.DOSSIER
01	02-06-94		3C967991
THOMSON		C1: ROUTING BOARD (SD) N0: 2053495/008	
NOTA:			



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BF100
WIPE AND PATTERN GENERATOR
wipe.sch
+VBATT
/RAM_EN
H[0]
/RST
/ACFAIL
COMMANDI[7]
COMMANDI[4]
COMMANDI[0]
CS[0]
R/W
ADRI[1:11]
DATAPR[0:15]
DATAPR[0:7]
CKMP
ALIM_RAM
/RAM_EN
H
RST/
ACFAIL
REFGFE[0]
REFGFE[1]
REFGFE[2]
CSRC1
RWMP
ADRESPR[0:10]
DATAPR[0:7]
CKMP
WIPE[0:10]
WIPEBOR[0:10]

BF800
M / E AND DSK PROGRAM AND PREVIEW
me.sch
DATAPR[0:15]
ADRI[1:11]
FROM ROUTING BOARD
FROM BORDER BOARD
FGDI[0:9]
FGD2[0:9]
BGDI[0:9]
BGD2[0:9]
VDSK[0:9]
KMULTI[0:10]
KDSK[0:10]
BDSK[0:10]
BMULTII[0:10]
2HE[6:7]
2HRI[0:1]
2HR2[0:1]
H[2:5]
/H[4]
/HR2
H/2
/H/2
H/2_A
WIPE[0:10]
WIPEBOR[0:10]
FGDI[0:9]
FGD2[0:9]
BGDI[0:9]
BGD2[0:9]
VDSK[0:9]
KMULTI[0:10]
KDSK[0:10]
BDSK[0:10]
BMULTII[0:10]
2HE[0:1]
2HRI[0:1]
2HR2[0:1]
H[0:3]
/H
/HR2
H/2
/H/2
H/2_A
PGM[0:9]
PVW[0:9]
TESTPROC[0:3]
CD_TEST[0:12]
2HL
KFI[0:10]
KF2[0:10]
BFI[0:10]
BF2[0:10]
CS[0:43]
COMMANDI[0:12]

BF1600
PGM AND PREVIEW SERIALIZER
serpgpr.sch
DATAPR[0:15]
$$GLOBAL_GND:
$$GLOBAL_-5.2V:
$$GLOBAL_+5V:
PGM[0:9]
PVW[0:9]
TESTPROC[0:3]
CD_TEST[0:12]
2HL
TEST[0:9]
COMMAND[0:16]
RES[0:4]
2HE[0:1]
2HRI
2HR2
FE_IN
CS[0:43]
COMMANDI[0:12]
RESI[0:3]
$$hier:
SPGM+
SPGM-
FLOC_KEY
HLOC_KEY
TO ROUTING BOARD

BF5200
CLOCK DISTRIBUTION
clock.sch
CLOCK[0:5]
2HE[0:9]
HE[0:7]
2HRI[0:4]
2HR2[0:4]
2HD
H/2
/HE[0:5]
/HR1
/HR2
HR2
H/2_A
/H/2
$$hier:

BF5700
MICROPROCESSOR
mmicro.sch
/ACFAIL
GPIIN[0:7]
TALLYIN[0:3]
COM
COM_LINK[0:11]
DATAPR[0:15]
ADRI[1:11]
+VBATT
CKMP
/RST
/RAM_EN
R/W
CTRLBUS[0:9]
DATAMP[0:15]
AD[0:11]
GPIOUT[0:9]
TALLYOUT[0:13]
COMMANDI[0:12]
CS[0:43]

BF4800
DATA ACQUISITION
acqdata.sch
FROM BORDER BOARD
MULTI_AT[0:9]
DSK_AT[0:9]
2H[9]
2HRI[4]
2HR2[4]
2HF
HE[6:7]
H/2
RESI[0:3]
K12[0:9]
K22[0:9]
CHRO/K1
CHRO/K2
PAT_IN
MASK1
MASK2
DATA_KEY[0:11]
DATAPR[0:15]
COMMANDI[0:12]
CS[0:43]

BF4500
KEY OUT SERIALIZER
serkey.sch
2HE[0:1]
KOUT[0:9]
FLOC_KEY
HLOC_KEY
COMMANDI[0:12]
SKEY+
SKEY-
TO FREEZE BOARD

BF5400
DESERIALIZER KEY DVE AND PHASING
keydve.sch
INPUT DVE
2HE[5]
2HD
HE[1]
FLOC_KEY
HLOC_KEY
COMMANDI[0:12]
KDVE[0:10]
2HF

BF2000
KEY PROCESS
keyl.sch
ROUTING BOARD
KI[0:9]
K2[0:9]
CHRO_KEYI[0:10]
CHRO_KEY2[0:10]
2H[8]
2HRI[3]
2HR2[3]
HE[10]
/HR1
HR2
/HR2
AD_KEY[0:5]
CS[0:43]
COMMANDI[0:12]
K12[0:9]
K22[0:9]
KIP[0:10]
K2P[0:10]
TESTPROC[0:9]
DATA_KEY[0:11]
CD_TEST[0:12]
DATAPR[0:15]
CHRO/K1
CHRO/K2

BF2400
KEY COMPOSE AND FILTER
keyfilt.sch
DATAPR[0:15]
ADRI[1:11]
CS[0:43]
KIC[0:10]
K2C[0:10]
KIP[0:10]
K2P[0:10]
WIPE[0:10]
MASK1
MASK2
HE[1:5]
/H[5]
WIPE_EXT[0:10]
KBORD[0:10]
AD_KEY[0:5]
DATA_FIL[0:15]
COMMANDI[0:12]
RESI[0:3]
K2/BORD
PAT_IN

BF3000
KEY SELECTION
selkey.sch
DATA_FIL[0:15]
CS[0:43]
COMMANDI[0:12]
KIC[0:10]
K2C[0:10]
KDVE[0:10]
KBACK[0:10]
WIPEBOR[0:10]
BORDER_IN[0:10]
CK_SHAD1[0:10]
CK_SHAD2[0:10]
WIPE_BOR_EXT[0:10]
2H[4]
HE[6:10]
HR2
/H[5]
RESI[0:3]
KFI[0:10]
KF2[0:10]
BFI[0:10]
BF2[0:10]
BMULTII[0:10]
KOUT[0:9]
K1/BORD
K2/BORD

THOMSON	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967992	A	030	01/42	BF10

NODE NAME: 3c967992a1 SCHEMATIC NAME: PROCESSING SHEET NUMBER: 1 DATE: Apr 16, 1996

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PATTERN PROCESS

BF6300

REG_FLOU_K/ · REG_KEY/ · DIM_KEY/ · CK13.5C · COORD[0:15] · DATA[0:15] · CROSS

REG_FLOU/ · CALC/ · WIDTH/ · CK13.5 · COORD[0:15] · DATA[0:15] · CROSS

PATTERN AND SOFT WIDTH

CLE[0:10] · OUT_EN/ · pattern.sch

PATTERN[0:10] → R570 220

INVERT_FORM · INVERT_BORD · CK13.5E · CK13.5/ → Z420 74F153S (MUX)

ADLUT[0:10] → FILTRE → Z430 E8KX8CE_3 (PROM 8KX8, val: 20NS)

Z570 74F574S · Z580 74F574S

PATTERN[0:10]

BORDER PROCESS

BF6700

REG_FLOU_B/ · REG_BORD/ · DIM_BORD/ · CK13.5D · COORD[0:15] · DATA[0:15] · CROSS

REG_FLOU/ · CALC/ · WIDTH/ · CK13.5 · COORD[0:15] · DATA[0:15] · CROSS

PATTERN AND SOFT WIDTH

CLE[0:10] · OUT_EN/ · pattern.sch

BORDER[0:10] → R460 220

Z460 74F574S · Z490 74F574S

BORDER[0:10]

LOOK UP TABLE

FILTRE → Z470 E8KX8CE_3 (PROM 8KX8, val: 20NS)

ADLUT[0:10]

MLTPX[0:10] → Z440 74ACT574S · Z480 74ACT574S · Z500 74ACT574S · Z530 74ACT574S

DMXBOR[0:10] → Z450 74F574S · Z510 74F574S

DMXKEY[0:10] → Z520 74F574S

OUTPUT REGISTERS

WIPE[0:10] → Z550 74F244S · Z560 74F244S

DATA[0:15]

TEST_MP/

N.C J510 BARPDS10 (BORD1) → WIPEBOR[0:10]

N.C J520 BARPDS10 (WIPE1) → WIPE[0:10]

WIPE AND PATTERN GENERATOR

	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	A	030	05/42	BF100

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Z0[0:15]

COORD[0:15]

DATA[0:15]

SUM[0:15]

FLOU[0:15]

NKTR

Z6300 74ACT574S

DATA[0:7] → Z0[0:7]

WIDTH/

C6300 10NF

Z6310 74ACT574S

DATA[8:15] → Z0[8:15]

C6310 10NF

NKSGR

Z6380 74ACT574S

DATA[0:15] → FLOU[0:15]

REG_FLOU/

C6380 10NF

Z6390 74ACT574S

DATA[8:15] → FLOU[8:15]

C6390 10NF

Z6340 74F283S

Z0[0:3] + COORD[0:3] → SUM[0:3]

R6340 220

C6340 10NF

Z6350 74F283S

Z0[4:7] + COORD[4:7] → SUM[4:7]

C6350 10NF

Z6360 74F283S

Z0[8:11] + COORD[8:11] → SUM[8:11]

C6360 10NF

Z6370 74F283S

Z0[12:15] + COORD[12:15] → SUM[12:15]

C6370 10NF

+5V

GND

PATTERN AND SOFT WIDTH

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	06/42	BF6300	

NODE NAME: 3c967992a4 SCHEMATIC NAME: pattern.sch SHEET NUMBER: 1 DATE: Nov 6, 1995

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ECRETAGE

NKCR

PATTERN AND SOFT WIDTH

TTV9200						
THOMSON	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	07/42	BF6300	

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Z0[0:15]

COORD[0:15]

SUM[0:15]

DATA[0:15]

WIDTH/

NKTR

+5V C6700 10NF
Z6700 74ACT574S
DATA[0] DATA[1] DATA[2] DATA[3] DATA[4] DATA[5] DATA[6] DATA[7]
Z0[0] Z0[1] Z0[2] Z0[3] Z0[4] Z0[5] Z0[6] Z0[7]

+5V C6710 10NF
Z6710 74ACT574S
DATA[8] DATA[9] DATA[10] DATA[11] DATA[12] DATA[13] DATA[14] DATA[15]
Z0[8] Z0[9] Z0[10] Z0[11] Z0[12] Z0[13] Z0[14] Z0[15]

+5V C6740 10NF
R6740 220
Z6740 74F283S
COORD[0] COORD[1] COORD[2] COORD[3]
Z0[0] Z0[1] Z0[2] Z0[3]
SUM[0] SUM[1] SUM[2] SUM[3]

+5V C6750 10NF
Z6750 74F283S
COORD[4] COORD[5] COORD[6] COORD[7]
Z0[4] Z0[5] Z0[6] Z0[7]
SUM[4] SUM[5] SUM[6] SUM[7]

+5V C6760 10NF
Z6760 74F283S
COORD[8] COORD[9] COORD[10] COORD[11]
Z0[8] Z0[9] Z0[10] Z0[11]
SUM[8] SUM[9] SUM[10] SUM[11]

+5V C6770 10NF
Z6770 74F283S
COORD[12] COORD[13] COORD[14] COORD[15]
Z0[12] Z0[13] Z0[14] Z0[15]
SUM[12] SUM[13] SUM[14] SUM[15]

DATA[0:15]

FLOU[0:15]

REG_FLOU/

NKSGR

+5V C6780 10NF
Z6780 74ACT574S
DATA[0] DATA[1] DATA[2] DATA[3] DATA[4] DATA[5] DATA[6] DATA[7]
FLOU[0] FLOU[1] FLOU[2] FLOU[3] FLOU[4] FLOU[5] FLOU[6] FLOU[7]

+5V C6790 10NF
Z6790 74ACT574S
DATA[8] DATA[9] DATA[10] DATA[11] DATA[12] DATA[13] DATA[14] DATA[15]
FLOU[8] FLOU[9] FLOU[10] FLOU[11] FLOU[12] FLOU[13] FLOU[14] FLOU[15]

PATTERN AND SOFT WIDTH

	TTV9200					
	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	08/42	BF6700	

NODE NAME: 3c967992a5 SCHEMATIC NAME: pattern.sch SHEET NUMBER: 1 DATE: Nov 6, 1995

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ECRETAGE

MULT[0:9]

SUM[0:15]

FLOU[0:15]

CALCUL[0:10]

ECRET[0:10]

CLE[0:10]

OUT_EN/

CALC/

DATA[0:15]

CROSS

NKCR

PATTERN AND SOFT WIDTH

TTV9200						
	TITLE PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	09/42	BF6700	

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COMMAND[0:12]
CS[0:43]
AD_ME[0:2]
DATA_ME[0:14]
H_ASIC[0:1]
H/2_ASIC[0:1]
2H[0:1]
Z800 4415AAE0
R800 220
R801 220
R802 220
C800 10NF
C801 10NF
C802 10NF
C803 10NF
C804 10NF
C805 10NF
C806 10NF
C807 10NF
+5V
Vcc
TEST
DATA
AD
CK (2H)
CK/2H0
CK/4 (H/2)
SELCAS
VIDEO B1
VIDEO B2
VIDEO VF
VIDEO FC1
VIDEO FC2
KEY KEN
KEY BEN
KEY KINC
KEY BINC
BGD12[0:9]
BGD22[0:9]
FC5[0:9]
FC6[0:9]
WIPE1[0:10]
WIPEBOR1[0:10]
KMULTI1[0:10]
BMULTI1[0:10]
MIX AND SWITCH
VIDEO OUTMEL
MF1[0:14]
VIDEO CAS_IN
GND

COMMAND[0:12]
CS[0:43]
AD_ME[0:2]
DATA_ME[0:14]
H_ASIC[0:1]
H/2_ASIC[0:1]
2H[0:1]
Z810 4415AAE0
PT810
R810 220
R811 220
R812 220
C810 10NF
C811 10NF
C812 10NF
C813 10NF
C814 10NF
C815 10NF
C816 10NF
C817 10NF
+5V
Vcc
TEST
DATA
AD
CK (2H)
CK/2H0
CK/4 (H/2)
SELCAS
VIDEO B1
VIDEO B2
VIDEO VF
VIDEO FC1
VIDEO FC2
KEY KEN
KEY BEN
KEY KINC
KEY BINC
BGD12[0:9]
BGD22[0:9]
FC5[0:9]
FC6[0:9]
WIPE1[0:10]
WIPEBOR1[0:10]
KMULTI1[0:10]
BMULTI1[0:10]
MIX AND SWITCH
VIDEO OUTMEL
MF2[0:14]
PT811
VIDEO CAS_IN
GND

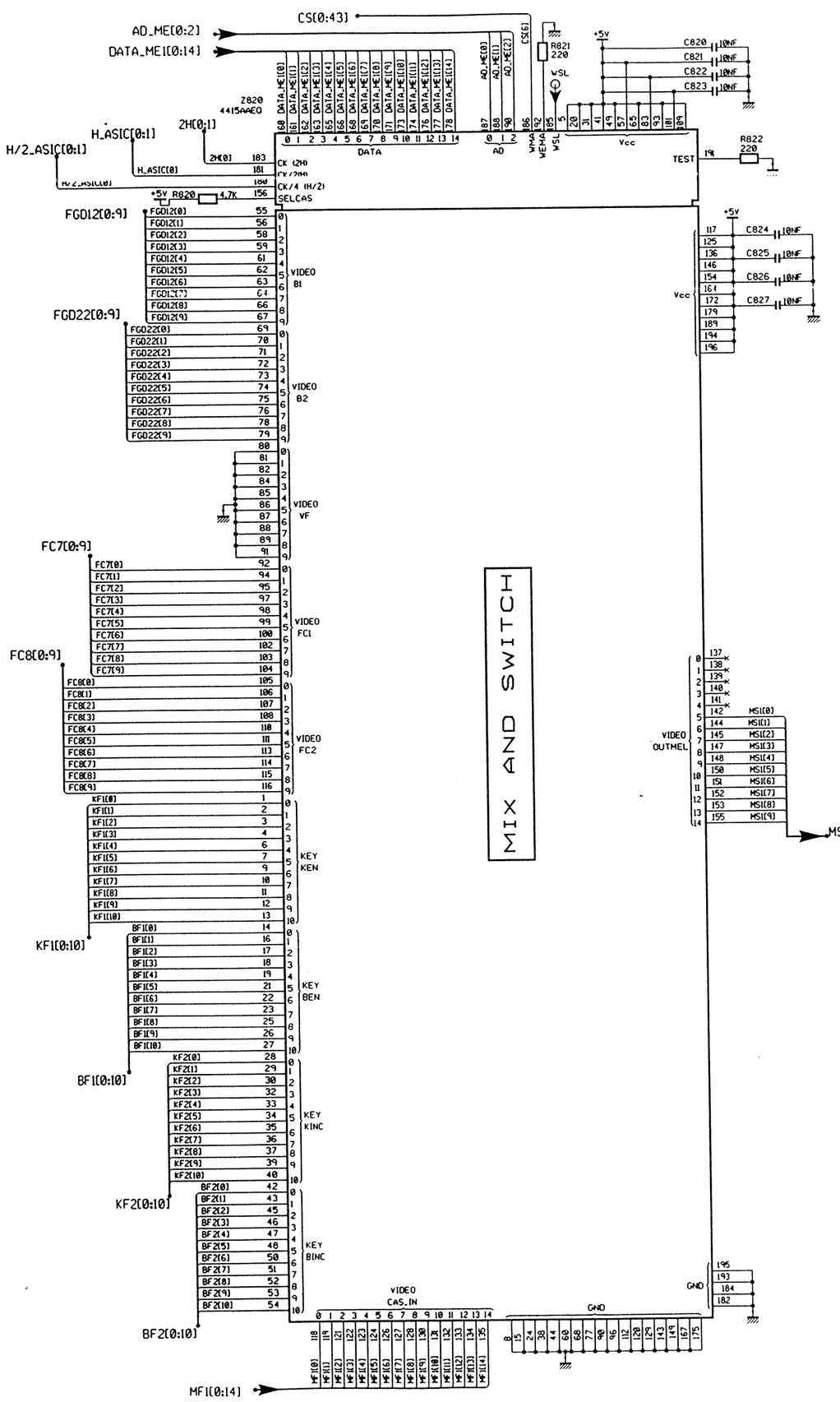
PRELIMINARY
BACKGROUND MIXING

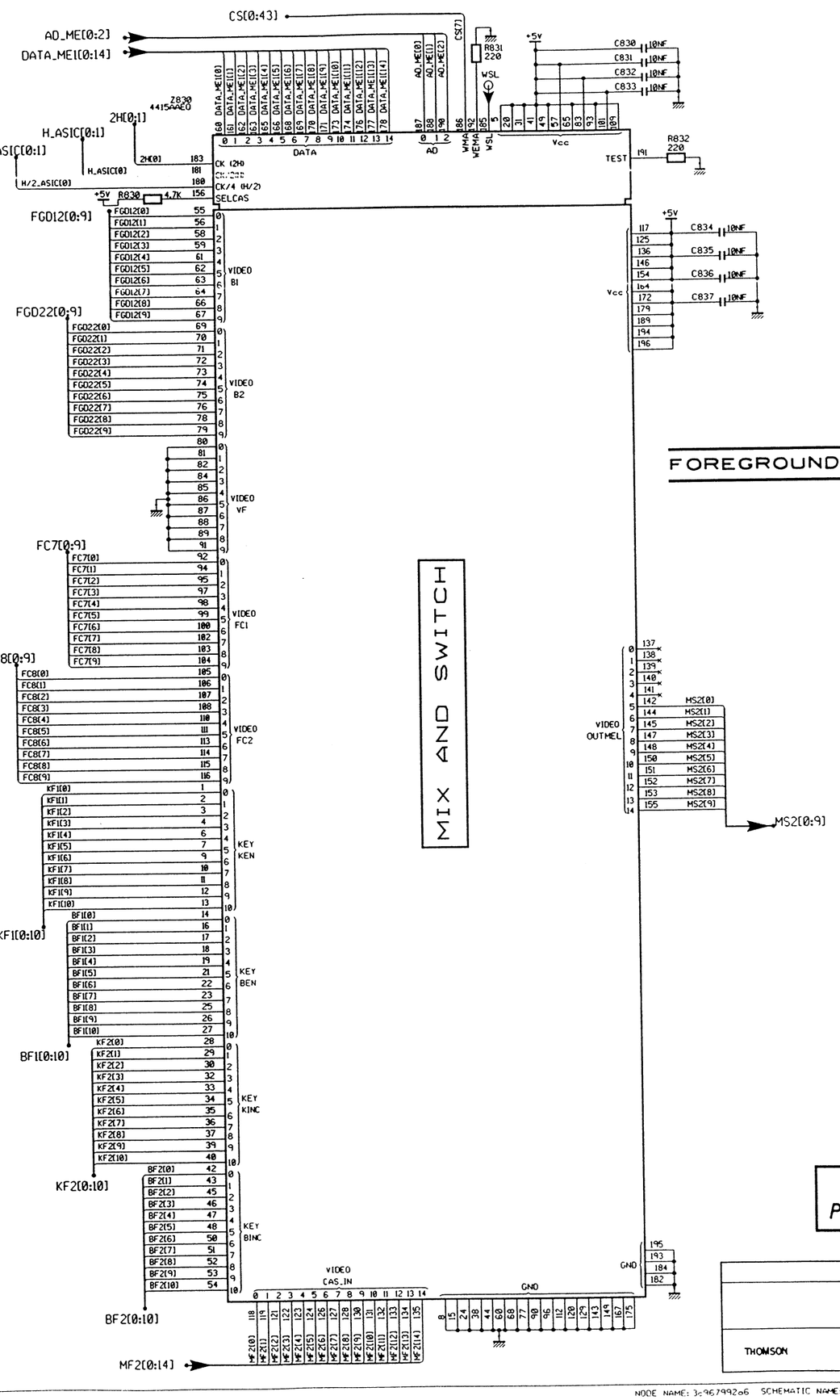
M/E AND DSK PROGRAM AND PREVIEW

TTV9200					
	TITLE: PROCESSING BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967992	A	030	10/42	BF800

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FOREGROUND MIXING

M/E AND DSK
PROGRAM AND PREVIEW

	TTV9200					
	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	11/42	BF800	

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FINAL MIXING AND DSK

MIX AND SWITCH

MIX AND SWITCH

W/E AND DSK
PROGRAM AND PREVIEW

TTV9200					
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	A	030	12/42	BF800

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2HR1[0:1]

2HR2[0:1]

BGD2[0:9]

BGD22[0:9]

VDSK[0:9]

VDSK2[0:9]

BGDI[0:9]

BGDI2[0:9]

FGD2[0:9]

FGD22[0:9]

FGDI[0:9]

FGDI2[0:9]

Z860 74F574S

Z870 74F574S

Z880 74F574S

Z890 74F574S

Z900 74F574S

Z910 74F574S

Z920 74F574S

Z930 74F574S

Z940 74F574S

Z950 74F574S

Z960 74F574S

C1510 74F574S

Z970 74F574S

Z980 74F574S

VIDEO PHASING

M/E AND DSK PROGRAM AND PREVIEW

	TTV9200					
	TITLE PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	Ø30	13/42	BF800	

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H[0:3]

KDSK[0:10] → KDSK1[0:10]

Z990 74F574S — C990 10NF — H[1]
KDSK[0] 2 → KDSK1[0] 19
KDSK[1] 3 → KDSK1[1] 18
KDSK[2] 4 → KDSK1[2] 17
KDSK[3] 5 → KDSK1[3] 16
KDSK[4] 6 → KDSK1[4] 15
KDSK[5] 7 → KDSK1[5] 14
KDSK[6] 8 → KDSK1[6] 13
KDSK[7] 9 → KDSK1[7] 12

Z1010 74F574S — C1010 10NF — H[1]
KDSK[8] 2 → KDSK1[8] 19
KDSK[9] 3 → KDSK1[9] 18
KDSK[10] 4 → KDSK1[10] 17
BDSK[0] 8 → BDSK1[0] 13
BDSK[1] 9 → BDSK1[1] 12
BDSK[2] → BDSK1[2]

Z1030 74F574S — C1030 10NF — H[1]
BDSK[3] 2 → BDSK1[3] 19
BDSK[4] 3 → BDSK1[4] 18
BDSK[5] 4 → BDSK1[5] 17
BDSK[6] 5 → BDSK1[6] 16
BDSK[7] 6 → BDSK1[7] 15
BDSK[8] 7 → BDSK1[8] 14
BDSK[9] 8 → BDSK1[9] 13
BDSK[10] 9 → BDSK1[10] 12

BDSK[0:10] → BDSK1[0:10]

KMULTI[0:10] → KMULTI1[0:10]

Z1000 74F574S — C1000 10NF — H[3]
KMULTI[3] 2 → KMULTI1[3] 19
KMULTI[4] 3 → KMULTI1[4] 18
KMULTI[5] 4 → KMULTI1[5] 17
KMULTI[6] 5 → KMULTI1[6] 16
KMULTI[7] 6 → KMULTI1[7] 15
KMULTI[8] 7 → KMULTI1[8] 14
KMULTI[9] 8 → KMULTI1[9] 13
KMULTI[10] 9 → KMULTI1[10] 12

Z1020 74F574S — C1020 10NF — H[3]
KMULTI[0] 2 → KMULTI1[0] 19
KMULTI[1] 3 → KMULTI1[1] 18
KMULTI[2] 4 → KMULTI1[2] 17

WIPE[0:10]

Z1520 74ACT574S — C1520 10NF — H[3]
WIPE[3] 2 → WIPE1[3] 19
WIPE[4] 3 → WIPE1[4] 18
WIPE[5] 4 → WIPE1[5] 17
WIPE[6] 5 → WIPE1[6] 16
WIPE[7] 6 → WIPE1[7] 15
WIPE[8] 7 → WIPE1[8] 14
WIPE[9] 8 → WIPE1[9] 13
WIPE[10] 9 → WIPE1[10] 12

Z1530 74ACT574S — C1530 10NF — H[3]
WIPE[0] 2 → WIPE1[0] 19
WIPE[1] 3 → WIPE1[1] 18
WIPE[2] 4 → WIPE1[2] 17
WIPEBOR[0] 8 → WIPEBORI[0] 14
WIPEBOR[1] 9 → WIPEBORI[1] 13
WIPEBOR[2] → WIPEBORI[2] 12
C1531 47PF

Z1540 74ACT574S — C1540 10NF — H[3]
WIPEBOR[10] 2 → WIPEBORI[10] 19
WIPEBOR[9] 3 → WIPEBORI[9] 18
WIPEBOR[8] 4 → WIPEBORI[8] 17
WIPEBOR[7] 5 → WIPEBORI[7] 16
WIPEBOR[6] 6 → WIPEBORI[6] 15
WIPEBOR[5] 7 → WIPEBORI[5] 14
WIPEBOR[4] 8 → WIPEBORI[4] 13
WIPEBOR[3] 9 → WIPEBORI[3] 12

WIPEBOR[0:10] → WIPEBORI[0:10]

WIPE[0:10]

COMMAND[0:12]

Z1040 FIFO 2KX8 — C1040 10NF — H[2]
COMMAND[2] → /H
WIPE[3] 4 → WIPE2[3] 19
WIPE[4] 5 → WIPE2[4] 18
WIPE[5] 6 → WIPE2[5] 17
WIPE[6] 7 → WIPE2[6] 16
WIPE[7] 8 → WIPE2[7] 15
WIPE[8] 9 → WIPE2[8] 14
WIPE[9] 10 → WIPE2[9] 13
WIPE[10] 11 → WIPE2[10] 12
COMMAND[3] → H[2]
R1040 4.7K
R1041 4.7K
R1042 4.7K
+5V
MODE
Vss
Z1040 val: 28NS FF02KX8CS

Z1050 74ACT574S — C1050 10NF — H[2]
WIPE2[3] 2 → WIPE2[3] 19
WIPE2[4] 3 → WIPE2[4] 18
WIPE2[5] 4 → WIPE2[5] 17
WIPE2[6] 5 → WIPE2[6] 16
WIPE2[7] 6 → WIPE2[7] 15
WIPE2[8] 7 → WIPE2[8] 14
WIPE2[9] 8 → WIPE2[9] 13
WIPE2[10] 9 → WIPE2[10] 12

WIPE2[0:10]

Z1060 FIFO 2KX8 — C1060 10NF — H[2]
COMMAND[2] → /H
WIPE[0] 4 → WIPE2[0] 19
WIPE[1] 5 → WIPE2[1] 18
WIPE[2] 6 → WIPE2[2] 17
WIPEBOR[0] 10 → WIPEBOR2[0] 14
WIPEBOR[1] 11 → WIPEBOR2[1] 13
WIPEBOR[2] → WIPEBOR2[2] 12
COMMAND[3] → H[2]
R1060 4.7K
R1061 4.7K
R1062 4.7K
+5V
MODE
Vss
Z1060 val: 28NS FF02KX8CS

Z1070 74ACT574S — C1070 10NF — H[2]
WIPE2[0] 2 → WIPE2[0] 19
WIPE2[1] 3 → WIPE2[1] 18
WIPE2[2] 4 → WIPE2[2] 17
WIPEBOR2[0] 8 → WIPEBOR2[0] 14
WIPEBOR2[1] 9 → WIPEBOR2[1] 13
WIPEBOR2[2] → WIPEBOR2[2] 12

WIPEBOR2[0:10]

Z1080 FIFO 2KX8 — C1080 10NF — H[2]
COMMAND[2] → /H
WIPEBOR[3] 4 → WIPEBOR2[3] 19
WIPEBOR[4] 5 → WIPEBOR2[4] 18
WIPEBOR[5] 6 → WIPEBOR2[5] 17
WIPEBOR[6] 7 → WIPEBOR2[6] 16
WIPEBOR[7] 8 → WIPEBOR2[7] 15
WIPEBOR[8] 9 → WIPEBOR2[8] 14
WIPEBOR[9] 10 → WIPEBOR2[9] 13
WIPEBOR[10] 11 → WIPEBOR2[10] 12
COMMAND[3] → H[2]
R1080 4.7K
R1081 4.7K
R1082 4.7K
+5V
MODE
Vss
Z1080 val: 28NS FF02KX8CS

Z1090 74ACT574S — C1090 10NF — H[2]
WIPEBOR2[3] 2 → WIPEBOR2[3] 19
WIPEBOR2[4] 3 → WIPEBOR2[4] 18
WIPEBOR2[5] 4 → WIPEBOR2[5] 17
WIPEBOR2[6] 5 → WIPEBOR2[6] 16
WIPEBOR2[7] 6 → WIPEBOR2[7] 15
WIPEBOR2[8] 7 → WIPEBOR2[8] 14
WIPEBOR2[9] 8 → WIPEBOR2[9] 13
WIPEBOR2[10] 9 → WIPEBOR2[10] 12

WIPEBOR[0:10]

KEY PHASING

M/E AND DSK PROGRAM AND PREVIEW

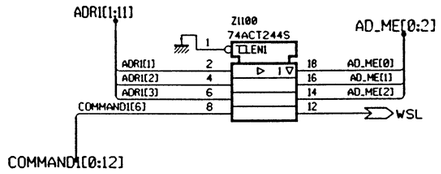
TTV9200

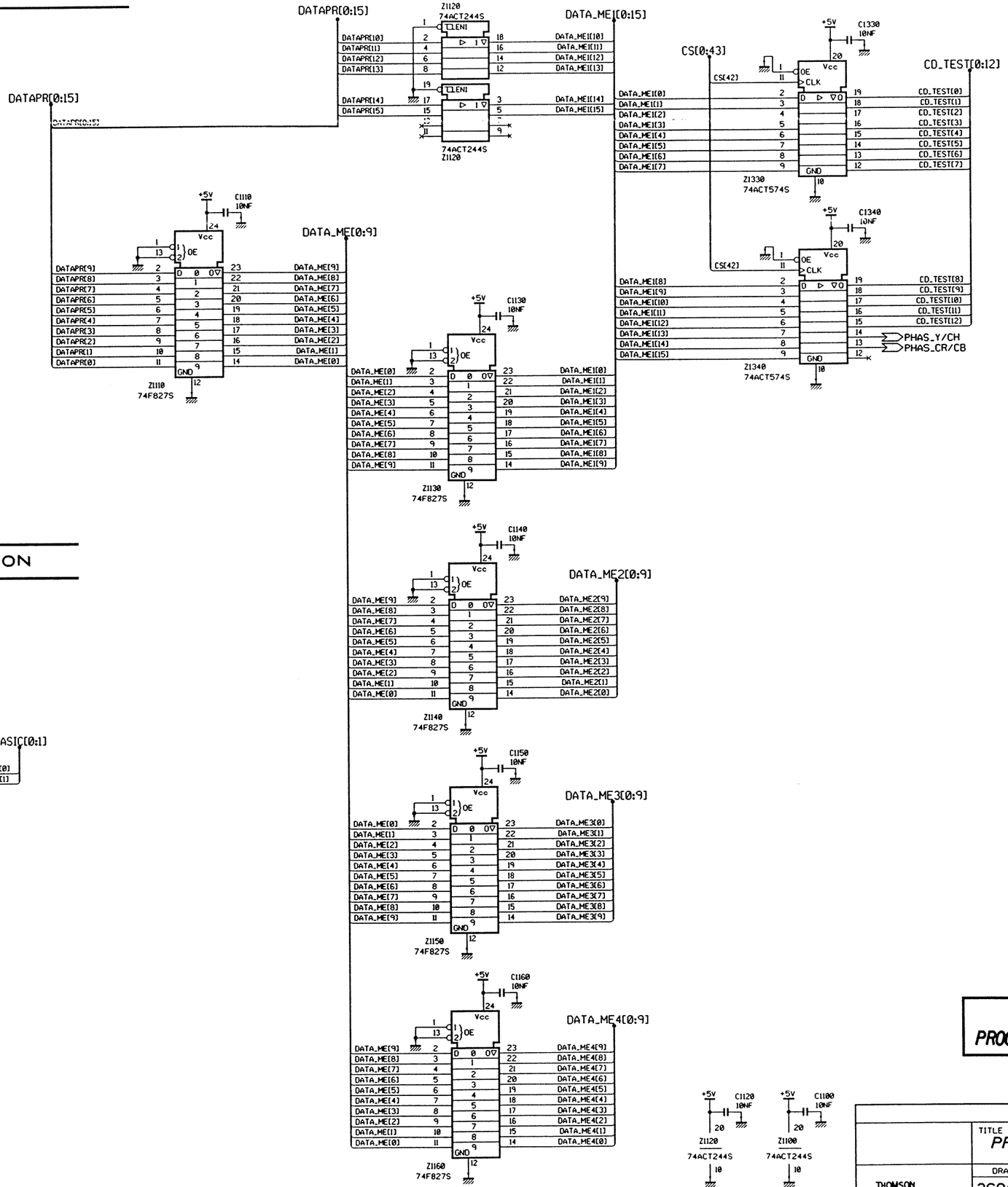
TITLE: PROCESSING BOARD

THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967992	A	030	14/42	BF800

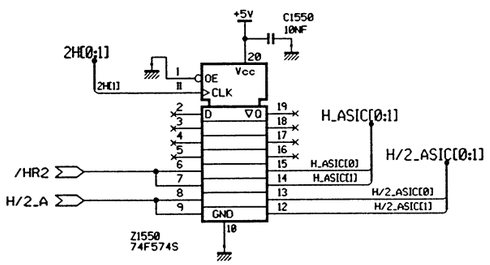
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ADDRESS AND DATA BUS LOCAL DISTRIBUTION

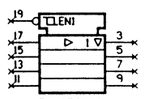




LOCAL CLOCK DISTRIBUTION



FREE



M/E AND DSK PROGRAM AND PREVIEW

	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	A	030	15/42	BF800

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CS[0:43]

CS[0:43]

DATA_ME2[0:9]

DATA_ME2[0:9]

CS[10]

OE_Y

C1180 10NF

Z1180 74F821S

FC5[0:9]

DATA_ME2[9] DATA_ME2[8] DATA_ME2[7] DATA_ME2[6] DATA_ME2[5] DATA_ME2[4] DATA_ME2[3] DATA_ME2[2] DATA_ME2[1] DATA_ME2[0]

FC5[9] FC5[8] FC5[7] FC5[6] FC5[5] FC5[4] FC5[3] FC5[2] FC5[1] FC5[0]

CS[11]

OE_CR

C1230 10NF

Z1230 74F821S

DATA_ME2[0] DATA_ME2[1] DATA_ME2[2] DATA_ME2[3] DATA_ME2[4] DATA_ME2[5] DATA_ME2[6] DATA_ME2[7] DATA_ME2[8] DATA_ME2[9]

FC5[0] FC5[1] FC5[2] FC5[3] FC5[4] FC5[5] FC5[6] FC5[7] FC5[8] FC5[9]

CS[12]

OE_CB

C1280 10NF

Z1280 74F821S

DATA_ME2[0] DATA_ME2[1] DATA_ME2[2] DATA_ME2[3] DATA_ME2[4] DATA_ME2[5] DATA_ME2[6] DATA_ME2[7] DATA_ME2[8] DATA_ME2[9]

FC5[0] FC5[1] FC5[2] FC5[3] FC5[4] FC5[5] FC5[6] FC5[7] FC5[8] FC5[9]

DATA_ME2[0:9]

FC5[0:9]

CS[0:43]

CS[13]

OE_Y

C1190 10NF

Z1190 74F821S

FC6[0:9]

DATA_ME2[9] DATA_ME2[8] DATA_ME2[7] DATA_ME2[6] DATA_ME2[5] DATA_ME2[4] DATA_ME2[3] DATA_ME2[2] DATA_ME2[1] DATA_ME2[0]

FC6[9] FC6[8] FC6[7] FC6[6] FC6[5] FC6[4] FC6[3] FC6[2] FC6[1] FC6[0]

CS[14]

OE_CR

C1240 10NF

Z1240 74F821S

DATA_ME2[0] DATA_ME2[1] DATA_ME2[2] DATA_ME2[3] DATA_ME2[4] DATA_ME2[5] DATA_ME2[6] DATA_ME2[7] DATA_ME2[8] DATA_ME2[9]

FC6[0] FC6[1] FC6[2] FC6[3] FC6[4] FC6[5] FC6[6] FC6[7] FC6[8] FC6[9]

DATA_ME2[0:9]

CS[15]

OE_CB

C1290 10NF

Z1290 74F821S

DATA_ME3[9] DATA_ME3[8] DATA_ME3[7] DATA_ME3[6] DATA_ME3[5] DATA_ME3[4] DATA_ME3[3] DATA_ME3[2] DATA_ME3[1] DATA_ME3[0]

FC6[9] FC6[8] FC6[7] FC6[6] FC6[5] FC6[4] FC6[3] FC6[2] FC6[1] FC6[0]

DATA_ME3[0:9]

FC6[0:9]

CS[0:43]

DATA_ME3[0:9]

DATA_ME3[0:9]

CS[16]

OE_Y

C1200 10NF

Z1200 74F821S

FC7[0:9]

DATA_ME3[9] DATA_ME3[8] DATA_ME3[7] DATA_ME3[6] DATA_ME3[5] DATA_ME3[4] DATA_ME3[3] DATA_ME3[2] DATA_ME3[1] DATA_ME3[0]

FC7[9] FC7[8] FC7[7] FC7[6] FC7[5] FC7[4] FC7[3] FC7[2] FC7[1] FC7[0]

CS[17]

OE_CR

C1250 10NF

Z1250 74F821S

DATA_ME3[0] DATA_ME3[1] DATA_ME3[2] DATA_ME3[3] DATA_ME3[4] DATA_ME3[5] DATA_ME3[6] DATA_ME3[7] DATA_ME3[8] DATA_ME3[9]

FC7[0] FC7[1] FC7[2] FC7[3] FC7[4] FC7[5] FC7[6] FC7[7] FC7[8] FC7[9]

CS[18]

OE_CB

C1300 10NF

Z1300 74F821S

DATA_ME3[0] DATA_ME3[1] DATA_ME3[2] DATA_ME3[3] DATA_ME3[4] DATA_ME3[5] DATA_ME3[6] DATA_ME3[7] DATA_ME3[8] DATA_ME3[9]

FC7[0] FC7[1] FC7[2] FC7[3] FC7[4] FC7[5] FC7[6] FC7[7] FC7[8] FC7[9]

DATA_ME3[0:9]

FC7[0:9]

CS[0:43]

CS[19]

OE_Y

C1210 10NF

Z1210 74F821S

FC8[0:9]

DATA_ME3[9] DATA_ME3[8] DATA_ME3[7] DATA_ME3[6] DATA_ME3[5] DATA_ME3[4] DATA_ME3[3] DATA_ME3[2] DATA_ME3[1] DATA_ME3[0]

FC8[9] FC8[8] FC8[7] FC8[6] FC8[5] FC8[4] FC8[3] FC8[2] FC8[1] FC8[0]

DATA_ME3[0:9]

CS[20]

OE_CR

C1260 10NF

Z1260 74F821S

DATA_ME4[0:9]

DATA_ME4[9] DATA_ME4[8] DATA_ME4[7] DATA_ME4[6] DATA_ME4[5] DATA_ME4[4] DATA_ME4[3] DATA_ME4[2] DATA_ME4[1] DATA_ME4[0]

FC8[9] FC8[8] FC8[7] FC8[6] FC8[5] FC8[4] FC8[3] FC8[2] FC8[1] FC8[0]

CS[21]

OE_CB

C1310 10NF

Z1310 74F821S

DATA_ME4[0] DATA_ME4[1] DATA_ME4[2] DATA_ME4[3] DATA_ME4[4] DATA_ME4[5] DATA_ME4[6] DATA_ME4[7] DATA_ME4[8] DATA_ME4[9]

FC8[0] FC8[1] FC8[2] FC8[3] FC8[4] FC8[5] FC8[6] FC8[7] FC8[8] FC8[9]

DATA_ME4[0:9]

FC8[0:9]

DATA_ME4[0:9]

CS[22]

OE_Y

C1220 10NF

Z1220 74F821S

FC9[0:9]

DATA_ME4[9] DATA_ME4[8] DATA_ME4[7] DATA_ME4[6] DATA_ME4[5] DATA_ME4[4] DATA_ME4[3] DATA_ME4[2] DATA_ME4[1] DATA_ME4[0]

FC9[9] FC9[8] FC9[7] FC9[6] FC9[5] FC9[4] FC9[3] FC9[2] FC9[1] FC9[0]

CS[23]

OE_CR

C1270 10NF

Z1270 74F821S

DATA_ME4[0] DATA_ME4[1] DATA_ME4[2] DATA_ME4[3] DATA_ME4[4] DATA_ME4[5] DATA_ME4[6] DATA_ME4[7] DATA_ME4[8] DATA_ME4[9]

FC9[0] FC9[1] FC9[2] FC9[3] FC9[4] FC9[5] FC9[6] FC9[7] FC9[8] FC9[9]

CS[24]

OE_CB

C1320 10NF

Z1320 74F821S

DATA_ME4[9] DATA_ME4[8] DATA_ME4[7] DATA_ME4[6] DATA_ME4[5] DATA_ME4[4] DATA_ME4[3] DATA_ME4[2] DATA_ME4[1] DATA_ME4[0]

FC9[9] FC9[8] FC9[7] FC9[6] FC9[5] FC9[4] FC9[3] FC9[2] FC9[1] FC9[0]

FC9[0:9]

2H[0:1]

C1560 10NF

R1560 220

R1561 220

R1562 220

PHAS_Y/CH
PHAS_CR/CB
/H/2
H/2
/H
H[0]

I/CLK
I/OE
EPLD

OE_Y
OE_CR
OE_CB
2HL

Z1560
EP16V8BD_3
vals 7NS

H[0:3]

MATTE GENERATION

Y COMPONENTS

CR COMPONENTS

CB COMPONENTS

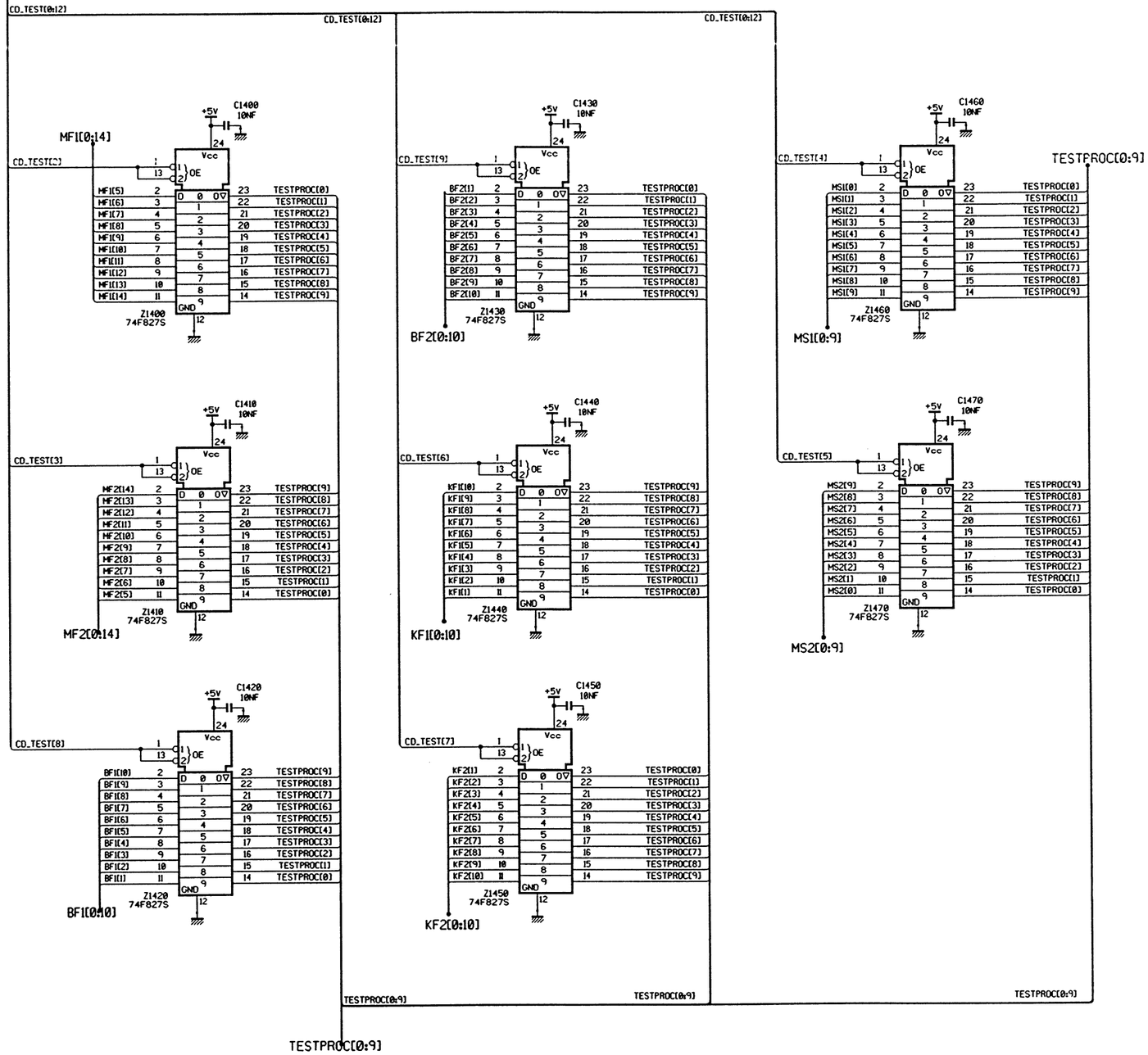
M/E AND DSK PROGRAM AND PREVIEW

	TTV9200					
	TITLE PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	16/42	BF800	

NODE NAME: 3c967992a6 SCHEMATIC NAME: me.sch SHEET NUMBER: 7 DATE: Nov 6, 1995

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CD_TEST[0:12]



TESTPROC[0:9]

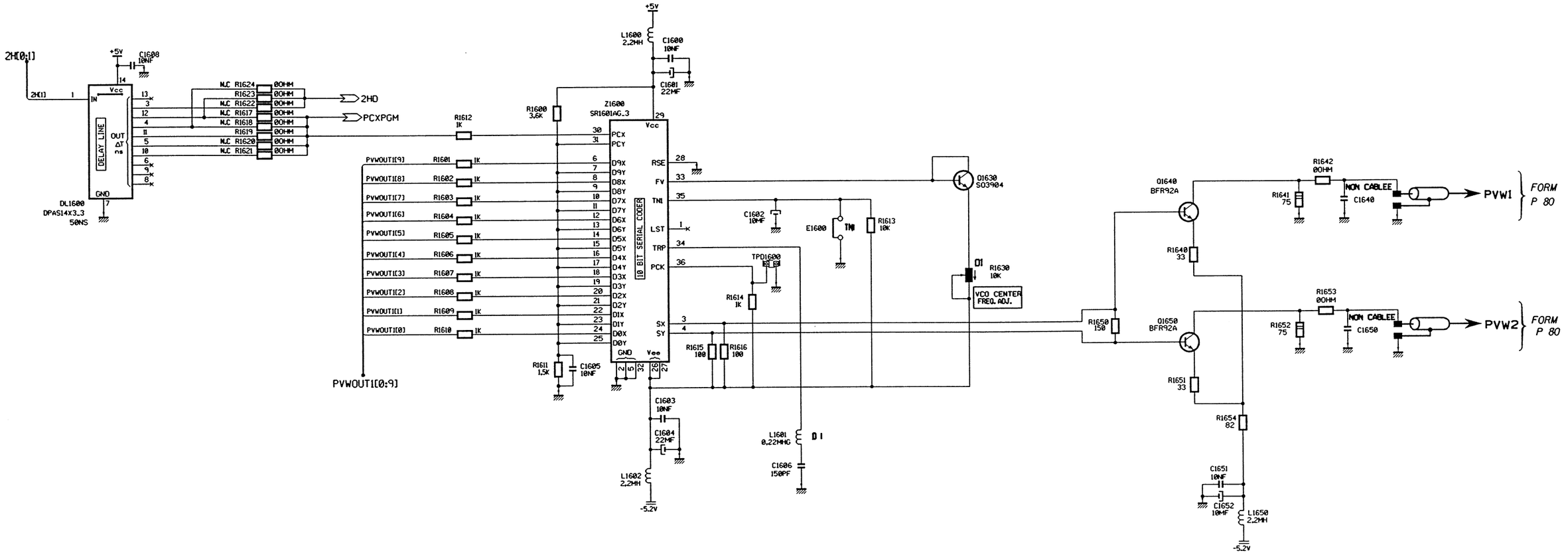
M/E AND DSK PROGRAM AND PREVIEW

	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	A	030	17/42	BF800

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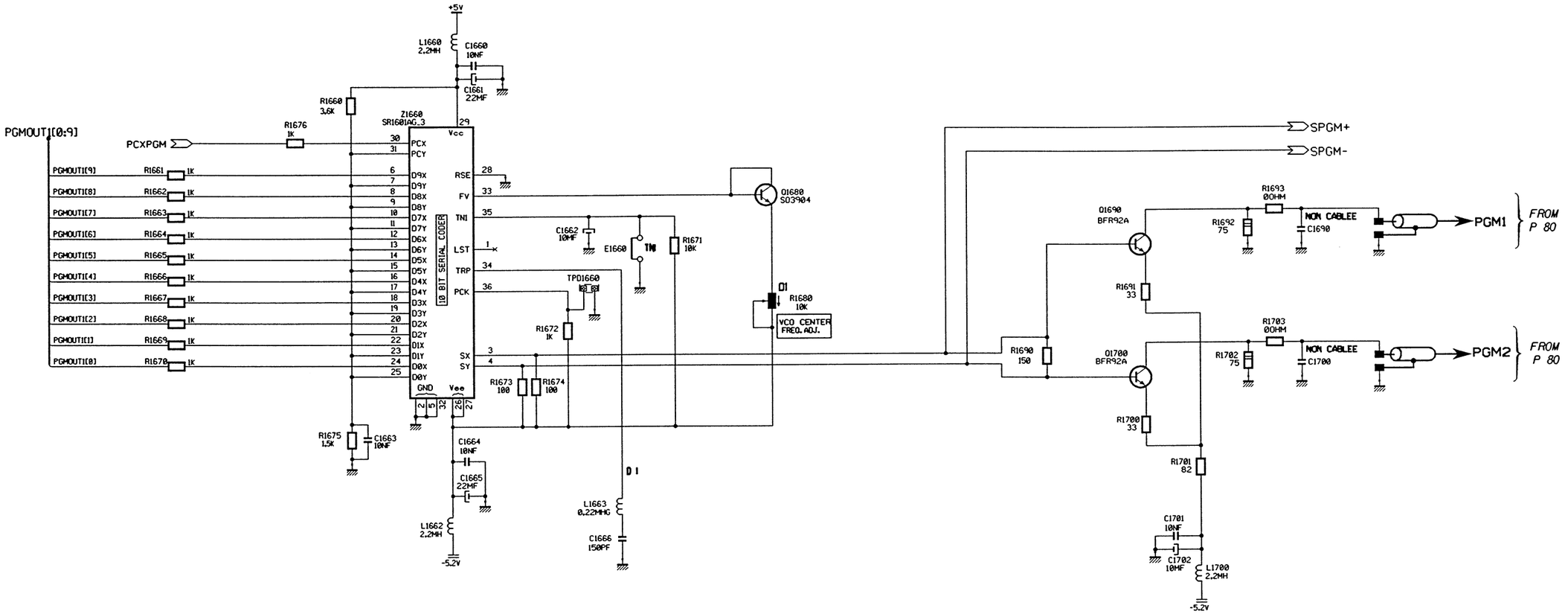


PGM AND PVW SERIALIZER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	18/42	BF1600	

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PGM AND PVW SERIALIZER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	19/42	BF1600	

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COMMAND1[0:12]

HLOC_PVW

HLOC_PGM

Z1710 74F74S

Z1720 74F74S

2H[0:1]

Z1970 74F574S

Z1980 74F574S

H_PGM /Z1820

F_PGM /Z1820

HLOC_KEY

FLOC_KEY

PROM CONTROL

Z1730 DMX4220N

BVUL_PGM

BVF_PGM

PVWI[0:9]

PVWOUT[0:9]

CD_TEST[0:12]

Z1760 74F821S

TEST[0:9]

TESTPROC[0:9]

Z1930 74F244S

Z1940 74F244S

Z1950 74F244S

CS[0:43]

Z1810 74F821S

DATAPR[0:15]

FREE

Z1720 74F74S

E1820 JUMP3P

E1821 JUMP3P

E1822 JUMP3P

R1840 4,7K

Z1990 74F86S

FE_OUT

PGM[0:9]

Z1790 74F574S

Z1820 DMX4220N

PGMOUT[0:9]

Z1850 74F574S

Z1860 74F574S

PVWOUT[0:9]

Z1991 9501CC 30MHZ

4 DL1600

PROGRAMMABLE DATA BUFFER

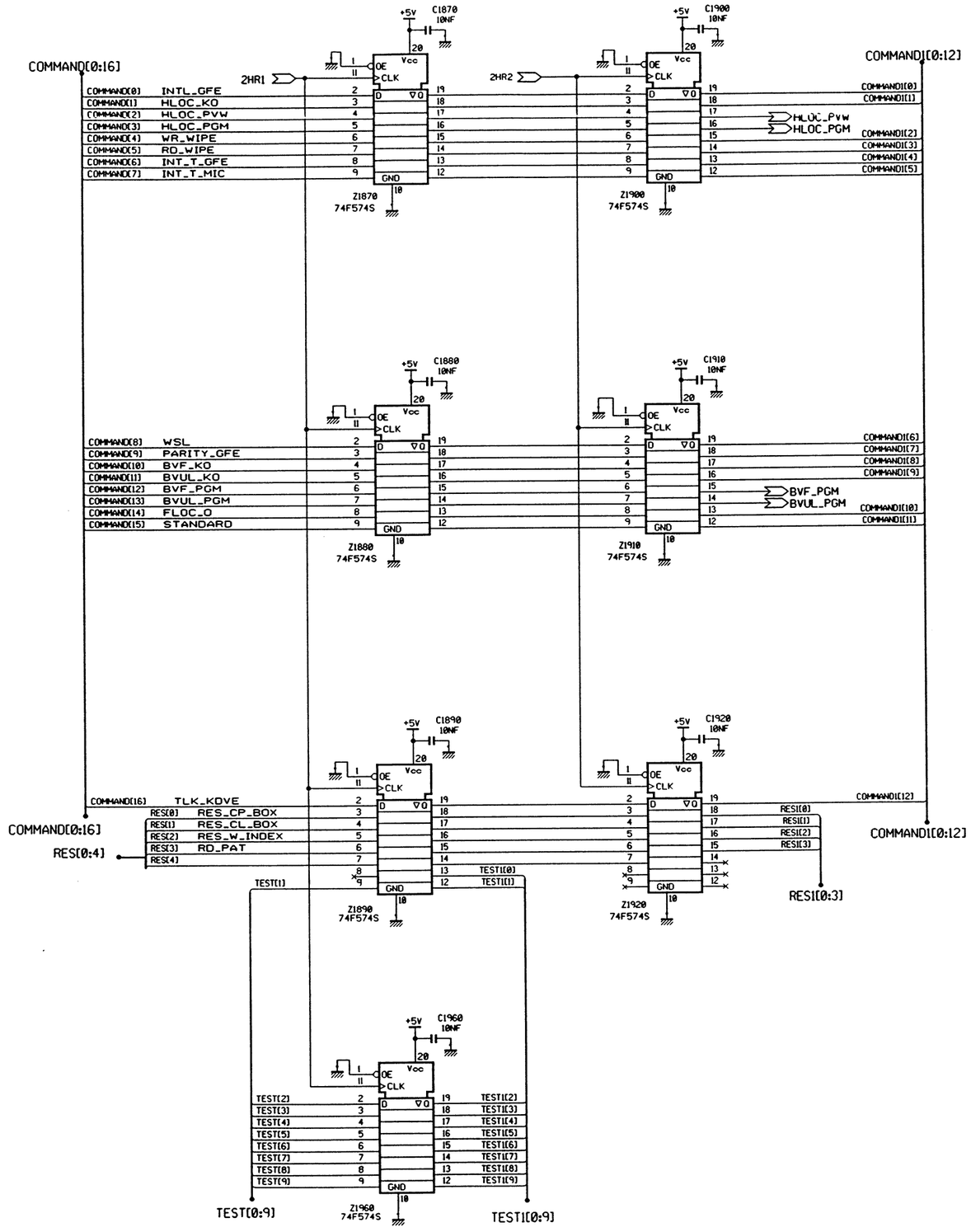
FE_IN

PGM AND PVW SERIALIZER

THOMSON	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967992	B	030	20/42	BF1600

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PGM AND PVW SERIALIZER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	21/42	BF1600	

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2H
/HR2
Z2000 74F574S
+5V C2000 10NF
C2050 10NF
C2051 10NF
C2052 10NF
C2053 10NF
DATA_KEY[0:11]
AD_KEY[0:5]
CS[0:43]
COMMAND[0:12]
CS[3]
R2050 220
COMMAND[6]
CK
CK/2
DATA
AD
WMA
WEMA
WSL
ASIC COVILUKE
CHANNEL A
VIN
VOUT
Z2050 COVILUKO
K12[0:9]
K13[0:10]
K14[0:10]
/HR1
HR2
Z2070 74ACT574S
Z2080 74ACT574S
C2070 10NF
C2080 10NF
Z2090 74ACT574S
Z2100 74ACT574S
C2090 10NF
C2100 10NF
K23[0:10]
K24[0:10]
CD_TEST[0:12]
TESTPROC[0:9]
Z2160 74F244S
Z2170 74F244S
Z2180 74F244S
CD_TEST[0]
CD_TEST[1]
K1[0:9]
2HR1
2HR2
Z2010 74F574S
Z2040 74F574S
Z2020 74F574S
Z2060 74F574S
Z2030 74F574S
Z2300 74F574S
C2010 10NF
C2040 10NF
C2020 10NF
C2061 10NF
C2030 10NF
C2300 10NF
K2[0:9]
K22[0:9]
Z2050 COVILUKQ
POWER SEE CHANNEL A
CHANNEL B
K22[0:10]
K23[0:10]
Z2110 74ACT574S
Z2120 74ACT574S
C2110 10NF
C2120 10NF
C2160 10NF
C2170 10NF
C2180 10NF

LUMINANCE KEY

KEY PROCESS

	TTV9200					
	TITLE PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	22/42	BF2000	

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CHRO_K11[0:10]

K14[0:10]

CHRO/K1

K1P[0:10]

CHRO_K21[0:10]

K24[0:10]

CHRO/K2

K2P[0:10]

DATAPR[0:15]

DATA_KEY[0:11]

CHRO_KEY1[0:10]

CHRO_KEY2[0:10]

H

+5V

C2190 10NF

Z2190 74F574S

CHRO_KEY1[0] 2 → CHRO_K11[0] 19
CHRO_KEY1[1] 3 → CHRO_K11[1] 18
CHRO_KEY1[2] 4 → CHRO_K11[2] 17
CHRO_KEY2[0] 7 → CHRO_K21[0] 14
CHRO_KEY2[1] 8 → CHRO_K21[1] 13
CHRO_KEY2[2] 9 → CHRO_K21[2] 12

C2200 10NF

Z2200 74F574S

CHRO_KEY1[3] 2 → CHRO_K11[3] 19
CHRO_KEY1[4] 3 → CHRO_K11[4] 18
CHRO_KEY1[5] 4 → CHRO_K11[5] 17
CHRO_KEY1[6] 5 → CHRO_K11[6] 16
CHRO_KEY1[7] 6 → CHRO_K11[7] 15
CHRO_KEY1[8] 7 → CHRO_K11[8] 14
CHRO_KEY1[9] 8 → CHRO_K11[9] 13
CHRO_KEY1[10] 9 → CHRO_K11[10] 12

C2210 10NF

Z2210 74ACT257S

CHRO_K11[10] 2 → K14[10] 3 → K1P[10] 4
CHRO_K11[9] 5 → K14[9] 6 → K1P[9] 7
CHRO_K11[8] 11 → K14[8] 10 → K1P[8] 9
CHRO_K11[7] 14 → K14[7] 13 → K1P[7] 12

C2220 10NF

Z2220 74ACT257S

CHRO_K11[6] 2 → K14[6] 3 → K1P[6] 4
CHRO_K11[5] 5 → K14[5] 6 → K1P[5] 7
CHRO_K11[4] 11 → K14[4] 10 → K1P[4] 9
CHRO_K11[3] 14 → K14[3] 13 → K1P[3] 12

C2230 10NF

Z2230 74ACT257S

CHRO_K11[2] 2 → K14[2] 3 → K1P[2] 4
CHRO_K11[1] 5 → K14[1] 6 → K1P[1] 7
CHRO_K11[0] 11 → K14[0] 10 → K1P[0] 9

C2240 10NF

Z2240 74ACT257S

CHRO_K21[10] 2 → K24[10] 3 → K2P[10] 4
CHRO_K21[9] 5 → K24[9] 6 → K2P[9] 7
CHRO_K21[8] 11 → K24[8] 10 → K2P[8] 9
CHRO_K21[7] 14 → K24[7] 13 → K2P[7] 12

C2250 10NF

Z2250 74ACT257S

CHRO_K21[6] 2 → K24[6] 3 → K2P[6] 4
CHRO_K21[5] 5 → K24[5] 6 → K2P[5] 7
CHRO_K21[4] 11 → K24[4] 10 → K2P[4] 9
CHRO_K21[3] 14 → K24[3] 13 → K2P[3] 12

C2260 10NF

Z2260 74ACT257S

CHRO_K21[2] 2 → K24[2] 3 → K2P[2] 4
CHRO_K21[1] 5 → K24[1] 6 → K2P[1] 7
CHRO_K21[0] 11 → K24[0] 10 → K2P[0] 9

C2270 10NF

Z2270 74F574S

CHRO_KEY2[3] 2 → CHRO_K21[3] 19
CHRO_KEY2[4] 3 → CHRO_K21[4] 18
CHRO_KEY2[5] 4 → CHRO_K21[5] 17
CHRO_KEY2[6] 5 → CHRO_K21[6] 16
CHRO_KEY2[7] 6 → CHRO_K21[7] 15
CHRO_KEY2[8] 7 → CHRO_K21[8] 14
CHRO_KEY2[9] 8 → CHRO_K21[9] 13
CHRO_KEY2[10] 9 → CHRO_K21[10] 12

Z2280 74ACT244S

DATAPR[0] 2 → DATA_KEY[0] 18
DATAPR[1] 4 → DATA_KEY[1] 16
DATAPR[2] 6 → DATA_KEY[2] 14
DATAPR[3] 8 → DATA_KEY[3] 12
DATAPR[4] 11 → DATA_KEY[4] 9
DATAPR[5] 13 → DATA_KEY[5] 7
DATAPR[6] 15 → DATA_KEY[6] 5
DATAPR[7] 17 → DATA_KEY[7] 3

Z2290 74ACT244S

DATAPR[8] 2 → DATA_KEY[8] 18
DATAPR[9] 4 → DATA_KEY[9] 16
DATAPR[10] 6 → DATA_KEY[10] 14
DATAPR[11] 8 → DATA_KEY[11] 12

DATAPR[0:15]

FREE

R2290 4,7k

Z2290 74ACT244S

C2280 10NF

Z2280 74ACT244S

C2290 10NF

Z2290 74ACT244S

KEY PROCESS

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO: 3C967992	REV: A	CODE: 030	SHEET: 23/42	BLOCK: BF2000	

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LSB FILTER DELAY COMPENSATION

KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	24/42	BF2400	

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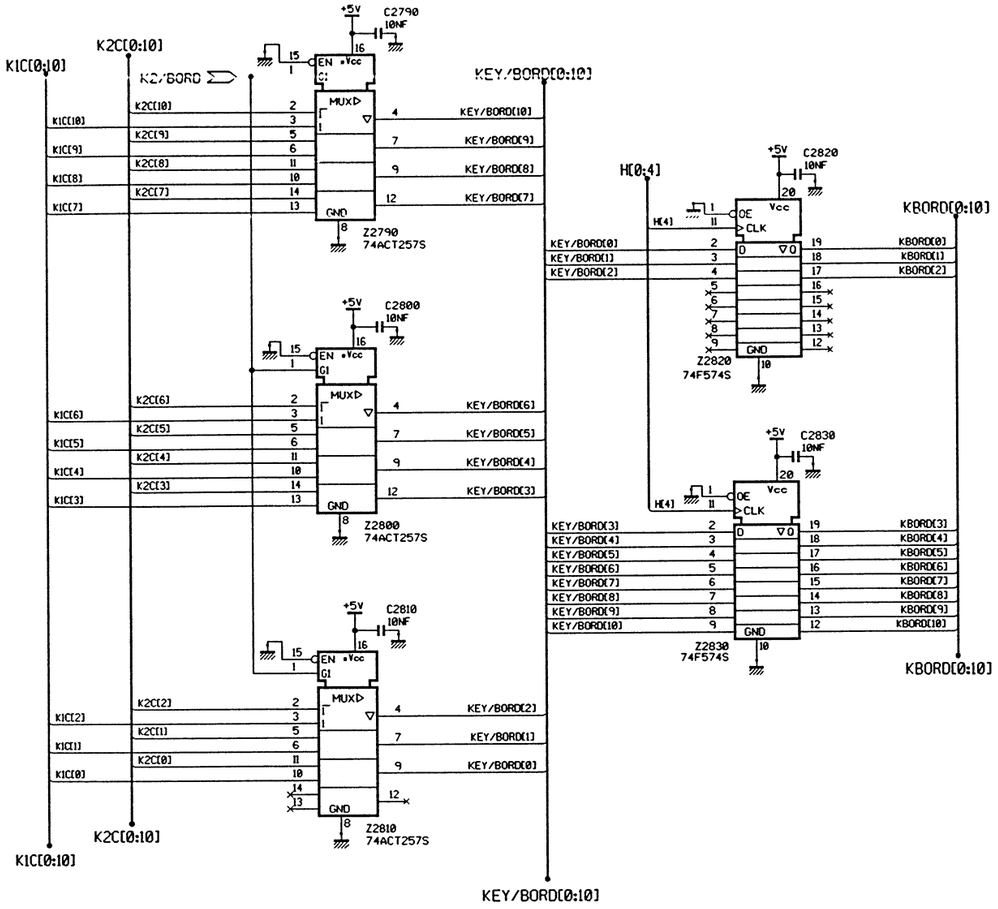
KEY COMPOSE AND FILTER

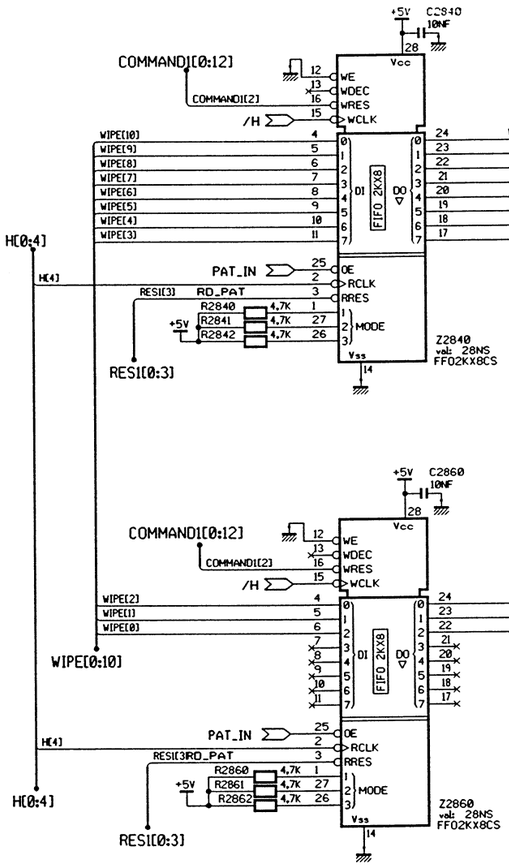
LSB FILTER DELAY COMPENSATION

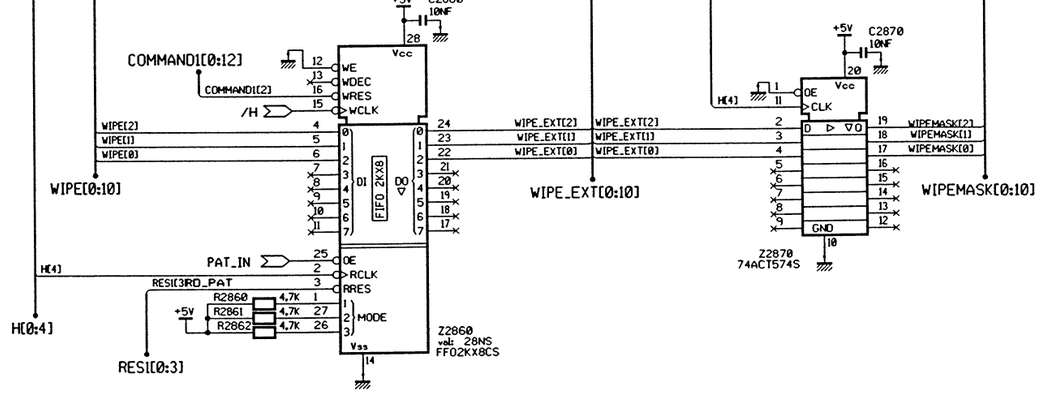
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	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967992	A	030	25/42	BF2400

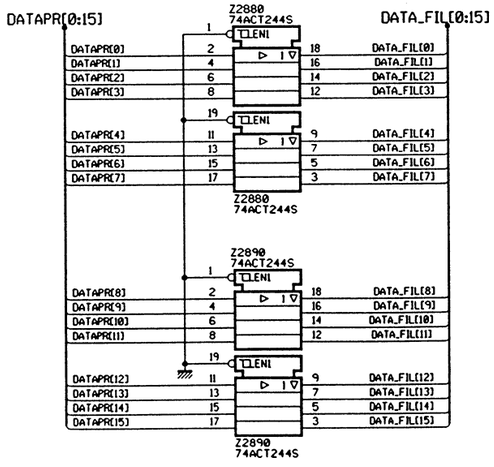
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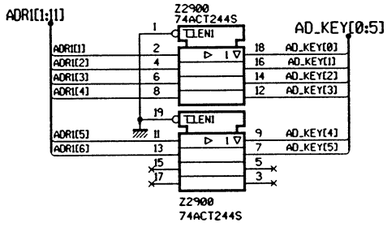
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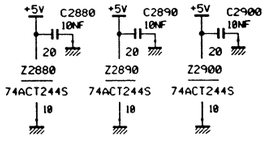










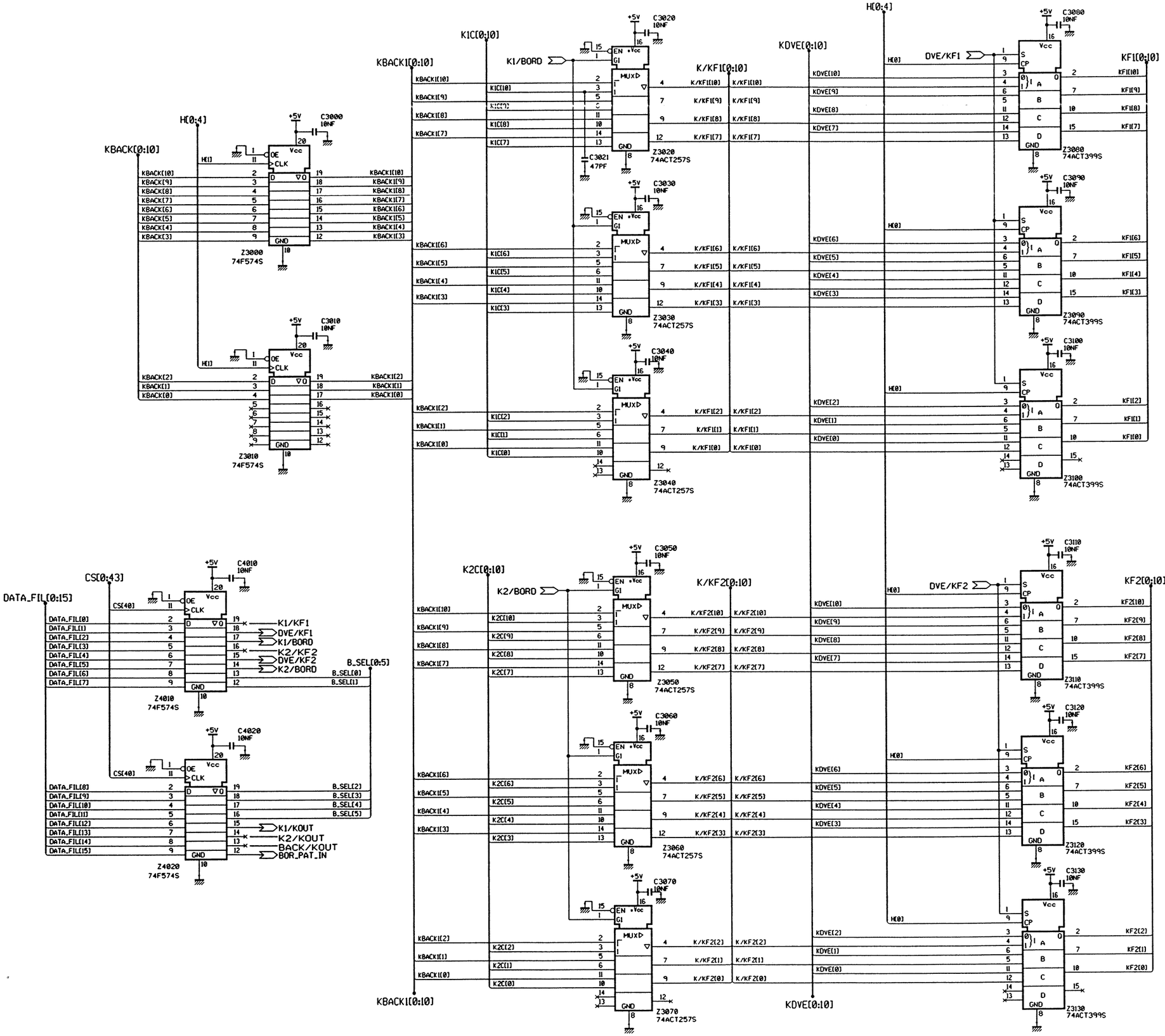


KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	26/42	BF2400	

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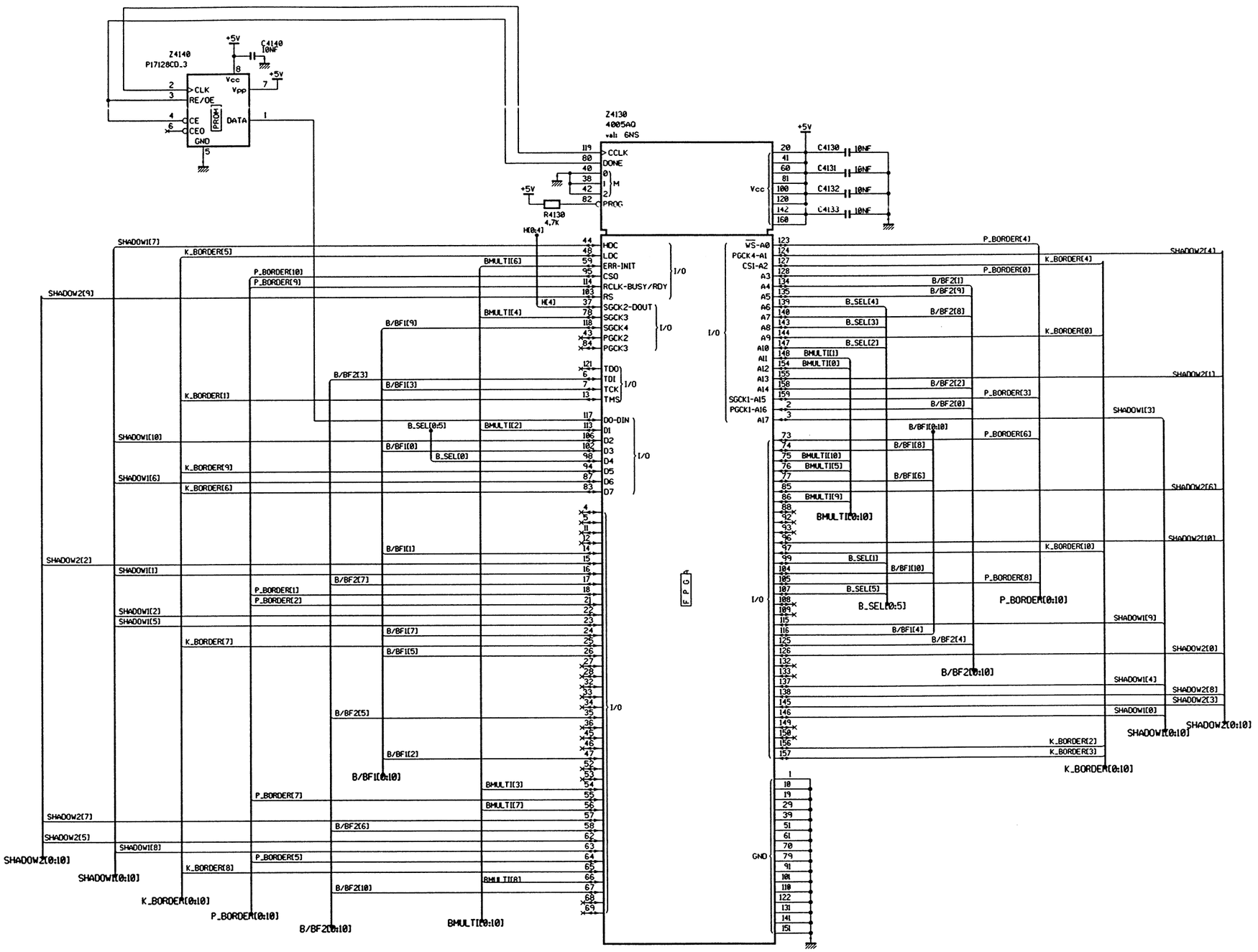
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KEY SELECTION

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	27/42	BF3000	

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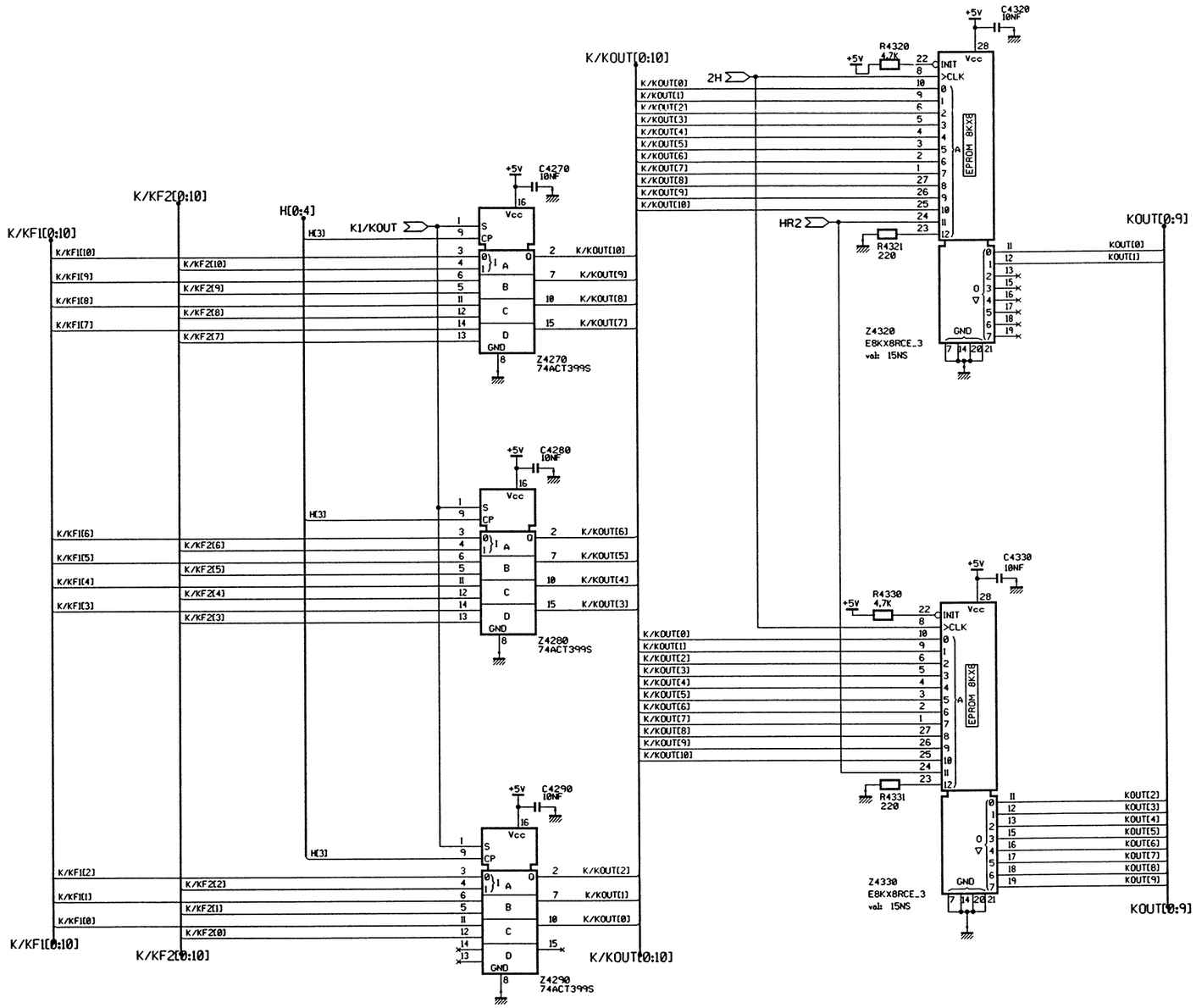


KEY SELECTION

	TTV9200				
	TITLE: PROCESSING BOARD				
THOMSON	DRAWING NO: 3C967992	REV: A	CODE: 030	SHEET: 29/42	BLOCK: BF3000

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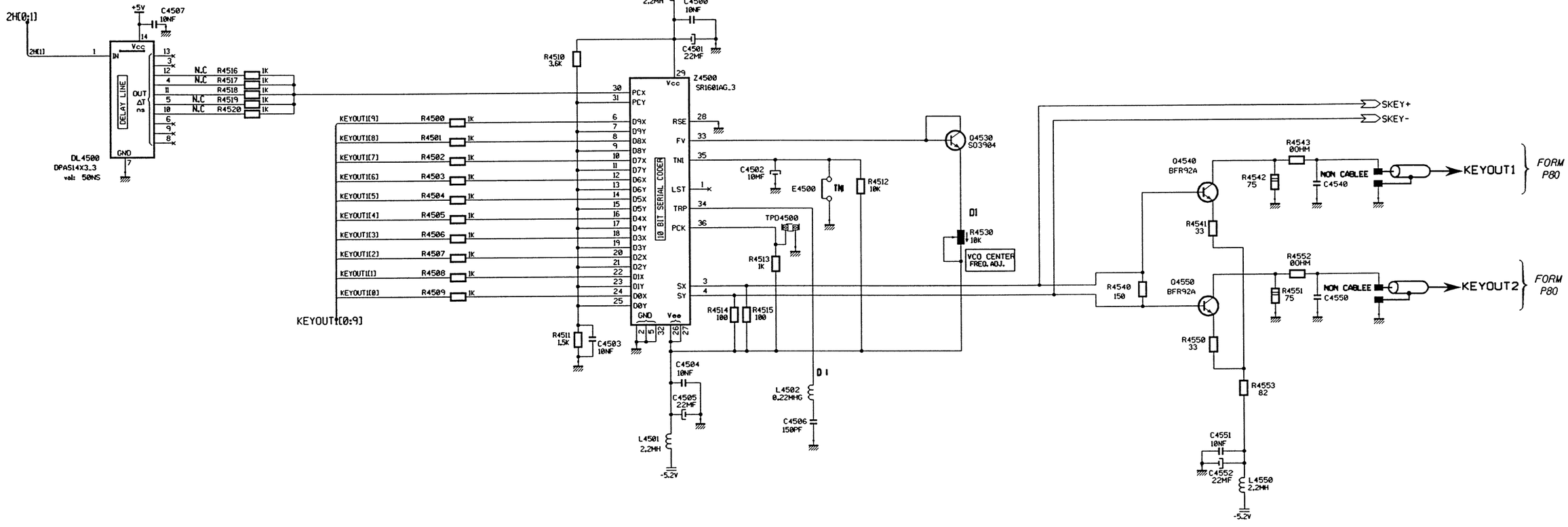


KEY SELECTION

	TTV9200					
	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	30/42	BF3000	

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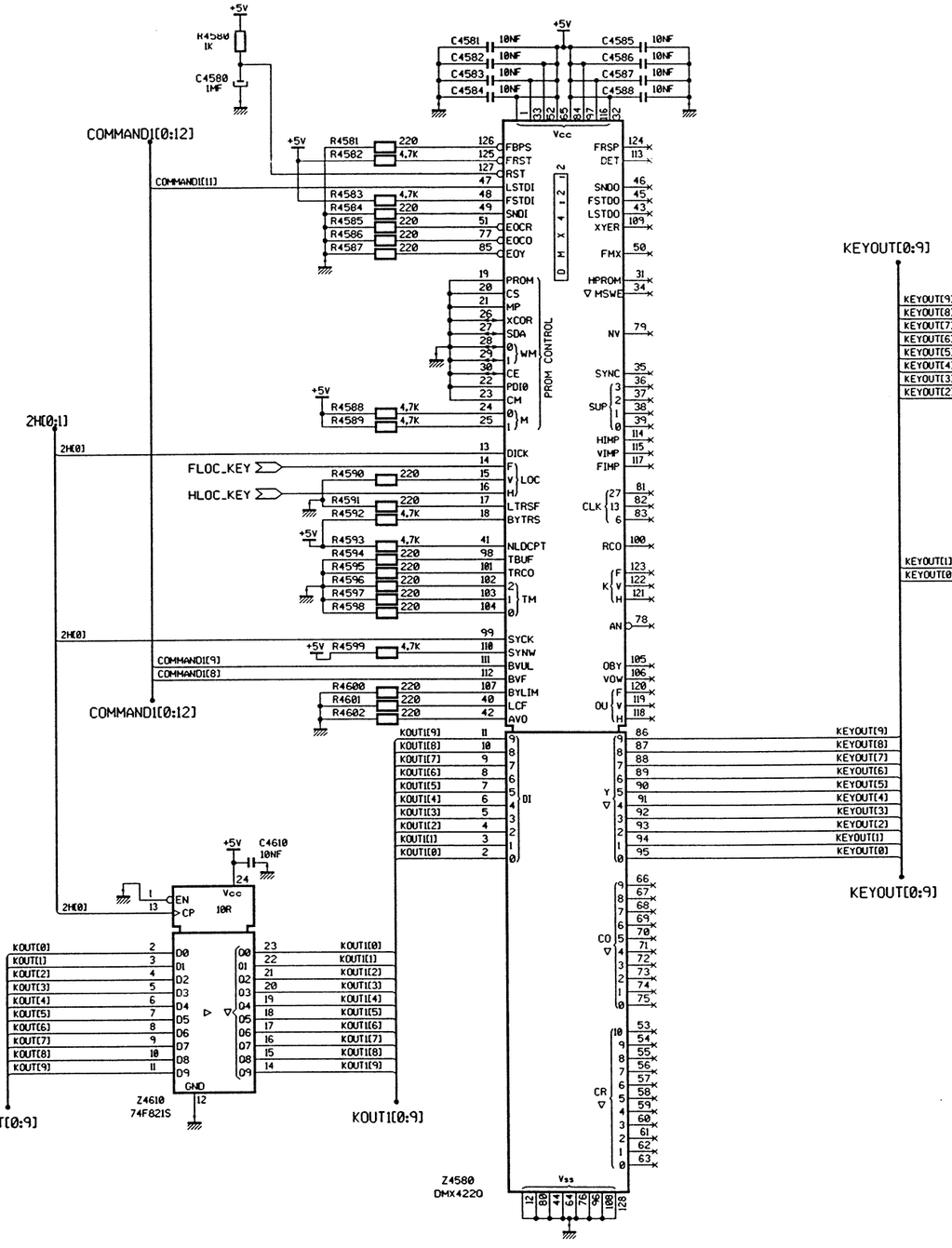


KEY OUT
SERIALIZER

	TTV9200					
	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	31/42	BF4500	

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KEY OUT
SERIALIZER

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	32/42	BF4500	

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ACQUISITION WINDOW GENERATOR

BOX MASK GENERATOR

RESI[0:3]
H[0:1]
POINT[0:9]
COMMAND1[0:12]
CS[0:43]
DATA_KEY[0:11]
LINE[0:8]

Z4800 74ACT163S CTR4 — R4800 4,7K, R4801 4,7K — C4800 10NF — POINT[0:3]
Z4810 74ACT163S CTR4 — R4810 4,7K — C4810 10NF — POINT[4:7]
Z4820 74ACT163S CTR4 — R4820 4,7K — C4820 10NF — POINT[8:9]
Z4830 74F86S — R4832 4,7K
Z4830 74F86S — R4830 220, R4831 4,7K
Z4840 74ACT163S CTR4 — R4840 4,7K — C4840 10NF — LINE[0:3]
Z4850 74ACT163S CTR4 — R4850 4,7K — C4850 10NF — LINE[4:7]
Z4860 74ACT163S CTR4 — R4860 4,7K — C4860 10NF — LINE[8]

Z4870 EPM5128L_2 val: 25NS — C4870 10NF
IN/CLK, IN, LABA, LABB, LABC, LABD, LABE, LABF, LABG, LABH, ONE TIME PROGRAMMABLE LOGIC DEVICE, GND
CS_X21 CS[30], CS_Y20 CS[31], CS_Y21 CS[32], CS_X10 CS[25], CS_X11 CS[26], CS_Y10 CS[27], CS_Y11 CS[28], CS_X20 CS[29]
MASK1, MASK2
TOP_L, TOP_I, SUP_H/2, SUP_H
DATA_KEY[0:11]

Z4880 EPM5128L_2 val: 25NS — C4880 10NF
DA_EN
CS_DAX0 CS[33], CS_DAX1 CS[34], CS_DAY0 CS[35], CS_DAY1 CS[36]
SUP_H, SUP_H/2, TOP_I, TOP_L, MASK_DA

Z4890 74ACT574S — C4890 10NF
OE, CLK, D ▷ ▽Q
K1/FIFO, K2/FIFO, MUL/FIFO, DSK/FIFO, CHR0/K1, CHR0/K2, DA_EN, PAT_IN

FREE — Z4830 74F86S — C4830 10NF

DATA ACQUISITION AND MASK GENERATOR

TTV9200					
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	A	030	33/42	BF4800

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K12[0:9]
K1/FIFO
K12[0]
K12[1]
K12[2]
K12[3]
K12[4]
K12[5]
K12[6]
K12[7]
K12[8]
K12[9]
K2/FIFO
K22[0]
K22[1]
K22[2]
K22[3]
K22[4]
K22[5]
K22[6]
K22[7]
K22[8]
K22[9]
K22[0:9]
Z4900 74F244S
Z4910 74F244S
Z4920 74F244S
VID_ACQ[0:9]
VID_ACQ[0]
VID_ACQ[1]
VID_ACQ[2]
VID_ACQ[3]
VID_ACQ[4]
VID_ACQ[5]
VID_ACQ[6]
VID_ACQ[7]
VID_ACQ[8]
VID_ACQ[9]
2H
Z4970 74F574S
C4970 10NF
MASK_DA
2HF
Z5020 74ACT244S
R5020 4,7K
R5021 220 N.C
C4980 10NF
Z4980 74F574S
RESI[0:3]
DA_EN
RESI[2]
H[1]
H/2
H[0:1]
C5000 10NF
R5000 4,7K
R5001 4,7K
R5002 4,7K
Z5000 val: 28NS FF02KX8CS
C5010 10NF
R5010 4,7K
R5011 4,7K
R5012 4,7K
Z5010 val: 28NS FF02KX8CS
CS[0:43]
CS[38]
CS[37]
RD_FIFO
RES_FIFO
Z5030 74ACT244S
DATAPR[0:15]
DATAPR[0]
DATAPR[1]
DATAPR[15]
DATAPR[14]
DATAPR[2]
DATAPR[3]
DATAPR[4]
DATAPR[5]
DATAPR[6]
DATAPR[7]
DATAPR[8]
DATAPR[9]
MULTI_AT[0:9]
2HR1
2HR2
MUL/FIFO
Z5040 74F574S
Z5050 74F574S
Z4930 74F244S
C5040 10NF
C5050 10NF
C5060 10NF
C5070 10NF
C5080 10NF
C5090 10NF
DSK_AT[0:9]
DSK/FIFO
Z5060 74F574S
Z5070 74F574S
Z4950 74F244S
Z5080 74F574S
Z5090 74F574S
Z4960 74F244S
VID_ACQ[0:9]
C4900 10NF
C4910 10NF
C4920 10NF
C4930 10NF
C4950 10NF
C4960 10NF
C5020 10NF
C5030 10NF

DATA ACQUISITION AND MASK GENERATOR

	TTV9200				
	TITLE: PROCESSING BOARD				
THOMSON	DRAWING NO: 3C967992	REV: A	CODE: 030	SHEET: 34/42	BLOCK: BF4800

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+/- 2.5 NS PHASING WITH 2H ROUTING BOARD CLOCK

CLOCK[0:5]

Z5200 ECL10125L

DL5200 DPAS14X3.3 50NS

DL5250 DPAS14X3.3 50NS

Z5210 74F574S

Z5220 74F574S

Z5230 74F574S

Z5240 74F574S

Z5250 74ABT328H

Z5260 74ABT328H

Z5270 74ABT328H

Z5280 74F574S

Z5290 74F574S

Z5300 74ABT328H

L5200 2.2MH

-5.2V

/H[0:5]

H[0:17]

2H[0:9]

2HR2[0:4]

2HR1[0:4]

CLOCK DISTRIBUTION

	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967992	B	030	35/42	BF5200

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FORM P 80 K_DVE

Z5400 SN16602MD-3

10 BIT SERIAL DECODER

R5401 75
R5400 2.2K
C5400 10NF
C5401 47PF
R5402 75
C5402 47PF
R5431 10K
-5.2V
R5403 10K
C5403 10MF
E5400 TNI
N.C R5429 100K
NON CABLEE R5405
NON CABLEE R5404
R5406 1K
R5407 1K
R5408 1K
C5406 10NF
R5409 1K
R5410 1K
R5411 1K
R5412 1K
R5413 1K
R5414 1K
R5415 1K
R5416 1K
R5417 1K
PCK
TP05400
R5418 220
R5419 220
R5420 220
R5421 220
R5422 220
R5423 220
R5424 220
R5425 220
R5426 220
R5427 220
R5428 220
//D0
//D1
//D2
//D3
//D4
//D5
//D6
//D7
//D8
//D9
VBB
CK
//D9
//D8
+5V C5440 10NF
Z5440 ECL10125L
2HINC
K_DVEI[9]
K_DVEI[8]
//D7
//D6
//D5
//D4
+5V C5450 10NF
Z5450 ECL10125L
K_DVEI[7]
K_DVEI[6]
K_DVEI[5]
K_DVEI[4]
+5V C5460 10NF
Z5460 ECL10125L
//D3
//D2
//D1
//D0
K_DVEI[3]
K_DVEI[2]
K_DVEI[1]
K_DVEI[0]
//DATA
K_DVEI[0:9]
C5461 10NF
L5460 2.2MH
-5.2V
R5690 100
Z5690 74HC74S
C5690 0.1MF
C5691 0.1MF
CR5690 BAY99
R5691 1M
C5692 1NF
R5692 4.7K
R5502 4.7K
Z5500 74F86S
BVF
O5430 SO3904
R5430 10K VCO CENTER FREQ. ADJ.
L5400 2.2MH
C5404 10NF
C5405 10MF
-5VA
GND
Vcc
NC

FREE
Z5690 74HC74S

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

Z5690 74HC74S C5693 10NF

DESERIALIZER KEY DVE AND PHASING

	TTV9200					
	TITLE: PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	36/42	BF5400	

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DESERIALIZER KEY DVE AND PHASING

THOMSON	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO: 3C967992	REV: A	CODE: 030	SHEET: 37/42	BLOCK: BF5400

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RESET

BT5700 100008 — POWER MOD.

Z5700 MAX695S — MICROPROCESSOR SUPERVISORY CIRCUITS — VBAT, Vcc, BATTON, VO, CEO, LLINE, RE, CEI, IN, SEL, OSC, WDI, PFI, GND, WDO, PFO

Q5710 BCX17

Z5800 74HC32S — /CS_RAM, /RAM_EN

R5701 0OHM NC — R5703 4,7K — R5704 4,7K — R5705 0OHM — R5706 NON CABLEE — R5707 150K — E5701 — C5700 10NF — C5702 2.2MF

WDOG — S5700 — RESET — F/F — C5701 0.1MF

Z5720 74HCT125S — /RST — /HALT — R5731 0OHM — R5720 220 — CRL5720 LXA670J 0R — HALT

F/F — RESET — CRL5730 LXA670J 0R — R5730 220 — R5732 4,7K — R5733 4,7K — CK[0:1] — CK[1] — CK[0]

R5734 4,7K — R5735 4,7K — R5736 4,7K — R5737 4,7K — /ACFAIL — TIMER2 — TIMER0

R5764 680K — Y5730 15,36MHZ — C5734 27PF — C5735 27PF

C5730 10NF — C5731 10NF — C5732 10NF — C5733 10NF

IMP

Z5730 68302G_3 NC

XTAL, EXTAL — CLK

RESET, HALT, BERR, BUSW, DISCPU, FRZ — SYSTEM C.

IPL0/IRQ1, IPL1/IRQ6, IPL2/IRQ7, FC, AVEC/IOUT0 — INTERRUPT C.

CLOCK0, AS, R/W, UDS/A0, LDS/DS, DTACK, BMC/IOUT1, IAC, BCLR — BUS CONTROL

BR, BG, BGACK — BUS A.

CS0/IOUT2, CS — CHIP S.

R5740 R5741 R5742 R5743 R5744 R5745 1K — CLOCK — /AS — R/W — /UDS — /LDS — /DTACK

R5746 10K — J5730 — R/W — CLOCK

R5747 10K — /CS_PROM — /CS_TIMER — /CS_RAM

RXD1, TXD1, RTS1 — RXD1/RIRXD, TXD1/LITXD, RCLK1/LICLK, TCLK1/LISY0, CD1/LISY1, CTS1/LIGR, RTS1/LIRQ/GCIDCL, BRG1 — MMSII/ISDN — I/F

RXD2, TXD2, RTS2 — RXD2/PA0, TXD2/PA1, RCLK2/PA2, TCLK2/PA3, CTS2/PA4, RTS2/PA5, CD2/PA6, SDS2/PA7 — MMSI2/PIO

RXD3, TXD3, RTS3 — RXD3/PA8, TXD3/PA9, RCLK3/PA10, TCLK3/PA11, CTS3/SPRXD, RTS3/SPTXD, CD3/SPCLK, PA12 — MMSI3/SCP/PIO

DREQ0/PA13, DACK/PA14, DONE/PA15 — IDMA

IACK7/PB8, IACK6/PB1, IACK1/PB2 — IACK

TIN/PB3, TOUT1/PB4, TIN2/PB5, TOUT2/PB6, WDOG/PB7 — TIMER

PB8, PB9, PB10, PB11 — PBIO

INTEGRATED MULTI-PROTOCOL PROCESSOR

ADRESS BUS — ADR[23], ADR[22], ADR[21], ADR[20], ADR[19], ADR[18], ADR[17], ADR[16], ADR[15], ADR[14], ADR[13], ADR[12], ADR[11], ADR[10], ADR[9], ADR[8], ADR[7], ADR[6], ADR[5], ADR[4], ADR[3], ADR[2], ADR[1]

DATA BUS — DATA[15], DATA[14], DATA[13], DATA[12], DATA[11], DATA[10], DATA[9], DATA[8], DATA[7], DATA[6], DATA[5], DATA[4], DATA[3], DATA[2], DATA[1], DATA[0] — DATA[0:15]

R5748 R5749 R5750 R5751 R5752 R5753 R5754 R5755 R5756 R5757 R5758 R5759 R5760 R5761 R5762 R5763 100K

PROM BANK

ADR[1:23] — ADR[20] — R5810 0OHM NC — R5811 0OHM — C5810 10NF

/CS_PROM

Z5810 E512KX8D_3 val: 100NS — Vpp, Vcc, OE, CE, EPROM 512KX8, DO, GND

ADR[19] — R5812 0OHM NC — R5813 0OHM

ADR[20] — R5820 0OHM NC — R5821 0OHM — C5820 10NF

Z5820 E512KX8D_3 val: 100NS

ADR[19] — R5822 0OHM NC — R5823 0OHM

ADR[1:23]

RAM BANK

ADR[1:23] — ADR[18] — R5830 0OHM NC — C5830 10NF — +VBATT

LORAM — R5831 0OHM — /RD — LOWORD — CS, OE, WE, I/O, SRAM 128KX8

Z5830 S128KX8F 70NS

ADR[18] — R5840 0OHM NC — C5840 10NF

LORAM — R5841 0OHM — /RD — HIWORD

Z5840 S128KX8F 70NS

ADR[1:23]

DATA[0:15]

HIRAM — /RD — LOWORD — CS, OE, WE, I/O, SRAM 128KX8, A, GND

C5850 10NF

Z5850 S128KX8CF 70NS

HIRAM — /RD — HIWORD

C5860 10NF

Z5860 S128KX8CF 70NS

DATA[0:15]

FREE

Z5800 74HC32S

Z5800 74HC32S

TIMER

ADR[1:23] — C5780 10NF — Vcc

/RD — LOWORD — ADR[1] — ADR[2] — /CS_TIMER — RD, WR, CS

DATA[0:15] — CMOS PROGRAMMABLE INTERVAL TIMER — CLK0, CLK1, CLK2, GATE0, GATE1, GATE2, OUT0, OUT1, OUT2

Z5780 82C54CL 8MHZ — GND — CK_TIMER

Z5790 74F04S — TIMER0 — TIMER1 — TIMER2

WDOG — COMMAND[7] — COMMAND[5] — COMMAND[0:12]

IN PROGRESS

CRL5770 LXA670J 0R — F/F — R5770 220 — Z5770 74HCT123S — CX, RX/CX, R — C5770 4,7MF — R5771 22K — R5772 4,7K — IN_PROGRESS

INIT

S5730 — F/F — R5738 4,7K — INIT

MASTER CPU

Z5720 74HCT125S — C5720 10NF

Z5790 74F04S — C5790 10NF

Z5770 74HCT123S — C5771 10NF

Z5800 74HC32S — +VBATT — C5800 10NF

MICROPROCESSOR

THOMSON	TTV9200				
	TITLE: PROCESSING BOARD				
	DRAWING NO: 3C967992	REV: A	CODE: 030	SHEET: 38/42	BLOCK: BF5700

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ADR[1:23]

C5930 10NF, C5931 10NF, C5932 10NF, C5933 10NF — +5V

Z5930 EP7032L 15NS

CLOCK2 → GCLK

ADR[23] ADR[22] ADR[21] ADR[20] ADR[9] ADR[8] ADR[7] ADR[6] ADR[5] ADR[4] ADR[3] ADR[2]

R/W /AS /UDS /LDS ADR[5]

LOWORD HIWORD LORAM HIRAM /RD /CS_OPT

CS_ROUT CTRLBUS[0]
CS_CK CTRLBUS[1]
CS_FR CTRLBUS[2]
CS_BORD CTRLBUS[3]

/DTACKA CS_PRO

ADR[1:23]

CTRLBUS[0:9]

C5940 10NF, C5941 10NF, C5942 10NF, C5943 10NF — +5V

Z5940 EP7032L 15NS

CLOCK2 → GCLK

ADR[1] ADR[2] ADR[3] ADR[4] ADR[5] ADR[6] ADR[7] ADR[8] ADR[12]

R/W /AS /UDS /LDS

CS[0] CS[1] CS[2] CS[3] CS[4] CS[5] CS[6] CS[7] CS[8] CS[9] CS[10] CS[11] CS[12] CS[13] CS[14] CS[15] CS[16]

/DTACKB CS_PRO

ADR[1:23]

C5990 10NF, C5991 10NF, C5992 10NF, C5993 10NF — +5V

Z5990 EP7032L 15NS

CLOCK2 → GCLK

ADR[1] ADR[2] ADR[3] ADR[4] ADR[5] ADR[6] ADR[7] ADR[8] ADR[12]

R/W /AS /UDS /LDS

CS[17] CS[18] CS[19] CS[20] CS[21] CS[22] CS[23] CS[24] CS[25] CS[26] CS[27] CS[28] CS[29] CS[30] CS[31] CS[32] CS[33]

/DTACKC CS_PRO

CS[0:43]

CS[0:43]

C6000 10NF, C6001 10NF, C6002 10NF, C6003 10NF — +5V

Z6000 EP7032L 15NS

CLOCK2 → GCLK

ADR[1] ADR[2] ADR[3] ADR[4] ADR[5] ADR[6] ADR[7] ADR[8] ADR[12]

R/W /AS /UDS /LDS

CS[34] CS[35] CS[36] CS[37] CS[38] CS[39] CS[40] CS[41] CS[42] CS[43]

CS_GPIIN CS_GPIOUT CS_TALLYIN CS_TALLYOUT

/DTACKA CS_PRO

ADR[1:23]

Z5920 74HCT125S

/DTACKA → /DTACK
/DTACKB → /DTACK
/DTACKC → /DTACK

Z5900 74F244S

R/W /AS /UDS /LDS → R/W /AS /UDS /LDS

/DTACK → /DTACK

CLOCK → CLOCK2 CKMP

CTRLBUS[0:9]

C5910 10NF — +5V

Z5910 74HC4040S

ASYNCHRONOUS 12 BIT BINARY COUNTERS

CLR ← /DTACK
CLK ← CLOCK

Q → R5910 0OHM → CK_TIMER

DATAMP[0:15]

C5950 10NF — +5V

Z5950 74F245S

CS_OPT → 3EN1
R/W → 3EN2

DATAMP[0] DATAMP[1] DATAMP[2] DATAMP[3] DATAMP[4] DATAMP[5] DATAMP[6] DATAMP[7] → DATA[0] DATA[1] DATA[2] DATA[3] DATA[4] DATA[5] DATA[6] DATA[7]

C5970 10NF — +5V

Z5970 74F245S

DATAMP[8] DATAMP[9] DATAMP[10] DATAMP[11] DATAMP[12] DATAMP[13] DATAMP[14] DATAMP[15] → DATA[8] DATA[9] DATA[10] DATA[11] DATA[12] DATA[13] DATA[14] DATA[15]

DATAMP[0:15]

DATA[0:15]

DATAPR[0:15]

C5960 10NF — +5V

Z5960 74F245S

CS_PRO → 3EN1
R/W → 3EN2

DATAPR[0] DATAPR[1] DATAPR[2] DATAPR[3] DATAPR[4] DATAPR[5] DATAPR[6] DATAPR[7] → DATA[0] DATA[1] DATA[2] DATA[3] DATA[4] DATA[5] DATA[6] DATA[7]

C5980 10NF — +5V

Z5980 74F245S

DATAPR[8] DATAPR[9] DATAPR[10] DATAPR[11] DATAPR[12] DATAPR[13] DATAPR[14] DATAPR[15] → DATA[8] DATA[9] DATA[10] DATA[11] DATA[12] DATA[13] DATA[14] DATA[15]

DATAPR[0:15]

DATA[0:15]

ADR[1:23]

Z5870 74F244S

ADR[1] ADR[2] ADR[3] ADR[4] → AD[8] AD[9] AD[10] AD[11]

Z5880 74F244S

ADR[9] ADR[10] ADR[11] → AD[0] AD[1] AD[2] AD[3]

Z5890 74F244S

ADR[5] ADR[6] ADR[7] ADR[8] → AD[4] AD[5] AD[6] AD[7]

Z5900 74F244S

ADR[1] ADR[2] ADR[3] ADR[4] → ADR[8] ADR[7] ADR[6] ADR[5]

Z5920 74HCT125S

ADR[1:23]

AD[0:11]

MICROPROCESSOR

DECODING ADDRESS

C5870 10NF — +5V — Z5870 74F244S

C5880 10NF — +5V — Z5880 74F244S

C5890 10NF — +5V — Z5890 74F244S

C5900 10NF — +5V — Z5900 74F244S

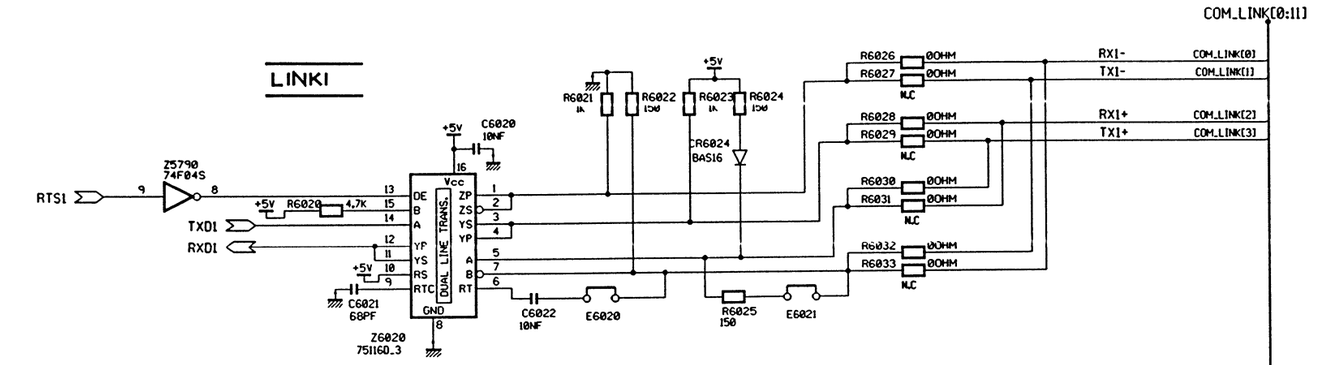
C5920 10NF — +5V — Z5920 74HCT125S

	TTV9200					
	TITLE PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	39/42	BF5700	

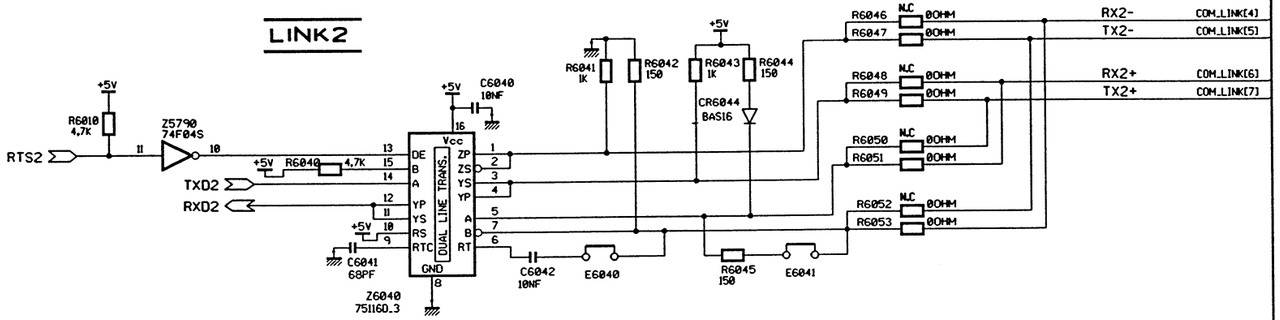
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dite societe

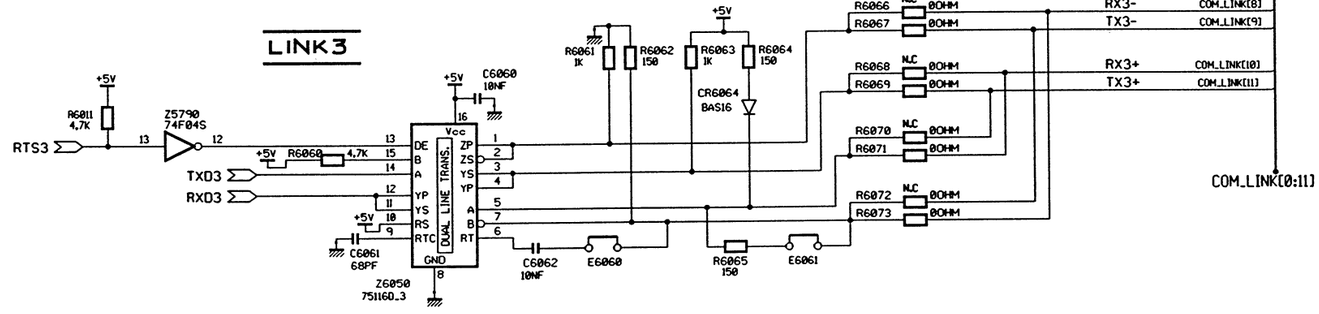
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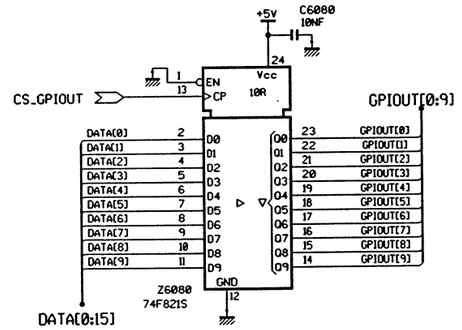
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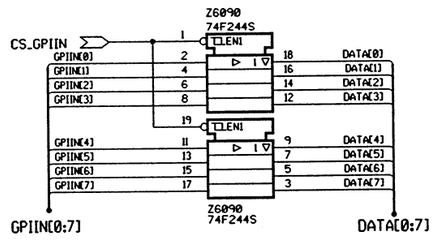


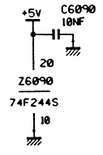
LINK3



GPI OUT







INTERFACE GPI AND LINK

MICROPROCESSOR

	TTV9200					
	TITLE: PROCESSING BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967992	A	030	40/42	BF5700	

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TALLY

TALLYIN[0:3]

TALLYIN[0:3]

CS_TALLYIN

CS_TALLYOUT

DATA[0:15]

TALLYOUT[0:13]

TALLYOUT[0:13]

FREE

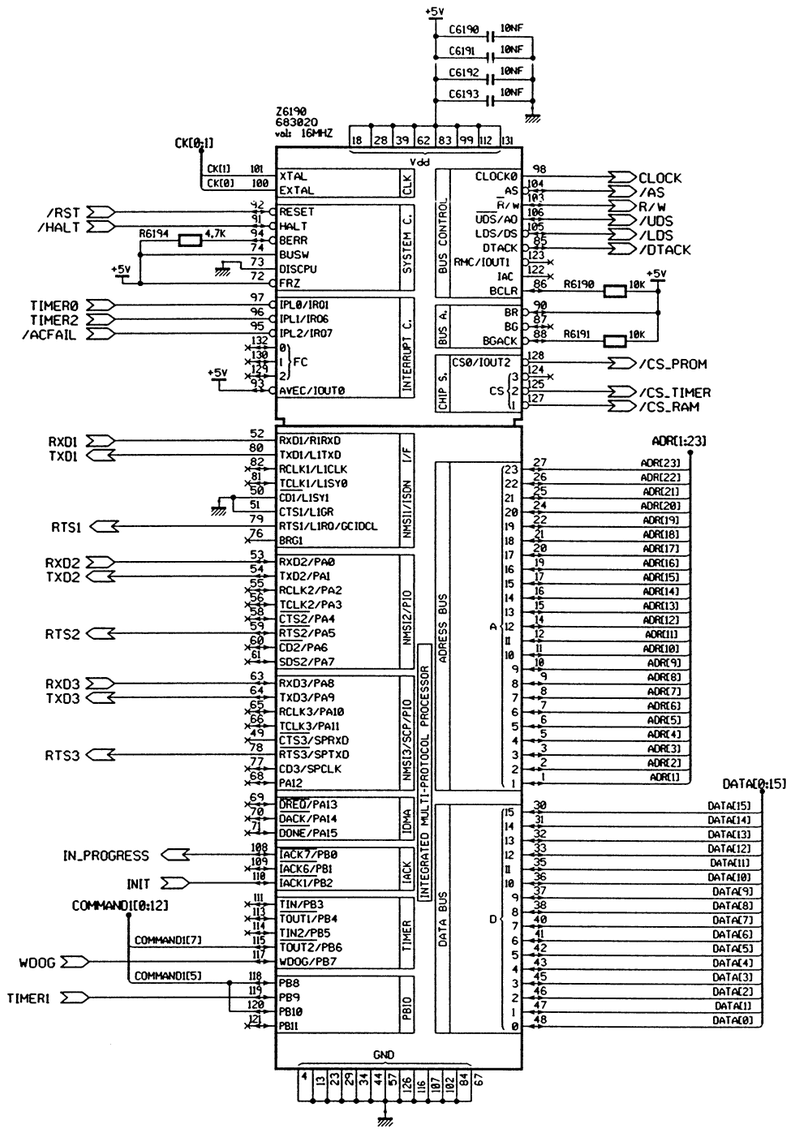
VIDEO 0
VIDEO 1
VIDEO 2
VIDEO 3
VIDEO 4
VIDEO 5
VIDEO 6
VIDEO 7
VIDEO 8
VIDEO 9
VIDEO 10
VIDEO 11
VIDEO DVE
KEY DVE

COM

MICROPROCESSOR

	TTV9200					
	TITLE PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	41/42	BF5700	

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MICROPROCESSOR

	TTV9200					
	TITLE PROCESSING BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967992	A	030	42/42	BF5700	

20

IF

IM

IDENT.MATERIEL

INDICE FONCTION

P2 MYDATA
Ref.N 2 LOG-POINT

10 11 12

NE PAS
CABLER

10

11

13

P1 MYDATA
Ref.N 1 LOG-POINT

01

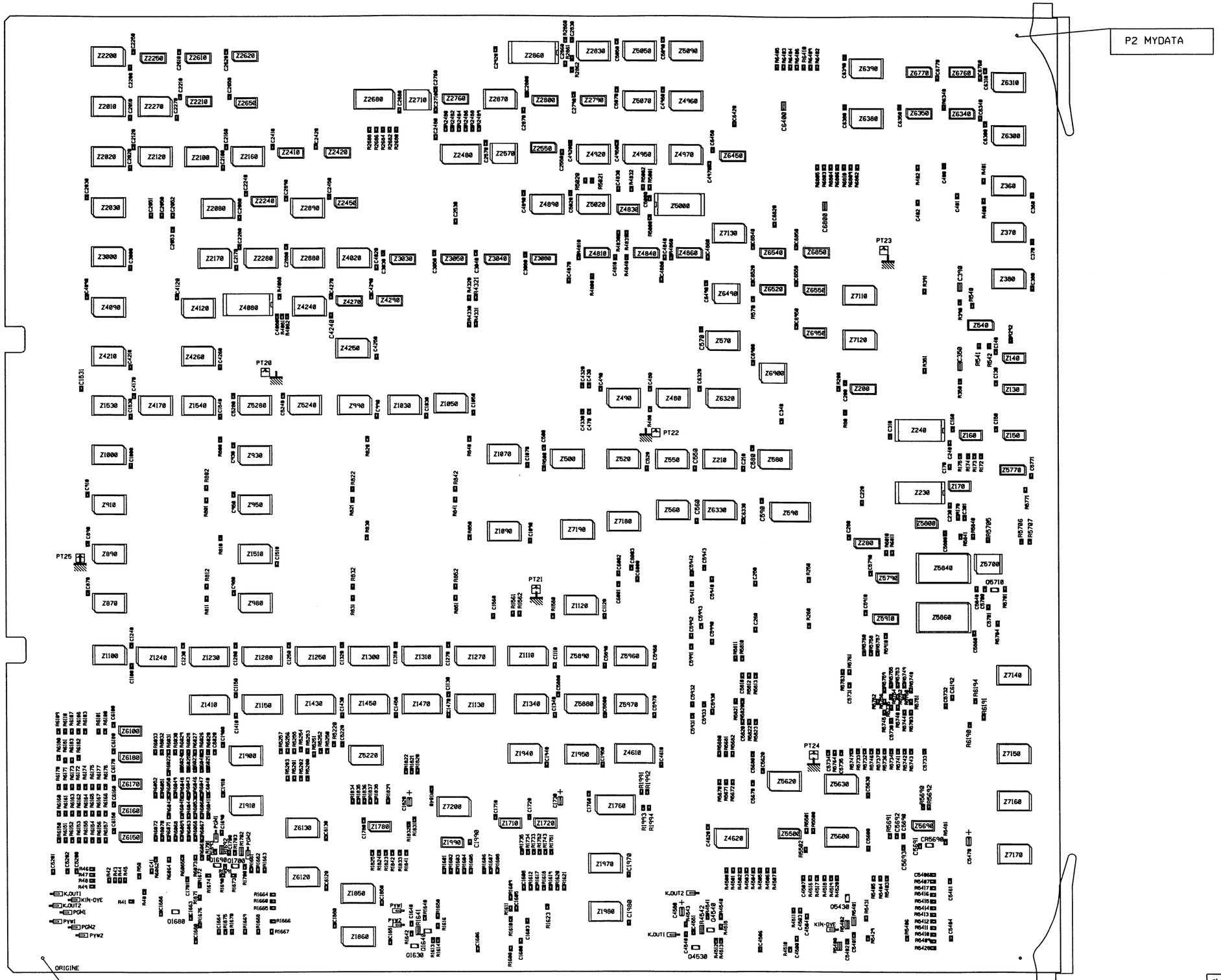
Y

X

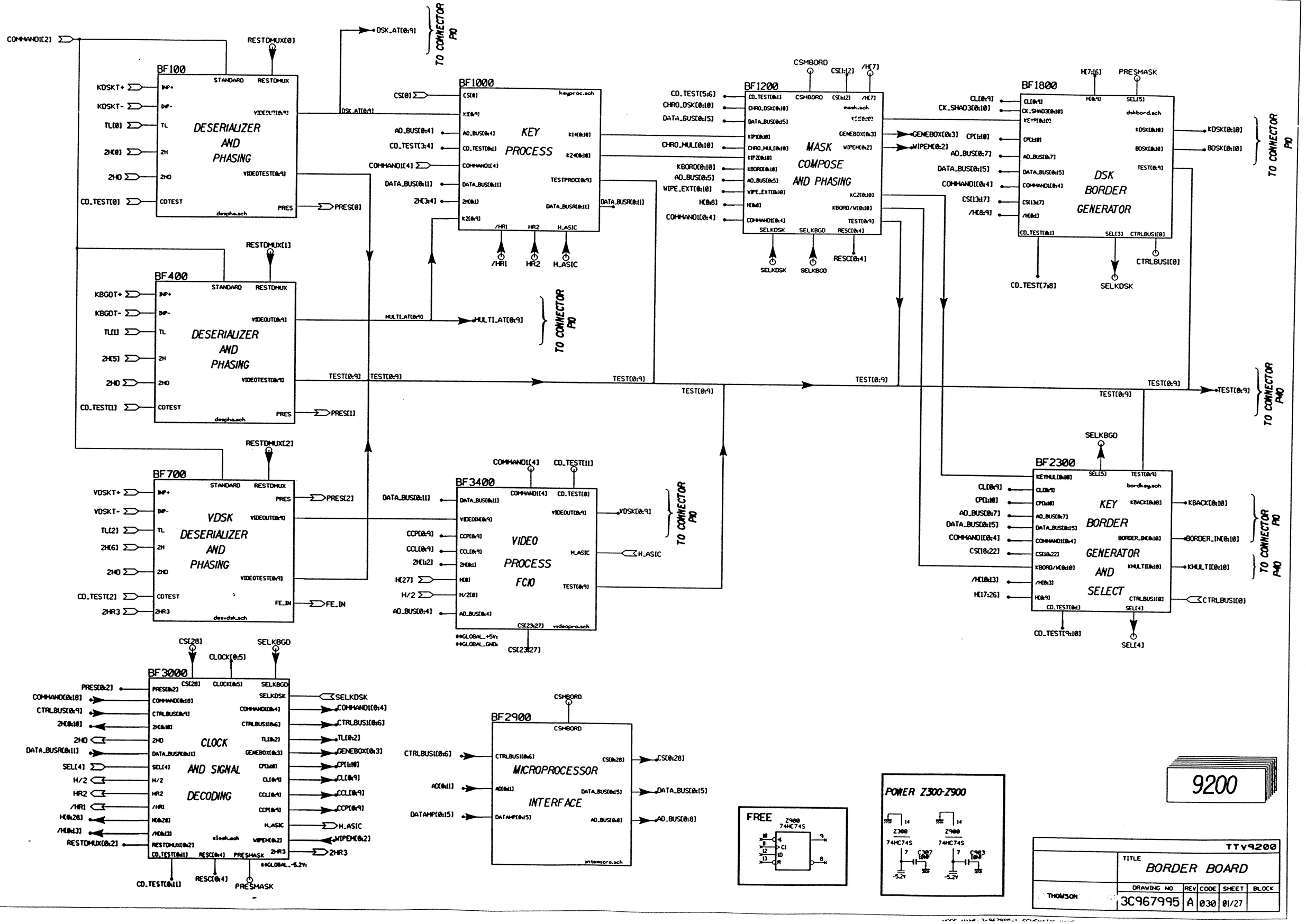
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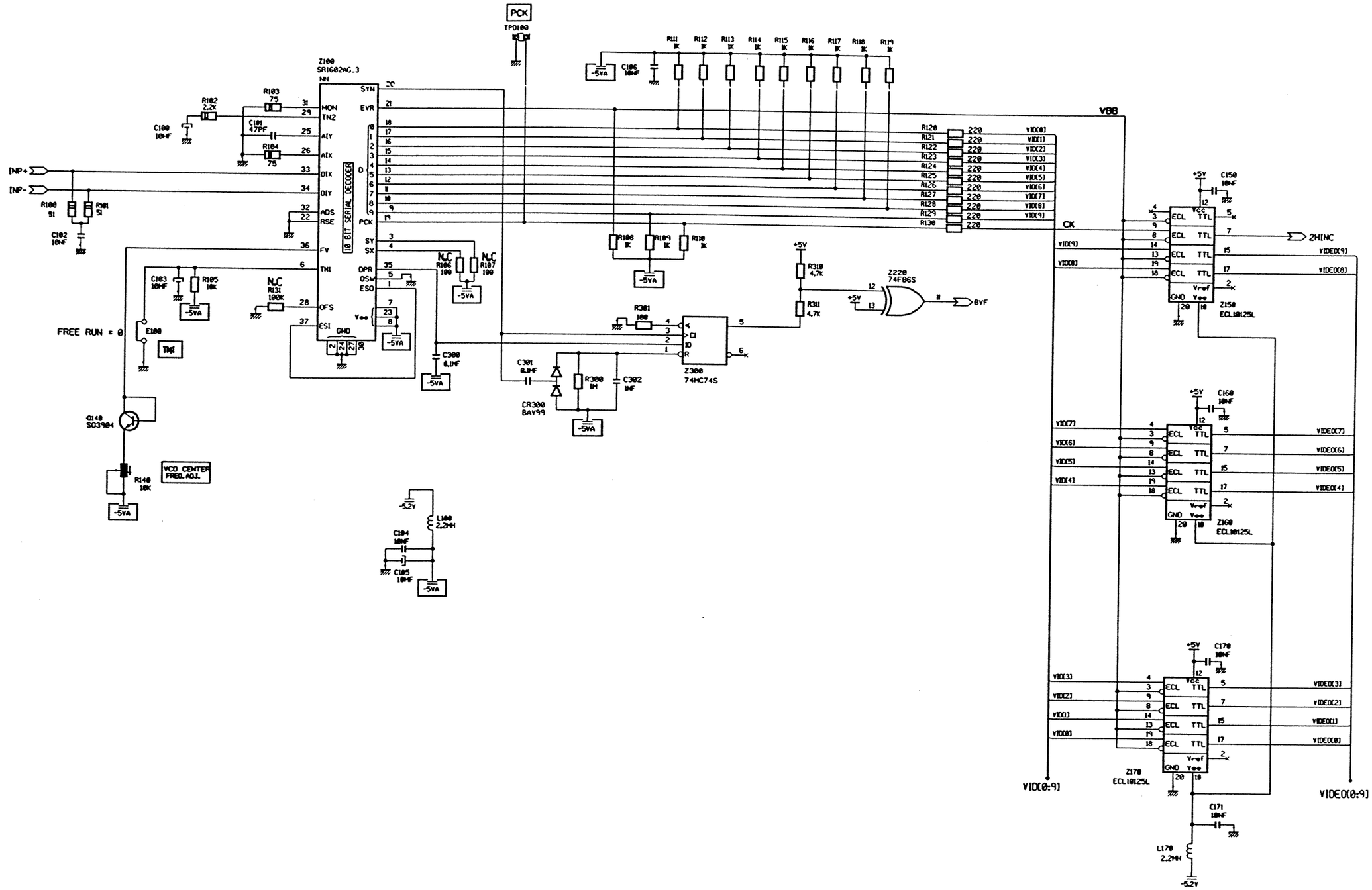
✱ 5 ZONES A EPARGNER
LORS DU PASSAGE A LA VAGUE

IND	DATE		NØ.DOSSIER
01	15/04/96		3C967992
THOMSON		CI: PROCESSING (EL) NØ: 2C534396/009	
NOTA:			



IND	DATE		N0.DOSSIER
01	15/04/96		3C967992
THOMSON		CI: PROCESSING N0: 2C534396/008	(S0)
NOTA:			


COMMANDI[2]
RESTOMUX[0]
BF100
STANDARD
RESTOMUX
KDSKT+
KDSKT-
TL[0]
2H[0]
2HO
CD_TEST[0]
INP+
INP-
TL
2H
2HO
COTEST
VIDEOUT[0:9]
VIDEOTEST[0:9]
PRES
desphe.sch
DESERIALIZER AND PHASING
OSK_AT[0:9]
TO CONNECTOR P10
PRES[0]
BF1000
CS[0]
keyproc.sch
AD_BUS[0:4]
CD_TEST[3:4]
COMMANDI[4]
DATA_BUS[0:11]
2H[3:4]
K1[0:9]
K2[0:9]
TESTPROC[0:9]
DATA_BUSR[0:11]
/HR1
HR2
H_ASIC
KEY PROCESS
DATA_BUSR[0:11]
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KBGDT-
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2H[5]
2HO
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TO CONNECTOR P10
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TEST[0:9]
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VDSKT-
TL[2]
2H[6]
2HO
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2HR3
PRES[2]
FE_IN
desvdsk.sch
VDSK DESERIALIZER AND PHASING
BF3400
COMMANDI[4]
CD_TEST[1]
DATA_BUS[0:11]
CCP[0:9]
CCL[0:9]
2H[1:2]
H[27]
H/2
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TEST[0:9]
CS[23:27]
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VDSK[0:9]
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BF3000
CS[28]
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2HO
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SEL[4]
H/2
HR2
/HR1
H[0:28]
/H[0:3]
RESTOMUX[0:2]
SELKDSK
COMMANDI[0:4]
CTRLBUS[0:6]
TL[0:2]
GENEBOX[0:3]
CP[1:10]
CL[0:9]
CCL[0:9]
CCP[0:9]
H_ASIC
WIPE[0:2]
2HR3
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RESC[0:4]
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@@GLOBAL_-5.2V:
CLOCK AND SIGNAL DECODING
CD_TEST[0:1]
RESC[0:4]
PRESMASK
BF1200
CSMBORD
CSI[1:2]
/H[7]
CD_TEST[5:6]
CHRO_DSK[0:10]
DATA_BUS[0:15]
CHRO_MUL[0:10]
KBORD[0:10]
AD_BUS[0:5]
WIPE_EXT[0:10]
H[0:8]
COMMANDI[0:4]
CD_TEST[0:1]
CSMBORD
CHRO_DSK[0:10]
DATA_BUS[0:15]
KIP[0:10]
CHRO_MUL[0:10]
KIP2[0:10]
KBORD[0:10]
AD_BUS[0:5]
WIPE_EXT[0:10]
H[0:8]
COMMANDI[0:4]
SELKDSK
SELKBGD
RESC[0:4]
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KC1[0:10]
GENEBOX[0:3]
WIPE[0:2]
KC2[0:10]
KBORD/W[0:10]
TEST[0:9]
MASK COMPOSE AND PHASING
GENEBOX[0:3]
WIPE[0:2]
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SELKBGD
RESC[0:4]
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H[7:16]
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CL[0:9]
CK_SHAO3[0:10]
CP[1:10]
AD_BUS[0:7]
DATA_BUS[0:15]
COMMANDI[0:4]
CS[13:17]
/H[0:9]
CD_TEST[0:1]
H[0:9]
SEL[5]
dskbord.sch
KEYP[0:10]
KOSK[0:10]
BOSK[0:10]
TEST[0:9]
SEL[3]
CTRLBUS[0]
DSK BORDER GENERATOR
KDSK[0:10]
BOSK[0:10]
TO CONNECTOR P10
CD_TEST[7:8]
SELKDSK
CTRLBUSI[0]
TEST[0:9]
TEST[0:9]
TO CONNECTOR P40
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DATA_BUS[0:15]
COMMANDI[0:4]
CS[18:22]
/H[0:13]
H[17:26]
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TEST[0:9]
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KBACK[0:10]
BORDER_IN[0:10]
KMULTI[0:10]
CTRLBUSI[0]
SEL[4]
KEY BORDER GENERATOR AND SELECT
KBACK[0:10]
BORDER_IN[0:10]
TO CONNECTOR P40
KMULTI[0:10]
CTRLBUSI[0]
CD_TEST[9:10]
SEL[4]
BF2900
CSMBORD
CTRLBUS[0:6]
AD[0:11]
DATAMP[0:15]
CS[0:28]
DATA_BUSE[0:15]
AD_BUS[0:8]
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MICROPROCESSOR INTERFACE
CS[0:28]
DATA_BUSE[0:15]
AD_BUS[0:8]
FREE
Z900
74HC74S
POWER Z300-Z900
Z300
74HC74S
Z900
74HC74S
C307
C903
-5.2V
9200
TTV9200
TITLE
BORDER BOARD
THOMSON
DRAWING NO
3C967995
REV
A
CODE
030
SHEET
01/27
BLOCK



DESERIALIZER AND PHASING

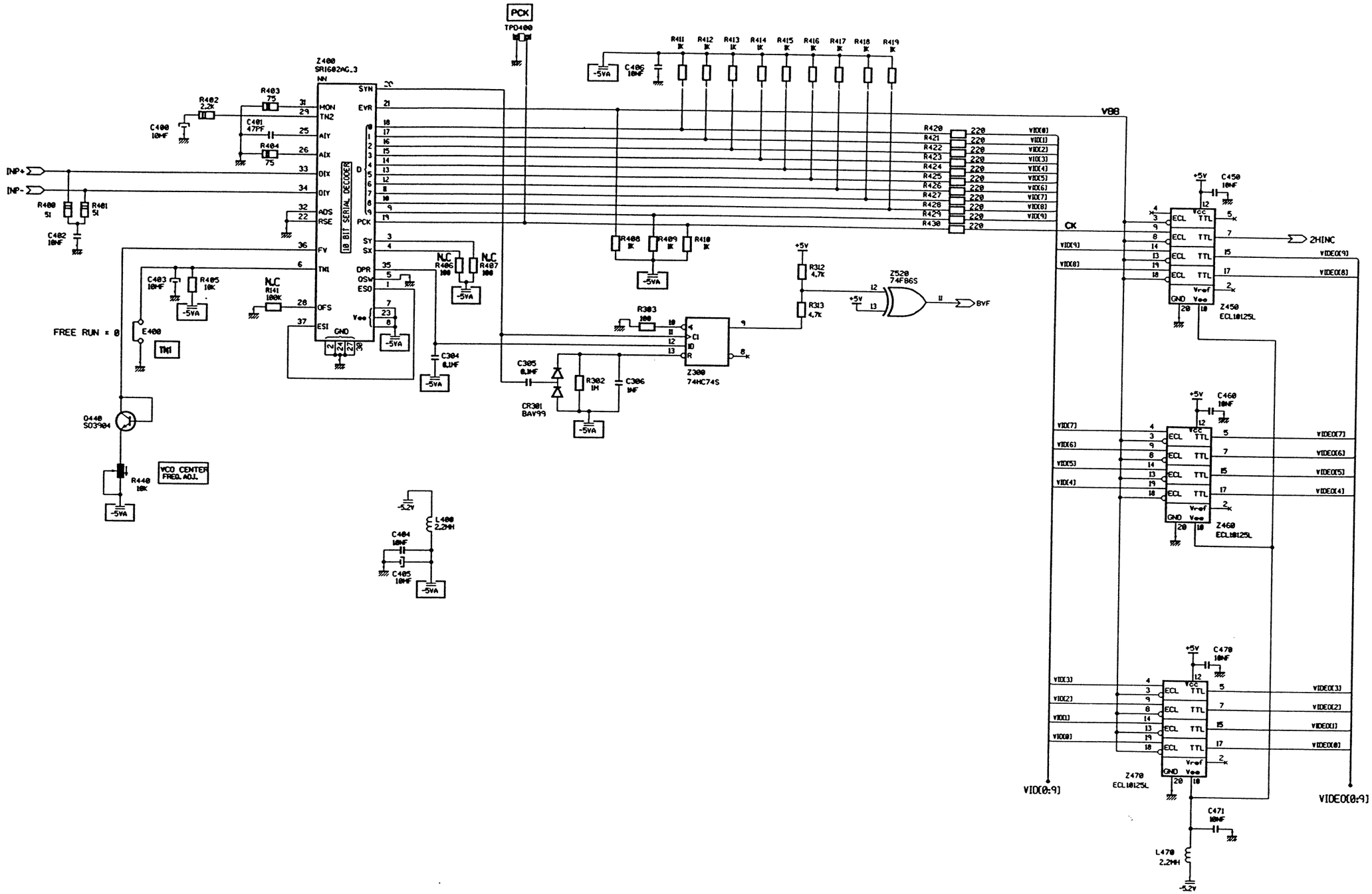
RESISTOR RC3715 1 %
RESISTOR RCC0005 5 %

TTV9200					
	TITLE: BORDER BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967995	A	030	03/27	BF100

DESERIALIZER AND PHASING

THOMSON	TTV9200					
	TITLE: BORDER BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	04/27	BF100	

MODE NAME: 3-967995-2 SCHEMATIC NAME

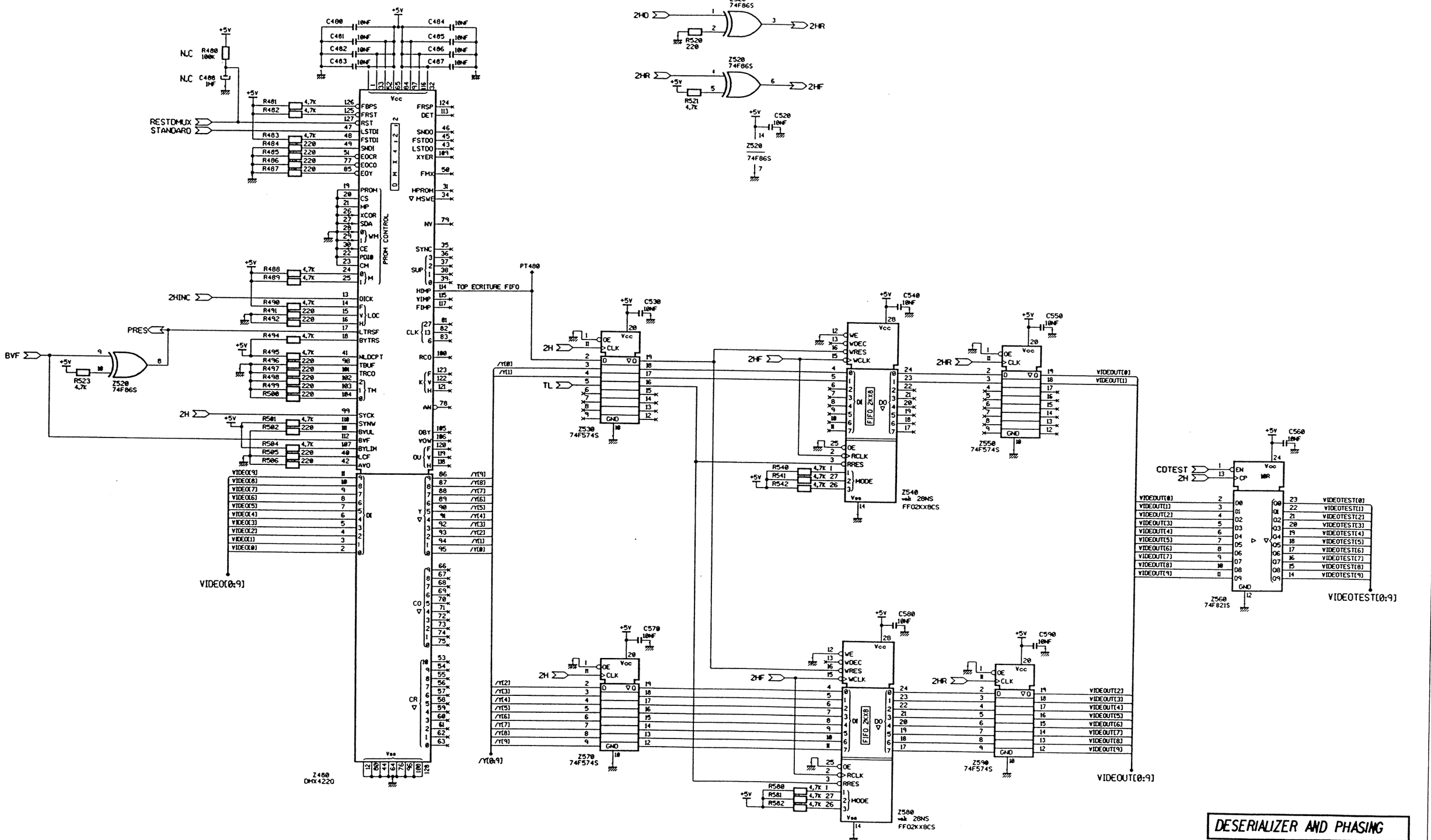


DESERIALIZER AND PHASING

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

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	3C967995	A	030	05/27	BF400	

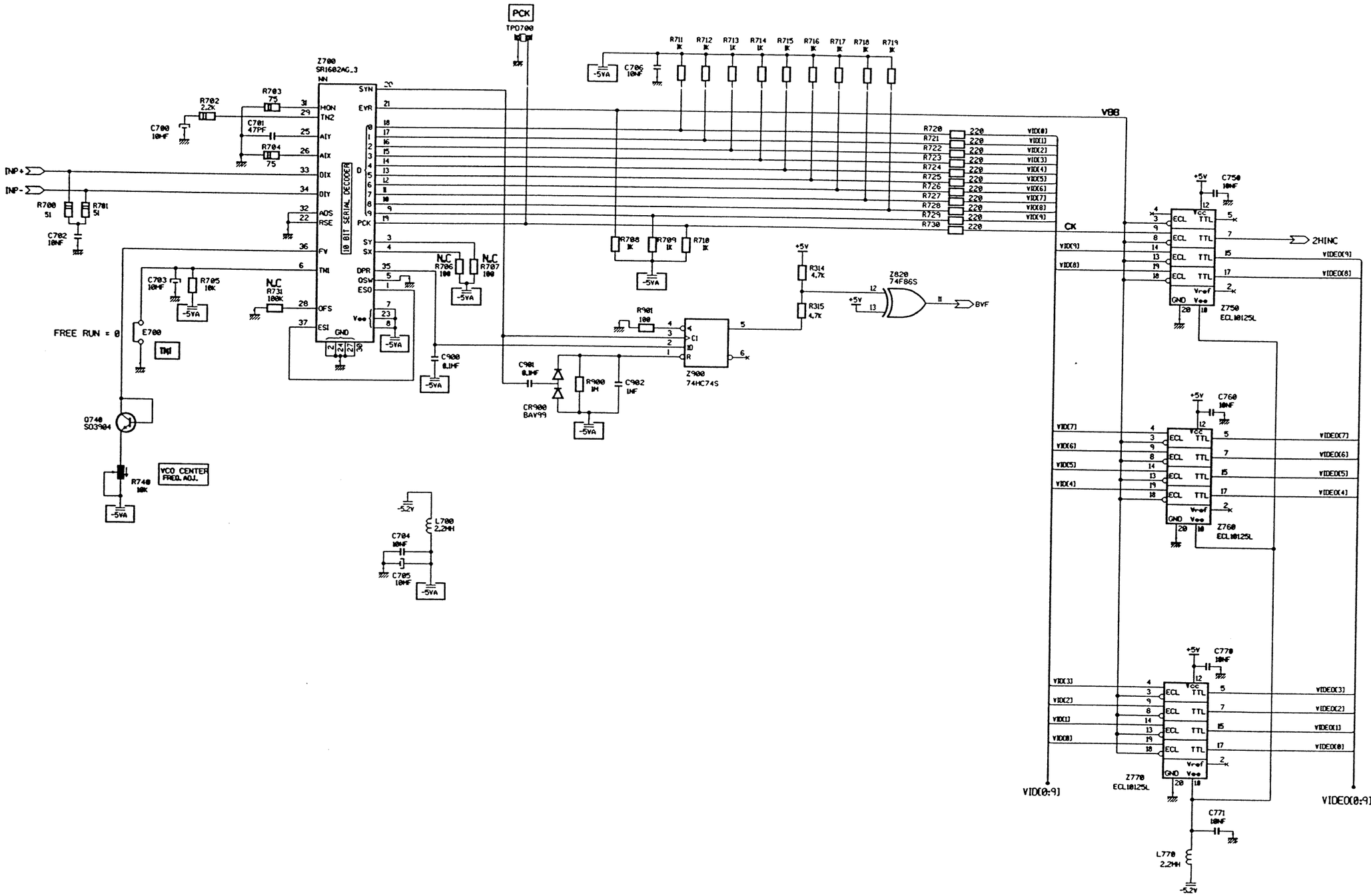
of an authorised person of THOMSON BROADCAST.



DESERIALIZER AND PHASING

	TTV9200					
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THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	06/27	BF400	

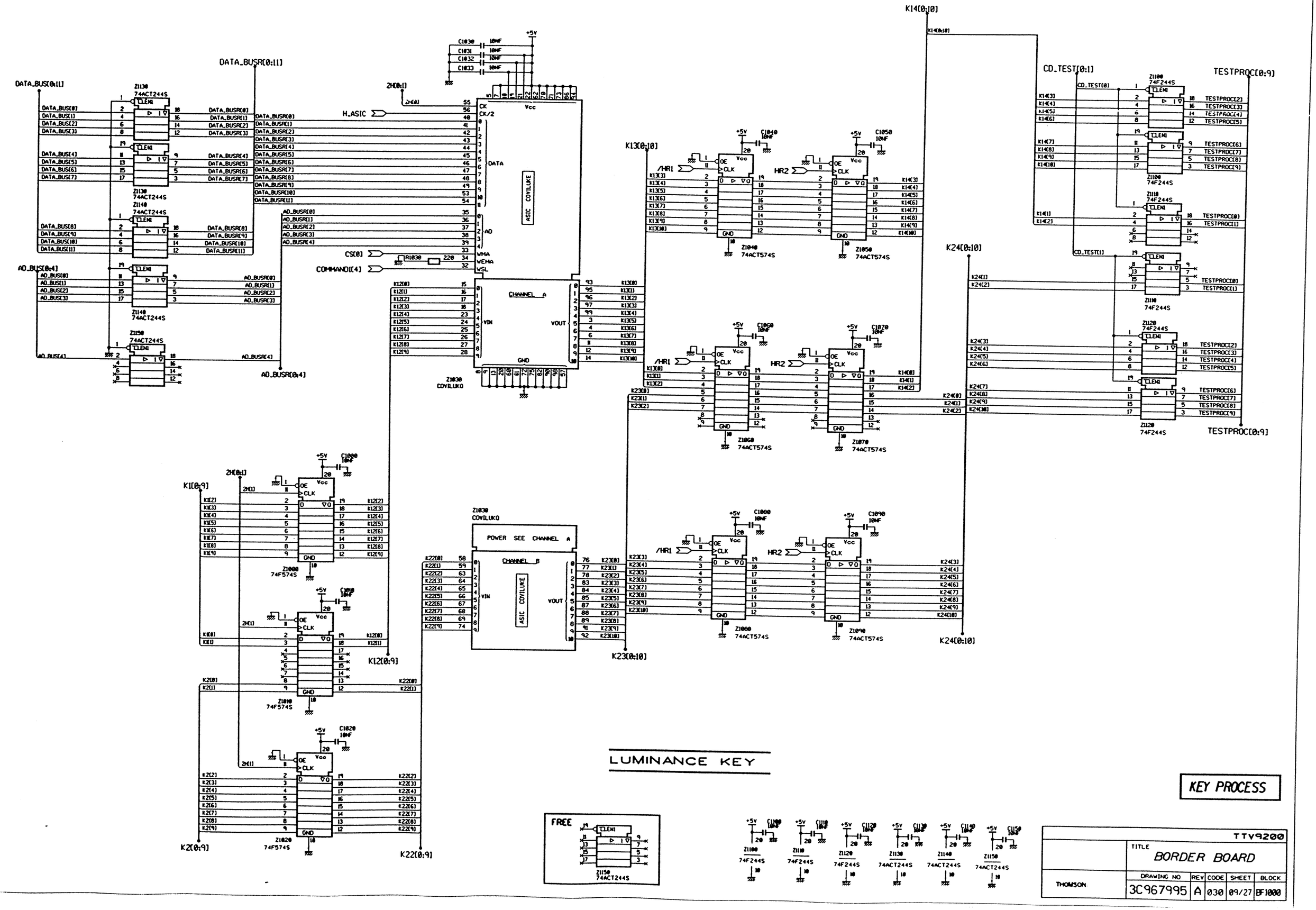
of an authorized person of THOMSON BROADCAST.



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VDSK
DESERIALIZER AND PHASING

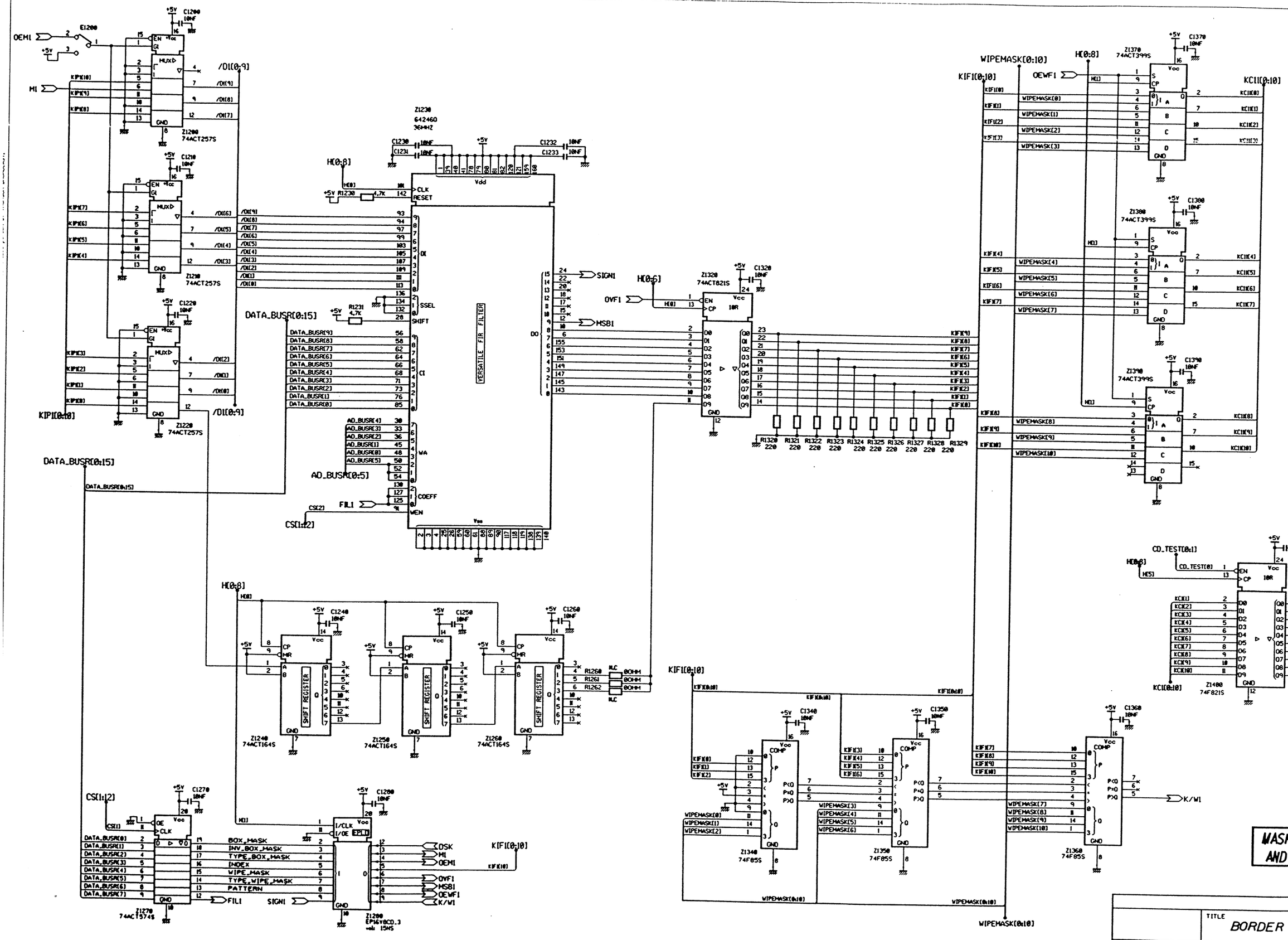
THOMSON	TTV9200					
	TITLE: BORDER BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	08/27	BF700	



LUMINANCE KEY

KEY PROCESS

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	09/27	BF1000	



	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	10/27	BF1200	

of an authorized person of THOMSON BROADCAST.

OEM2
M2
KIP2[0:10]
Z1410 74ACT257S
Z1420 74ACT257S
Z1430 74ACT257S
+5V C1410 10NF
+5V C1420 10NF
+5V C1430 10NF
/D2[0:9]
DATA_BUSR[0:15]
Z1440 642460 36MHZ
+5V C1440 10NF
+5V C1441 10NF
+5V C1442 10NF
+5V C1443 10NF
Vdd
H[0:8]
H(2)
+5V R1440 4,7K
CLK
RESET
SSEL
SHIFT
R1441 4,7K
VERSATILE FIR FILTER
DI
CI
WA
COEFF
WEN
Vss
AD_BUSR[0:5]
CS[4] FIL2
CS[1:12]
OVF2
SIGN2
MSB2
DO
Z1530 74ACT821S
+5V C1530 10NF
KIF2[9]
KIF2[8]
KIF2[7]
KIF2[6]
KIF2[5]
KIF2[4]
KIF2[3]
KIF2[2]
KIF2[1]
KIF2[0]
R1530 220
R1531 220
R1532 220
R1533 220
R1534 220
R1535 220
R1536 220
R1537 220
R1538 220
R1539 220
CD_TEST[0:1]
CD_TEST(1)
H(5)
KC2[0:10]
Z1610 74F821S
+5V C1610 10NF
TEST[0:9]
WIPEMASK[0:10]
OEWF2
H(3)
Z1580 74ACT399S
+5V C1580 10NF
Z1590 74ACT399S
+5V C1590 10NF
Z1600 74ACT399S
+5V C1600 10NF
KC22[0:10]
WIPEMASK(0:10)
Z1450 74ACT164S
Z1460 74ACT164S
Z1470 74ACT164S
+5V C1450 10NF
+5V C1460 10NF
+5V C1470 10NF
SHIFT REGISTER
R1470 0OHM
R1471 0OHM
R1472 0OHM
NC
Z1550 74F85S
Z1560 74F85S
Z1570 74F85S
+5V C1550 10NF
+5V C1560 10NF
+5V C1570 10NF
COMP
K/W2
Z1490 EP1C6Q0C8.3 vsh 15NS
+5V C1490 10NF
CS(3)
DATA_BUSR(0)
DATA_BUSR(1)
DATA_BUSR(10)
DATA_BUSR(11)
DATA_BUSR(12)
DATA_BUSR(13)
DATA_BUSR(14)
DATA_BUSR(15)
Z1480 74ACT574S
+5V C1480 10NF
BOX_MASK
INV_BOX_MASK
TYPE_BOX_MASK
INC
WIPE_MASK
TYPE_WIPE_MASK
PATTERN
FIL2
SIGN2
BG0
M2
OEM2
OVF2
MSB2
OEWF2
K/W2

MASK COMPOSE AND PHASING

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	11/27	BF1200	

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BOX MASK GENERATOR

RESC[0:4]
H[0:8]
POINT[0:9]
COMMAND[0:4]
LINE[0:8]
CS[1:2]
DATA_BUSR[0:15]
GENEBOX[0:3]
AD_BUSR[0:5]
DATA_BUSR[0:15]
WIPE[0:10]
WIPEMASK[0:10]
WIPE_EXT[0:10]

RESC
RESC[0:4]

RESC[0]	TOP_L
RESC[1]	TOP_T
RESC[2]	INC
RESC[3]	W WIPEMASK
RESC[4]	R WIPEMASK

MASK COMPOSE AND PHASING

THOMSON	TTV9200				
	TITLE: BORDER BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967995	A	030	12/27	BF1200

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H[0:8]

KC1I[0:10]

CHRO_DSK[0:10]

SELKDSK

Z1750 74F399S — +5V — C1750 10NF

KC1I[0] KC1I[1] KC1I[2] KC1I[3] — CHRO_DSK[0] CHRO_DSK[1] CHRO_DSK[2] CHRO_DSK[3] — H[1] — KC1[0] KC1[1] KC1[2] KC1[3]

Z1760 74F399S — +5V — C1760 10NF

KC1I[4] KC1I[5] KC1I[6] KC1I[7] — CHRO_DSK[4] CHRO_DSK[5] CHRO_DSK[6] CHRO_DSK[7] — H[1] — KC1[4] KC1[5] KC1[6] KC1[7]

Z1770 74F399S — +5V — C1770 10NF

KC1I[8] KC1I[9] KC1I[10] — CHRO_DSK[8] CHRO_DSK[9] CHRO_DSK[10] — H[1] — KC1[8] KC1[9] KC1[10]

KC1I[0:10] → KC1[0:10] → Z1200 follo 10/26

KC22[0:10]

CHRO_MUL[0:10]

SELKBGD

Z1780 74F399S — +5V — C1780 10NF

KC22[0] KC22[1] KC22[2] KC22[3] — CHRO_MUL[0] CHRO_MUL[1] CHRO_MUL[2] CHRO_MUL[3] — H[8] — KC2[0] KC2[1] KC2[2] KC2[3]

Z1790 74F399S — +5V — C1790 10NF

KC22[4] KC22[5] KC22[6] KC22[7] — CHRO_MUL[4] CHRO_MUL[5] CHRO_MUL[6] CHRO_MUL[7] — H[8] — KC2[4] KC2[5] KC2[6] KC2[7]

Z1310 74F399S — +5V — C1310 10NF

KC22[8] KC22[9] KC22[10] — CHRO_MUL[8] CHRO_MUL[9] CHRO_MUL[10] — H[8] — KC2[8] KC2[9] KC2[10]

KC22[0:10] → KC2[0:10] → Z1400 follo 11/26

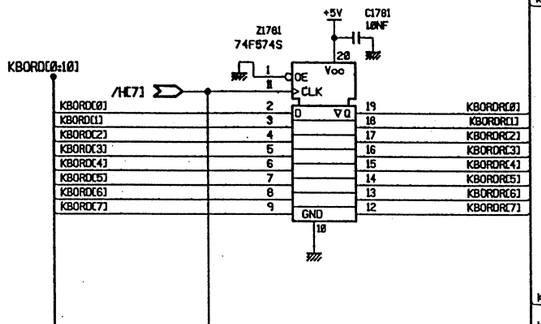
CHRO_MUL[0:10]

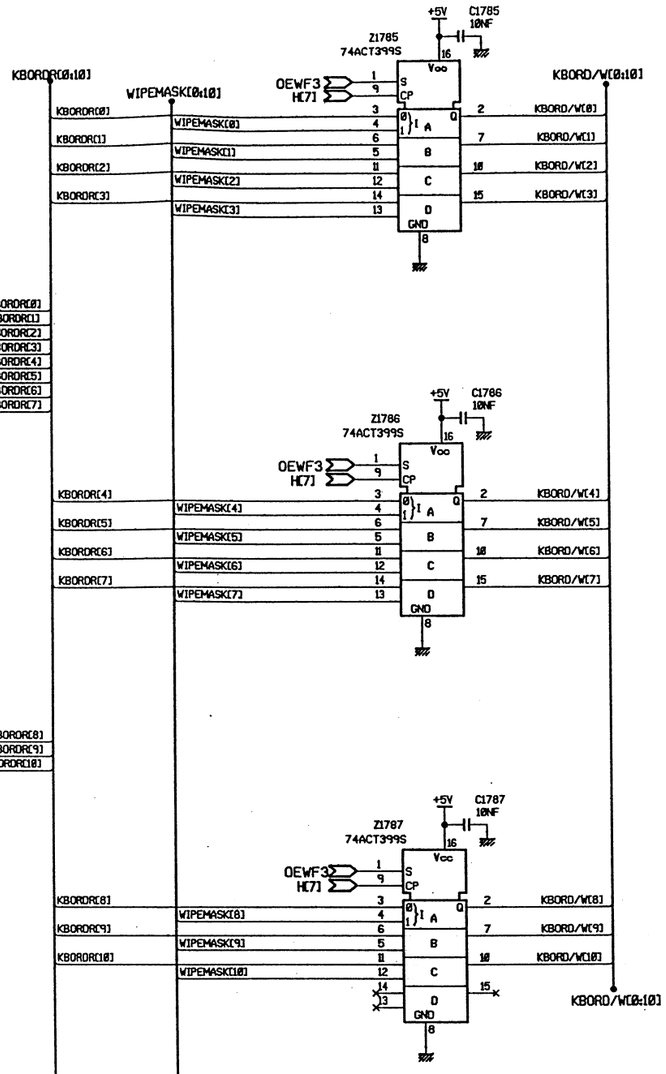
MASK COMPOSE AND PHASING

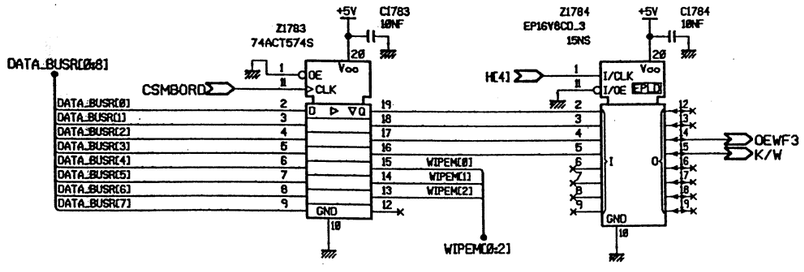
	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO: 3C967995	REV: A	CODE: 030	SHEET: 13/27	BLOCK: BF1200	

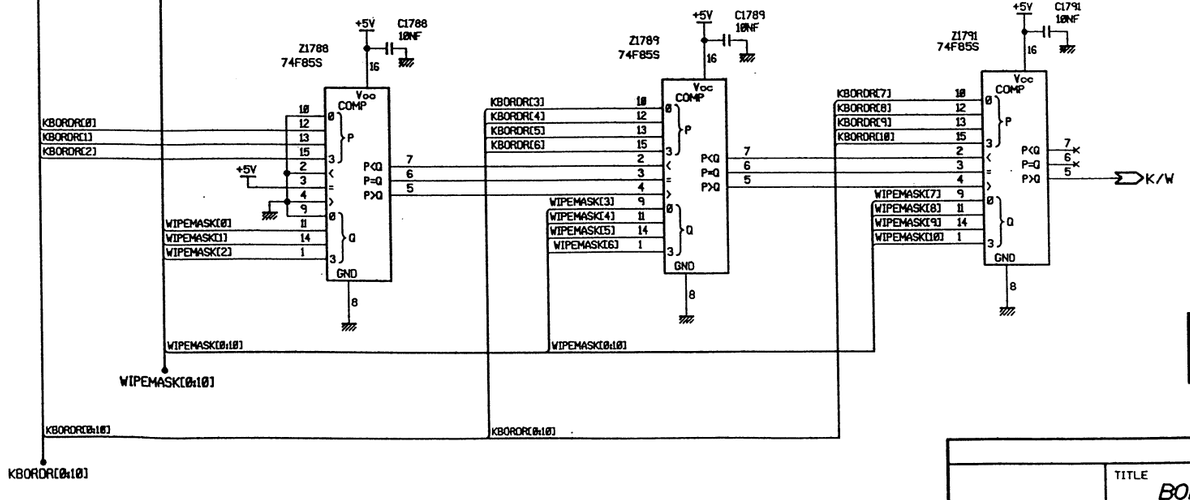
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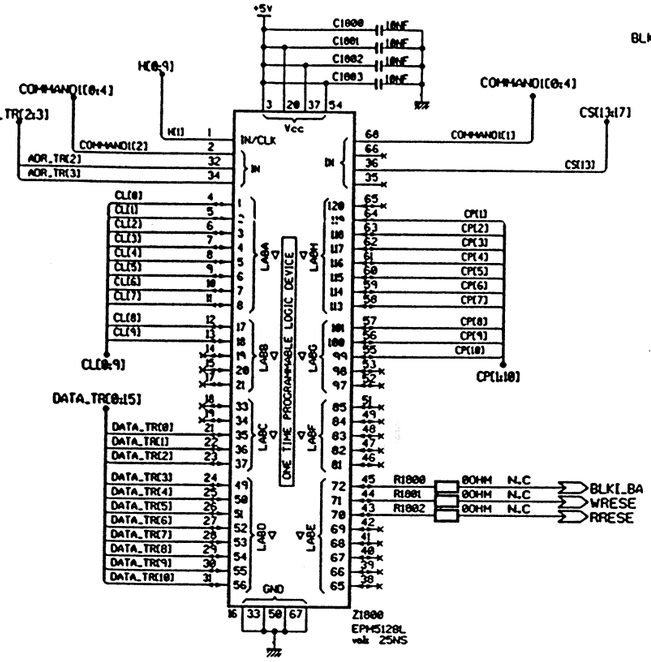




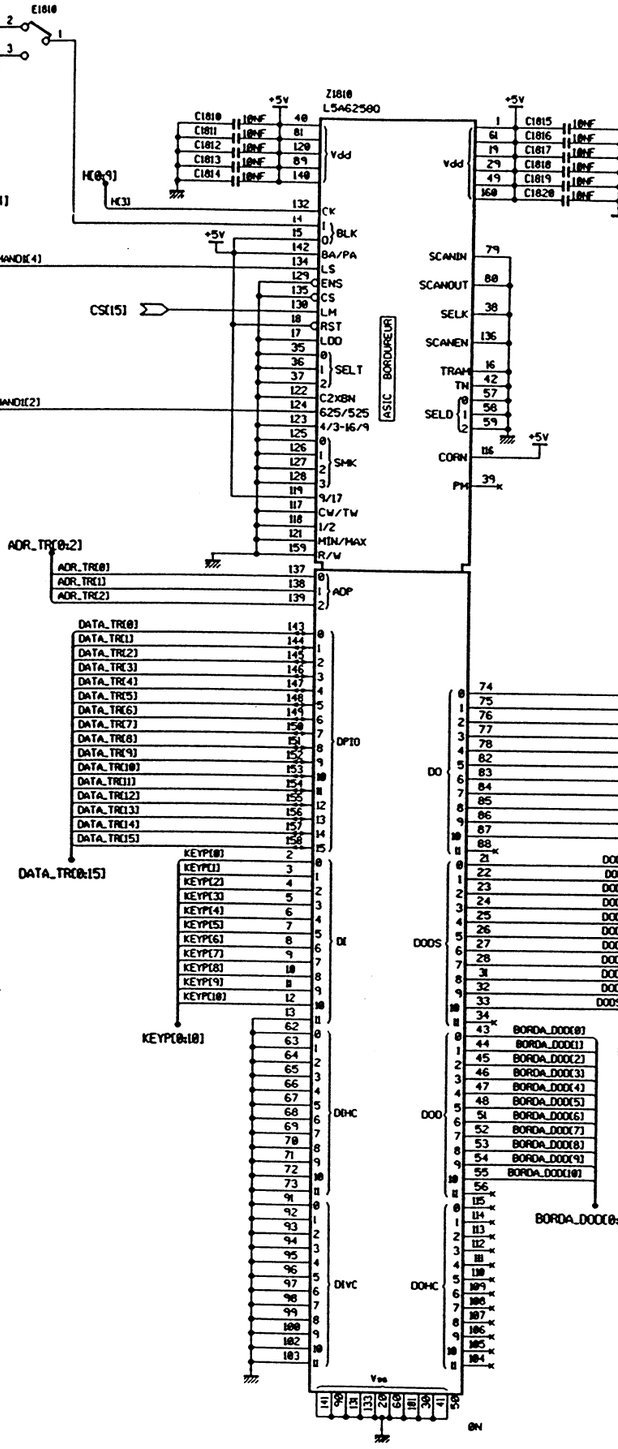
MASK COMPOSE AND PHASING

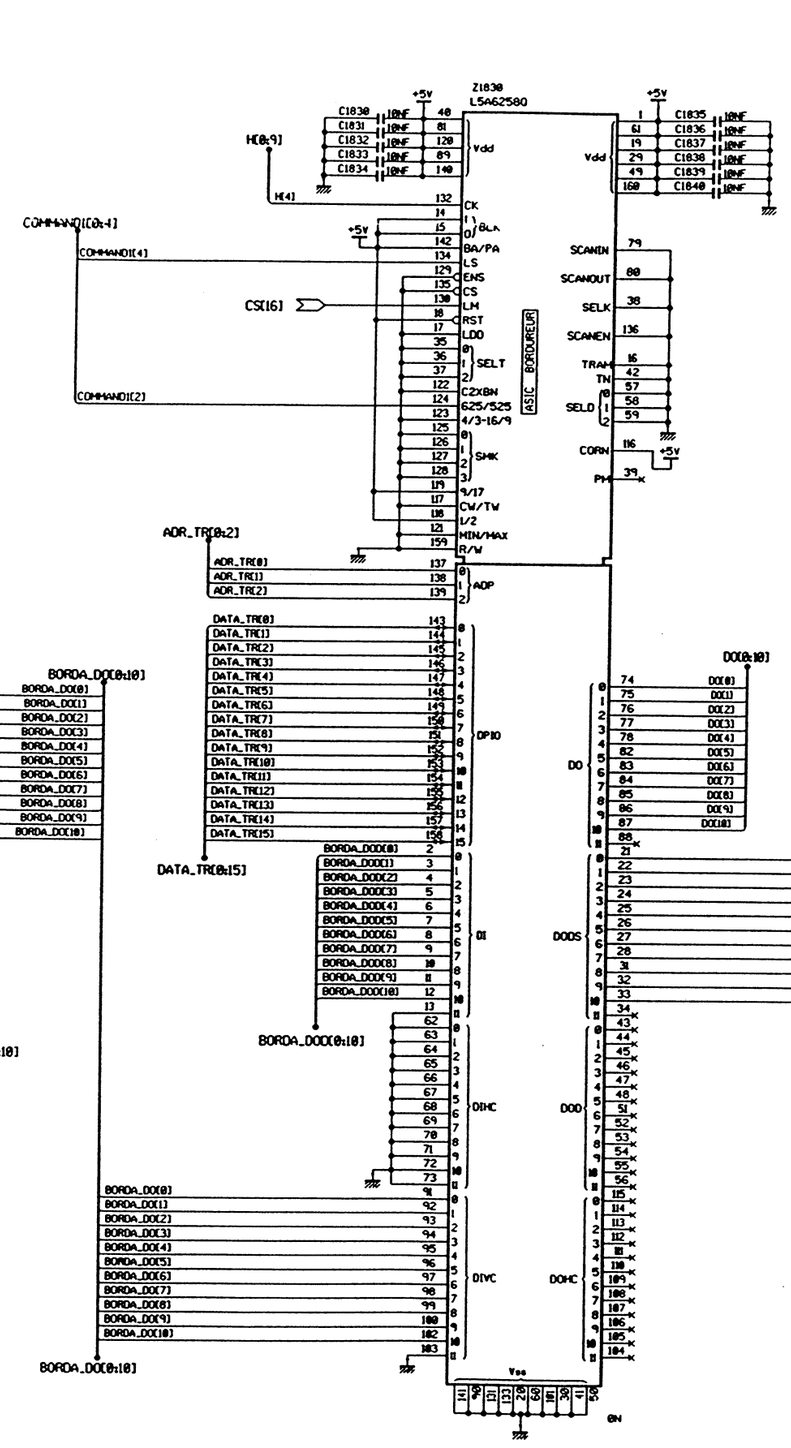
	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO: 3A967995	REV: A	CODE: 030	SHEET: 14/27	BLOCK: BF1200	

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KEY TRAITEMENT BLANKING





DSK BORDER GENERATOR

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	15/27	BF1800	

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KEY DELAY SELECT

KEY DELAY TRAITEMENT

KEY BORDER DELAY

DSK BORDER GENERATOR

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	16/27	BF1800	

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KEY BORDER SELECT

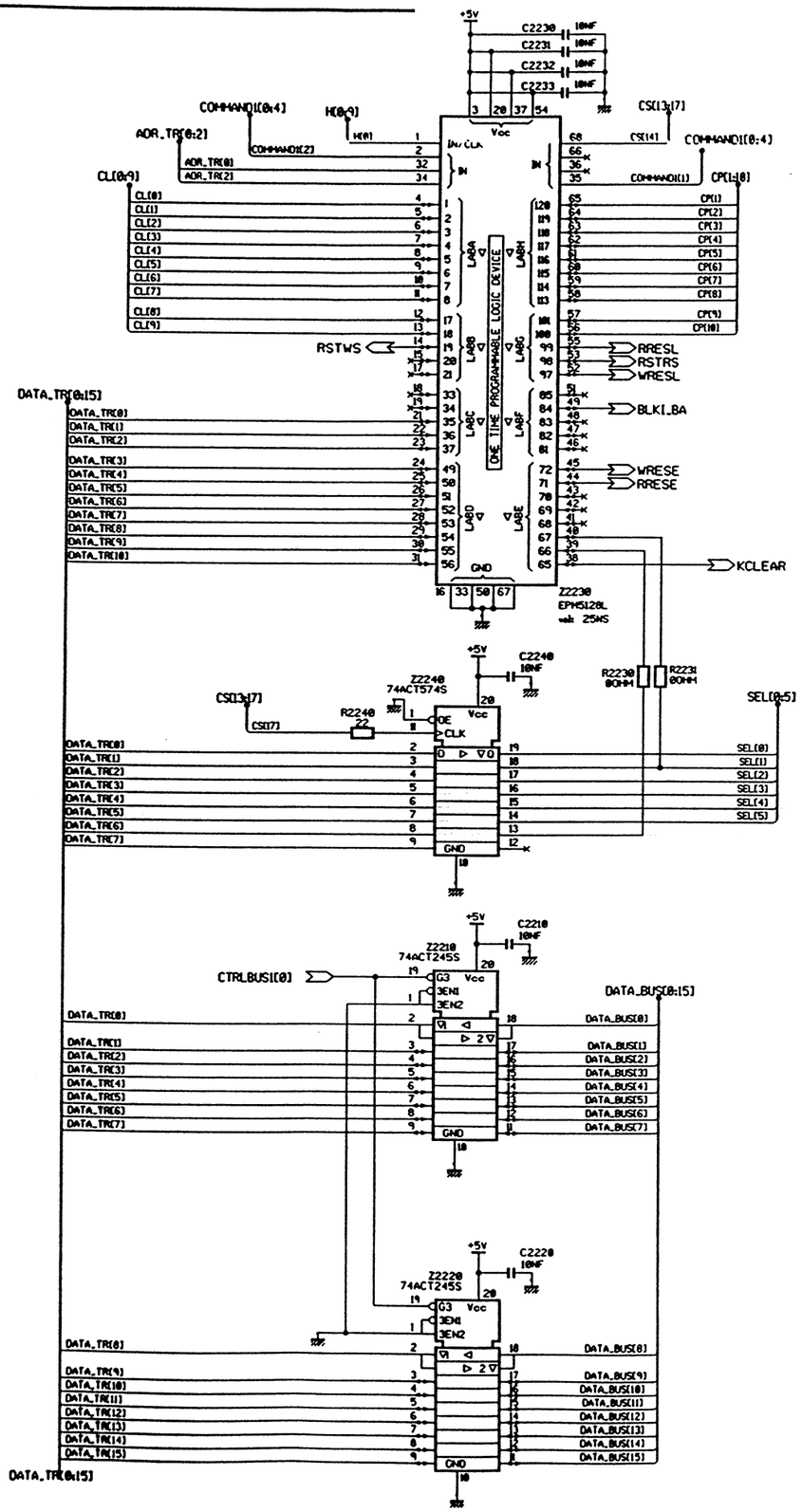
CLEAR OUTLINE KEY

DSK BORDER GENERATOR

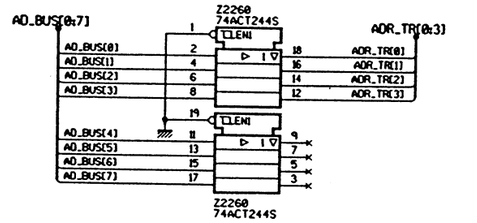
	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	17/27	BF1800	

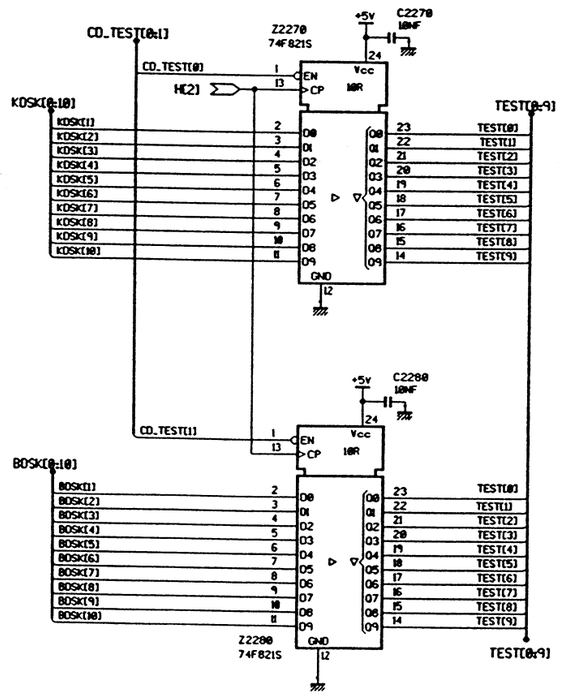
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KEY BORDER TRAITEMENT



COMMANDE INTERFACE





CLOCK

H[0:10]

H[0]	KEY BORDER TRAITEMENT
H[1]	KEY TRAITEMENT AND BLANKING
H[2]	OUTPUT TEST
H[3]	ASIC BORDER A
H[4]	ASIC BORDER B
H[5]	KEY DELAY SELECT
H[6]	KEY DELAY BORDER
H[7]	KEY BORDER SELECT
H[8]	OUTLINE
H[9]	CLEAR OUTLINE

/H[0:1]

/H[0]	KEY OUT
/H[1]	KEY BORDER SELECT

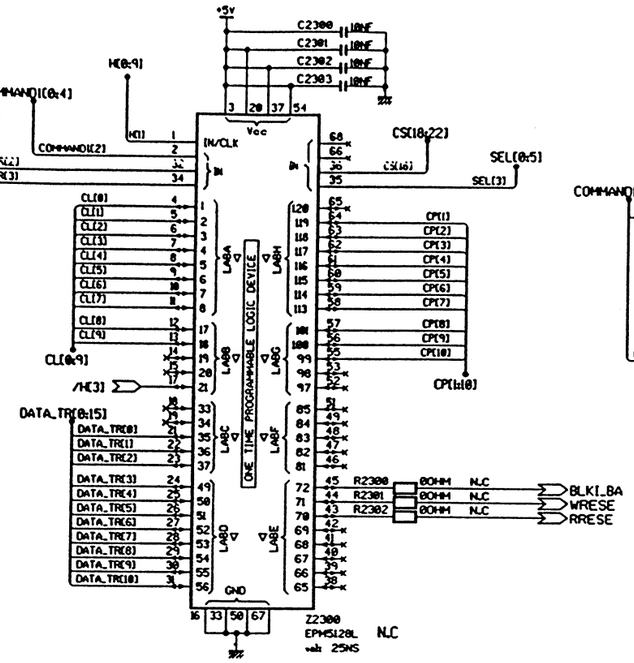
DSK BORDER GENERATOR

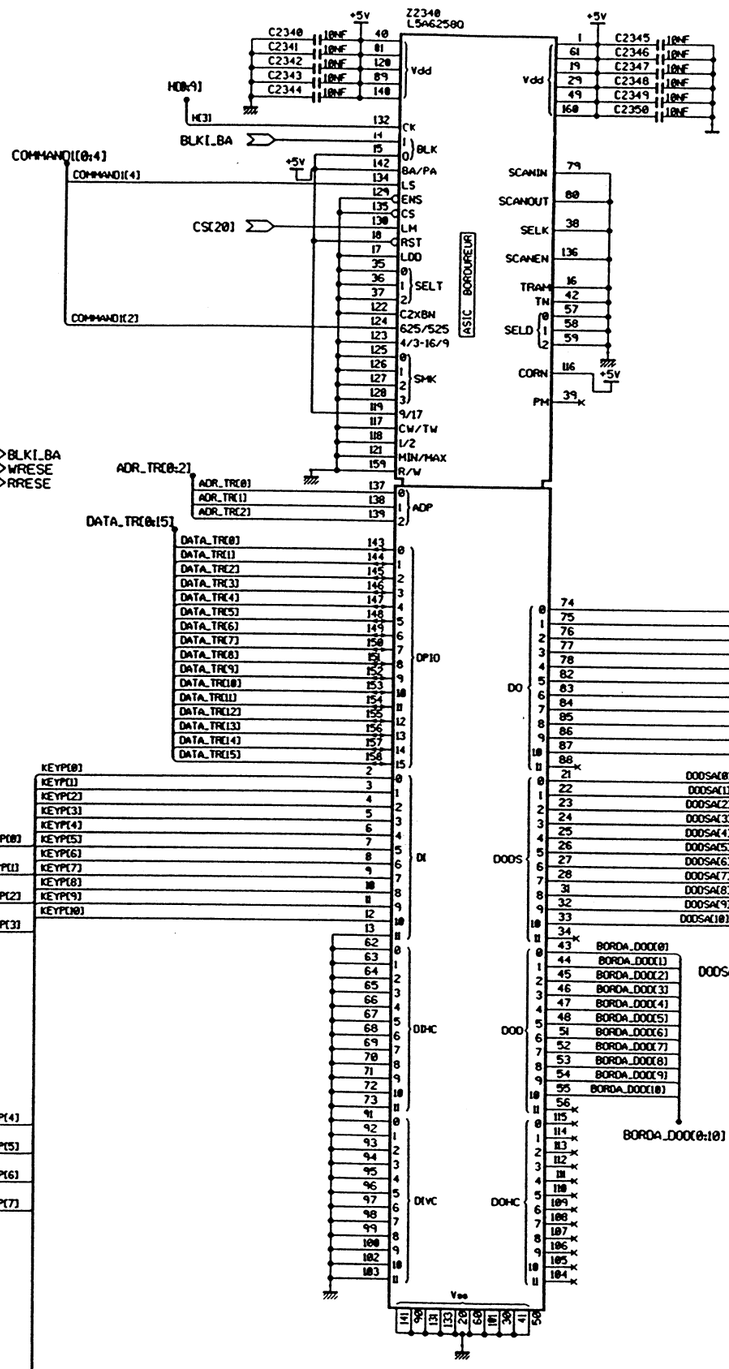
+5V C2260 10NF
Z2260
74ACT244S

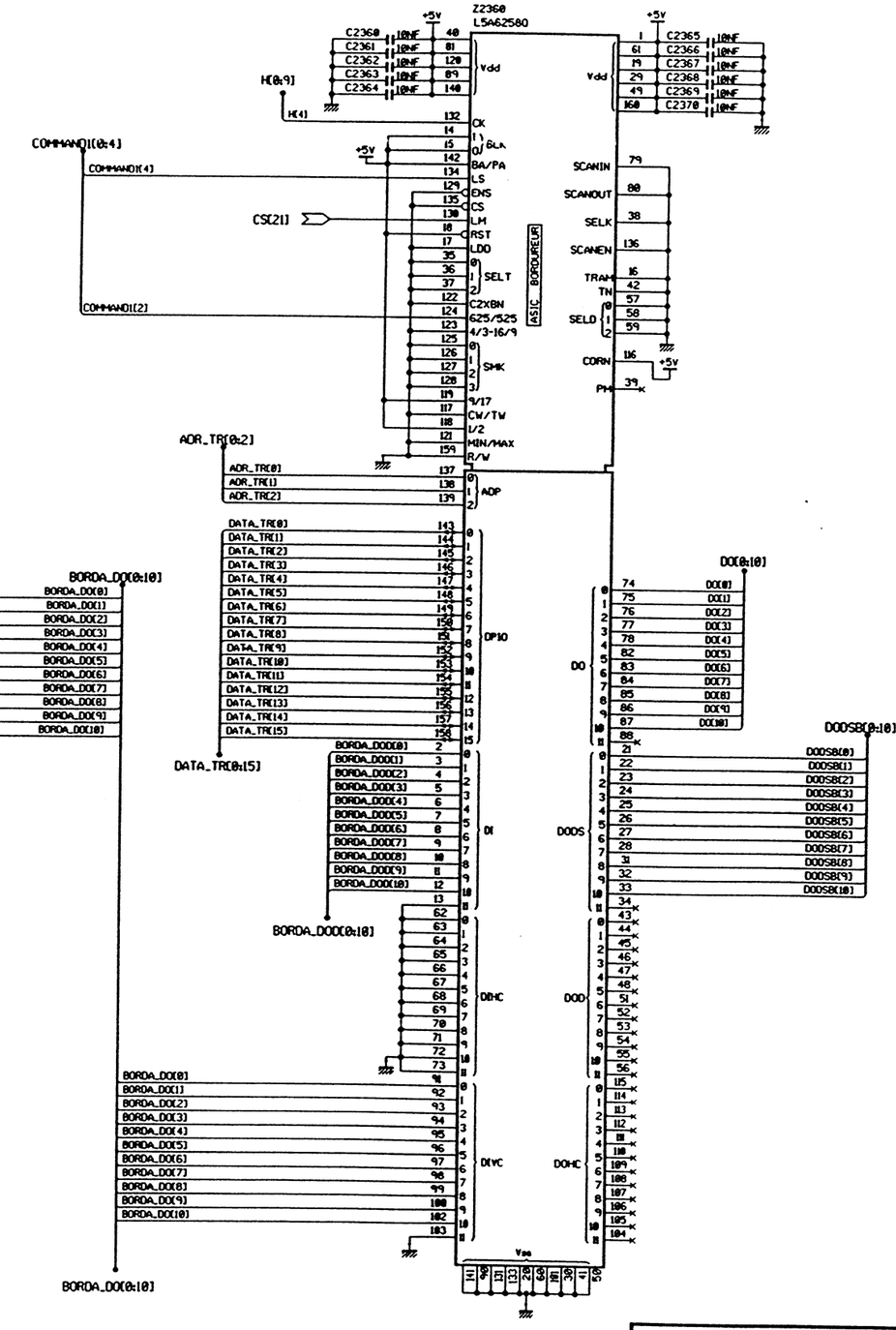
TTV9200

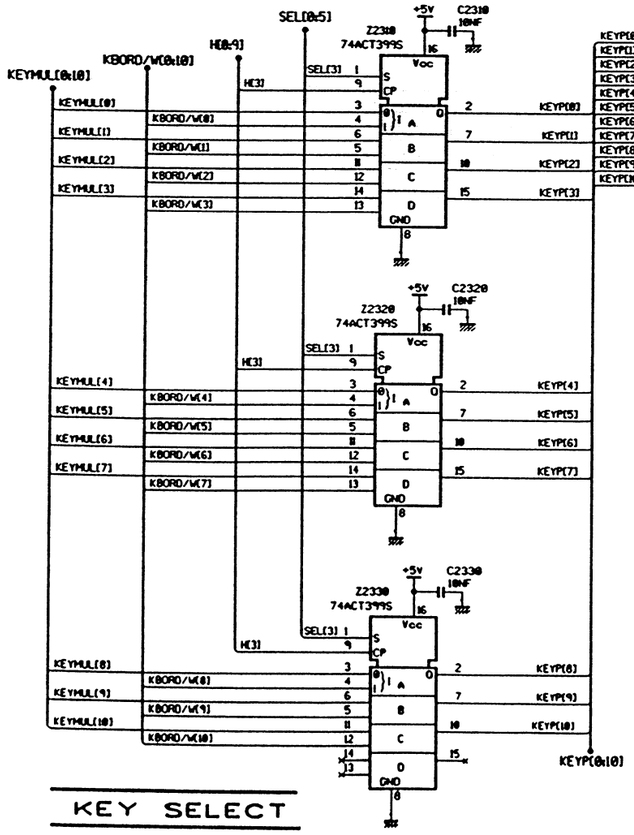
THOMSON	TITLE: BORDER BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967995	A	030	18/27	BF1800

KEY TRAITEMENT BLANKING







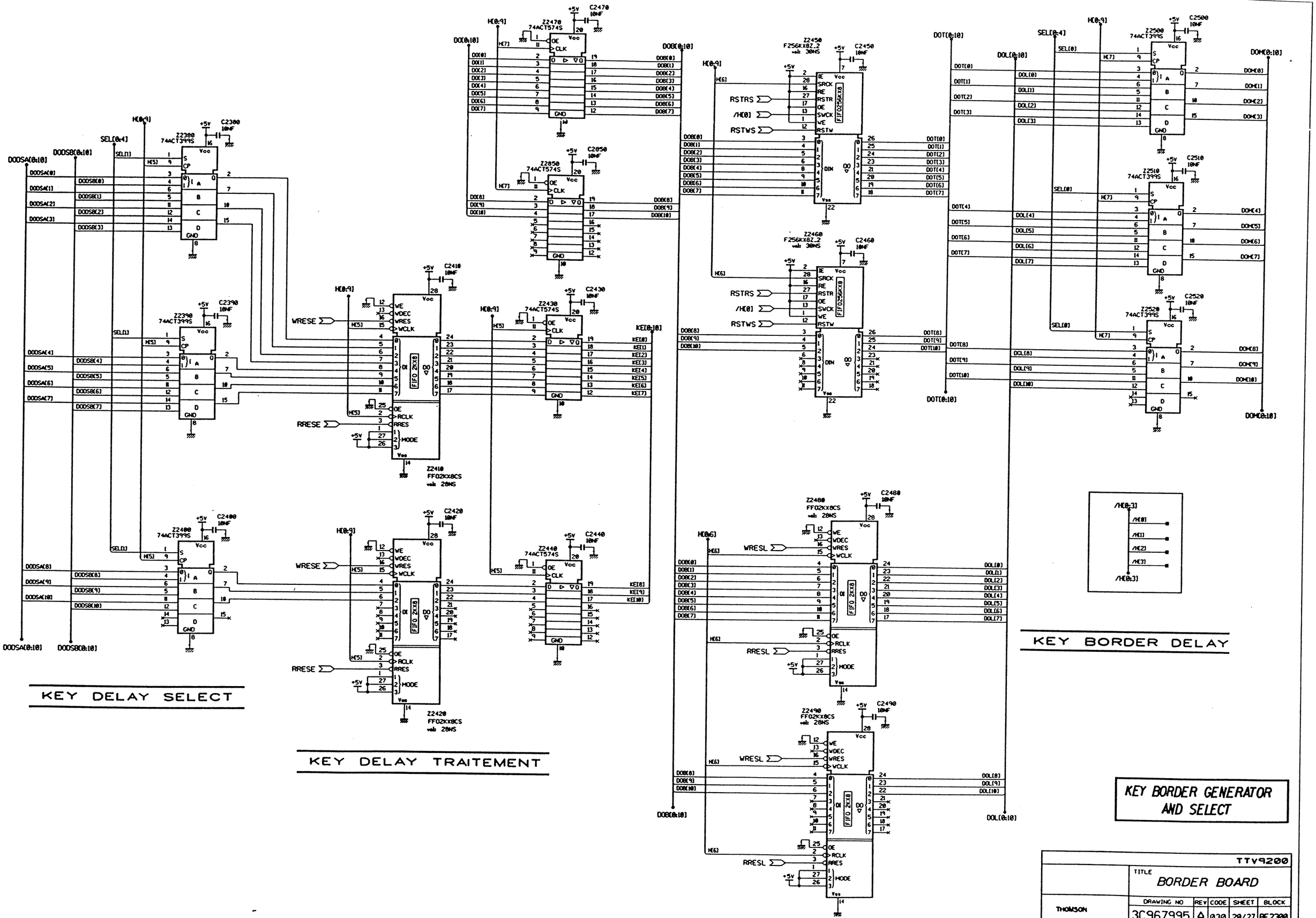


KEY SELECT

KEY BORDER GENERATOR AND SELECT

	TTV9200				
	TITLE: BORDER BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967995	A	030	19/27	BF2300

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KEY DELAY SELECT
KEY DELAY TRAITEMENT
KEY BORDER DELAY
KEY BORDER GENERATOR AND SELECT
DOOSA[0:10]
DOOSB[0:10]
DOB[0:10]
KE[0:10]
DOT[0:10]
DOL[0:10]
DOM[0:10]
H[0:9]
SEL[0:4]
WRESE
RRESE
WRESL
RRESL
RSTRS
RSTWS
/H[0]
/H[0:3]
74ACT399S
74ACT574S
F256KX8Z_2
FIF02256KX8
FF02KX8CS
FIFO 2KX8
MODE
C2380 10NF
C2390 10NF
C2400 10NF
C2410 10NF
C2420 10NF
C2430 10NF
C2440 10NF
C2450 10NF
C2460 10NF
C2480 10NF
C2490 10NF
C2500 10NF
C2510 10NF
C2520 10NF
TTV9200
BORDER BOARD
THOMSON
3C967995
A
030
20/27
BF2300

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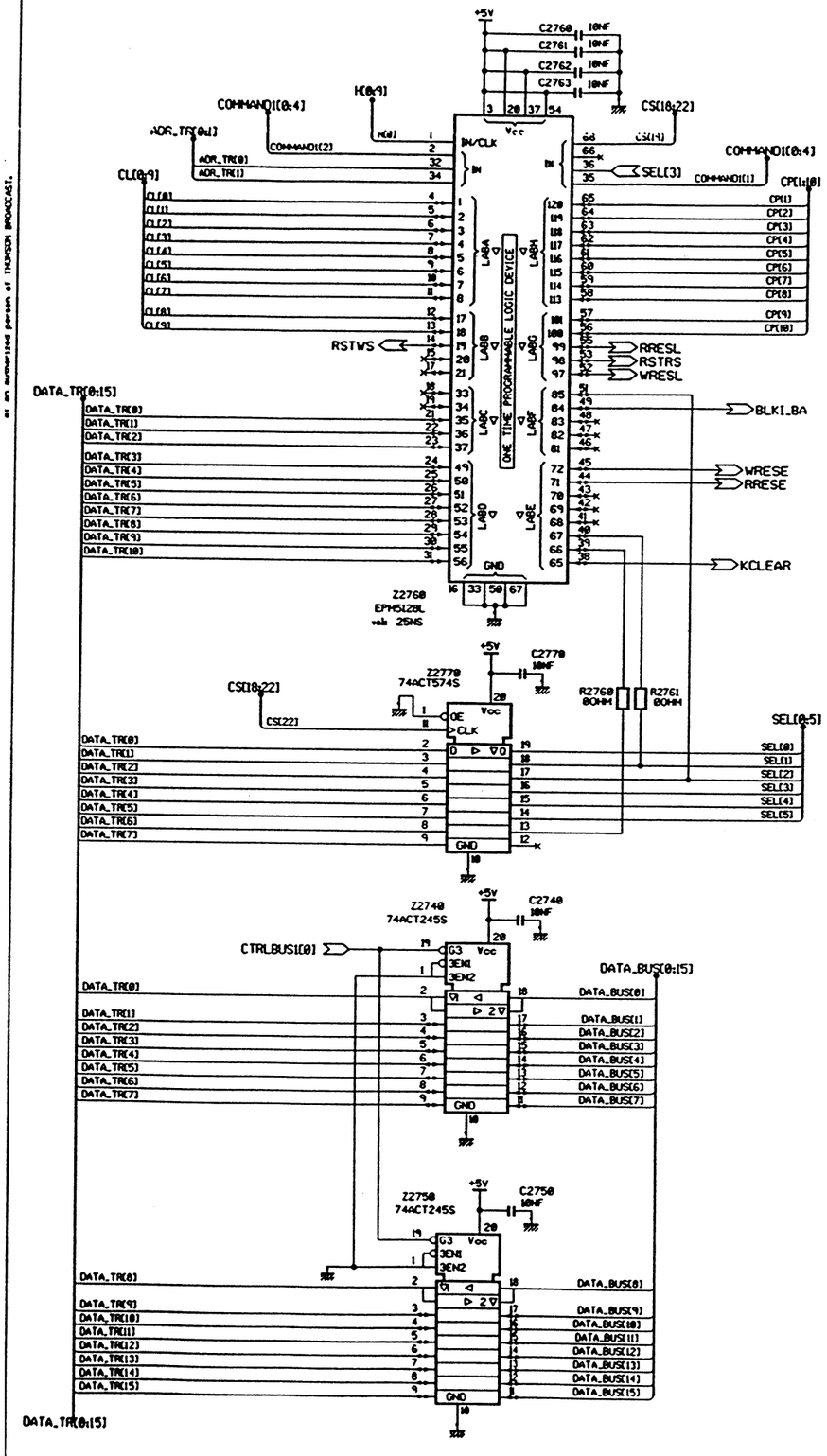
CLEAR OUTLINE KEY

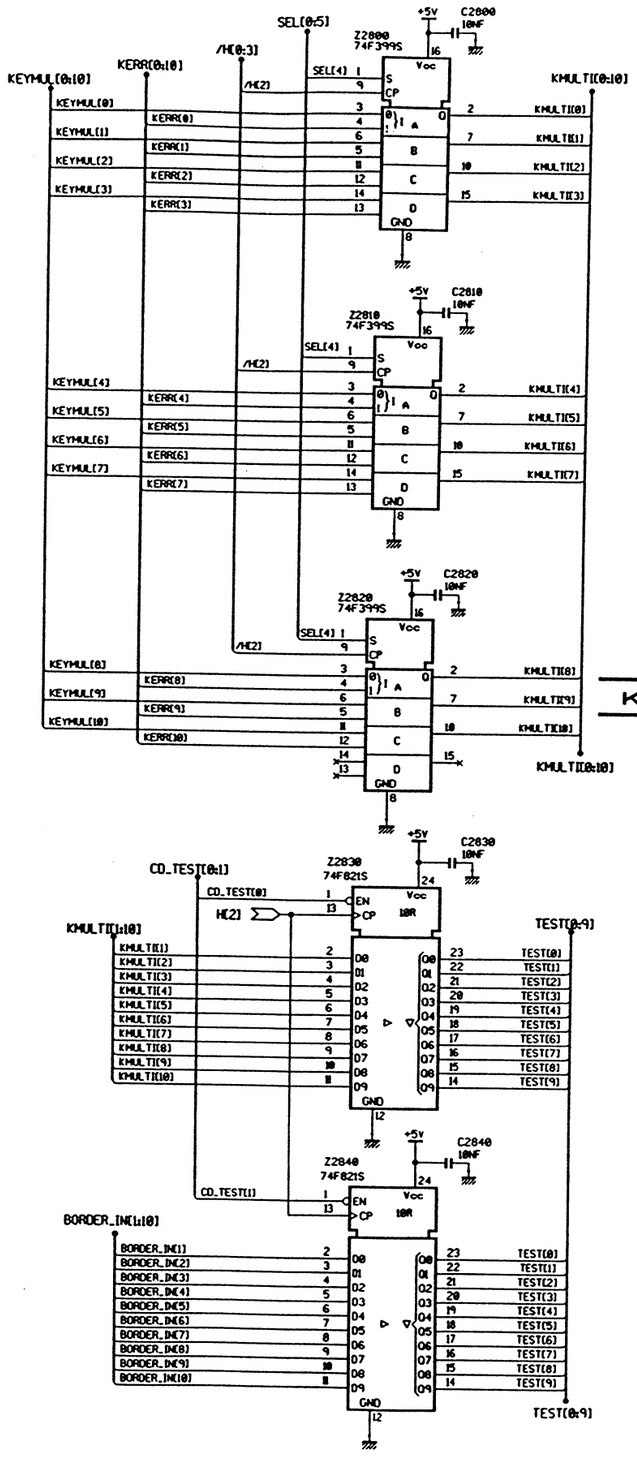
KEY BORDER SELECT

KEY BORDER GENERATOR AND SELECT

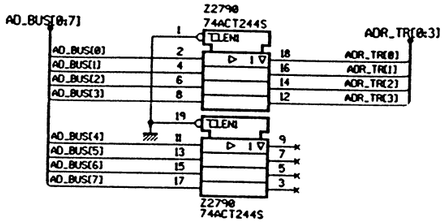
	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	21/27	BF2300	

KEY BORDER TRAITEMENT





KEY OUTPUT



SELECT

SEL[0:5]

SEL[0]	DOT/DOL SELECT
SEL[1]	DOOSA/DOOSB SELECT
SEL[2]	OUTL/K11 SELECT
SEL[3]	KBGD/KBORD
SEL[4]	KEYMUL/KER SELECT
SEL[5]	KIP2/CHRO_MUL SELECT

CLOCK

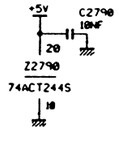
H[0:9]

H[0]	KEY BORDER TRAITEMENT
H[1]	KEY TRAITEMENT AND BLANKING
H[2]	
H[3]	ASIC BORDER A
H[4]	ASIC BORDER B
H[5]	KEY DELAY SELECT
H[6]	KEY DELAY BORDER
H[7]	KEY BORDER SELECT
H[8]	OUTLINE MODE
H[9]	CLEAR OUTLINE KEY

/H[0:3]

/H[0]	KEY OUT
/H[1]	KEY BORDER SELECT
/H[2]	SELECT OUTPUT
/H[3]	SELECT INPUT

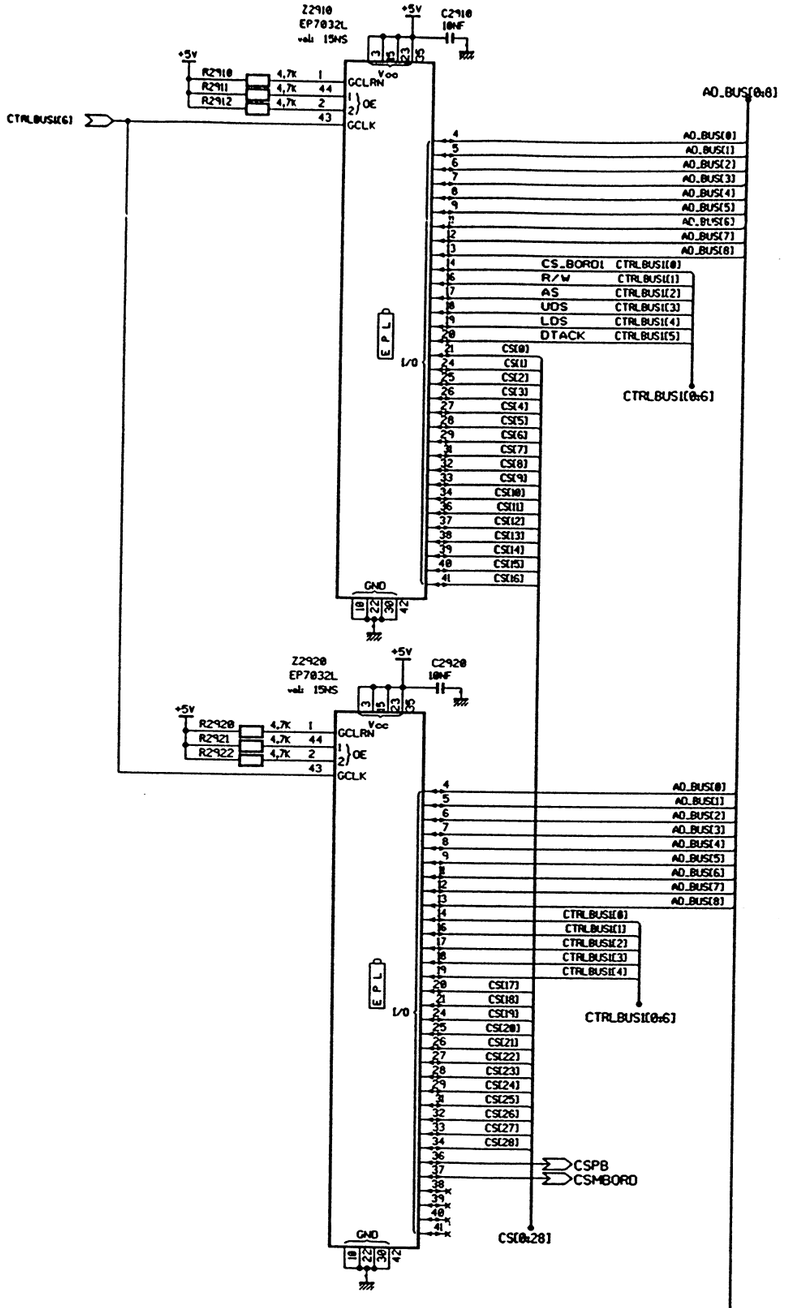
KEY BORDER GENERATOR AND SELECT

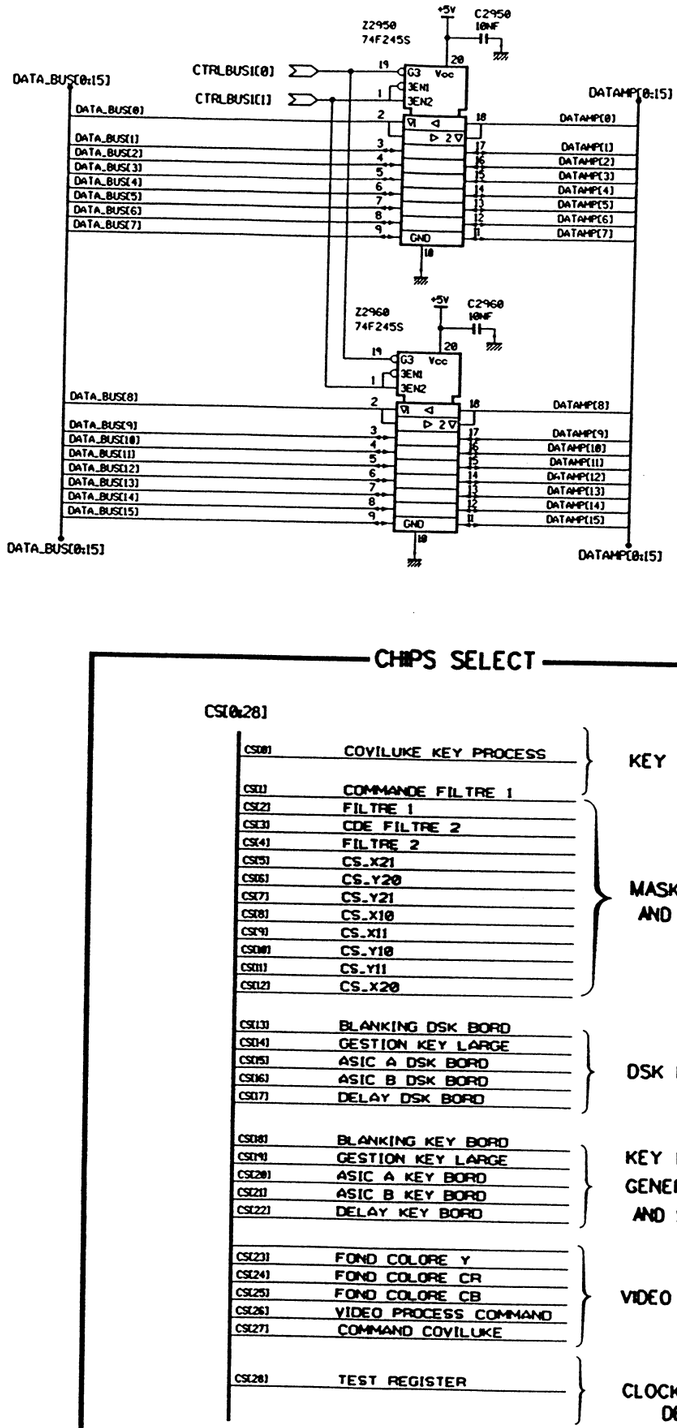


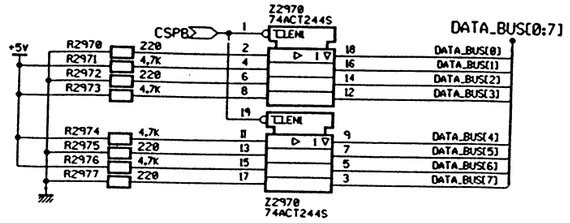
THOMSON	TTV9200					
	TITLE: BORDER BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	22/27	BF2300	

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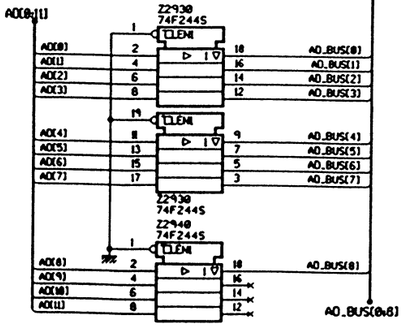


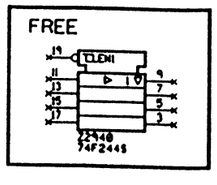


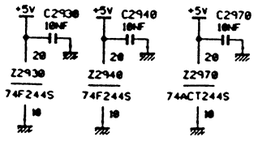
CHIPS SELECT

CS[0:28]

CS[0]	COVILUKE KEY PROCESS	KEY PROCESS
CS[1]	COMMANDE FILTRE 1	
CS[2]	FILTRE 1	MASK COMPOSE AND PHASING
CS[3]	CDE FILTRE 2	
CS[4]	FILTRE 2	
CS[5]	CS_X21	
CS[6]	CS_Y20	
CS[7]	CS_Y21	
CS[8]	CS_X10	
CS[9]	CS_X11	
CS[10]	CS_Y10	
CS[11]	CS_Y11	
CS[12]	CS_X20	
CS[13]	BLANKING DSK BORD	DSK BORD
CS[14]	GESTION KEY LARGE	
CS[15]	ASIC A DSK BORD	
CS[16]	ASIC B DSK BORD	
CS[17]	DELAY DSK BORD	
CS[18]	BLANKING KEY BORD	KEY BORDER GENERATOR AND SELECT
CS[19]	GESTION KEY LARGE	
CS[20]	ASIC A KEY BORD	
CS[21]	ASIC B KEY BORD	
CS[22]	DELAY KEY BORD	
CS[23]	FOND COLORE Y	VIDEO PROCESS
CS[24]	FOND COLORE CR	
CS[25]	FOND COLORE CB	
CS[26]	VIDEO PROCESS COMMAND	
CS[27]	COMMAND COVILUKE	
CS[28]	TEST REGISTER	CLOCK AND SIGNAL DECODING







MICROPROCESSOR INTERFACE

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	23/27	BF2900	

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CLOCK[0:5]

KEY BORDER GENERATOR

MASQUE FILTER AND COMPOSE

KEY BORDER GENERATOR

KEY BORDER GENERATOR AND SELECT

KEY PROCESS

-/- 2,5 NS PHASING WITH 2H ROUTING BOARD CLOCK

CLOCK AND SIGNAL DECODING

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	24/27	BF3000	

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POINT COUNTER

COMMANDI[0:4]

Z3140 74F86S — R3140 4,7K — 2H[0:10] — COMMANDI[0] — 2H[10]

Z3150 74F163S — R3150 4,7K — R3151 4,7K — C3150 10NF — CTR4 (CEP, CET, PE, MR, CLK; D0–D3; TC) — CP[1:10] — CP[0] CP[1] CP[2] CP[3]

Z3160 74F163S — R3160 4,7K — C3160 10NF — CTR4 — CP[4] CP[5] CP[6] CP[7]

Z3170 74F163S — R3170 4,7K — C3170 10NF — CTR4 — CP[8] CP[9] CP[10]

Z3210 EP7032L 15NS — C3210 10NF — C3211 10NF — C3212 10NF — C3213 10NF — R3210 4,7K — R3211 4,7K — R3212 4,7K — GCLRN — OE — GCLK — 2H[10] — CP[1:10] — TL[0:2] — COMMANDI[0:4] — I/O — SELKBGD — SELKDSK — PRESMASK — R_W_P — TOPBOX — SEL[4] — GENEBOX[0:3] — TOPL — SUP H/2 — SUP H — WIPEM[0:2] — RESC[0:4]

CDE TEST

CD_TEST[0:11]

CD_TEST[0]	KDSK DESERIAL
CD_TEST[1]	KBGD DESERIAL
CD_TEST[2]	VDSK DESERIAL
CD_TEST[3]	KDSK APRES TRAITEMENT KEY
CD_TEST[4]	KBGD APRES TRAITEMENT KEY
CD_TEST[5]	KDSK APRES FILTRAGE
CD_TEST[6]	KBGD APRES FILTRAGE
CD_TEST[7]	KDSK APRES ASIC BORDER
CD_TEST[8]	BORDURE DE KDSK
CD_TEST[9]	KEYMULTI OU KEY APRES ASIC BORDER
CD_TEST[10]	BORDURE DU KEY EN ENTREE
CD_TEST[11]	VDSK APRES MISE EN PHASE

Z3230 74ACT574S — R3230 220 — C3230 10NF — CS[28] — DATA_BUSR[0:7] — CD_TEST[0:11]

Z3240 74ACT574S — R3240 220 — C3240 10NF — CS[28] — DATA_BUSR[8:11] — CD_TEST[8:11]

LINE COUNTER

Z3140 74F86S — R3141 220 — R3142 220 — 2H[0:10] — COMMANDI[0] — COMMANDI[3]

Z3180 74F163S — R3180 4,7K — C3180 10NF — CTR4 — 2H[7] — CL[0:9] — CL[0] CL[1] CL[2] CL[3]

Z3190 74F163S — R3190 4,7K — C3190 10NF — CTR4 — CL[4] CL[5] CL[6] CL[7]

Z3200 74F163S — R3200 4,7K — C3200 10NF — CTR4 — CL[8] CL[9]

Z3220 EP7032L 15NS — C3220 10NF — C3221 10NF — C3222 10NF — C3223 10NF — R3220 4,7K — R3221 4,7K — R3222 4,7K — GCLRN — OE — GCLK — 2H[7] — RESC[0:4] — TOPBOX — R_W_P — PRES[0:2] — R3223 100K — C3224 1MF — RESTOMUX[0:2] — I/O — R_W_L — COMMANDI[0:4] — TOPI — GENEBOX[0:3] — CL[0:9]

Z3250 74F574S — R3250 220 — C3250 10NF — 2HR1 — COMMANDI[0:10] — TOP_L_OPT — PARITY — STANDARD — TOP_T_OPT — WSL

Z3260 74F574S — R3260 220 — C3260 10NF — 2HR2 — COMMANDI[0:4]

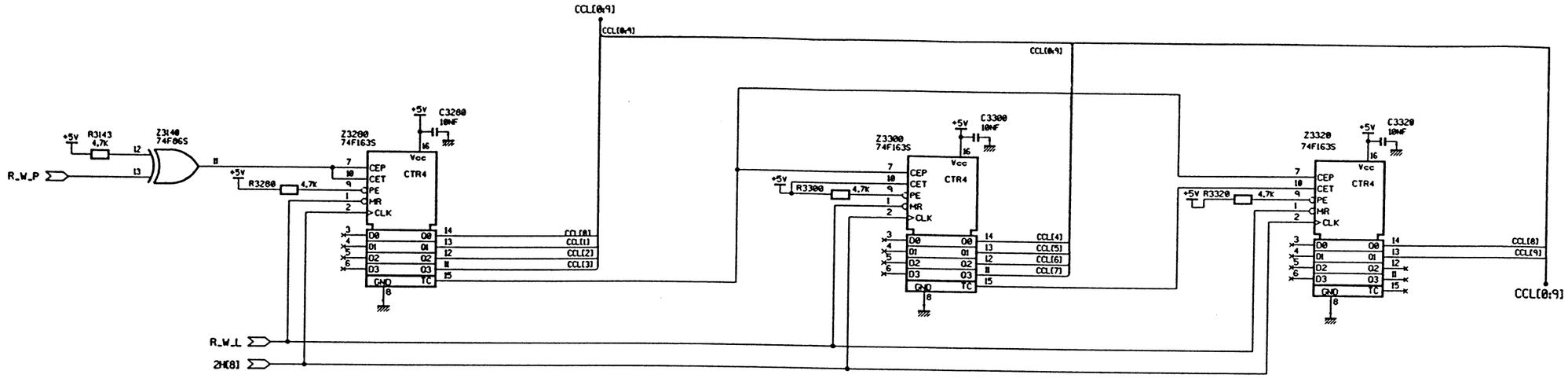
Z3270 74F244S — CTRLBUS[0:9] — CTRLBUS[0:6] — CS_BORD — R/W — AS — UDS — LDS — DTACK — CLOCK

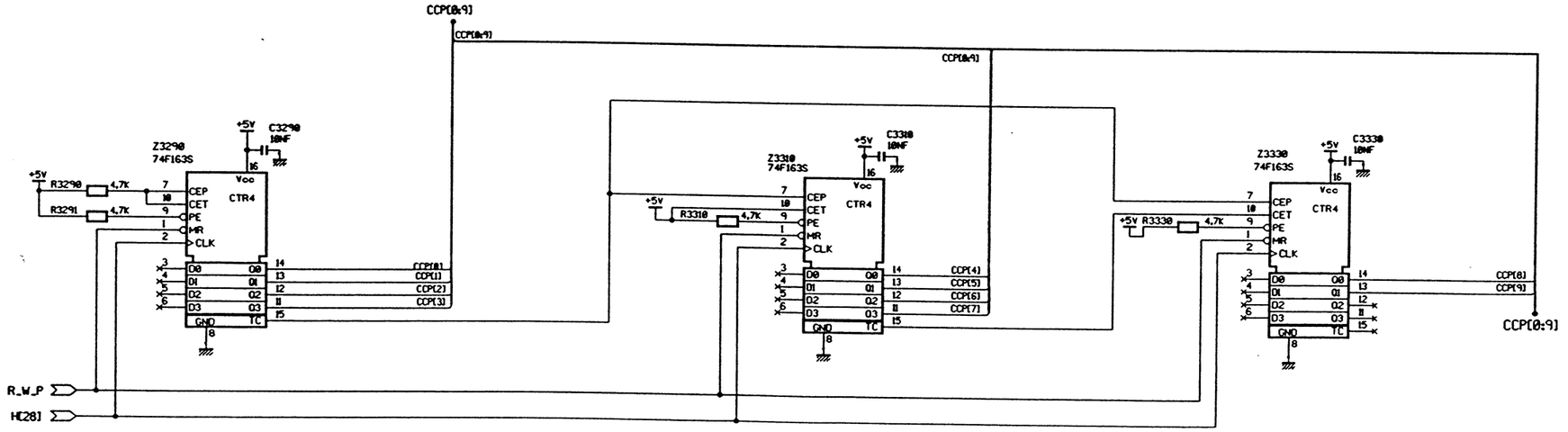
Z3140 74F86S — C3140 10NF — Z3270 74F244S — C3270 10NF

CLOCK AND SIGNAL DECODING

THOMSON	TITLE: BORDER BOARD					TTV9200
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	25/27	BF3000	

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CLOCK AND SIGNAL DECODING

	TTV9200					
	TITLE: BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	26/27	BF3000	

DATA_BUS[0:11]

DATA[0:11]

AD_BUS[0:4]

AD[0:4]

2H[0:1]

OE[0:4]

CCP[0:9]

VIDEOATR[0:9]

VIDEOIN[0:9]

CCL[0:9]

DATA[0:11]

CSL[26]

CSL[27]

CSL[26:27]

COMMAND[1:4]

H_ASIC

H2

OE[0:6]

CSL[23:27]

CSL[23]

CSL[24]

CSL[25]

FOND COLORE Y

FOND COLORE CR

FOND COLORE CB

VIDEOUT[0:9]

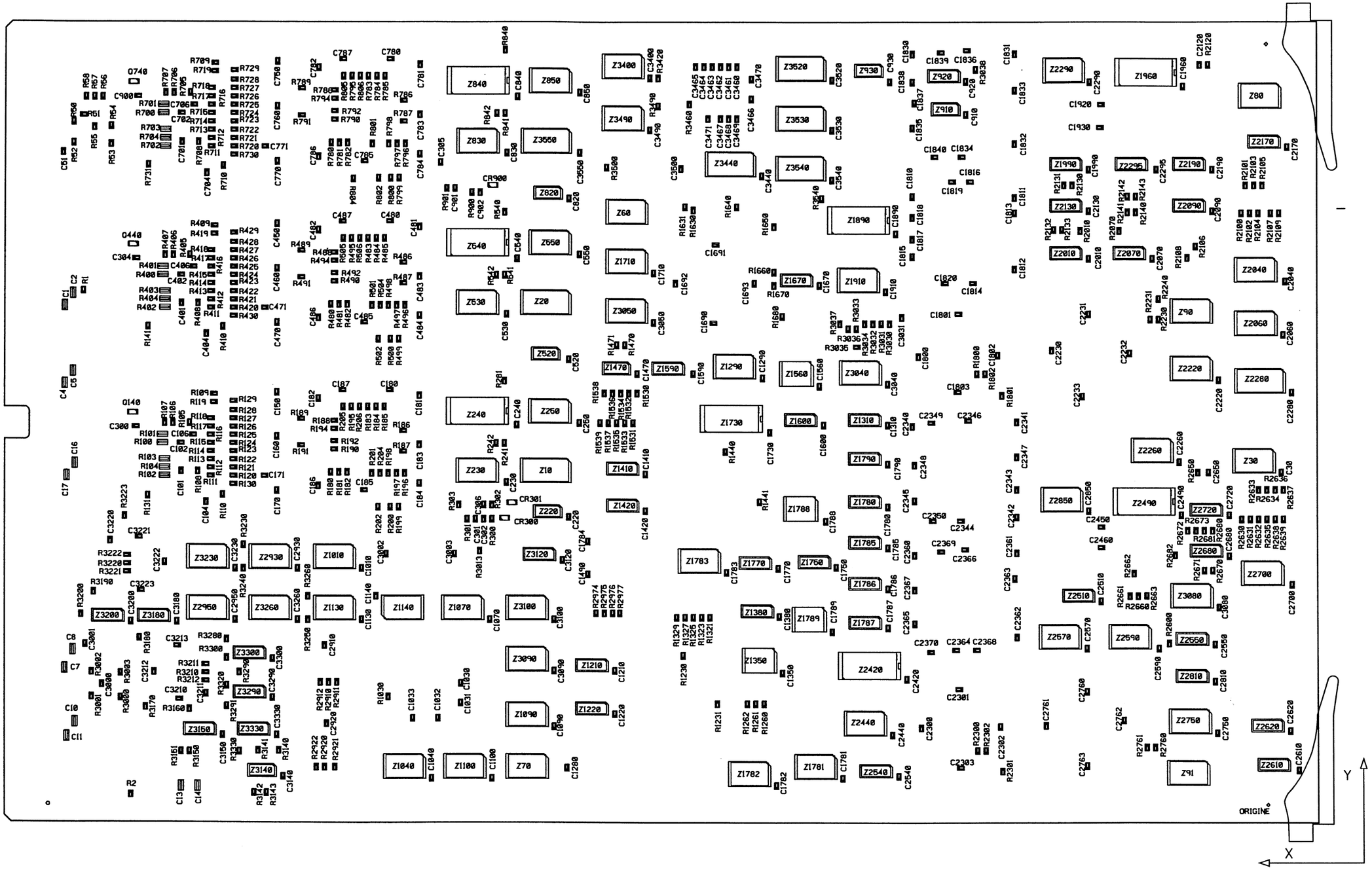
CD_TEST[0]

TEST[0:9]

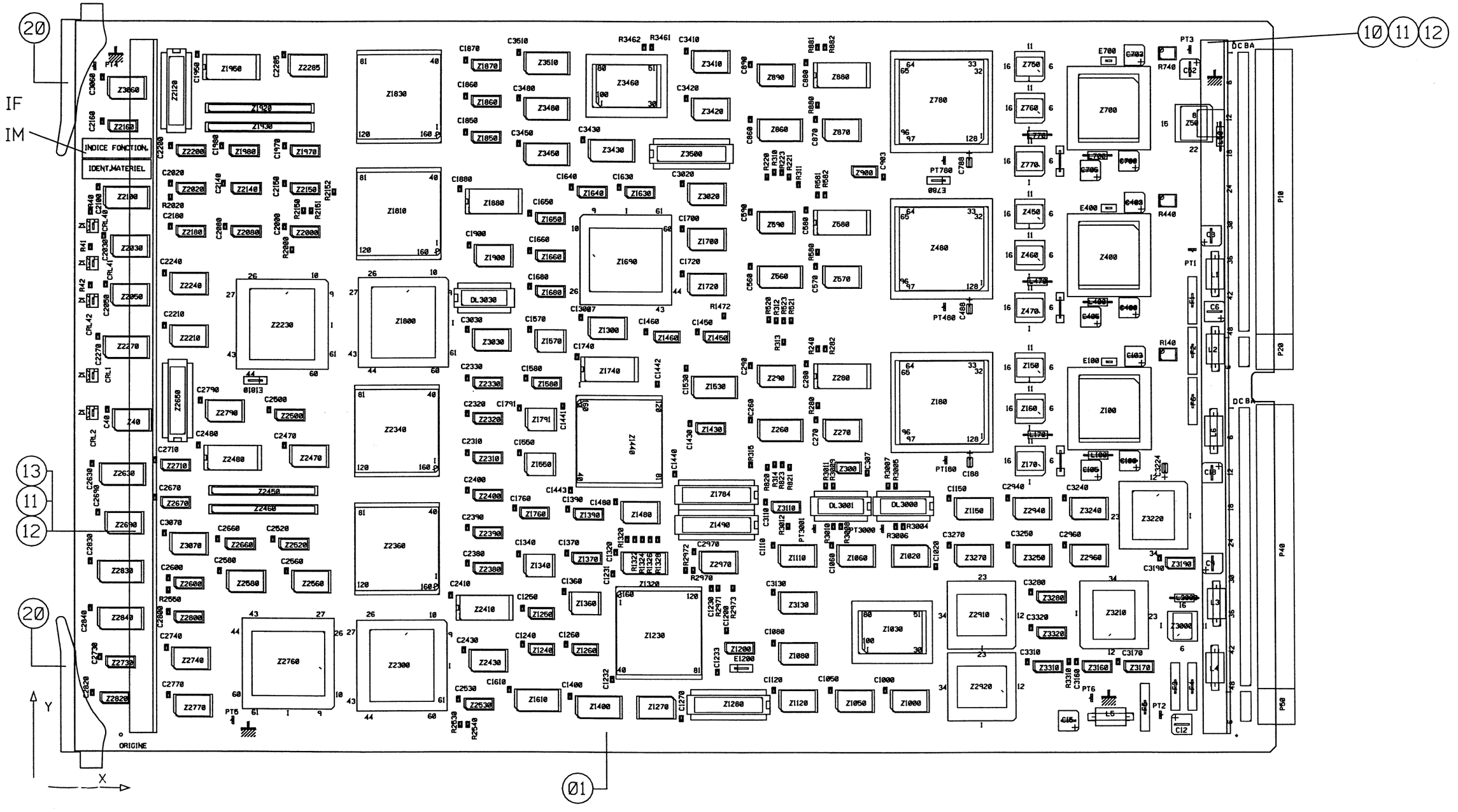
FREE

VIDEO PROCESS FCIO

	TTV9200					
	TITLE BORDER BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967995	A	030	27/27	BF3400	



IND	DATE		NØ.DOSSIER
Ø1	18/04/96		3C967995
THOMSON			CI:BORDER BOARD (SO) NØ:2C534399/Ø08
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Z460
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R2020
R2150
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R2000
R2970
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BF100 — VIDEO SELECTION (video.sch)

Inputs: K1[0:9], K2[0:9], MULTI_AT[0:9], DSK_AT[0:9], WIPE_EXT[0:10], 2HR1, H[3], 2HR4[0], 2H[1], INPUT_SEL[0:3], CD_TEST[0:1], COMMAND1[5], RESET_CL, PHAS[0:1], 2HR, TEST[0:9]

Outputs: WIPE[0:10], VIDEO1[0:9], VIDEO2[0:9]

BF200 — INTERPOLATION CHROMINANCE (chromunt.sch)

Inputs: H[5], HR1[2], /HR1[2], H/2, /H/2, CB1[0:15], CR1[0:15], TEST[0:9], WIPE[0:10], VIDEO1[0:9], VIDEO2[0:9]

Outputs: CH2[0:9], CB_SYNC, CR_SYNC

BF300 — LUMINANCE CHANNEL DELAY (lumn.sch)

Inputs: H[4], 2H[1], RES[0], RES[1], TEST[0:9], VIDEO1[0:9], VIDEO2[0:9]

Outputs: Y2[0:15], Y1[0:15]

TOWARDS DAUGHTER BOARD

CH2[0:9], CB_SYNC, CR_SYNC, Y2[0:15], CH_AXE2[0:9], Y_AXE2[0:11]

BF400 — ROTATIONS (rotation.sch)

Inputs: CB1[0:15], CR1[0:15], TEST[0:9], 2HR4[1], HR1[3], KEY_COMB[6], H[6:8], 2H[2:3], 2HR3[0:4], /H[3:4], CD_TEST[2:3], DATA1[0:15], CS[4:7], KEY_COMB[8]

Outputs: V_ROT1[0:9], V_ROT2[0:9], 2HR4, HR1, MODE_Y, H[6:8], 2H[0:1], 2HR3[0:4], /H[0:1], CD_TEST[0:1], DATA1[0:15], CS[0:3], DEF_SEL, CH2[0:9], Y_AXE2[0:11], Y1[0:15], DK1[0:10]

**GLOBAL_GND
**GLOBAL_+5V

BF900 — CALCULATION DISTANCE (distance.sch)

Inputs: COMMAND1[2], 2H[0], H_ASIC, CD_TEST[4:5], DATA2[0:11], AD1[0:4], CS[3], TEST[0:9], V_ROT1[0:9], V_ROT2[0:9]

Outputs: MUL_DIST1[0:9], MUL_DIST2[0:9]

BF1400 — KEY COMBINE (keycombine.sch)

Inputs: /HR1[1], /H[6], H[8], HR1[1], CS[19], DATA1[0:15], CD_TEST[6:7], TEST[0:9], MUL_DIST1[0:9], MUL_DIST2[0:9]

Outputs: KP1[0:9], INPUT_SEL[0:3], KEY_COMB[0:9], RES[0], RES[1], KP2[0:9]

BF2200 — BOX MASK GENERATOR (boxmas.sch)

Inputs: H[1:2], COMMAND1[0:5], DATA2[0:9], CS[1:8], GENEBOX[0:6]

Outputs: MASK2, MASK1

TOWARDS DAUGHTER BOARD

MASK2

BF1500 — NOISE SUPPRESSION (noise.sch)

Inputs: H[8], /H[5], CS[2], CD_TEST[8], CS[8:9], DATA2[0:11], AD1[0:5], CS[23], TEST[0:9], KP1[0:9], KD[0:9]

Outputs: H, /H, CS_FIL, CD_TEST, CS[0:1], DATA[0:11], AD[0:5], CS_MIN

BF1800 — KEY COMPOSE AND FILTER (keycomp.sch)

Inputs: WIPE[0:10], 2HR2, 2HR4[2], H[9], /H[5], KEY_COMB[3], CD_TEST[9], DATA2[0:9], AD1[0:6], CS[1], CS[0], WIPE_PHAS[1], WIPE_PHAS[0], TEST[0:9], KD[0:9]

Outputs: WIPE[0:10], 2HR2, 2HR4, H, /H, KEY_INV, CD_TEST, DATA[0:9], AD[0:6], CS_FIL, CS_MASK, RRES, WRES, MASK, CK[0:10]

BF2300 — KEY OUTPUTS (keydel.sch)

Inputs: CK1[0:10], CK2[0:10], /H[0:2], H[3], CD_TEST[10:13], INPUT_SEL[0:3], KEY_COMB[0:9], TEST[0:9], CK_SHAD1[0:10], CK_SHAD2[0:10], CK_SHAD3[0:10], CK_SHAD20[0:10], CK_SHAD30[0:10]

Outputs: CHRO_KEY1[0:10], CHRO_KEY2[0:10], CHRO_MUL[0:10], CHRO_DSK[0:10], CK_SHAD1[0:10], CK_SHAD2[0:10], CK_SHAD3[0:10]

TO CONNECTOR P10

TOWARDS DAUGHTER BOARD

CK_SHAD20[0:10], CK_SHAD30[0:10]

BF2700 — CLOCK AND PHASING SIGNALS DISTRIBUTION (clock.sch)

Inputs: CLOCK[0:5], COMMAND[0:5], DATA2[0:7], CS[20]

Outputs: RESET_CL, 2HF, 2HR, 2HR1, 2HR2, /HR1[0:3], H_ASIC, H/2, /H/2, 2HR3[0:4], 2HR4[0:2], 2H[0:5], H[0:9], /H[0:6], HR1[0:3], COMMAND1[0:5], GENEBOX[0:6], WIPE_PHAS[0:2], PHAS[0:1]

**GLOBAL_-5.2V

BF2900 — COMMUNICATION MICROPROCESSOR (comumicro.sch)

Inputs: CLKMP, MP_CONTROL[1], COMMAND1[0:5], DATA[0:7], AD[0:10], CS[0], /ACFAIL

Outputs: R/W, R/W_MP, COMMAND1[0:5], DATA[0:7], AD[0:10], CS, /ACFAIL, LINK_OPT[0:7]

BF3100 — MICROPROCESSOR INTERFACE (micropr.sch)

Inputs: DATAMP[0:15], AD[0:11], CTRLBUS[0:6]

Outputs: CD_TEST[0:13], DATA[0:15], DATA1[0:15], DATA2[0:11], AD1[0:11], CS[0:23], CLKMP, MP_CONTROL[0:4]

THOMSON	TTV9200					
	TITLE: CHROMA KEY BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	01/30		

NODE NAME: 3b967993a1 SCHEMATIC NAME: topchromakey SHEET NUMBER: 1 DATE: Jan 26, 1995

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SECOND LEVEL XILINX PROMS

HORIZONTAL ROTATION = Z500

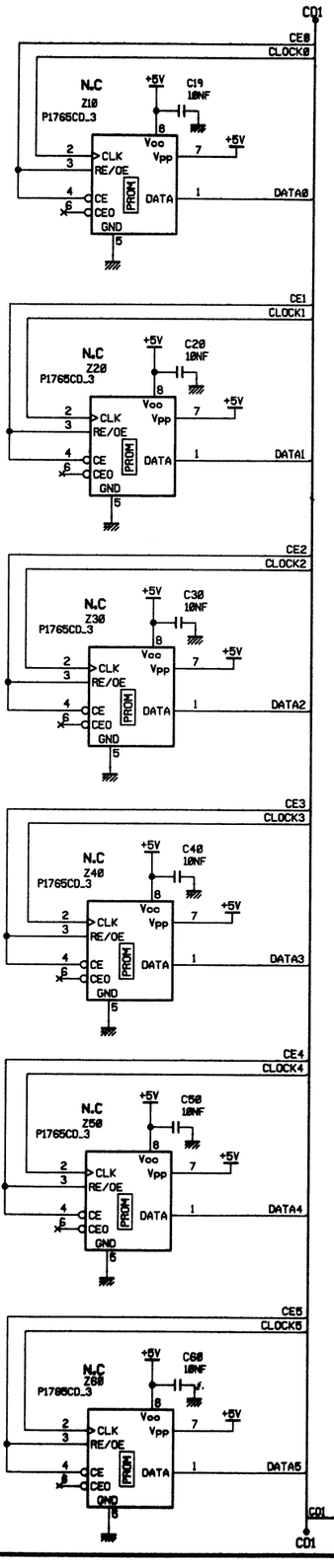
VERTICAL ROTATION = Z620

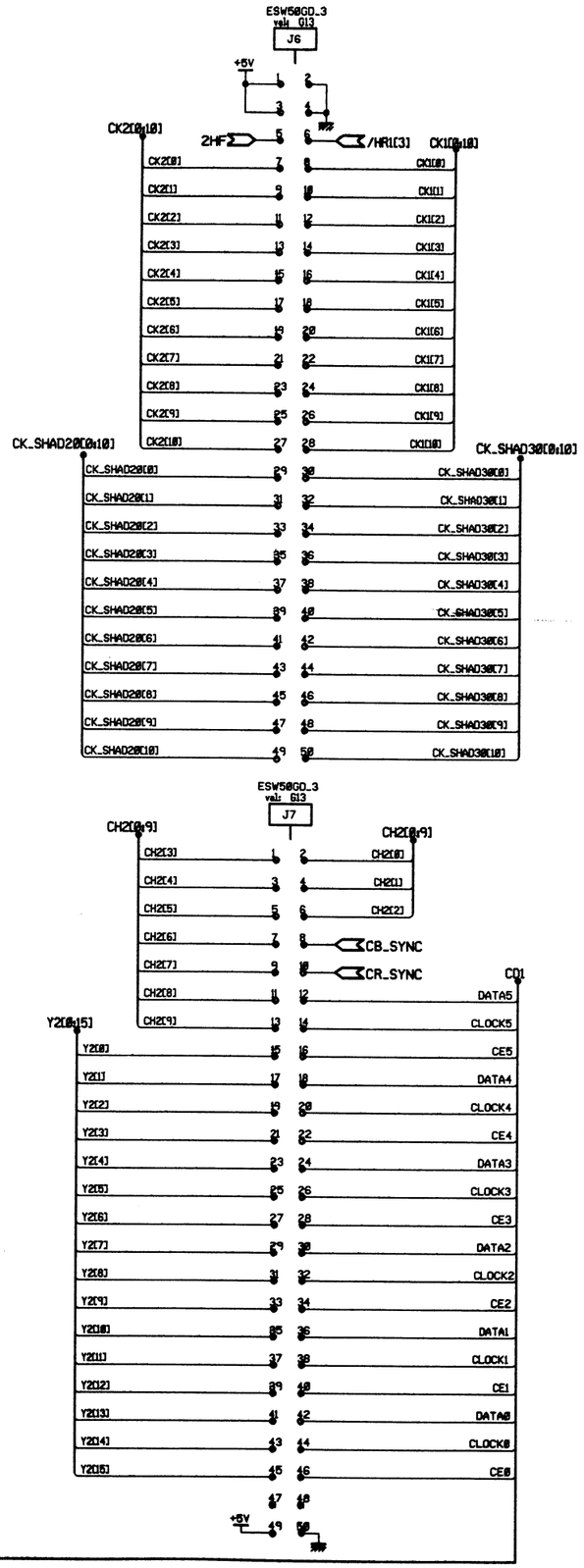
DEFRANGING KEY AND LUMINANCE = Z850

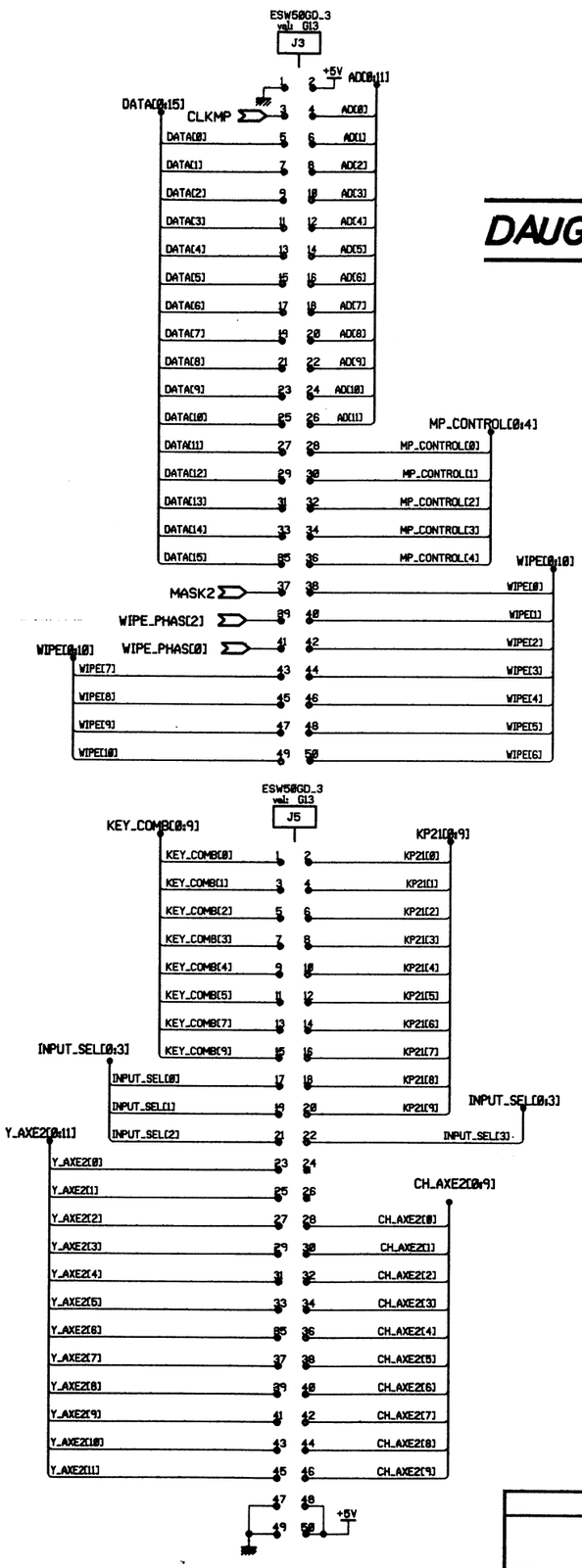
NOISE SUPPRESSION = Z1560

MASK AND FILTER DEMUX = Z1890

DEFRANGING KEY CONDITIONNING = Z2340







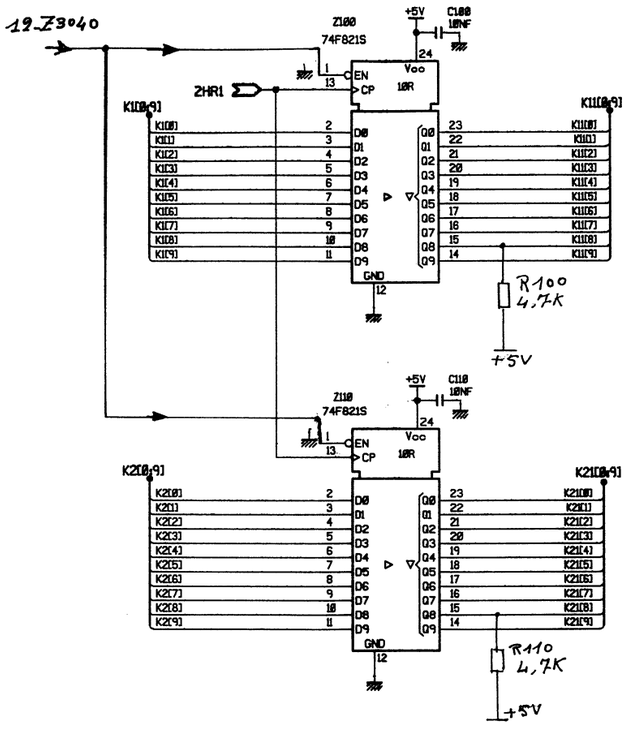
DAUGHTER BOARD

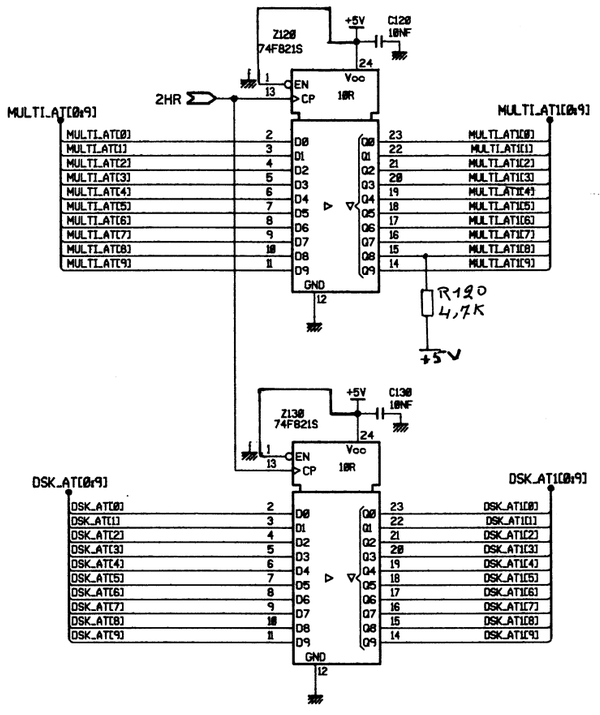
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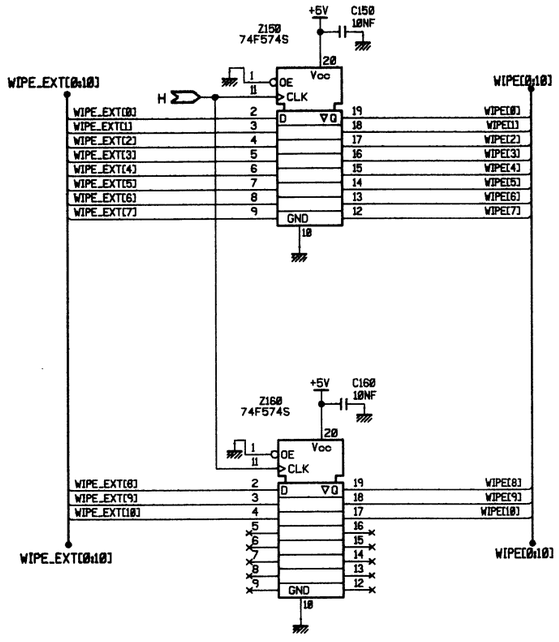
	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	03/30		

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VIDEO AND KEY RECLOCKING







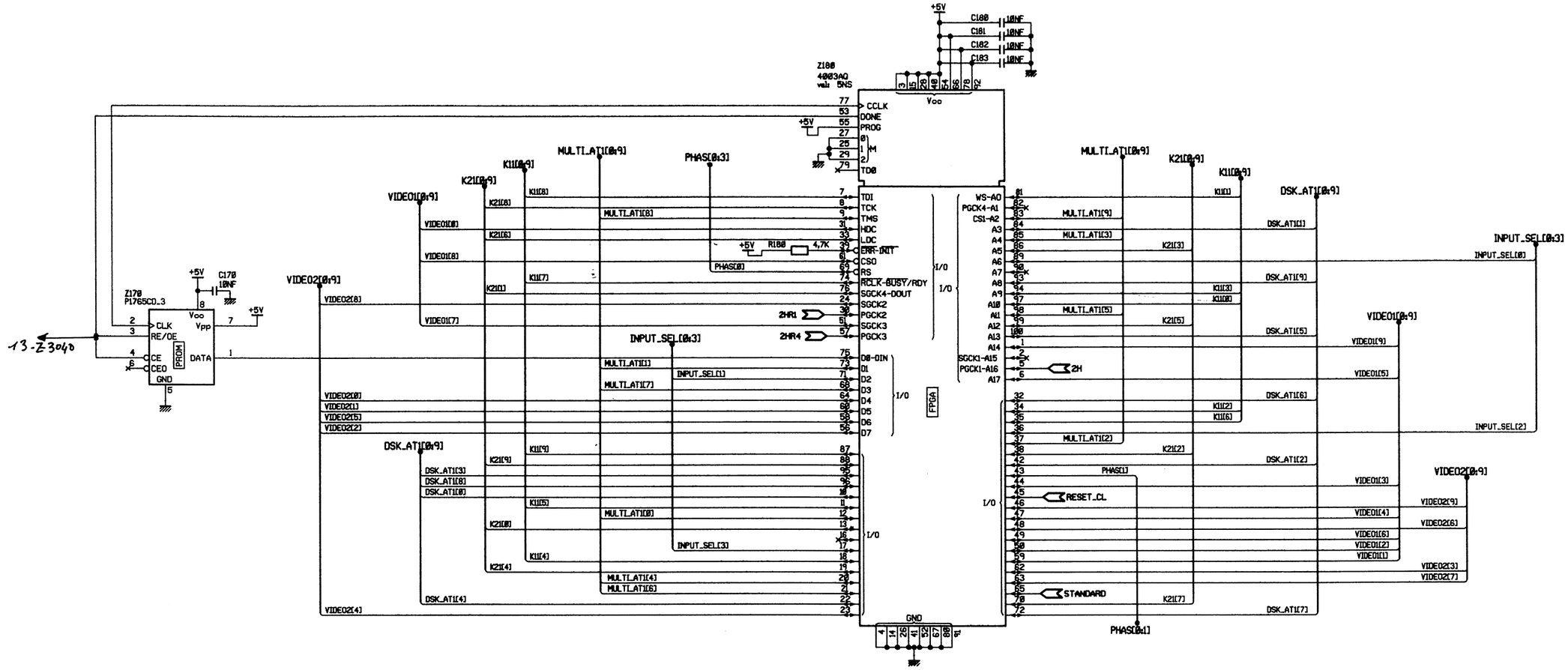
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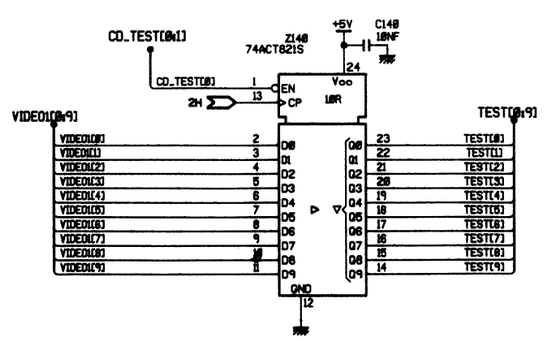
VIDEO SELECTION

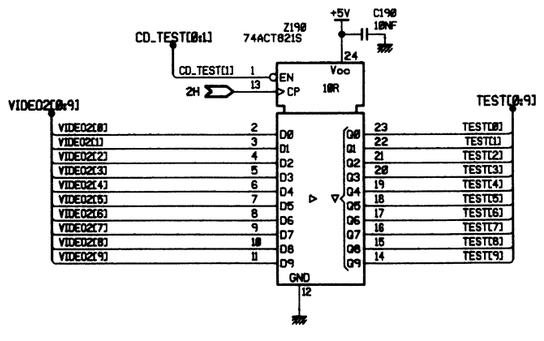
	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	C	Ø3Ø	Ø4/3Ø	BF1ØØ	

NODE NAME: 3b967993a5 SCHEMATIC NAME: video.sch SHEET NUMBER: 1 DATE: Jan 24, 1995

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VIDEO SELECTION

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO: 3B967993	REV: C	CODE: 030	SHEET: 05/30	BLOCK: BF100	

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SECOND KEY CHROMINANCE COMPONANTS

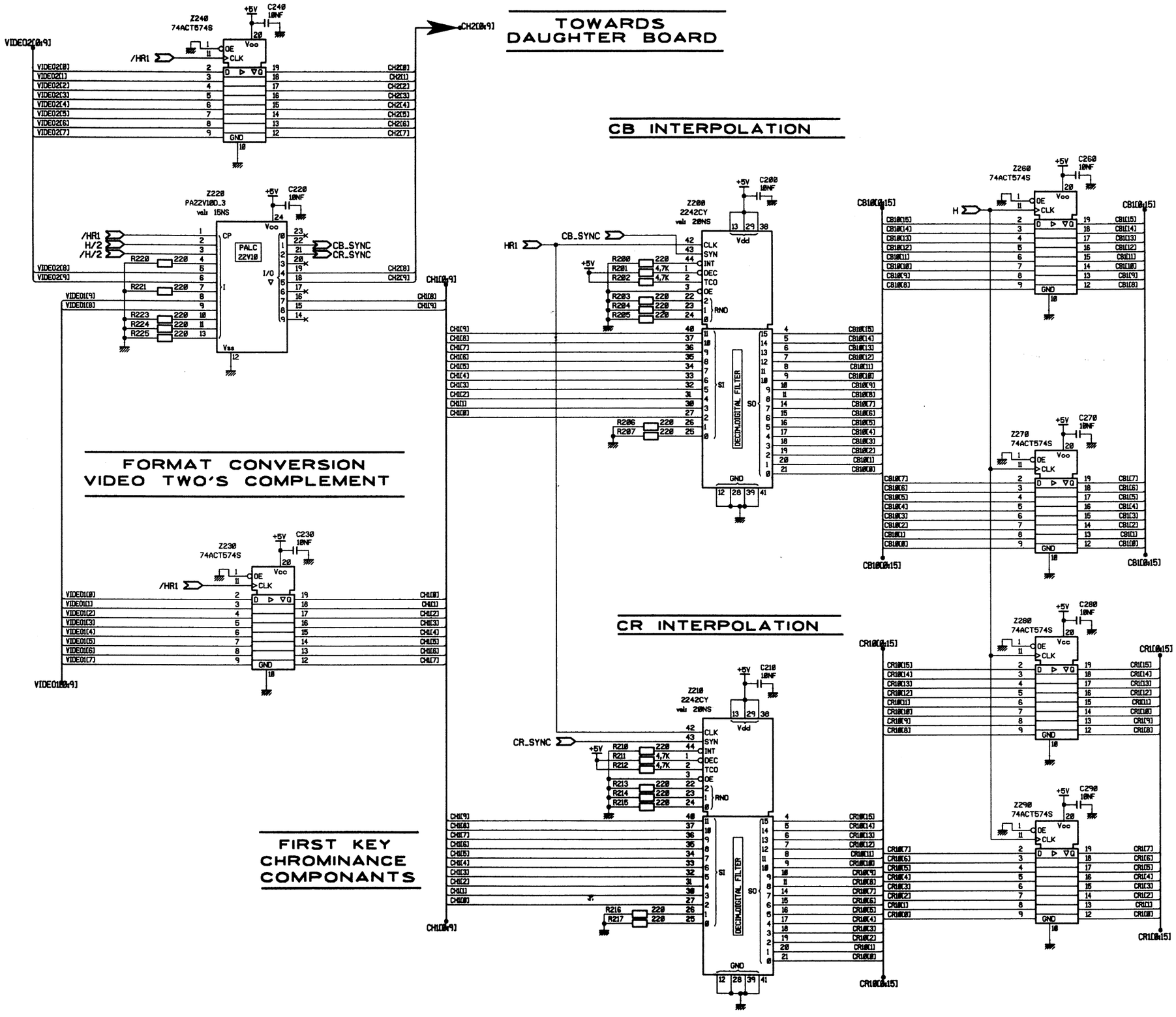
TOWARDS DAUGHTER BOARD

CB INTERPOLATION

FORMAT CONVERSION VIDEO TWO'S COMPLEMENT

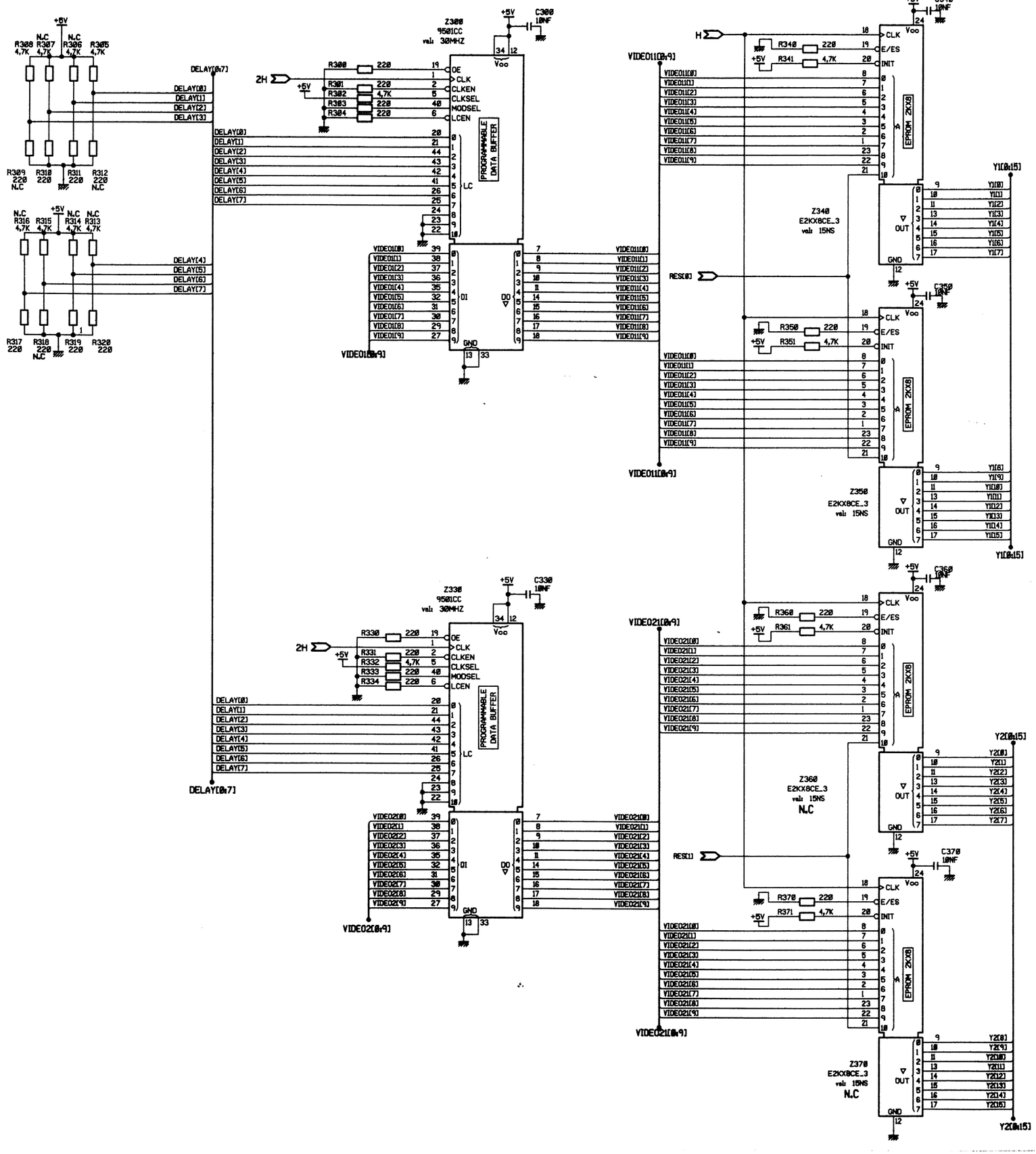
CR INTERPOLATION

FIRST KEY CHROMINANCE COMPONANTS



CHROMINANCE INTERPOLATION

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	06/30	BF200	



FIRST KEY
LUMINANCE COMPOSANTS
TRANSLATION

SECOND KEY
LUMINANCE COMPOSANTS
TRANSLATION

TOWARDS
DAUGHTER BOARD

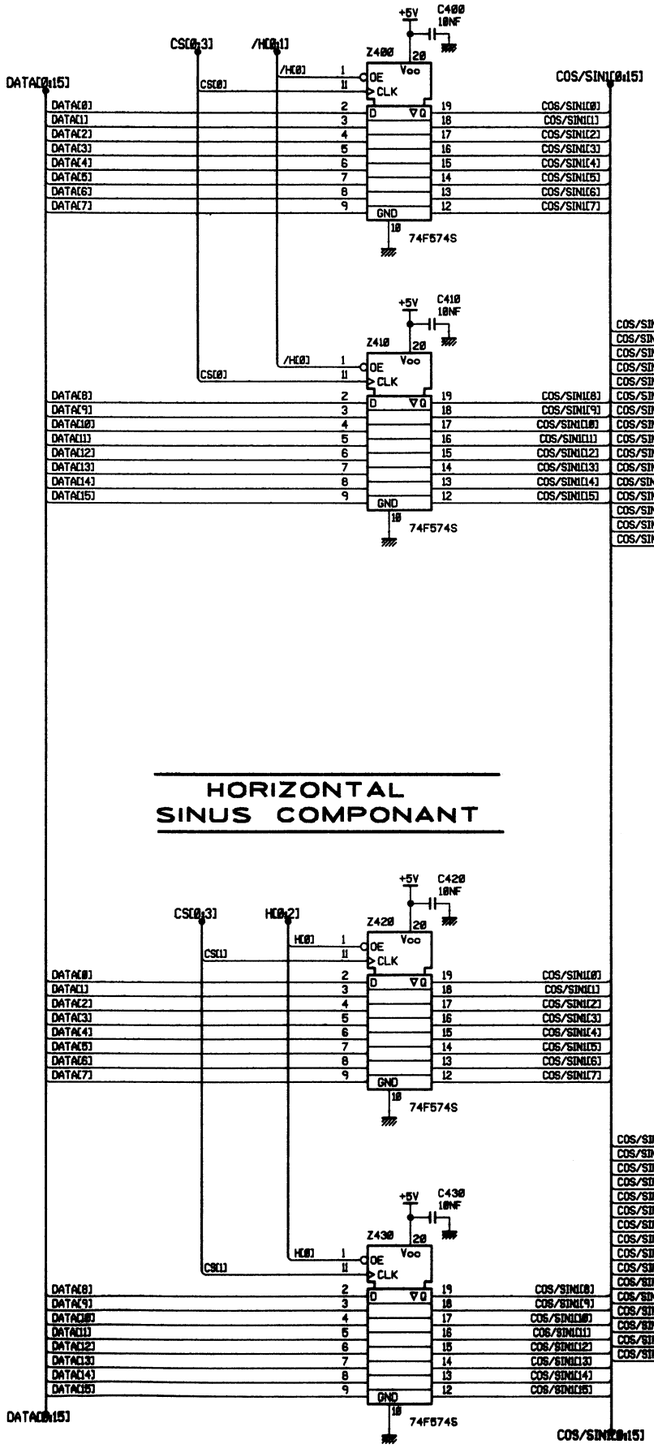
LUMINANCE CHANNEL DELAY

						TTV9200
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET		BLOCK
	3B967993	A	030	07/30		BF300

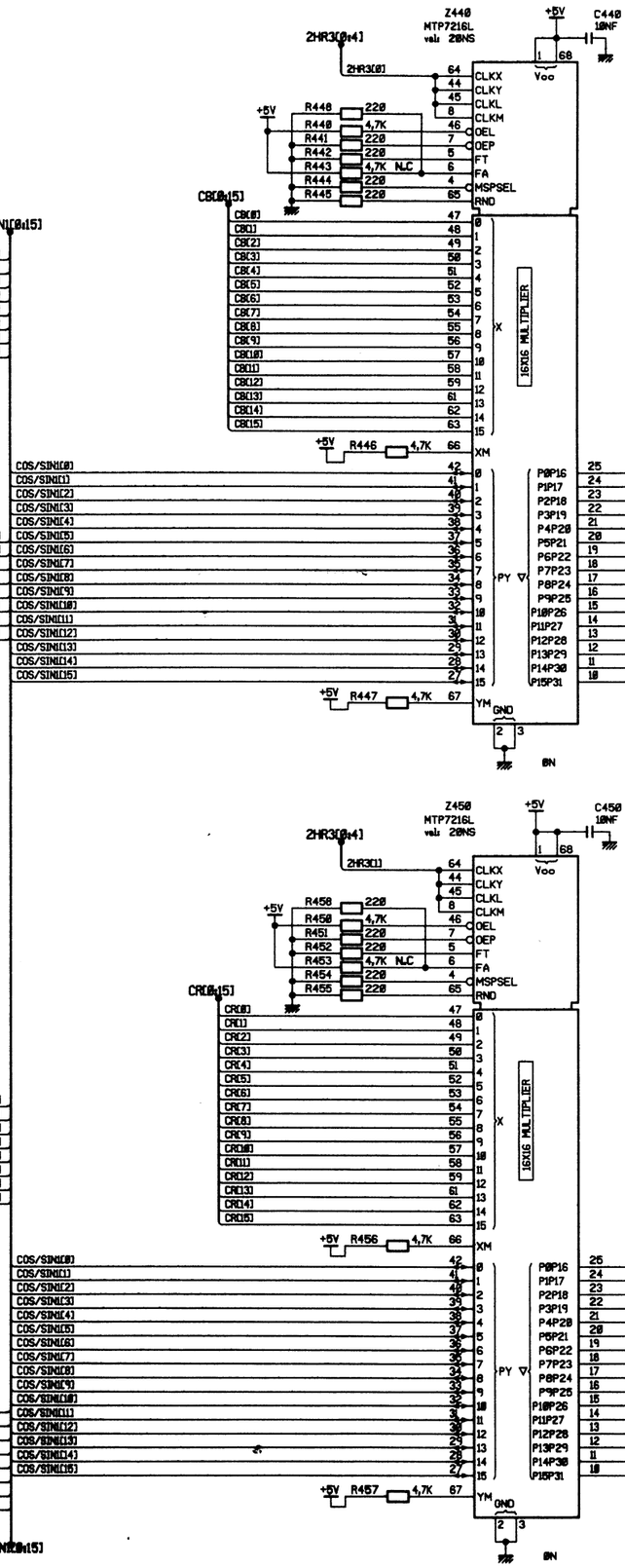
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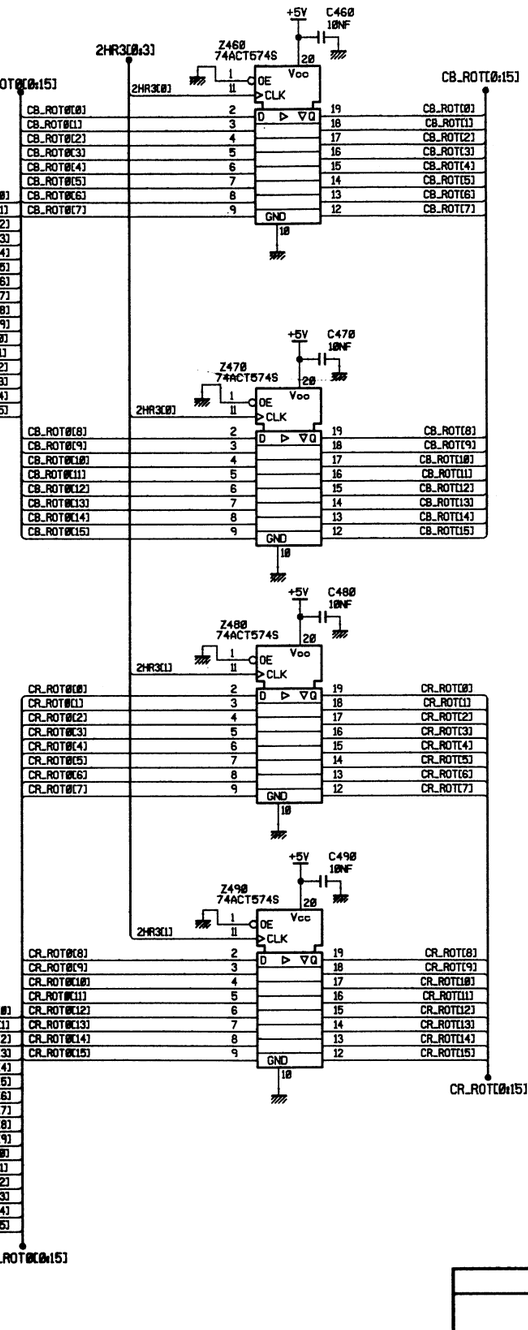
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HORIZONTAL COSINUS COMPONANT



HORIZONTAL SINUS COMPONANT



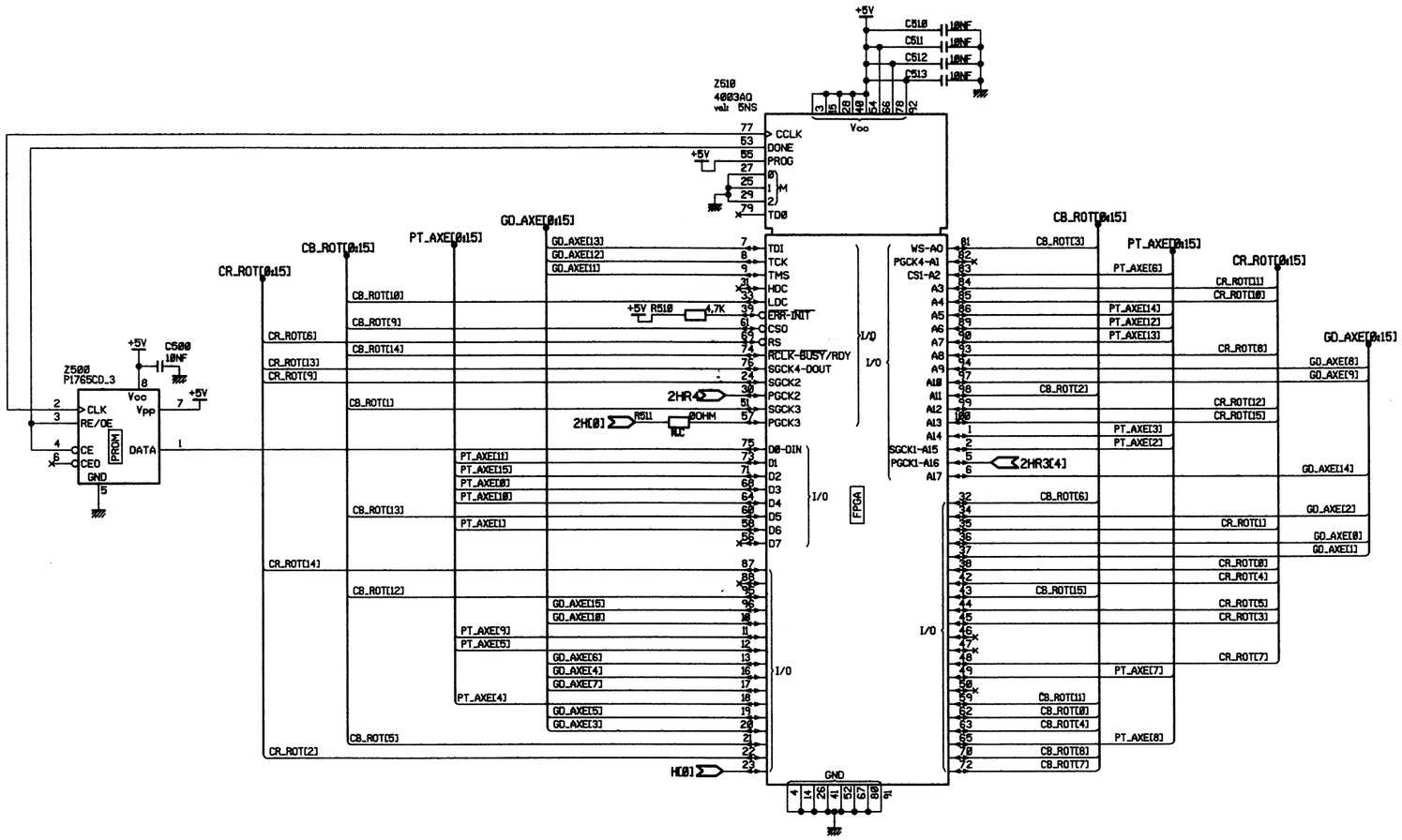


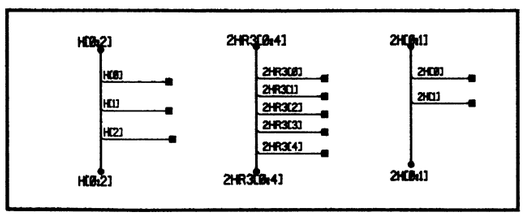
ROTATIONS

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	08/30	BF400	

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HORIZONTAL ROTATION





ROTATIONS

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3A967993	A	030	09/30	BF400	

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VERTICAL COSINUS COMPONANT

VERTICAL SINUS COMPONANT

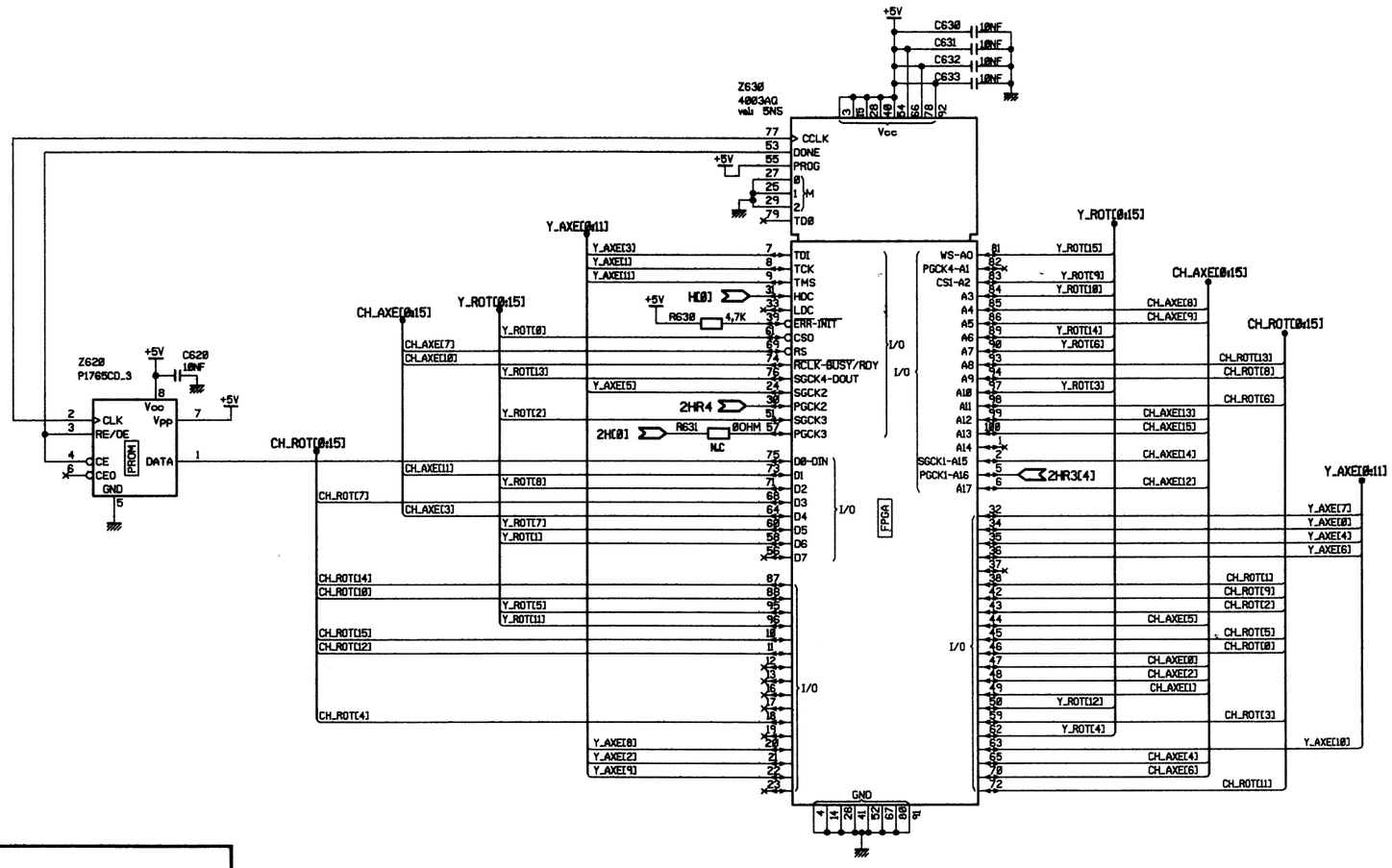
ROTATIONS

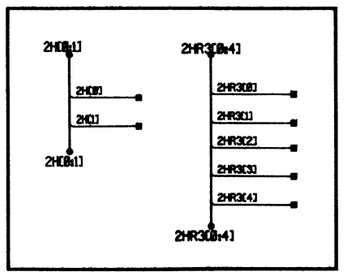
	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO: 3A967993	REV: A	CODE: 030	SHEET: 18/30	BLOCK: BF400	

NODE NAME: 3a967993a12 SCHEMATIC NAME: rotation.sch SHEET NUMBER: 3 DATE: Jan 24, 1995

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VERTICAL ROTATION



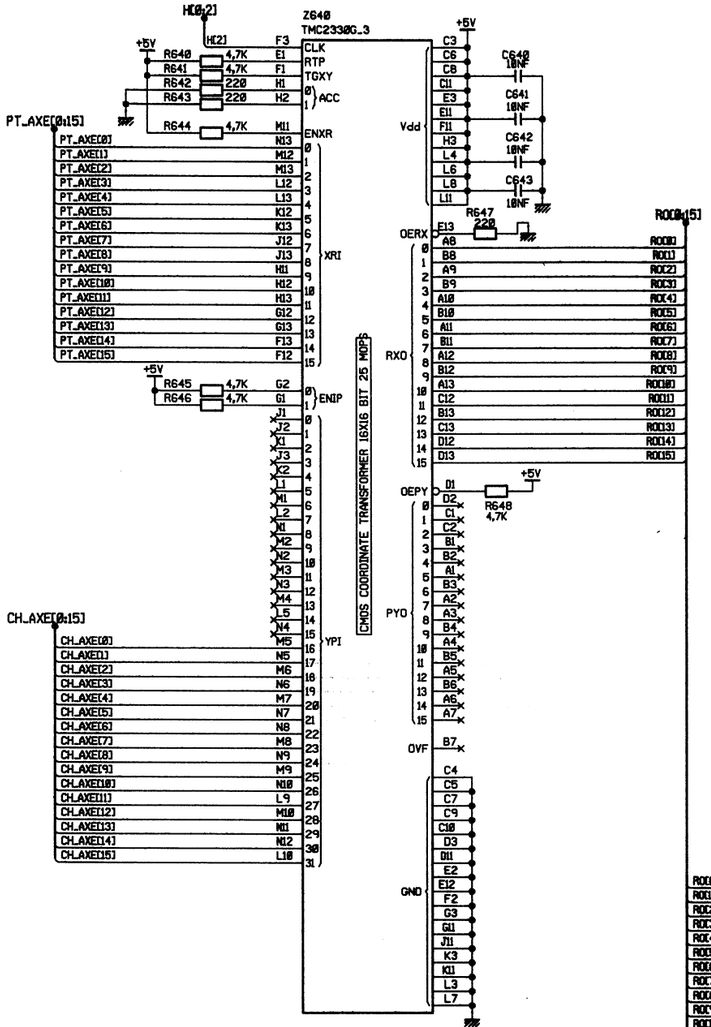


ROTATIONS

						TTV9200
	TITLE CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	11/30	BF400	

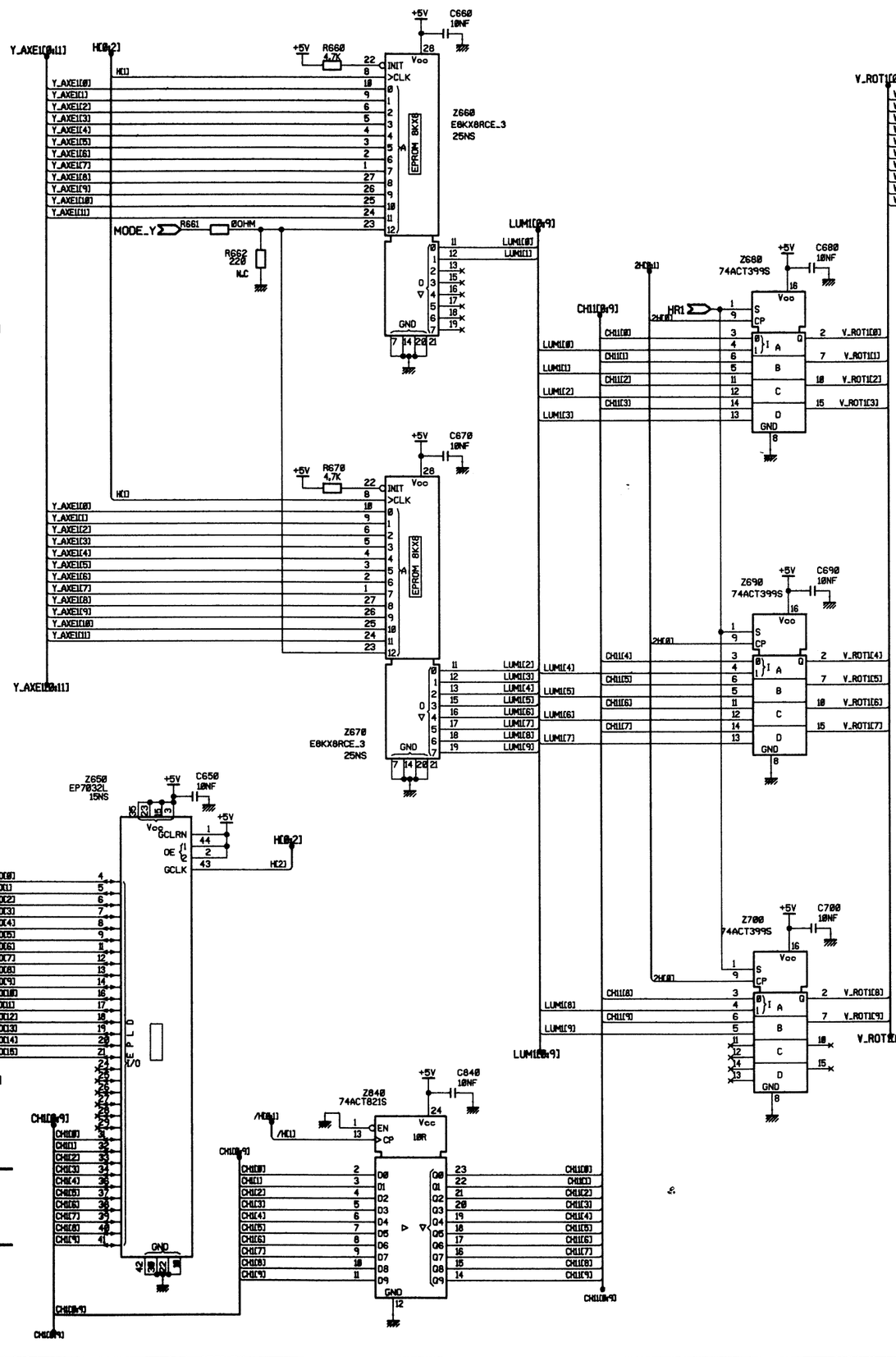
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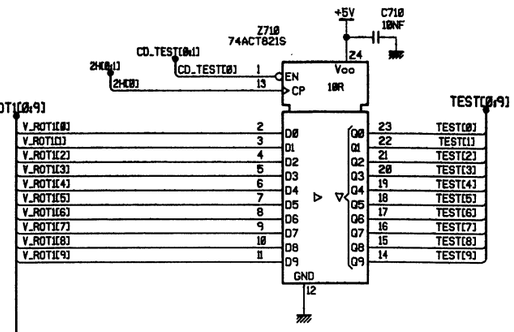
CIRCULAR DISTANCE



CHROMINANCE DISTANCE LIMITATION

FIRST LEVEL LUMINANCE TRANSLATION



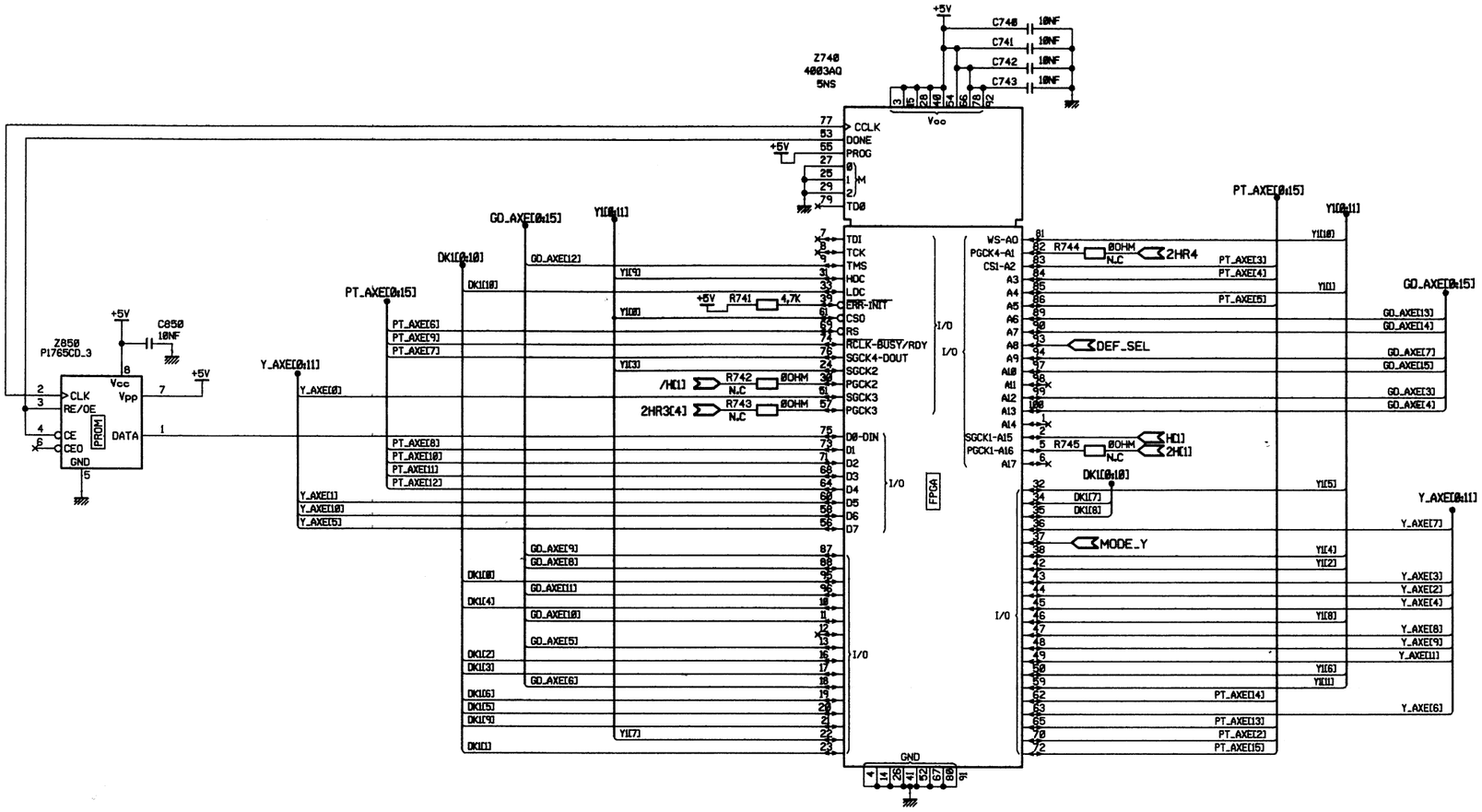


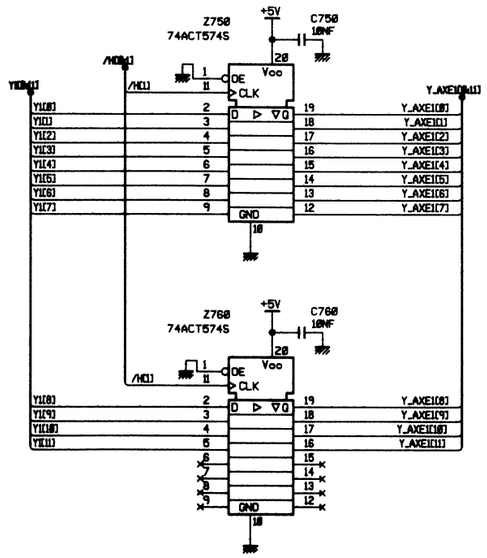
ROTATIONS

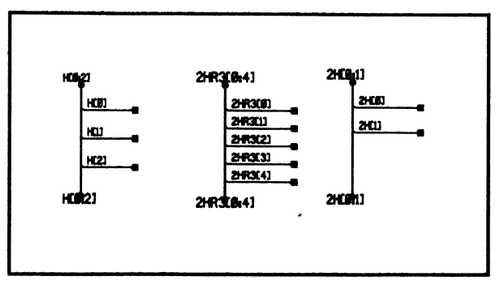
	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	12/30	BF400	

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DEFRANGING KEY AND LUMINANCE MODE







ROTATIONS

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	Ø3Ø	13/3Ø	BF4ØØ	

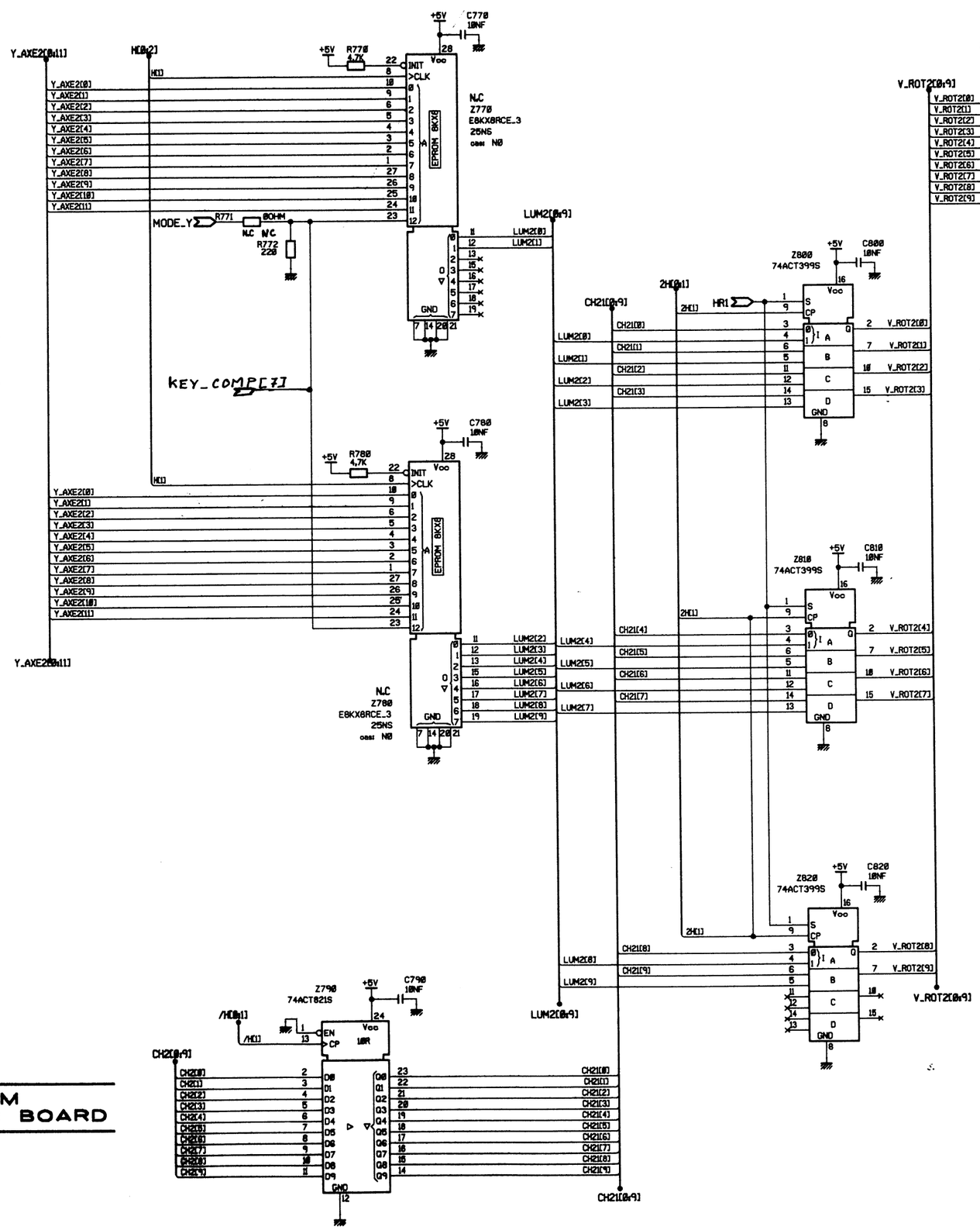
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SECOND LEVEL LUMINANCE DISTANCE TRANSLATION

FROM DAUGHTER BOARD

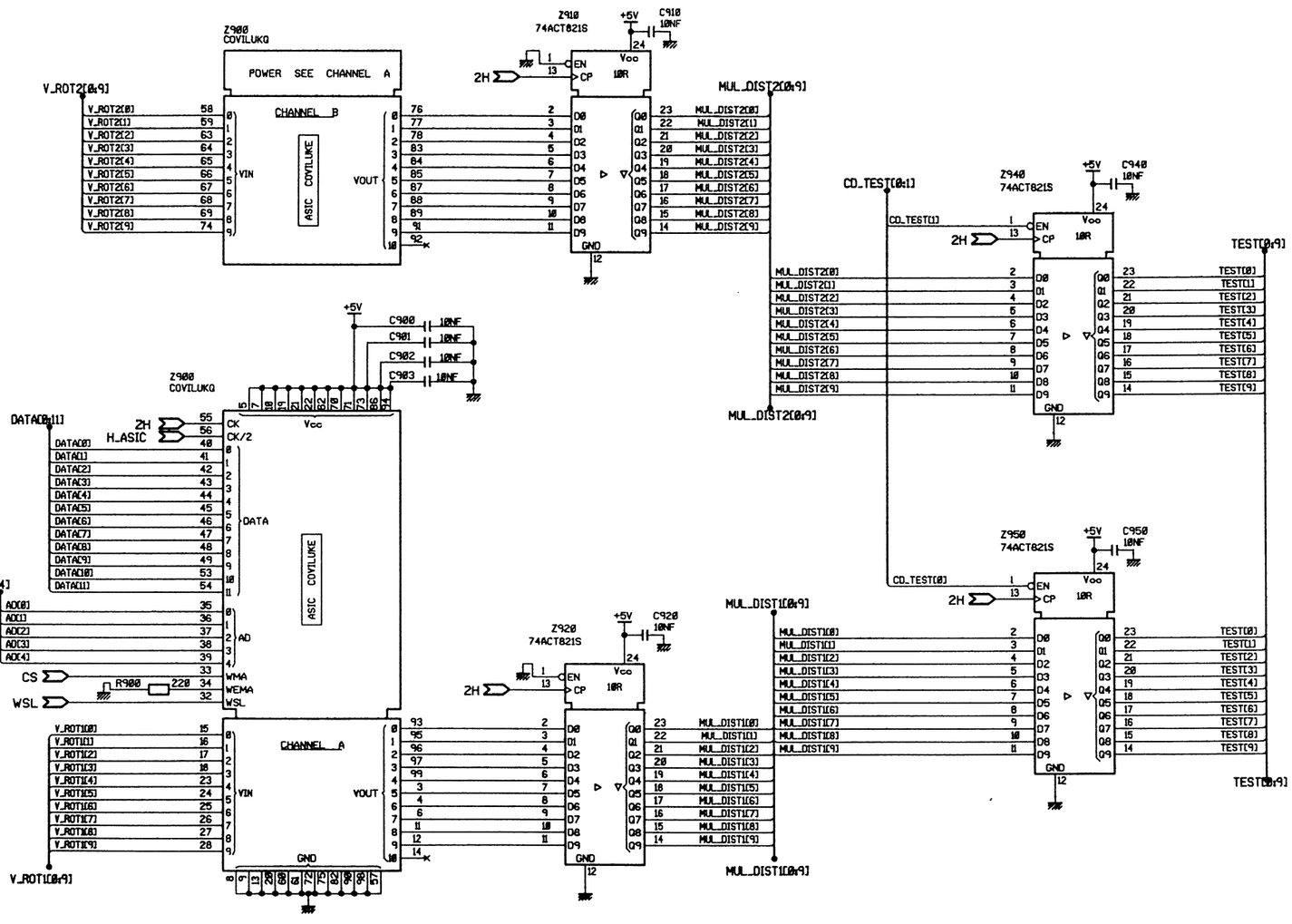
FROM DAUGHTER BOARD



ROTATIONS

	TTV920(					
	TITLE CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	B	030	14/38	BF400	

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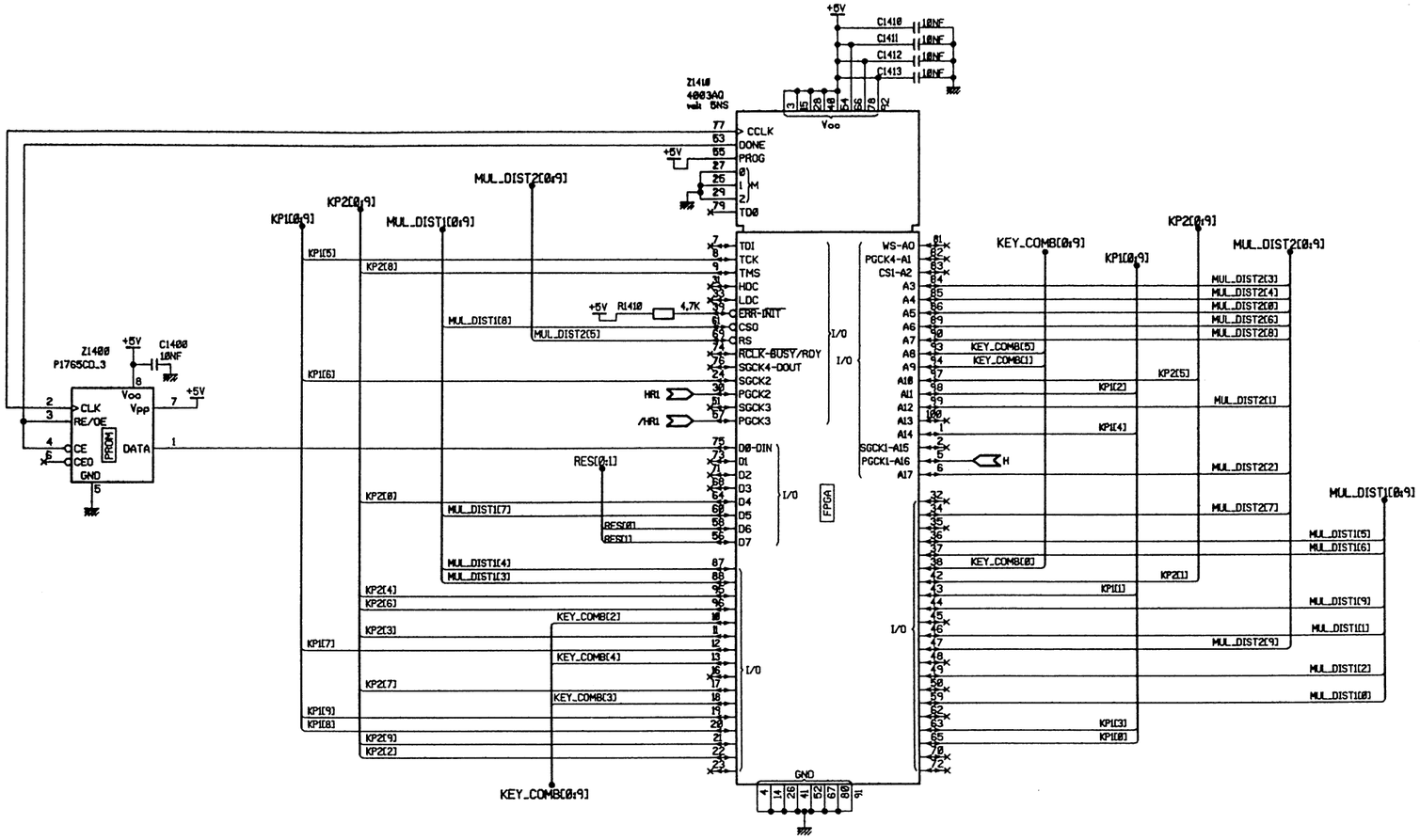


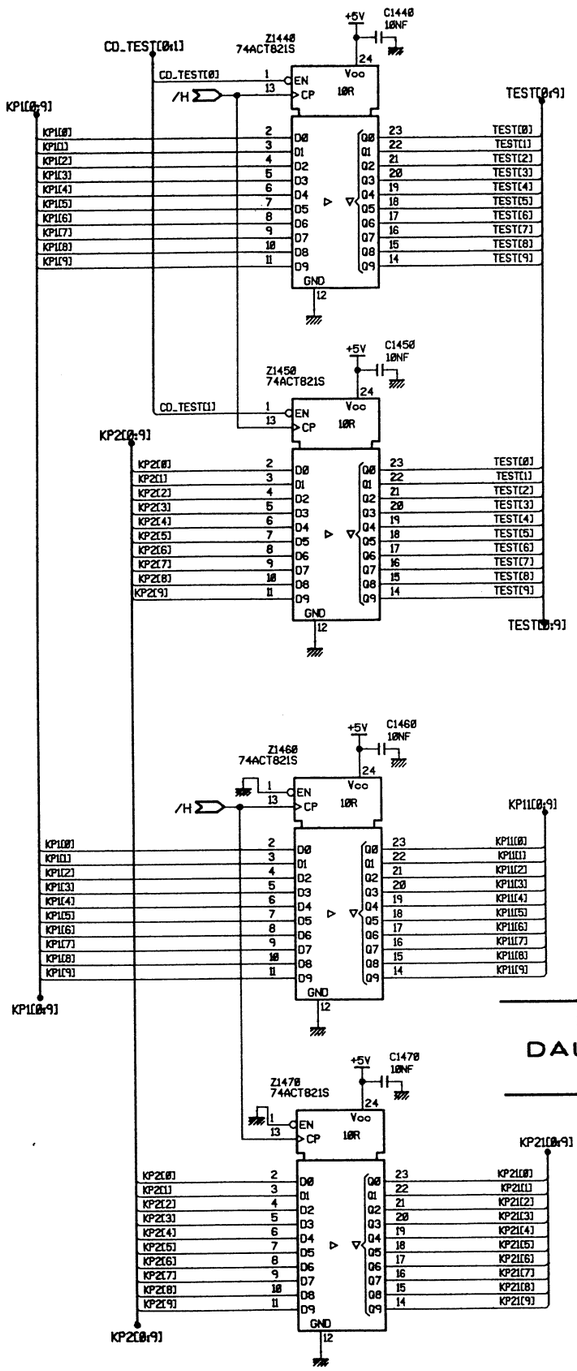
DISTANCE CALCULATION

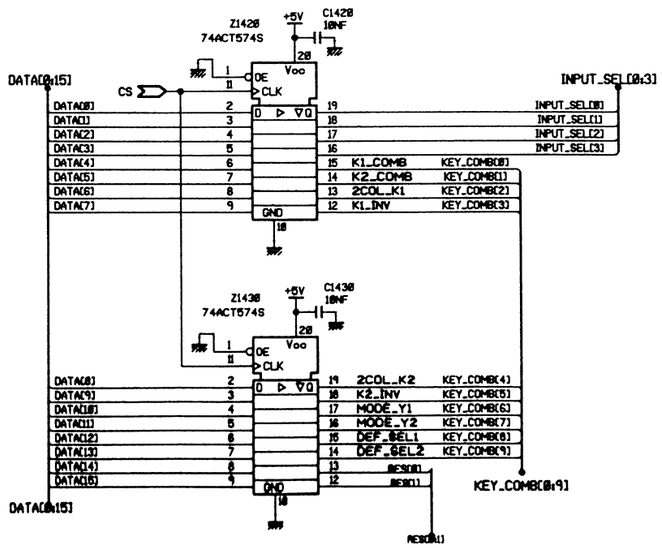
	TTV920e					
	TITLE CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	15/30	BF900	

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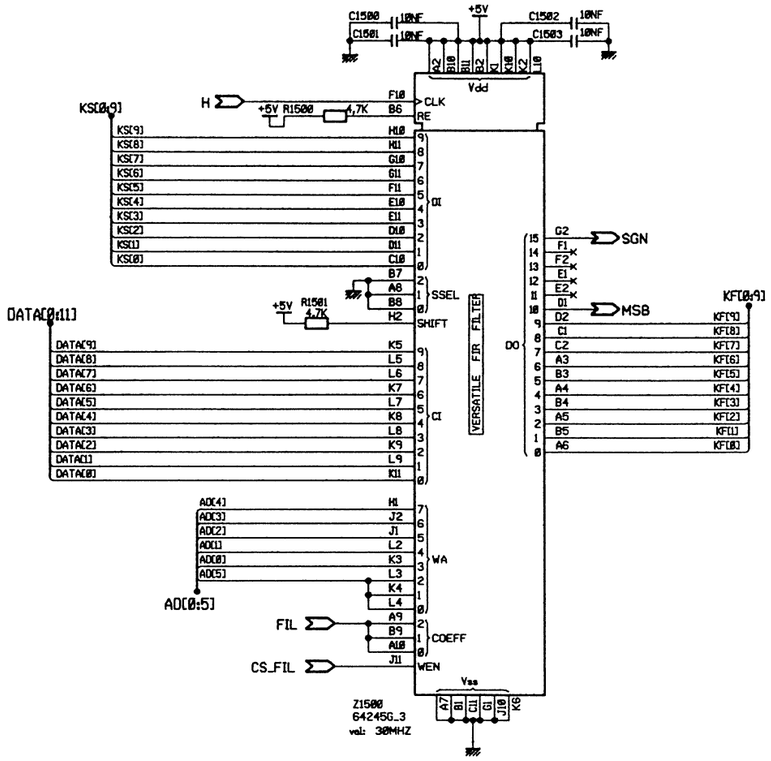




FROM DAUGHTER BOARD

KEY COMBINE

	TTV920					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOC	
	3B967993	A	030	16/30	BF140	

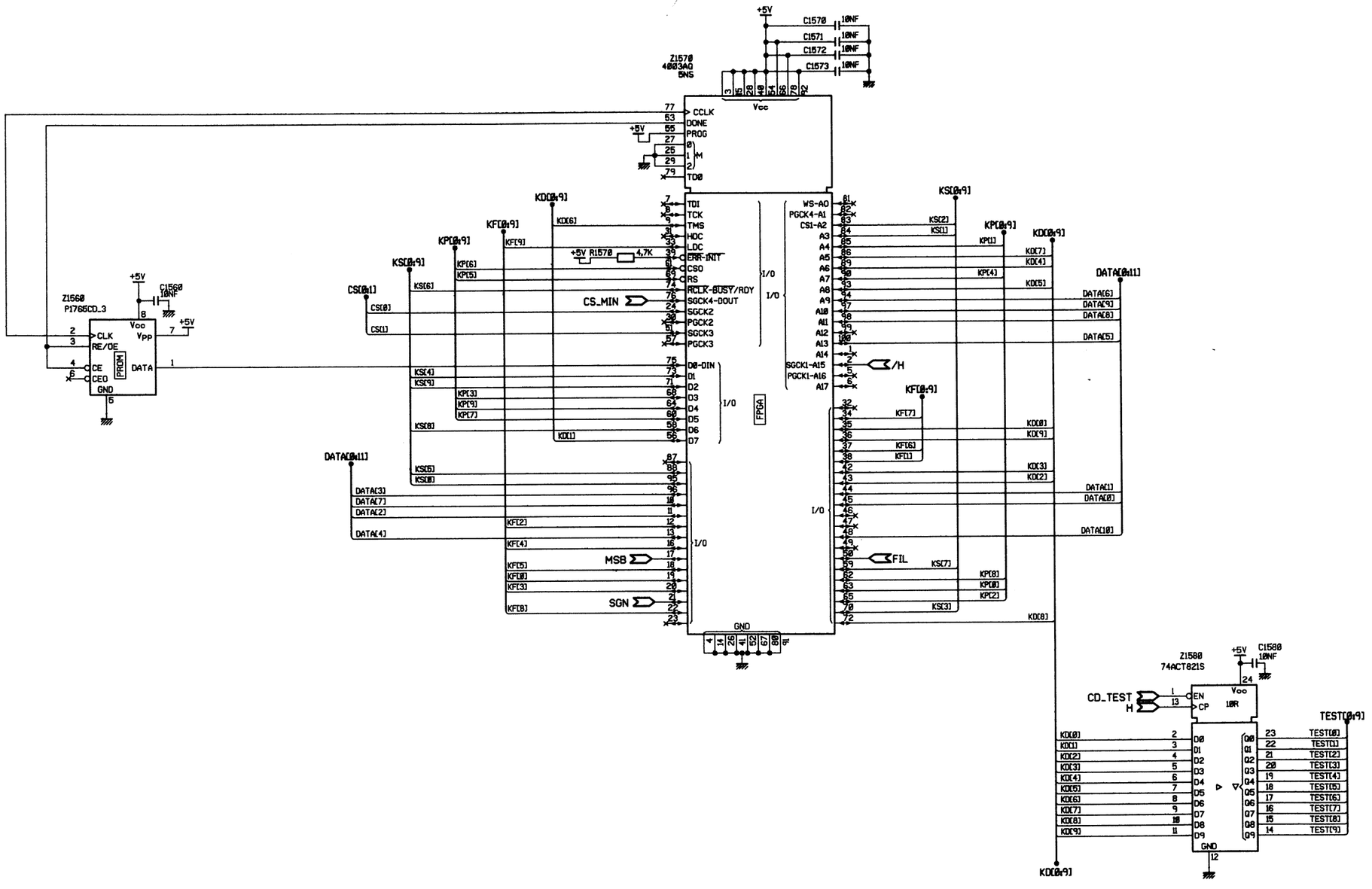


NOISE SUPPRESSION

	TTV920e					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	17/30	BF1500	

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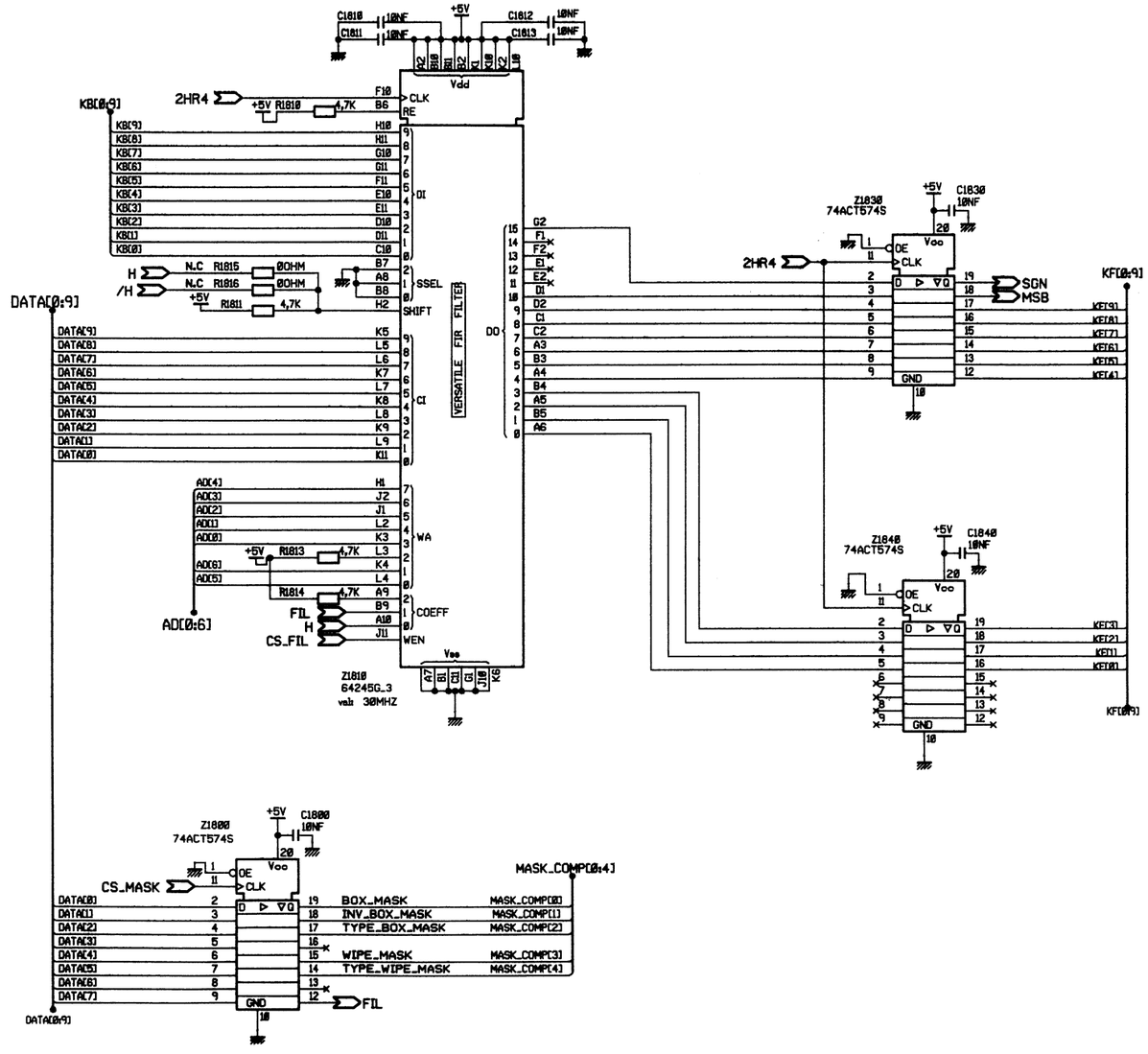
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NOISE SUPPRESSION

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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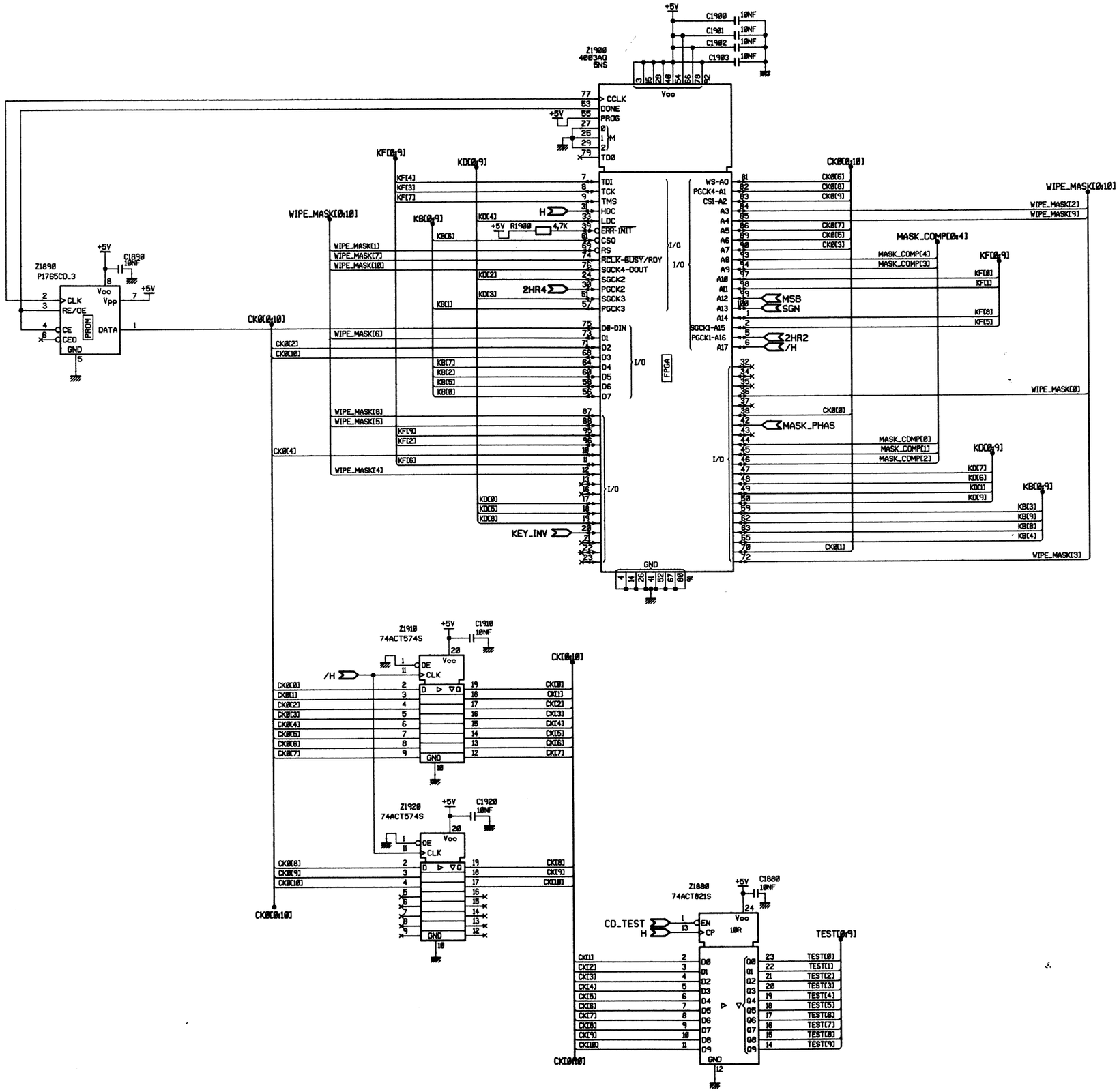
RIGHT AND LEFT FILTERS MULTPLEX



KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	Ø3Ø	19/38	BF1800	

MASK AND FILTER DEMUX

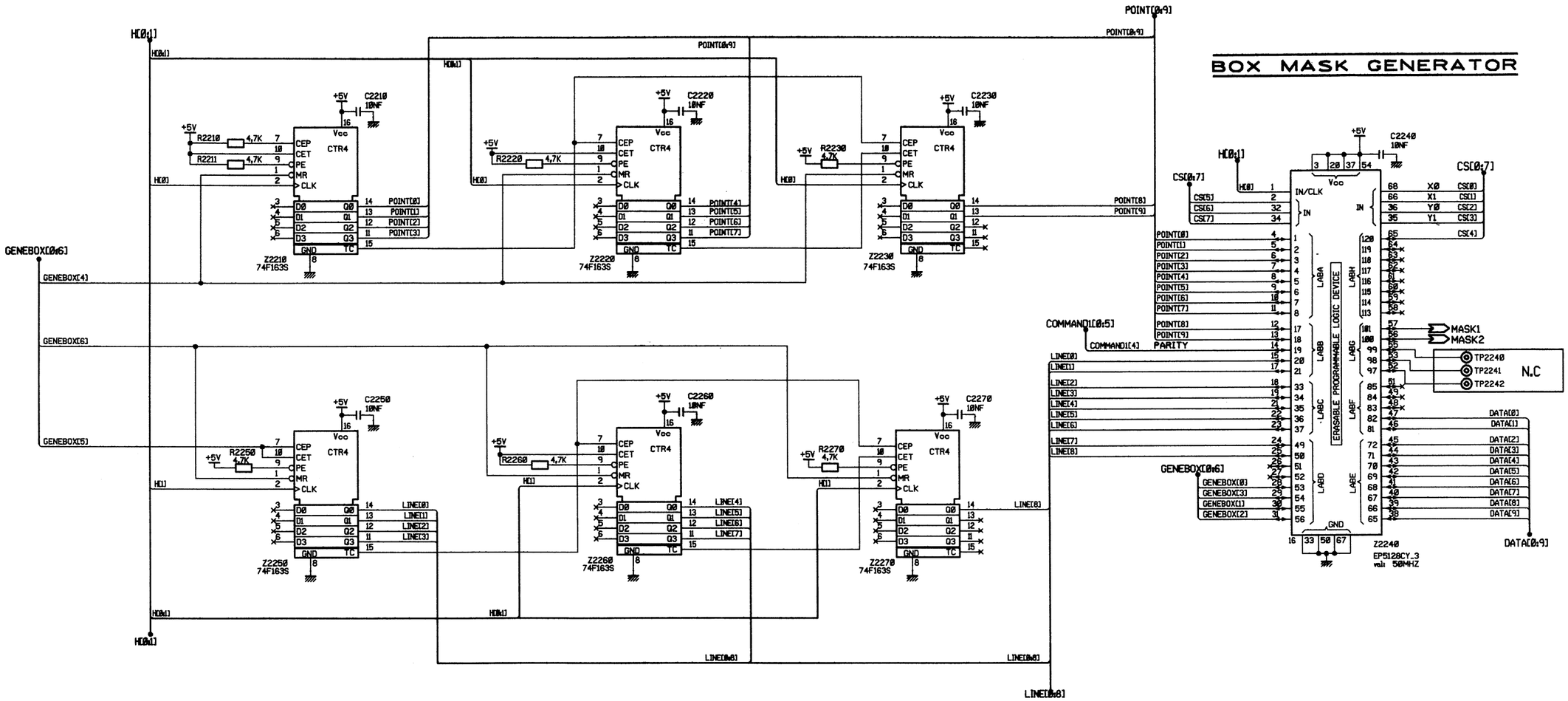


KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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BOX MASK GENERATOR



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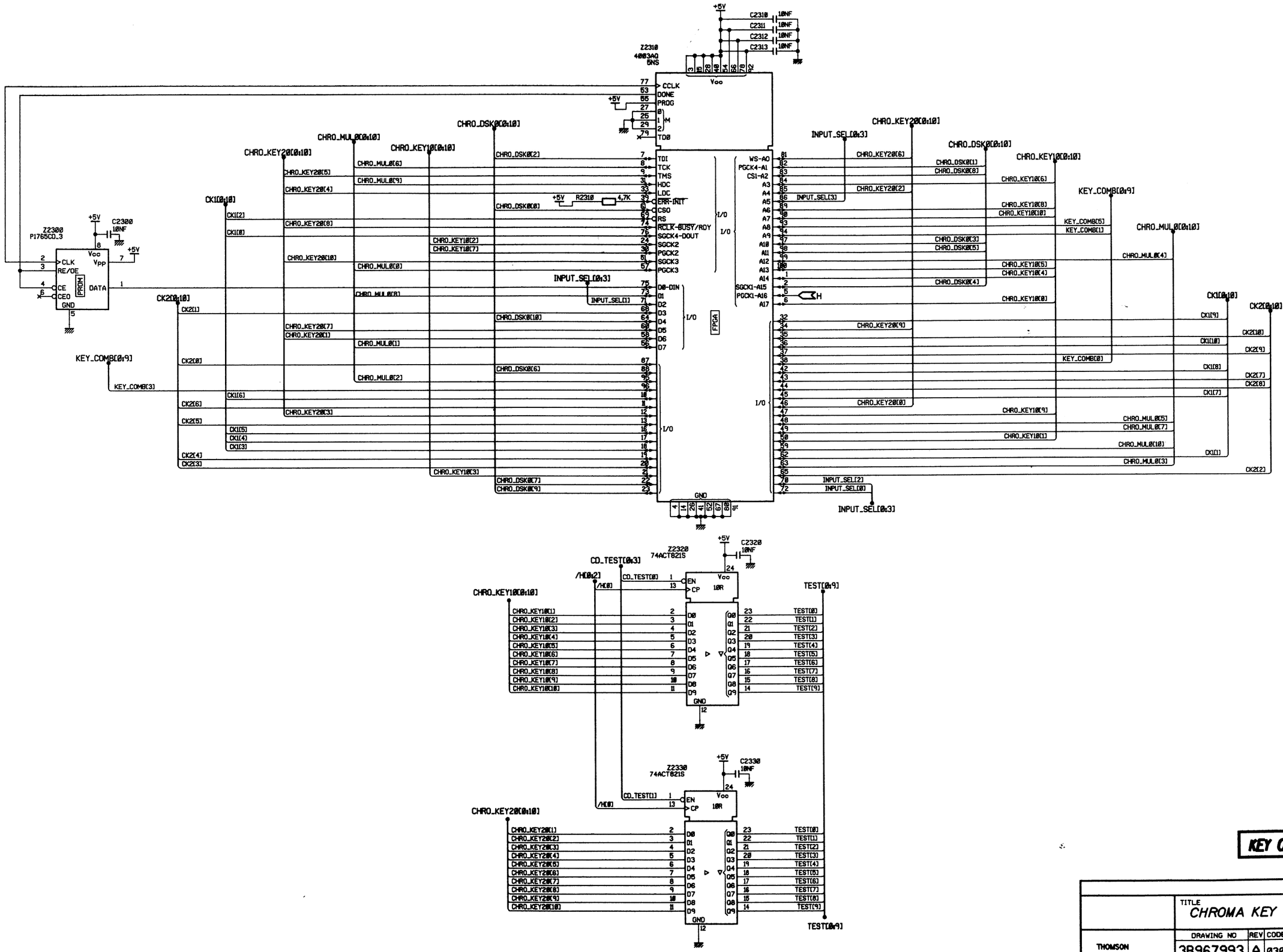
BOX MASK GENERATOR

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	21/30	BF2200	

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OUTPUT KEYS SELECTION

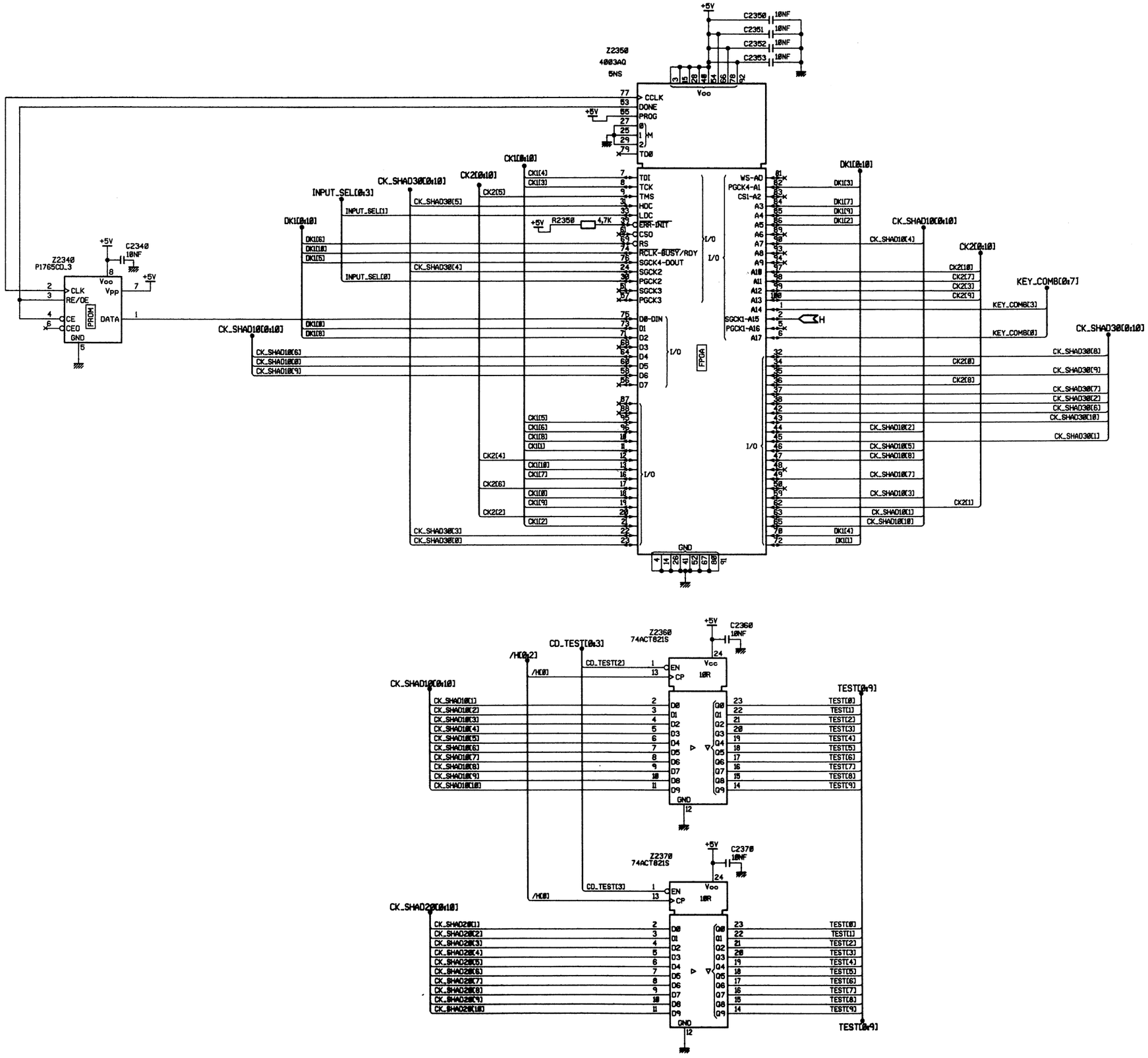


KEY OUTPUT

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	22/30	BF230	

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DEFRANGING KEY CONDITIONNING



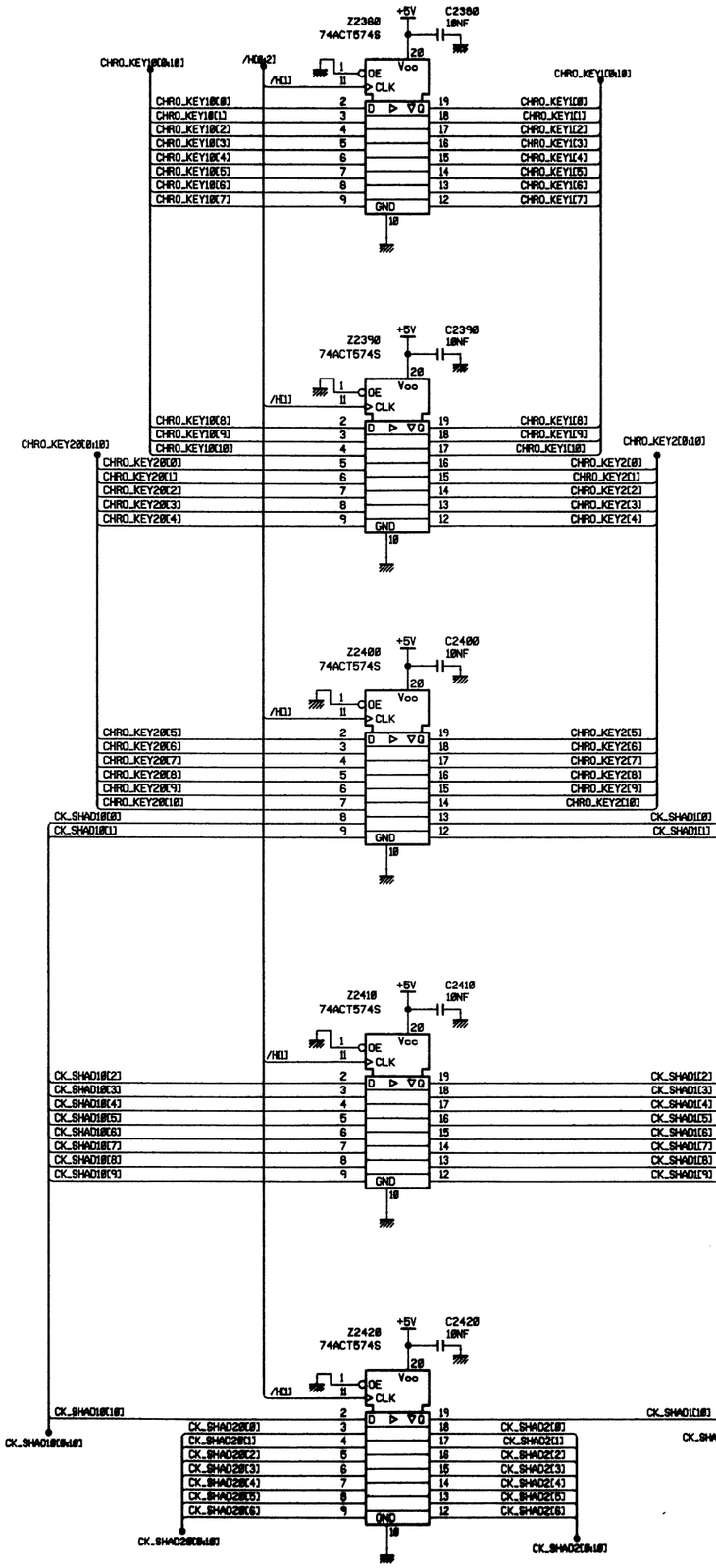
KEY OUTPUT

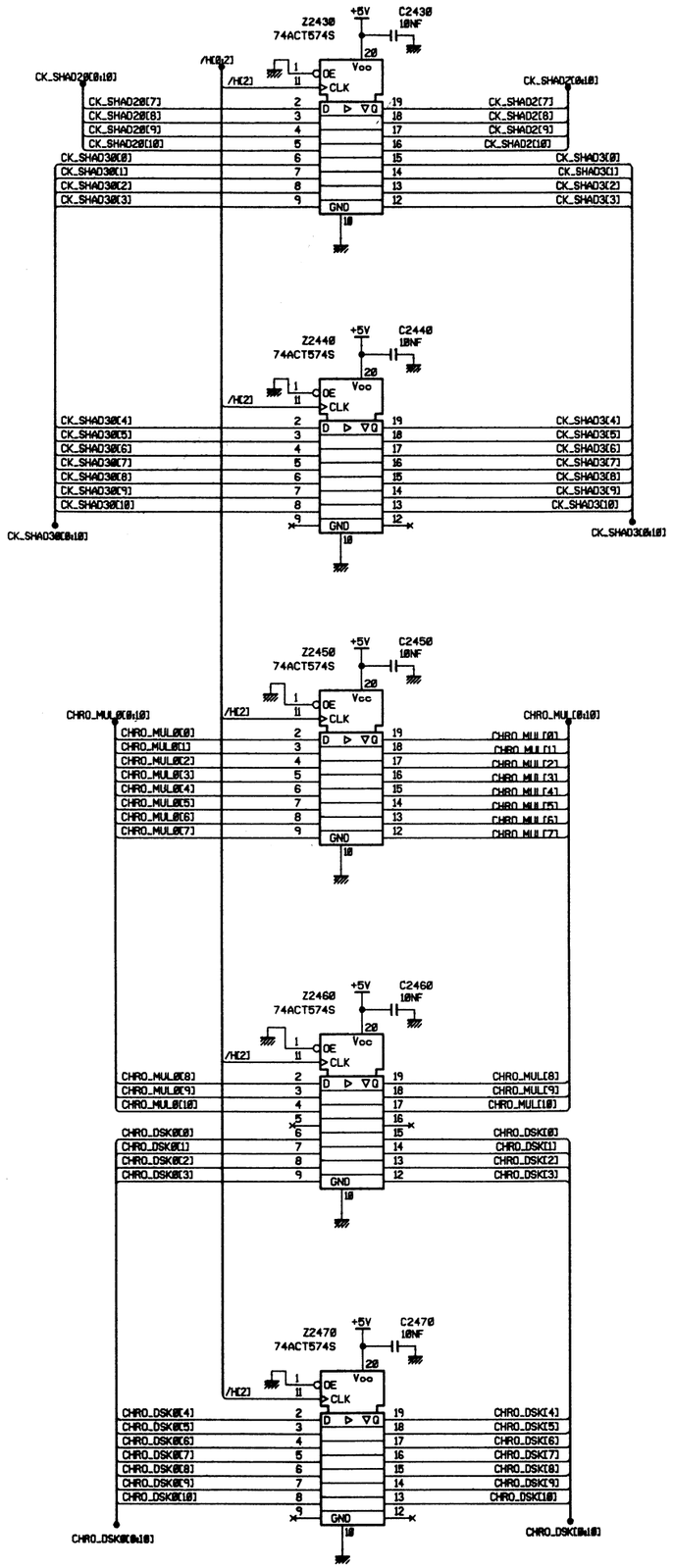
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	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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KEY OUTPUT

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	24/30	BF2300	

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+/- 2,5 NS PHASING WITH 2H ROUTING BOARD CLOCK

CLOCK[0:5]

2HF

DL2700 DPAS14X3..3 50NS

DL2690 DPAS14X3..3 50NS

PT2600

2H

2HR

2HR2

2HR1

2HR4[0:2]

2HR3[0:4]

/H/2

H[0:9]

HR1[0:3]

/HR1[0:3]

/H[0:6]

COMMAND[0:5]

COMMAND1[0:5]

H_ASIC

L2700 2,2MH

-5,2V

CLOCK AND PHASING SIGNALS DISTRIBUTION

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	25/30	BF2700	

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POINT COUNTER

COMMAND1[0:5]

Z2800 74F86S — TOP_L_OPT (COMMAND1[0] pin 2) — R2800 4,7K (+5V)

2H[0:5]

Z2810 74F163S — R2810 4,7K, R2811 4,7K — C2810 10NF — CP[0:10] — CP[0] CP[1] CP[2] CP[3]

Z2820 74F163S — R2820 4,7K — C2820 10NF — 2H[4] — CP[4] CP[5] CP[6] CP[7]

Z2830 74F163S — R2830 4,7K — C2830 10NF — 2H[4] — CP[8] CP[9] CP[10]

Z2870 EP7032L vals 15NS — C2870 10NF, C2871 10NF, C2872 10NF, C2873 10NF — R2870 4,7K, R2871 4,7K, R2872 4,7K — 2H[4] — GCLRN, OE, GCLK — CP[0] CP[1] CP[2] CP[3] CP[4] CP[5] CP[6] CP[7] CP[8] CP[9] CP[10]

COMMAND1[0:5]

E P L D I/O

TOP-L-OPT COMMAND1[0]
STANDARD COMMAND1[5]
PHAS[0:1] — PHAS[0] PHAS[1]
RES[0:5] — RES[0] RES[1] RES[2] RES[3] RES[4] RES[5]
GENEBOX[0:6] — TOPL GENEBOX[0], SUP H/2 GENEBOX[1], SUP H GENEBOX[2], RES L GENEBOX[4], INC L GENEBOX[5]
RESET_CL — W RES WIPE_PHAS[0]
WIPE_PHAS[0:2] — R RES1 WIPE_PHAS[1], R RES2 WIPE_PHAS[2]

Z2890 74ACT574S — C2890 10NF — DATA[0:7] — CS — PHAS[0:1] RES[0:5]

LINE COUNTER

Z2800 74F86S — COMMAND1[3] OPT_T_OPT — R2802 220

2H[0:5]

Z2840 74F163S — R2840 4,7K — C2840 10NF — CL[0:9] — CL[0] CL[1] CL[2] CL[3]

Z2850 74F163S — R2850 4,7K — C2850 10NF — 2H[5] — CL[4] CL[5] CL[6] CL[7]

Z2860 74F163S — R2860 4,7K — C2860 10NF — 2H[5] — CL[8] CL[9]

Z2880 EP7032L vals 15NS — C2880 10NF, C2881 10NF, C2882 10NF, C2883 10NF — R2880 4,7K, R2881 4,7K, R2882 4,7K — 2H[5] — GCLRN, OE, GCLK — CL[0] CL[1] CL[2] CL[3] CL[4] CL[5] CL[6] CL[7] CL[8] CL[9]

GENEBOX[0:6]

E P L D I/O

TOP I GENEBOX[3]
RES T GENEBOX[6]
RES[0:5] — RES[0] RES[1] RES[2] RES[3] RES[4] RES[5]
COMMAND1[0:5]
TOP-T-OPT COMMAND1[3]
PARITY COMMAND1[4]
STANDARD COMMAND1[5]
CL[0:9] — CL[0] CL[1] CL[2] CL[3] CL[4] CL[5] CL[6] CL[7] CL[8] CL[9]

Z2800 74F86S — C2800 10NF

CLOCK AND PHASING SIGNALS DISTRIBUTION

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	26/30	BF2700	

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MASTER CPU

RESET

Z2900 MAX695S

IMP

Z2970 68302G_3 val: 16MHZ

PROM BANK

Z3000 E512KX8D_3 val: 100NS

RAM BANK

Z3020 S128KX8F 70NS

Z3010 E512KX8D_3 val: 100NS

Z3030 S128KX8F 70NS

N.C

Z2940 EP16V8CD_3 15NS

Z2950 DS2KX8L val: 70NS

SRAM 2KX8

FREE

Z2930 74F125S

COMMUNICATION MICROPROCESSOR

THOMSON	TTV9200					
	TITLE: CHROMA KEY BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	27/30	BF2900	

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LINKS_OVER

RTS1

TXD1

RXD1

RTS2

TXD2

RXD2

LINK_OPT[0:7]

LINK_OPT[0:7]

LINK1

LINK2

RX1-	LINK_OPT[0]
TX1-	LINK_OPT[1]
RX1+	LINK_OPT[2]
TX1+	LINK_OPT[3]
RX2-	LINK_OPT[4]
TX2-	LINK_OPT[5]
RX2+	LINK_OPT[6]
TX2+	LINK_OPT[7]

SLAVE

R N.C ØOHM
R ØOHM
R N.C ØOHM
R ØOHM

MASTER

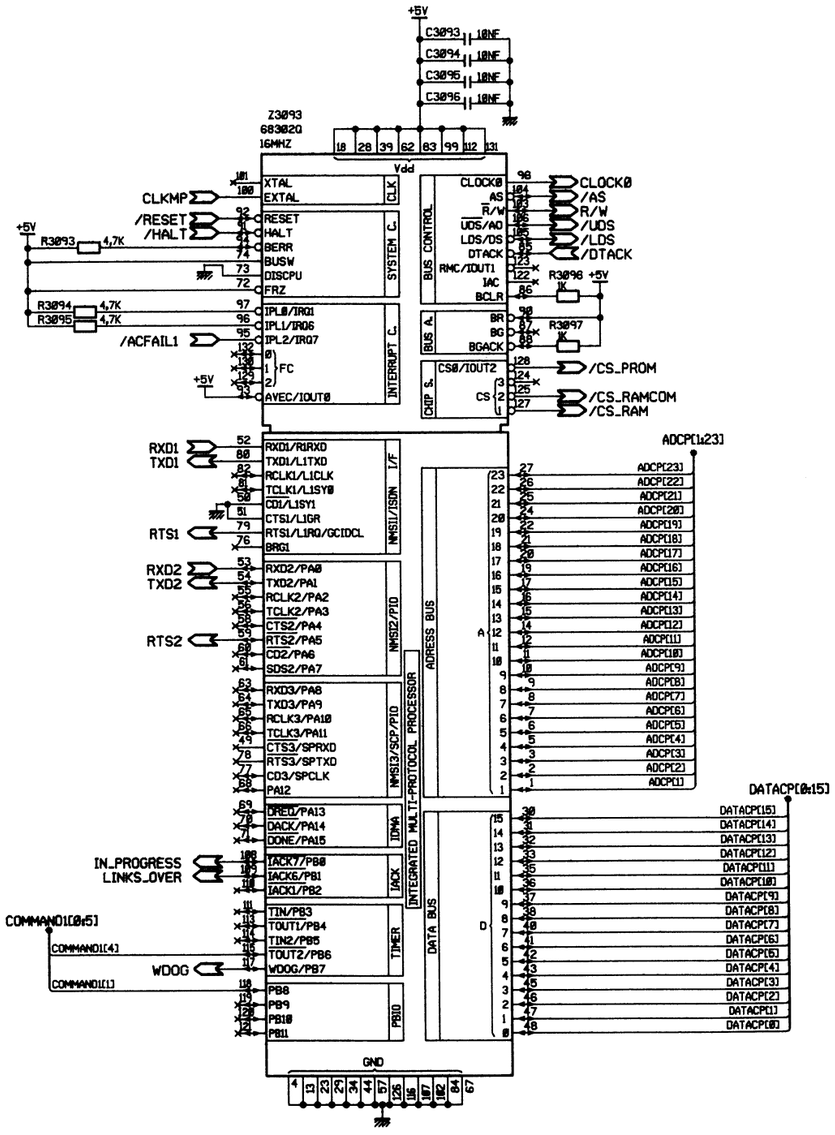
R ØOHM
R ØOHM N.C
R ØOHM
R ØOHM N.C

OPTION LINKS

COMMUNICATION MICROPROCESSOR

	TTV9200				
	TITLE: CHROMA KEY BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3B967993	C	Ø30	28/30	BF290

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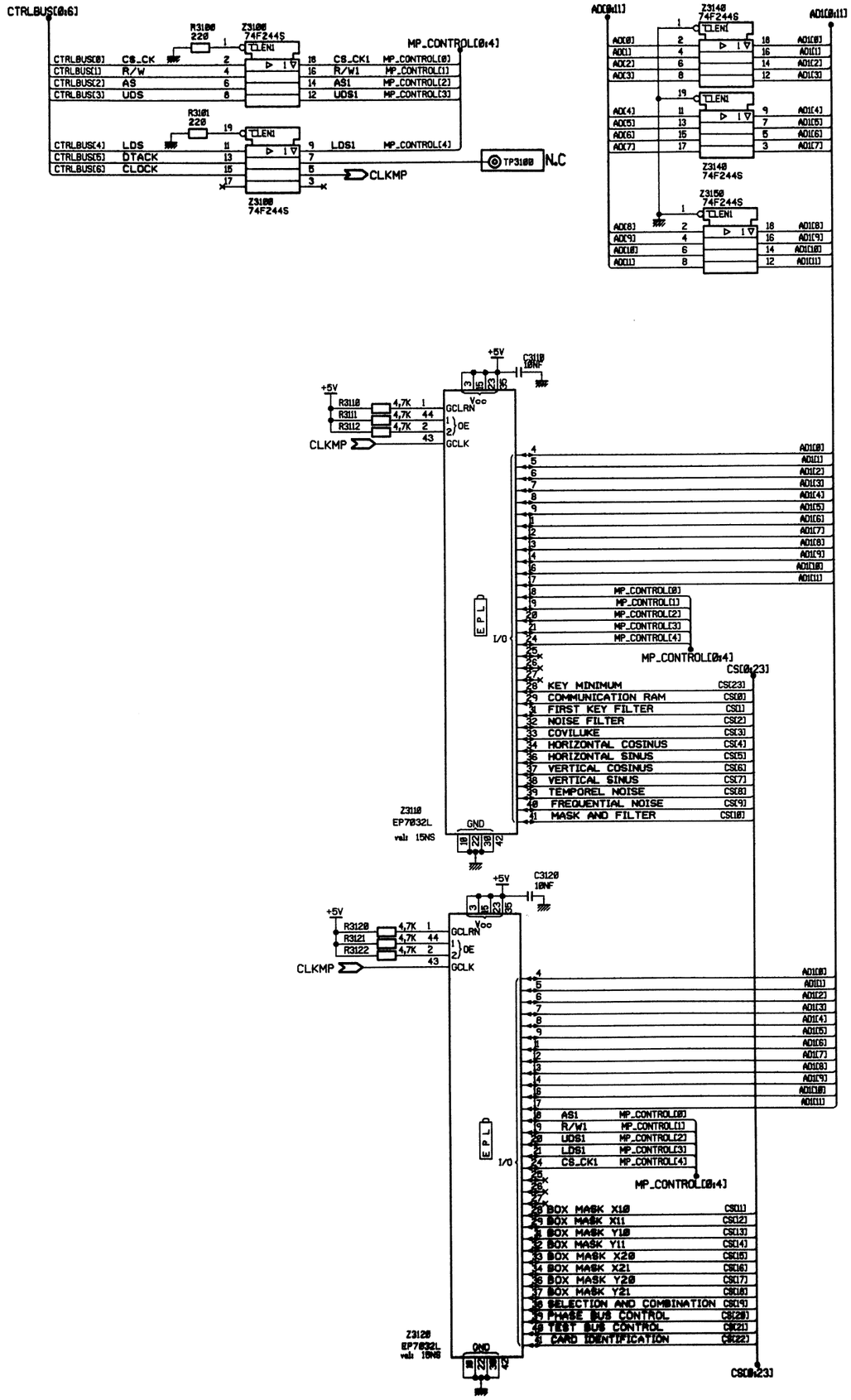
COMMUNICATION MICROPROCESSOR

	TTV920					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	29/30	BF290	

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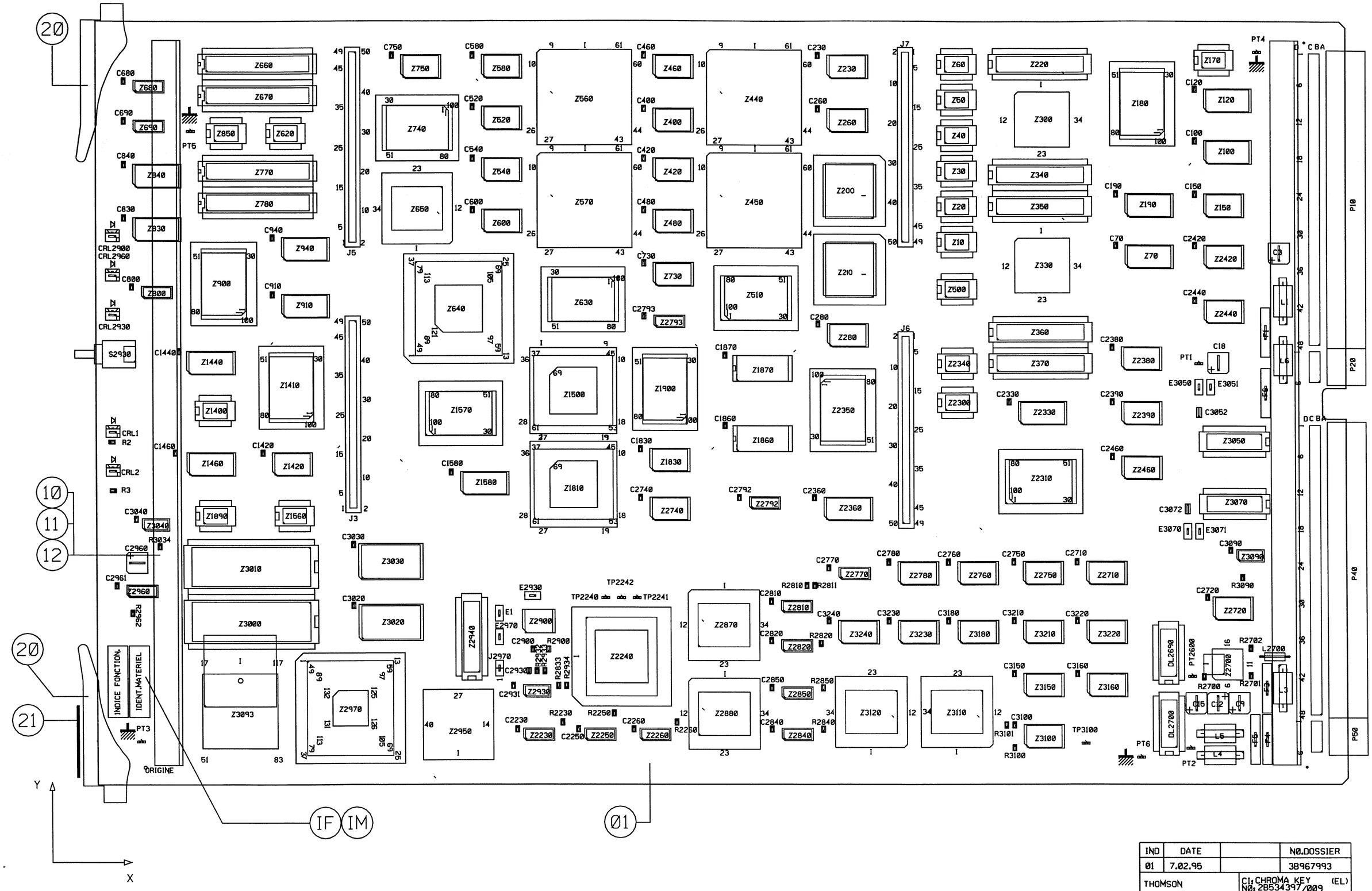
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IDENTIFICATION BYTE



MICROPROCESSOR INTERFACE

	TTV9200					
	TITLE: CHROMA KEY BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3B967993	A	030	30/30	BF3100	



IND	DATE		N0.DOSSIER
01	7.02.95		3B967993
THOMSON		CI: CHROMA KEY N0: 2B534397/009	(EL)
NOTA:			

IND	DATE		N°DOSSIER
01	7.02.95		38967993
THOMSON		CI:CHROMA KEY N°:28534397.008	(SD)
NOTA:			

ORIGINE

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TO CONNECTOR P10

BF100 — DESERIALIZER AND PHASING — deserial.sch (3 SHEETS)
$$GLOBAL_-5.2V:

BF400 — FRAME MEMORY — frame.sch (1 SHEET)
$$GLOBAL_GND:
$$GLOBAL_+5V:

BF600 — INTERPOLATION AND KEY COMPOSE — interkey.sch (2 SHEETS)

BF900 — TRS INTRODUCTION AND SERIALIZER — trs.sch (2 SHEETS)

TO CONNECTOR P40

TO CONNECTOR P80

BF1100 — MICROPROCESSOR INTERFACE — intemicro.sch (1 SHEET)

BF1200 — COUNTERS AND COMMANDS GENERATOR — counters.sch (1 SHEET)

BF1400 — 10 TO 11 BITS AND 11 TO 10 BITS CONVERSION — convers.sch (1 SHEET)

BF1500 — DELAY AND WIPE SELECT — delay.sch (1 SHEET)

BF1600 — WIPE AND PATTERN GENERATOR — wipe.sch (5 SHEETS)

BF2900 — WIPEBOR DELAY — wipdelay.sch (1 SHEET)

BF3000 — CLOCK DISTRIBUTION — clock.sch (1 SHEET)

BF3200 — SYNCHRONIZER — synchro.sch (2 SHEETS)

THOMSON	TTV9200					
	TITLE: FREEZE BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	1/23	BF2	

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VIDEO PRESENCE

RESET

RESERVE OF 2 CHIPS (N.C)

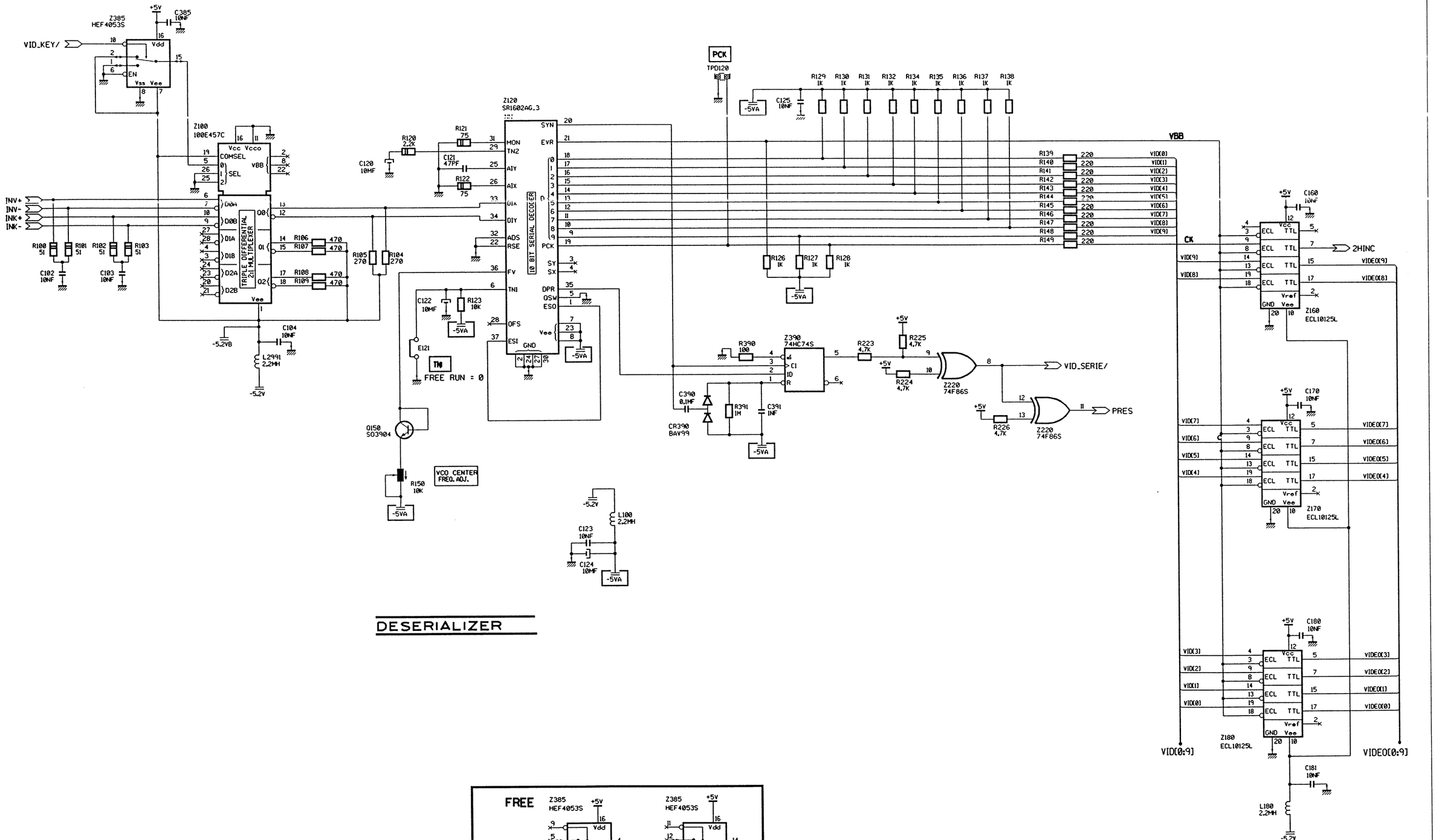
FREE

	TTV9200					
	TITLE FREEZE BOARD					
THOMSON	DRAWING NO 3C967994	REV A	CODE 030	SHEET 2/23	BLOCK BF2	

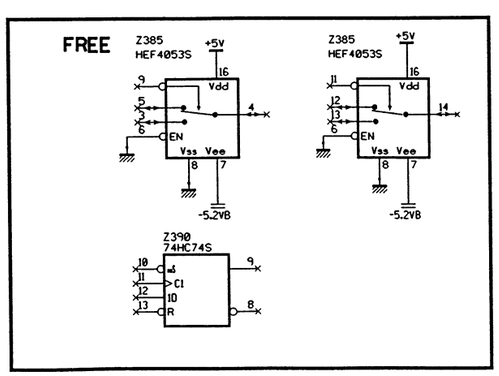
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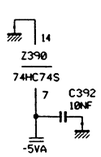
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DESERIALIZER



FREE





RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	TTV9200					
	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	3/23	BF100	

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RST_DMUX/
STANDARD

2H_VID

2HINC

PRES

2H[0]

BVF_DMUX

VIDEO[0:9]

Z190
DMX4220

SNOI

NO VIDEO

TOP ECRITURE FIFO

TL_DMX

TL_LOC

OUF_DMUX

Y/[0:9]

Z230
74ACT574S

Z240
FF02KX8CS
28NS

Z250
74ACT574S

Z260
74ACT574S

Z270
FF02KX8CS
28NS

Z280
74ACT574S

VIDEO/[0:9]

CD_TEST/
2H[0]

Z290
74F821S

TEST_VIDIN[0:9]

Z380
74ACT821S

VIDEOUT[0:9]

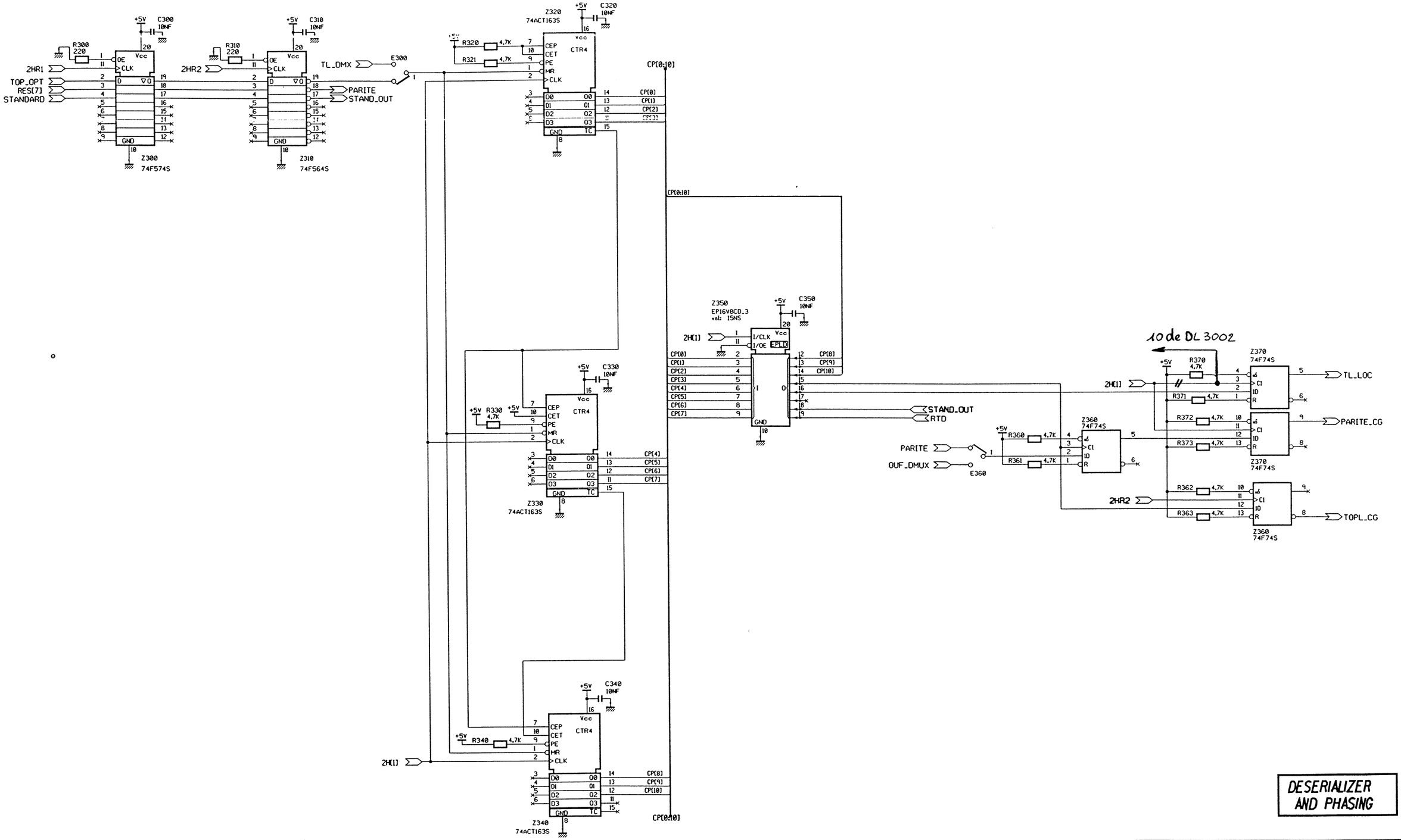
2H[0:1]

DESERIALIZER
AND PHASING

	TTV9200					
	TITLE FREEZE BOARD					
THOMSON	DRAWING NO 3B967994	REV A	CODE 030	SHEET 4/23	BLOCK BF100	

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PHASING



DESERIALIZER AND PHASING

	TTV9200				
	TITLE: FREEZE BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
THOMSON	3C967994	B	030	5/23	BF100

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FRAME 1

FRAME 2

INPUT SELECT

PARITY SELECT

PARITY SELECT

TEST

FRAME MEMORY

THOMSON	TTV9200					
	TITLE: FREEZE BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	6/23	BF400	

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INTERPOLATION FILTER

Z680
4003AQ
5NS

Z670
P1736ACD-3

DELAY1[1]

DELAY LINE

Z610 Z620 Z630 Z640 Z650 Z660
FF02KX8CS
val: 28NS

INTERPOLATION AND KEY COMPOSE

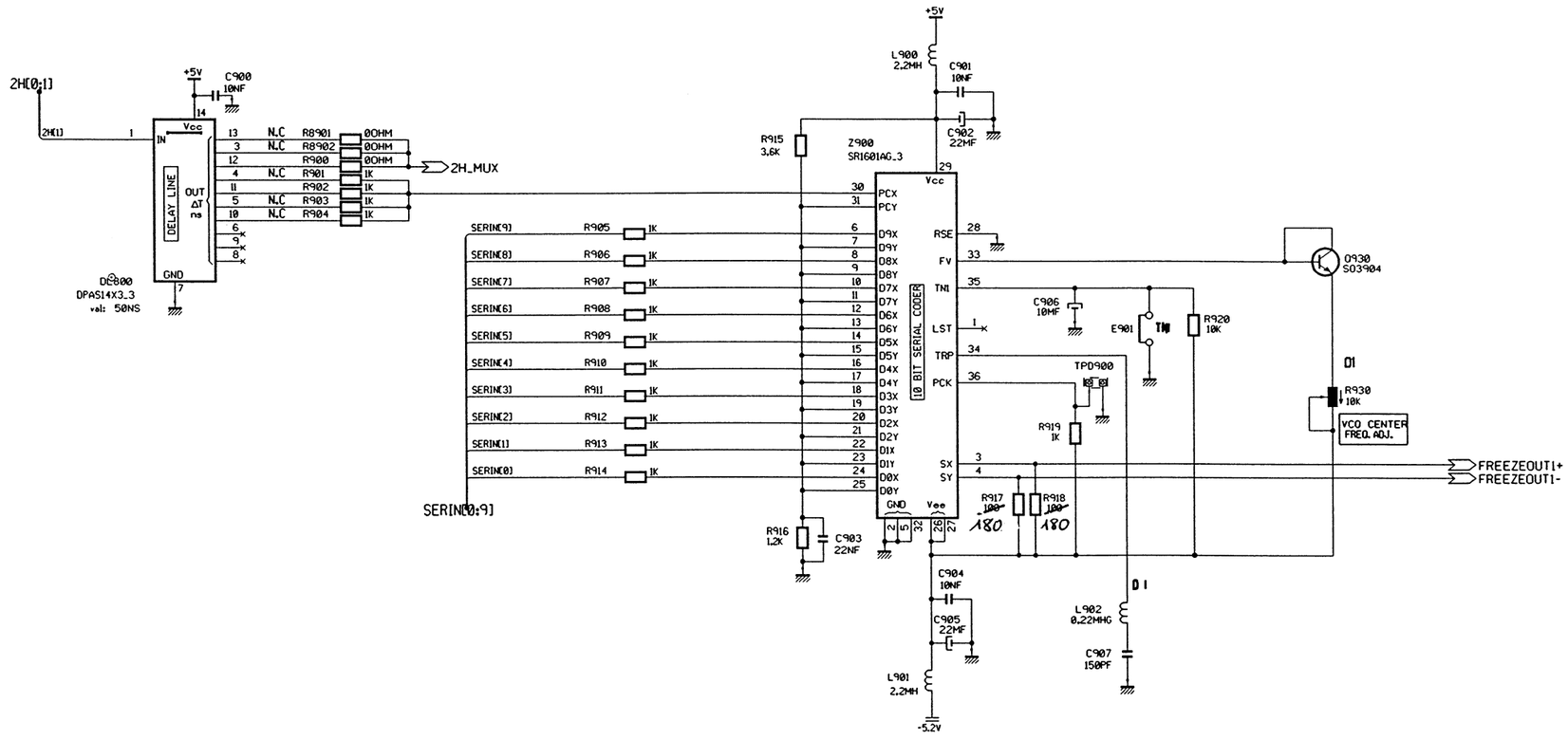
Z690
74ACT821S

Z700
74F821S

		TTV9200	
	TITLE	FREEZE BOARD	
THOMSON	DRAWING NO	3C967994	
	REV	A	
	CODE	030	
	SHEET	7/23	
	BLOCK	BF600	

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SERIALIZER



TRS INTRODUCTION AND SERIALIZER

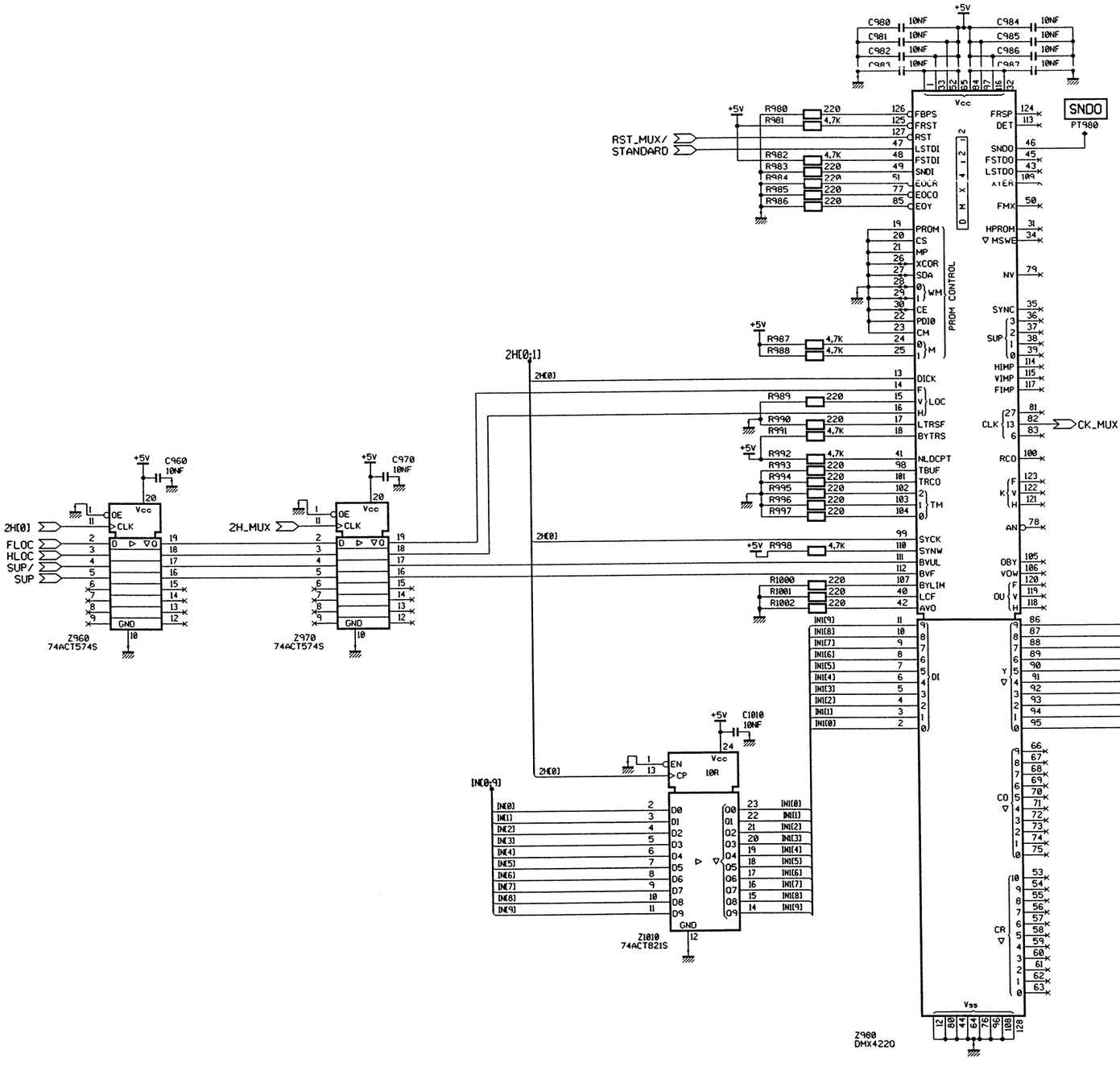
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	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	C	030	9/23	BF900	

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TRS INTRODUCTION



TRS INTRODUCTION AND SERIALIZER

	TTV9200					
	TITLE: FREEZE BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967994	A	030	10/23	BF900	

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Z1100
EP7032L
val: 15NS

+5V
C1100
10NF

R1100 4,7K
R1101 4,7K
R1102 4,7K

CLOCK

GCLRN
OE
GCLK

AD_BUS[0:11]

AS
R/W
UDS
LDS
CS_FR

I/O

GFE CS[0]
CS[1]
CS[2]
CS[3]

GSPF

CS[0:3]

GND

Z1110
74F244S

AD[0:11]

AD[0] AD[1] AD[2] AD[3] AD[4] AD[5] AD[6] AD[7]
AD_BUS[0] AD_BUS[1] AD_BUS[2] AD_BUS[3] AD_BUS[4] AD_BUS[5] AD_BUS[6] AD_BUS[7]

Z1120
74F244S

AD[8] AD[9] AD[10] AD[11]
AD_BUS[8] AD_BUS[9] AD_BUS[10] AD_BUS[11]

CTRL_BUS[0:9]

Z1130
74F244S

CTRL_BUS[2] CTRL_BUS[4] CTRL_BUS[5] CTRL_BUS[6]
CS_FR R/W AS UDS

CTRL_BUS[7] CTRL_BUS[8] CTRL_BUS[9]
LDS CLOCK

FREE

Z1120
74F244S

DATA_BUS[0:15]

Z1140
74ACT574S

+5V
C1140
10NF

R1140 220

CS[1]

DATA_BUS[0] DATA_BUS[1] DATA_BUS[2] DATA_BUS[3] DATA_BUS[4] DATA_BUS[5] DATA_BUS[6] DATA_BUS[7]
VID_KEY/
RTO
CLR_MEMO
SEL_WIPE
CONV

Z1150
74ACT574S

C1150
10NF

R1150 220

CS[1]

DATA_BUS[8] DATA_BUS[9] DATA_BUS[10] DATA_BUS[11] DATA_BUS[12] DATA_BUS[13] DATA_BUS[14] DATA_BUS[15]
FREEZE
IT/2T
T1/T2
COMP
FORCE_HIDE/
MULTI
GFEO
SYNCHRONIZE

CD_TEST

E1160

C1160
10NF

R1160 220

CS[2]

R1161 R1162 R1163 R1164 R1165 R1166 R1167 R1168
1K

DATA_BUS[0] DATA_BUS[1] DATA_BUS[2] DATA_BUS[3] DATA_BUS[4] DATA_BUS[5] DATA_BUS[6] DATA_BUS[7]
CD_TEST/[0] CD_TEST/[1] CD_TEST/[2] CD_TEST/[3] CD_TEST/[4] CD_TEST/[5] CD_TEST/[6] CD_TEST/[7]

CD_TEST/[0:7]

Z1160
74ACT574S

Z1180
74F245S

C1180
10NF

CS_FR
R/W

DATA_BUS[0] DATA_BUS[1] DATA_BUS[2] DATA_BUS[3] DATA_BUS[4] DATA_BUS[5] DATA_BUS[6] DATA_BUS[7]
DATAMP[0] DATAMP[1] DATAMP[2] DATAMP[3] DATAMP[4] DATAMP[5] DATAMP[6] DATAMP[7]

DATAMP[0:15]

Z1190
74F245S

C1190
10NF

DATA_BUS[8] DATA_BUS[9] DATA_BUS[10] DATA_BUS[11] DATA_BUS[12] DATA_BUS[13] DATA_BUS[14] DATA_BUS[15]
DATAMP[8] DATAMP[9] DATAMP[10] DATAMP[11] DATAMP[12] DATAMP[13] DATAMP[14] DATAMP[15]

DATA_BUS[0:15]

Z1170
74ACT244S

GSPF

R1170 R1171 R1172 R1173 R1174 R1175 R1176 R1177
4,7K 220 4,7K 220 4,7K 220 4,7K 220

DATA_BUS[0] DATA_BUS[1] DATA_BUS[2] DATA_BUS[3] DATA_BUS[4] DATA_BUS[5] DATA_BUS[6] DATA_BUS[7]

DATA_BUS[0:7]

C1170 C1110 C1120 C1130
10NF

Z1110 Z1120 Z1130
74F244S

MICROPROCESSOR INTERFACE

	TTV9200					
	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	11/23	BF1100	

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POINT COUNTER

LINE COUNTER

COUNTERS AND COMMANDS GENERATOR

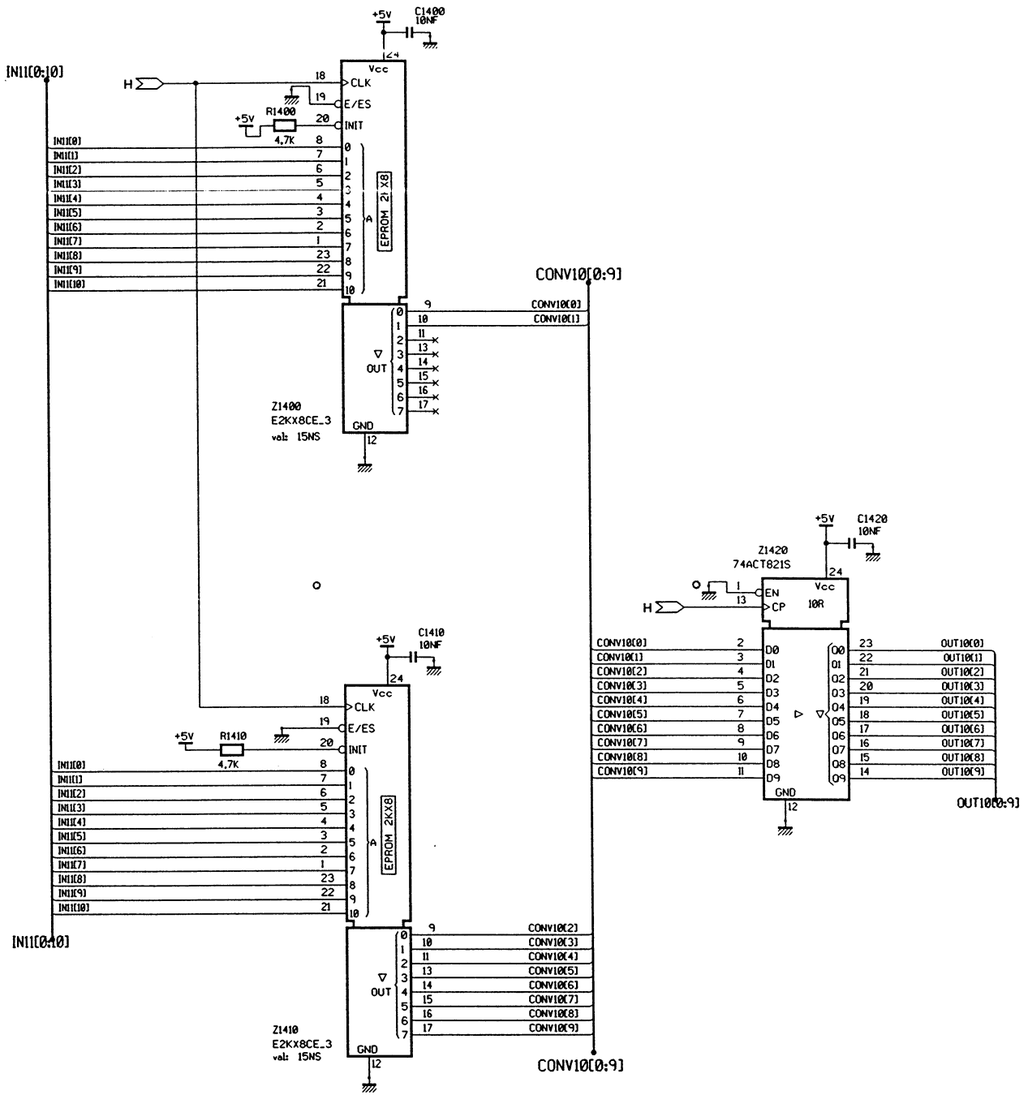
	TTV9200				
	TITLE: FREEZE BOARD				
THOMSON	DRAWING NO: 3C967994	REV: B	CODE: 030	SHEET: 12/23	BLOCK: BF1200

NODE NAME: 3c967994a9 SCHEMATIC NAME: counters.sch SHEET NUMBER: 1 DATE: Sep 20,1994

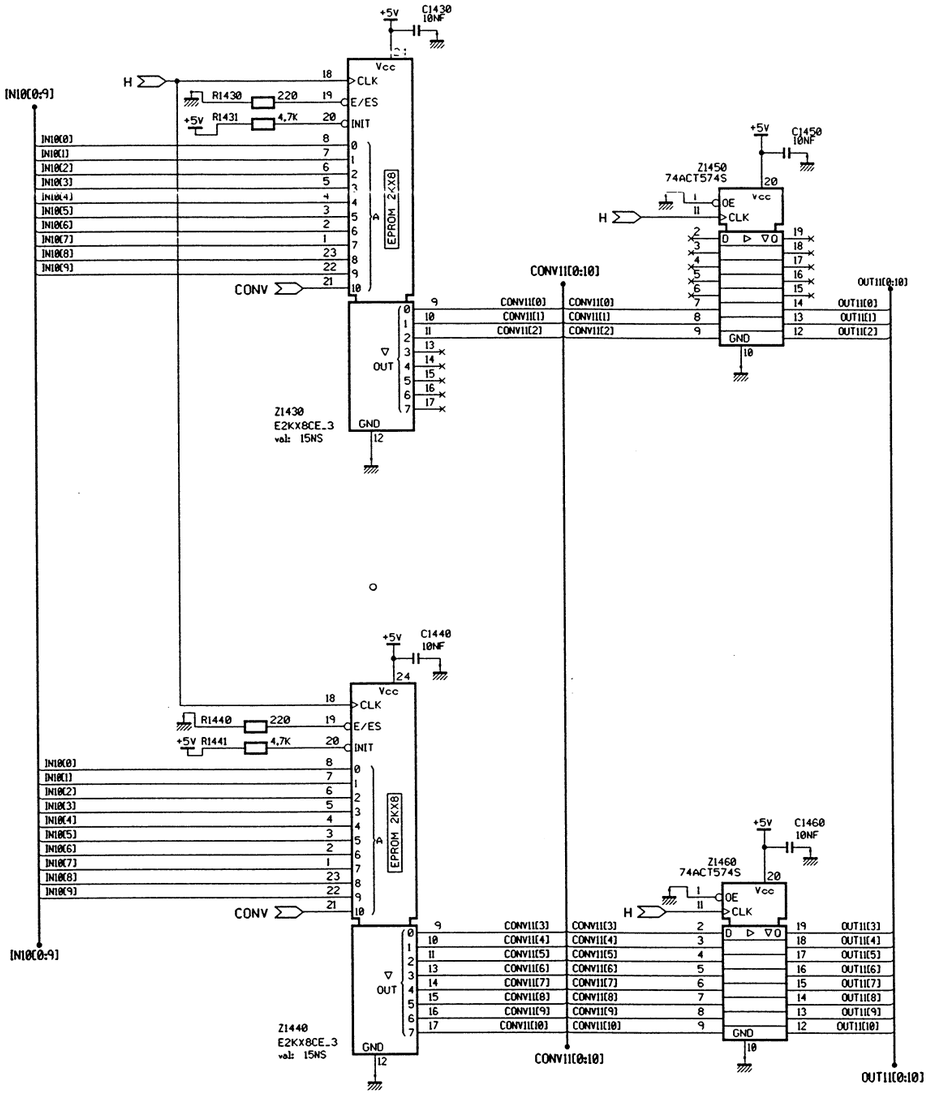
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11 TO 10 BITS CONVERSION



10 TO 11 BITS CONVERSION



11 TO 10 BITS CONVERSION
10 TO 11 BITS CONVERSION

	TTV9200					
	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	13/23	BF1400	

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H[0:1]
H[0]
H[1]
H[0:1]

Z1500
9501CC
val: 30MHZ
+5V
C1500
10NF
R1516 0OHM
R1500 220
H[0]
+5V
R1501 4,7K NC
R1502 220
R1503 220
R1504 220
OE
CLK
CLKEN
CLKSEL
MODSEL
LCEN
PROGRAMMABLE DATA BUFFER
LC
R1505 4,7K NC
R1506 4,7K
R1507 4,7K
R1508 4,7K
R1509 4,7K NC
R1510 220
R1511 220
R1512 220 NC
R1513 220
R1514 220
R1515 220
DI
DO
GND
WPG[0:10]
WPG[0]
WPGD[0:10]
WPGD[0]

Z1520
9501CC
val: 30MHZ
+5V
C1520
10NF
R1536 0OHM
R1520 220
H[0]
+5V
R1521 4,7K NC
R1522 220
R1523 220
R1524 220
R1525 4,7K NC
R1526 4,7K
R1527 4,7K
R1528 4,7K
R1529 4,7K NC
R1530 220
R1531 220
R1532 220 NC
R1533 220
R1534 220
R1535 220
WPG[1]
WPG[2]
WPG[3]
WPG[4]
WPG[5]
WPG[6]
WPG[7]
WPG[8]
WPG[9]
WPG[10]
ØN
WPG[0:10]
WPGD[0:10]

Z1540
74ACT574S
+5V
C1540
10NF
R1540 220
WPG_COMP/
H[1]
COMP[0:10]
COMP[0]
COMP[1]
COMP[2]
WIPE_SEL[0:10]
WIPE_SEL[0]
WIPE_SEL[1]
WIPE_SEL[2]

Z1550
74ACT574S
+5V
C1550
10NF
R1550 220
COMP[3]
COMP[4]
COMP[5]
COMP[6]
COMP[7]
COMP[8]
COMP[9]
COMP[10]
WIPE_SEL[3]
WIPE_SEL[4]
WIPE_SEL[5]
WIPE_SEL[6]
WIPE_SEL[7]
WIPE_SEL[8]
WIPE_SEL[9]
WIPE_SEL[10]

Z1560
74ACT574S
+5V
C1560
10NF
R1560 220
COMP_WPG/
H[1]
WPGD[0]
WPGD[1]
WPGD[2]
WIPE_SEL[0]
WIPE_SEL[1]
WIPE_SEL[2]

Z1570
74ACT574S
+5V
C1570
10NF
R1570 220
WPGD[3]
WPGD[4]
WPGD[5]
WPGD[6]
WPGD[7]
WPGD[8]
WPGD[9]
WPGD[10]
WIPE_SEL[3]
WIPE_SEL[4]
WIPE_SEL[5]
WIPE_SEL[6]
WIPE_SEL[7]
WIPE_SEL[8]
WIPE_SEL[9]
WIPE_SEL[10]
WIPE_SEL[0:10]

Z1591
MTP7216L
20NS
+5V
C1591
10NF
H[1]
CK_MTP
R1591 4,7K
R1592 220
R1593 220
R1594 4,7K
R1595 220
R1596 220
CLKX
CLKY
CLKL
CLKM
OEL
OEP
FT
FA
MSPSEL
RND
WIPE_SEL[0]
WIPE_SEL[1]
WIPE_SEL[2]
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WIPE_SEL[8]
WIPE_SEL[9]
WIPE_SEL[10]
16X16 MULTIPLIER
X
R1597 220
XM
R1598 220
YM
PY
P0P16
P1P17
P2P18
P3P19
P4P20
P5P21
P6P22
P7P23
P8P24
P9P25
P10P26
P11P27
P12P28
P13P29
P14P30
P15P31
WIPE_SEL[0]
WIPE_SEL[1]
WIPE_SEL[2]
WIPE_SEL[3]
WIPE_SEL[4]
WIPE_SEL[5]
WIPE_SEL[6]
WIPE_SEL[7]
WIPE_SEL[8]
WIPE_SEL[9]
WIPE_SEL[10]
DATA_BUS[0:11]
DATA_BUS[0]
DATA_BUS[1]
DATA_BUS[2]
DATA_BUS[3]
DATA_BUS[4]
DATA_BUS[5]
DATA_BUS[6]
DATA_BUS[7]
DATA_BUS[8]
DATA_BUS[9]
ØN

Z1580
74F574S
+5V
C1580
10NF
/H
WIPE_SEL[0:10]
WIPE_SEL[0]
WIPE_SEL[1]
WIPE_SEL[2]
WIPE_EXT[0]
WIPE_EXT[1]
WIPE_EXT[2]

Z1590
74F574S
+5V
C1590
10NF
WIPE_SEL[3]
WIPE_SEL[4]
WIPE_SEL[5]
WIPE_SEL[6]
WIPE_SEL[7]
WIPE_SEL[8]
WIPE_SEL[9]
WIPE_SEL[10]
WIPE_EXT[3]
WIPE_EXT[4]
WIPE_EXT[5]
WIPE_EXT[6]
WIPE_EXT[7]
WIPE_EXT[8]
WIPE_EXT[9]
WIPE_EXT[10]
WIPE_SEL[0:10]

J1590
BARPDS10
WIPE_EXT[1]
WIPE_EXT[2]
WIPE_EXT[3]
WIPE_EXT[4]
WIPE_EXT[5]
WIPE_EXT[6]
WIPE_EXT[7]
WIPE_EXT[8]
WIPE_EXT[9]
WIPE_EXT[10]
WIPE_EXT 1
WIPE_EXT[0:10]

DELAY AND WIPE SELECT

	TTV9200					
	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO: 3C967994	REV: A	CODE: 030	SHEET: 14/23	BLOCK: BF1500	

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COMMUNICATION RAM

INTERRUPT ENCODER

BLANKING DELAY

ADRESS DECODER

WIPE AND PATTERN GENERATOR

	TTV9200					
	TITLE: FREEZE BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	3C967994	C	030	15/23	BF1600	

NODE NAME: 3c967994a7 SCHEMATIC NAME: wipe.sch SHEET NUMBER: 1 DATE: Sep 20, 1994

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Z1830
EP7032L
15NS

Z1840
74ACT821S

Z1850
74ACT244S

Z1860
7381CC
val: 40NS

Z1870
7381CC
val: 40NS

Z1890
7381CC
val: 40NS

Z1900
7381CC
val: 40NS

16 BIT CASCADABLE ALU

WIPE AND PATTERN GENERATOR

THOMSON	TTV9200				
	TITLE: FREEZE BOARD				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967994	A	030	16/23	BF1600

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COORD[0:15]

DATA2[0:15]

X[0:15]

SUM[0:12]

DATA[0:15]

Y[0:15]

CMOS COORDINATE TRANSFORMER 16X16 BIT 25 MOPS

WIPE AND PATTERN GENERATOR

	TTV9200					
	TITLE FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	17/23	BF1600	

NODE NAME: 3c967994a7 SCHEMATIC NAME: wipe.sch SHEET NUMBER: 3 DATE: Sep 20,1994

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GPR

Z1980 74ACT574S — C1980 10NF — +5V

DATA2[0:15]

REG_COM/	CLK	
DATA2[0]	D	TMCEN
DATA2[1]		MIROIR
DATA2[2]		ABSY
DATA2[3]		INVERT_FORM
DATA2[4]		INVERT_BORD
DATA2[5]		ABSX
DATA2[6]		SUP
DATA2[7]		

LKGR

Z1990 74ACT574S — C1990 10NF — +5V

CK13.5/
REG_FLOU_B/

DATA2[0]	D	FLOU[0]
DATA2[1]		FLOU[1]
DATA2[2]		FLOU[2]
DATA2[3]		FLOU[3]
DATA2[4]		FLOU[4]
DATA2[5]		FLOU[5]
DATA2[6]		FLOU[6]
DATA2[7]		FLOU[7]

Z2000 74ACT574S — C2000 10NF — +5V

DATA2[8]	D	FLOU[8]
DATA2[9]		FLOU[9]
DATA2[10]		FLOU[10]
DATA2[11]		FLOU[11]
DATA2[12]		FLOU[12]
DATA2[13]		FLOU[13]
DATA2[14]		FLOU[14]
DATA2[15]		FLOU[15]

NKGR

Z2010 74ACT574S — C210 10NF — +5V

CK13.5C
REG_FLOU_K/

DATA2[0]	D	FLOU[0]
DATA2[1]		FLOU[1]
DATA2[2]		FLOU[2]
DATA2[3]		FLOU[3]
DATA2[4]		FLOU[4]
DATA2[5]		FLOU[5]
DATA2[6]		FLOU[6]
DATA2[7]		FLOU[7]

Z2020 74ACT574S — C2020 10NF — +5V

DATA2[8]	D	FLOU[8]
DATA2[9]		FLOU[9]
DATA2[10]		FLOU[10]
DATA2[11]		FLOU[11]
DATA2[12]		FLOU[12]
DATA2[13]		FLOU[13]
DATA2[14]		FLOU[14]
DATA2[15]		FLOU[15]

DATA2[0:15] — FLOU[0:15]

SOFT GAIN

Z2030 MTP1800 35NS — C2030 10NF — +5V

CK27A — CLK; ENA; ENB; RND; RS; FT; ENR; MSPSEL; OEM; OEL

R2030 220
R2031 4.7K
R2032 220
R2033 220
R2034 220

SUM[0:12] — SUM[0] … SUM[12]

R2035 4.7K — +5V

FLOU[0:15] — FLOU[0] … FLOU[15]

16X16 BIT PARALLEL MULTIPLIER — A, B, R, TCA, TCB, GND

R2036 220

MULT[0:23] — MULT[0] … MULT[23]

Z2040 74ACT574S — C2040 10NF — +5V

CK27A

MULT[0]	D	MULT[0]
MULT[1]		MULT[1]
MULT[2]		MULT[2]
MULT[3]		MULT[3]
MULT[4]		MULT[4]
MULT[5]		MULT[5]
MULT[6]		MULT[6]
MULT[7]		MULT[7]

MULT[0:8]

Z2050 74ACT574S — C2050 10NF — +5V

MULT[8]	D	MULT[8]
MULT[9]		I/O[0]
MULT[10]		I/O[1]
MULT[11]		I/O[2]
MULT[12]		I/O[3]
MULT[13]		I/O[4]
MULT[14]		I/O[5]
MULT[15]		I/O[6]

MULT[0:8]

Z2060 74ACT574S — C2060 10NF — +5V

MULT[16]	D	
MULT[17]		
MULT[18]		
MULT[19]		
MULT[20]		
MULT[21]		
MULT[22]		
MULT[23]		

Z2070 PA22V100_3 15NS — C2070 10NF — +5V

CK27B

R2070 220
R2071 220
R2072 220

PALC 22V10

I/O[0:6]

MULT[8]
MULT[0:8]

Z2080 74ACT399S — C2080 10NF — +5V

CK27B

MULT[0]	A	ADLUT[0]
MULT[1]	B	ADLUT[1]
MULT[2]	C	ADLUT[2]
MULT[3]	D	ADLUT[3]

ADLUT[0:10]

Z2090 74ACT399S — C2090 10NF — +5V

MULT[4]	A	ADLUT[4]
MULT[5]	B	ADLUT[5]
MULT[6]	C	ADLUT[6]
MULT[7]	D	ADLUT[7]

Z2100 74ACT399S — C2100 10NF — +5V

MULT[8]
MULT[0:8]

	A	ADLUT[8]
	B	ADLUT[9]
	C	ADLUT[10]
	D	

ADLUT[0:10]

11 BITS LIMITER

R1800 220 — R1801 220 — Z1800 74F32S
R1804 220 — R1805 220 — Z1800 74F32S

R1661 220 — R1662 220 — Z1660 74F08S
R1663 220 — R1664 220 — Z1660 74F08S

R1677 220 — Z1670 74HC05S

FREE (FOLIO 1/3 FROM BF1600)

WIPE AND PATTERN GENERATOR

	TTV9200				
	TITLE: FREEZE BOARD				
THOMSON	DRAWING NO: 3C967994	REV: A	CODE: 030	SHEET: 18/23	BLOCK: BF1600

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COSINUS TRANSFER FUNCTION

FROM SHEET 1 BLOCK WIPE

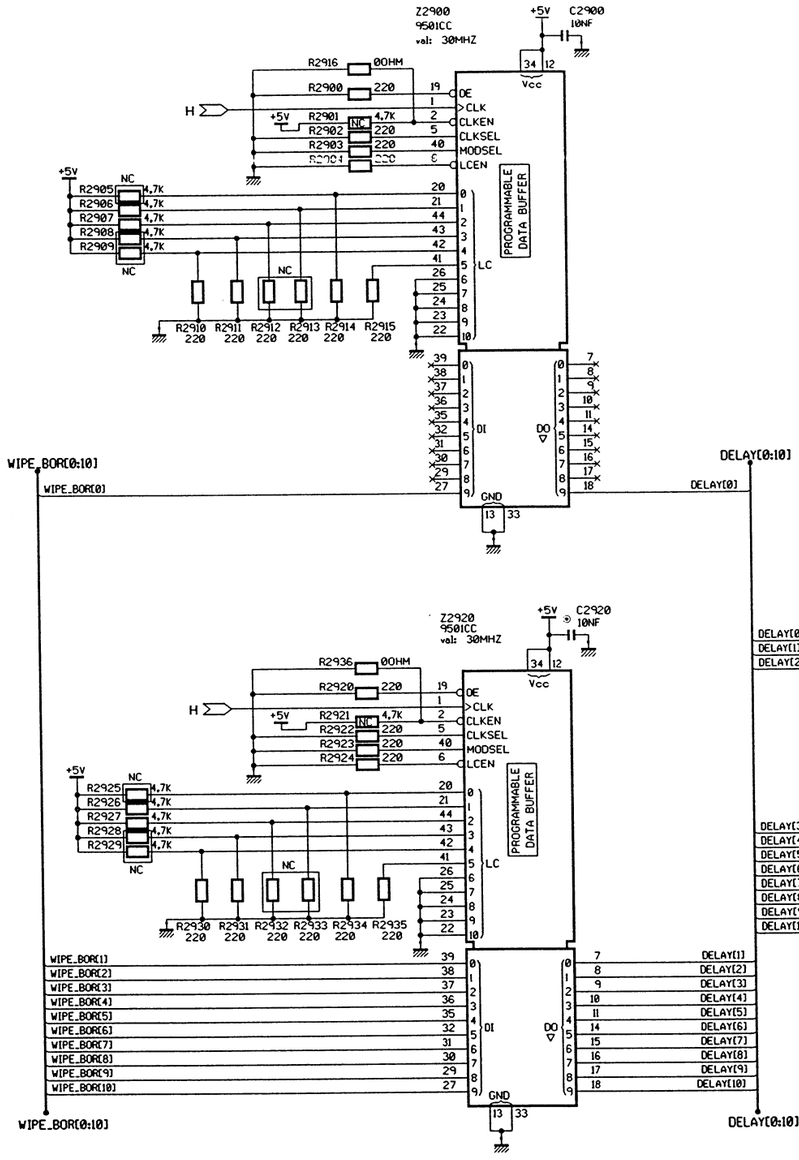
OUTPUT REGISTERS

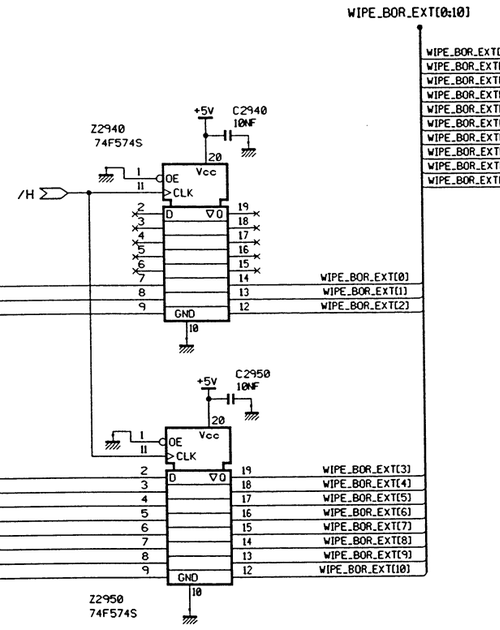
WIPE AND PATTERN GENERATOR

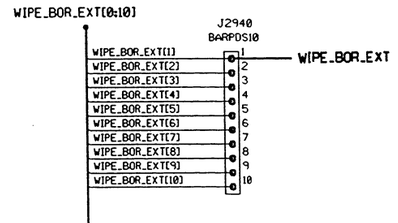
THOMSON	TTV9200					
	TITLE: FREEZE BOARD					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	19/23	BF1600	

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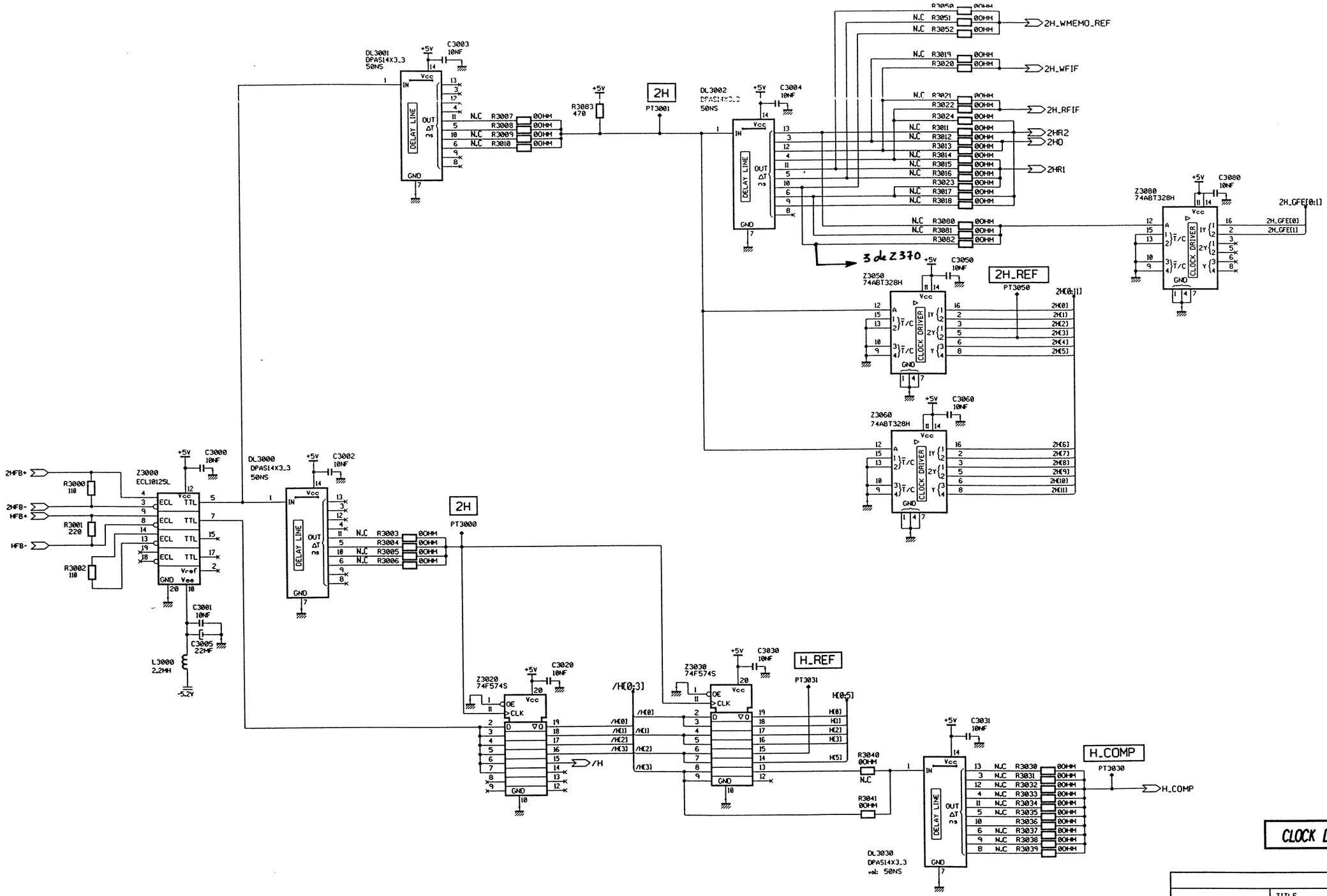


WIPEBOR DELAY

	TTV9200					
	TITLE: FREEZE BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	3C967994	A	030	20/23	BF2900	

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+/- 2.5 NS PHASING WITH 2H ROUTING
BOARD CLOCK



CLOCK DISTRIBUTION

	TTV9200				
	TITLE: FREEZE BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967994	B	030	21/23	BF3000

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SYNCHRONIZER

	TTV9200				
	TITLE FREEZE BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	3C967994	B	030	22/23	BF3200

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IN[0:9]

Z3320 F256KX8Z_2 30NS — C3320 10NF — +5V
Z3340 F256KX8Z_2 30NS — C3340 10NF — +5V
Z3360 F256KX8Z_2 30NS — C3360 10NF — +5V
Z3400 F256KX8Z_2 30NS — C3400 10NF — +5V
Z3330 F256KX8Z_2 30NS — C3330 10NF — +5V
Z3350 F256KX8Z_2 30NS — C3350 10NF — +5V
Z3370 F256KX8Z_2 30NS — C3370 10NF — +5V
Z3410 F256KX8Z_2 30NS — C3410 10NF — +5V

FIFO256KX8 (IE, Vcc, SRCK, RE, RSTR, OE, SWCK, WE, RSTW, DIN, Q0, Vss)

	Z3320	Z3340	Z3360	Z3400
IE2	2	2	2	2
2H_RMEMO[0]	28	28		
R_VID[0]	16	16		
RSTR[0]	27	27		
2H_RMEMO[1]			28	28
R_VID[2]			16	
RSTR[1]			27	
R_VID[3]				16
RSTR[1]				27
2H_WMEMO[2]	13	13		
WE[0]	1	1		
RSTW[2]	12	12		
2H_WMEMO[3]			13	13
WE[2]			1	
RSTW[3]			12	
WE[3]				1
RSTW[3]				12
IN[0]	3	3	3	3
IN[1]	4	4	4	4
IN[2]	5	5	5	5
IN[3]	6	6	6	6
IN[4]	8	8	8	8
IN[5]	9	9	9	9
IN[6]	10	10	10	10
IN[7]	11	11	11	11
OUT1[0]	26	26		
OUT1[1]	25	25		
OUT1[2]	24	24		
OUT1[3]	23	23		
OUT1[4]	21	21		
OUT1[5]	20	20		
OUT1[6]	19	19		
OUT1[7]	18	18		
OUT2[0]			26	26
OUT2[1]			25	25
OUT2[2]			24	24
OUT2[3]			23	23
OUT2[4]			21	21
OUT2[5]			20	20
OUT2[6]			19	19
OUT2[7]			18	18

	Z3330	Z3350	Z3370	Z3410
IE2	2	2	2	2
2H_RMEMO[0]	28	28		
R_VID[0]	16	16		
RSTR[0]	27	27		
2H_RMEMO[1]			28	28
R_VID[2]			16	
RSTR[1]			27	
R_VID[3]				16
RSTR[1]				27
2H_WMEMO[2]	13	13		
WE[0]	1	1		
RSTW[2]	12	12		
2H_WMEMO[3]			13	13
WE[2]			1	
RSTW[3]			12	
WE[3]				1
RSTW[3]				12
IN[8]	3	3	3	3
IN[9]	4	4	4	4
OUT1[8]	26	26		
OUT1[9]	25	25		
OUT2[8]			26	26
OUT2[9]			25	25

IN[0:9] → OUT1[0:9]

IN[0:9] → OUT2[0:9]

Z3380 74ACT821S — C3380 10NF — +5V

CD_SYNC/ 2H_VID[3]	EN, CP
Vcc	24
10R	
Y/[0]	D0
Y/[1]	D1
Y/[2]	D2
Y/[3]	D3
Y/[4]	D4
Y/[5]	D5
Y/[6]	D6
Y/[7]	D7
Y/[8]	D8
Y/[9]	D9
GND	12
Q0	IN[0]
Q1	IN[1]
Q2	IN[2]
Q3	IN[3]
Q4	IN[4]
Q5	IN[5]
Q6	IN[6]
Q7	IN[7]
Q8	IN[8]
Q9	IN[9]

Y/[0:9] — IN[0:9]

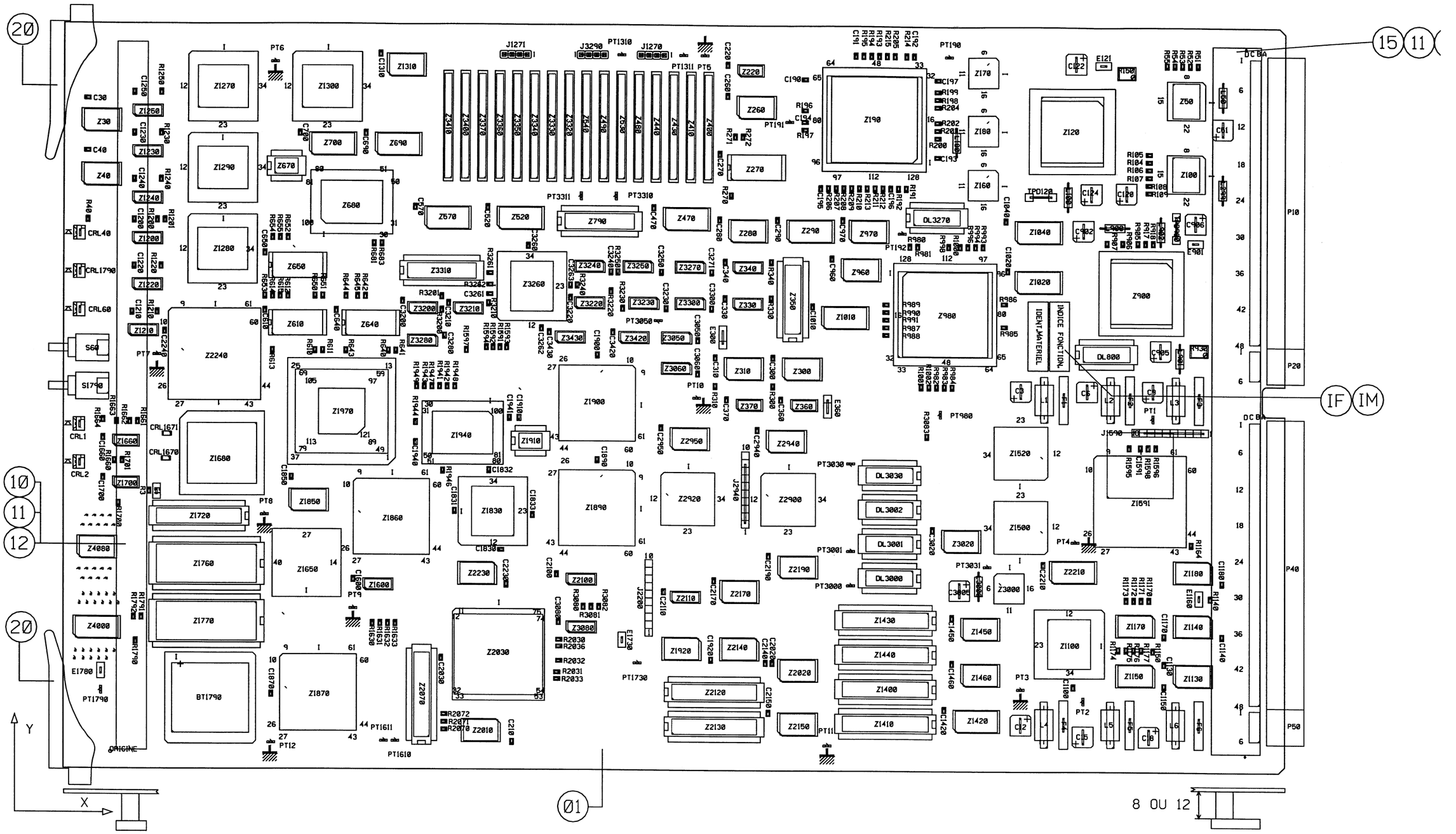
2H_RMEMO[0:2] → 2H_RMEMO[0], 2H_RMEMO[1] → 2H_RMEMO[0:2]

R_VID[0:3] → R_VID[0], R_VID[1], R_VID[2], R_VID[3] → R_VID[0:3]

RSTR[0:1] → RSTR[0], RSTR[1] → RSTR[0:1]

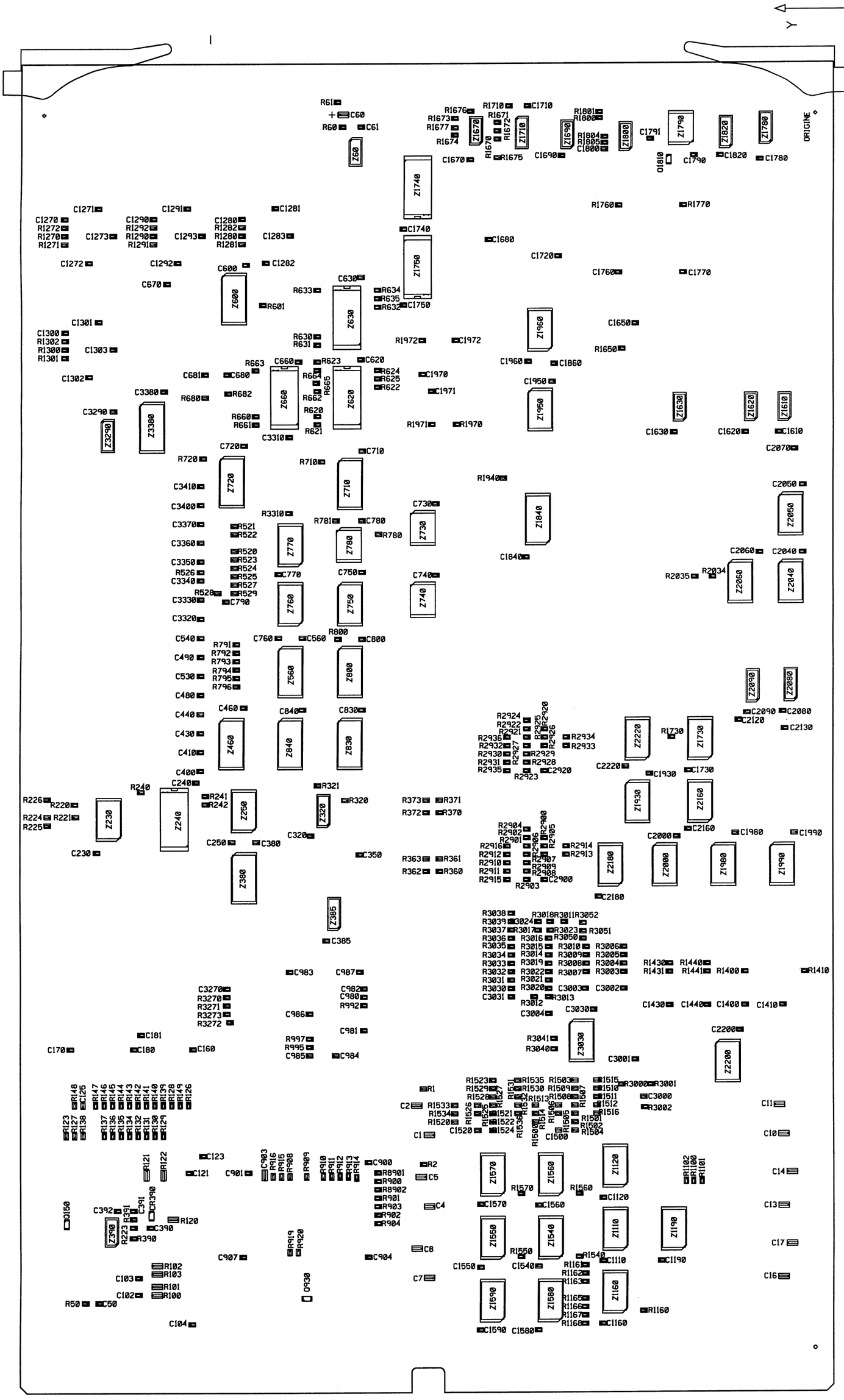
SYNCHRONIZER

	TTV9200				
	TITLE: FREEZE BOARD				
THOMSON	DRAWING NO: 3C967994	REV: A	CODE: 030	SHEET: 23/23	BLOCK: BF3200



IND	DATE		N0.DOSSIER
01	16/9/94		3C967994
THOMSON		CI: FREEZE N0: 2C534398/009	(EL)
NOTA:			

IND	DATE	N°.DOSSIER
01	16/9/94	3C967994
THOMSON		Cl: FREEZE (SD) N°: 2C534398/008
NOTA:		



BF2900

CLKMP
MP_CONTROL[1]
COMMAND1[0:5]
DATA[0:7]
A0[0:10]
CS[0]
/ACFAIL

R/W

CLKMP
R/W_MP
COMMAND1[0:5]
DATA[0:7]
A0[0:10]
CS
/ACFAIL

LINK_OPT[0:7]

LINK_OPT[0:7]

COMMUNICATION
MICROPROCESSOR

comumicro.sch

BF2700

CLOCK
AND PHASING
SIGNALS
DISTRIBUTION

CLOCK[0:5]
COMMAND[0:5]

CLOCK[0:5]
COMMAND1[0:5]

COMMAND1[0:5]

clock.sch

**GLOBAL_-5.2V:

BF3100

MICROPROCESSOR
INTERFACE

DATAMP[0:15]
A0[0:11]
CTRLBUS[0:6]

DATAMP[0:15]
A0[0:11]
CTRLBUS[0:6]

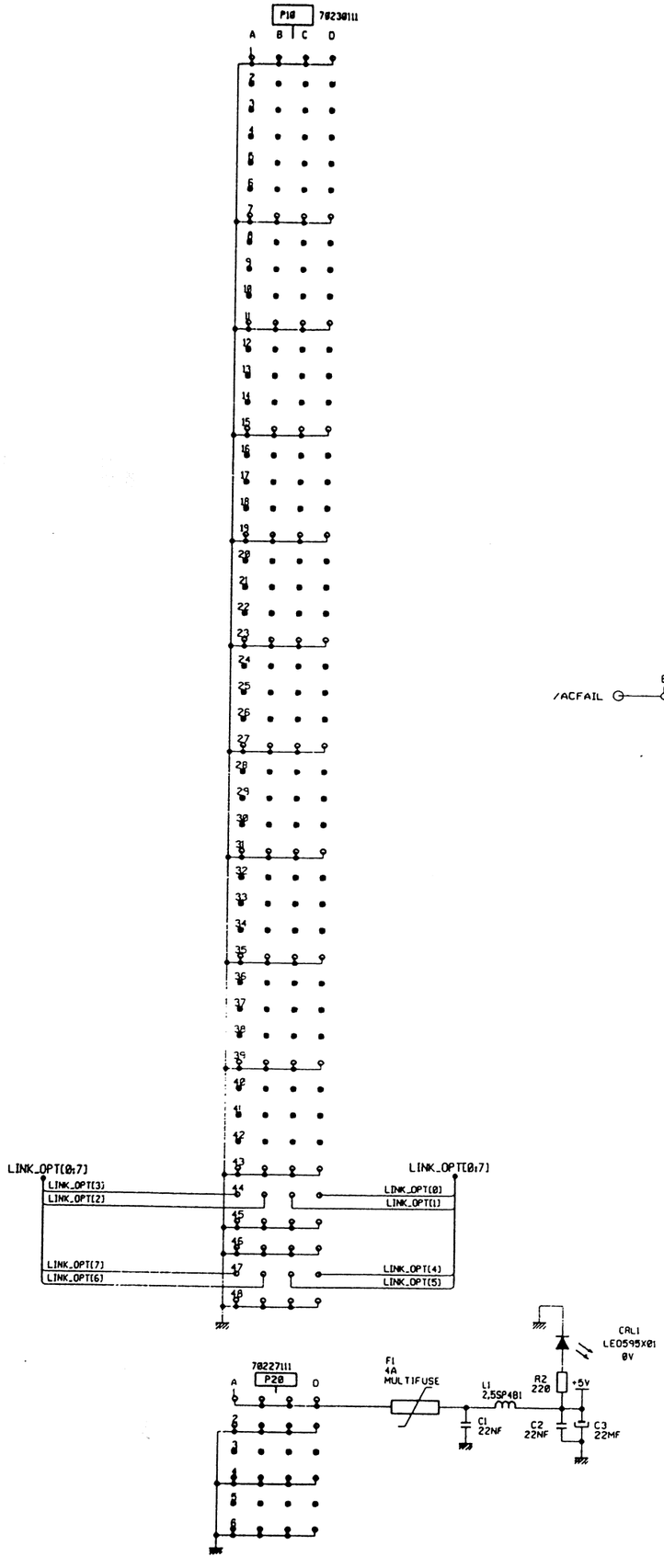
DATA[0:15]
CS[0:23]
CLKMP
MP_CONTROL[0:4]

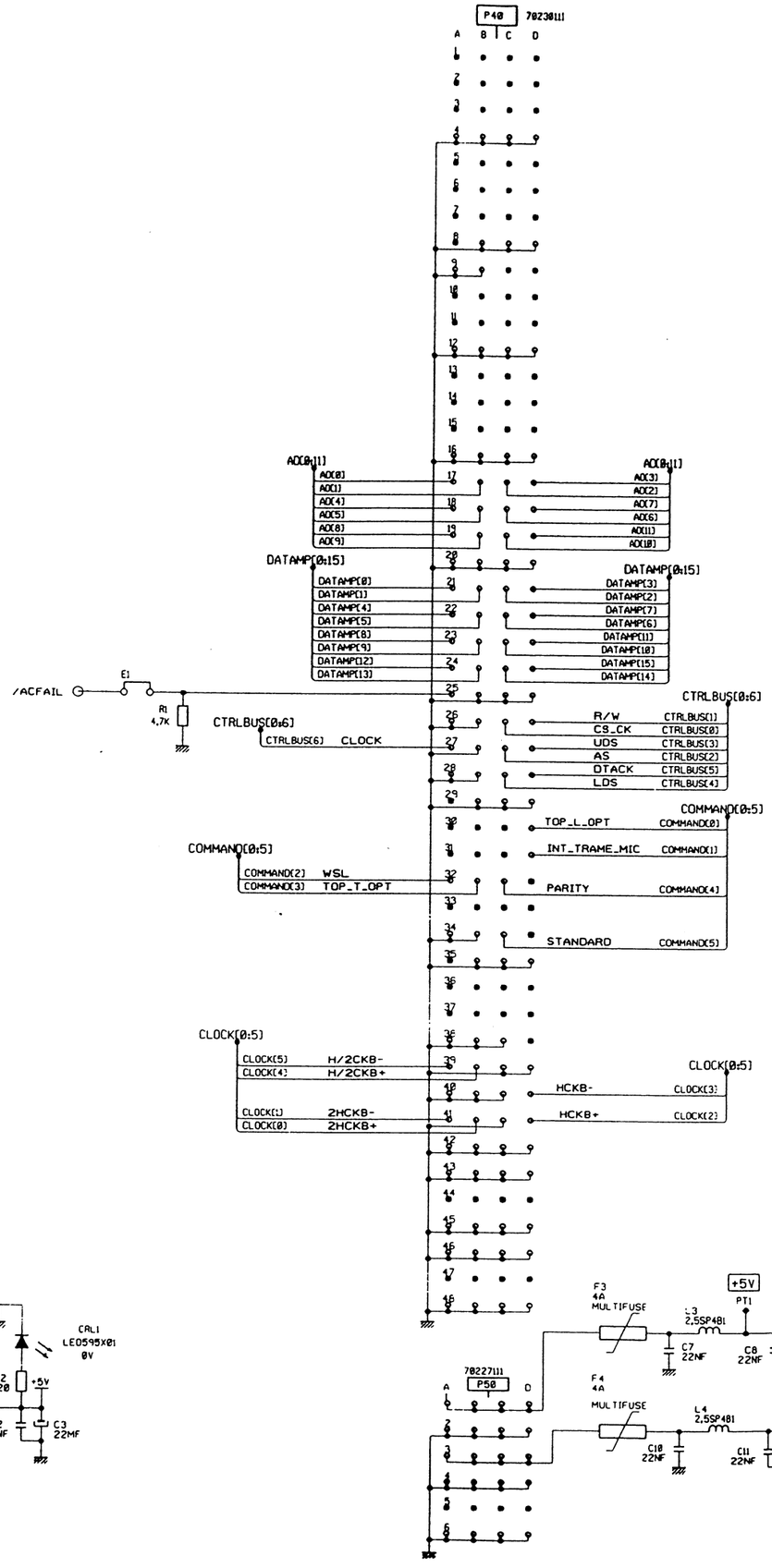
DATA[0:15]
CS[0:23]
CLKMP
MP_CONTROL[0:4]

micropr.sch

**GLOBAL_GND:
**GLOBAL_+5V:

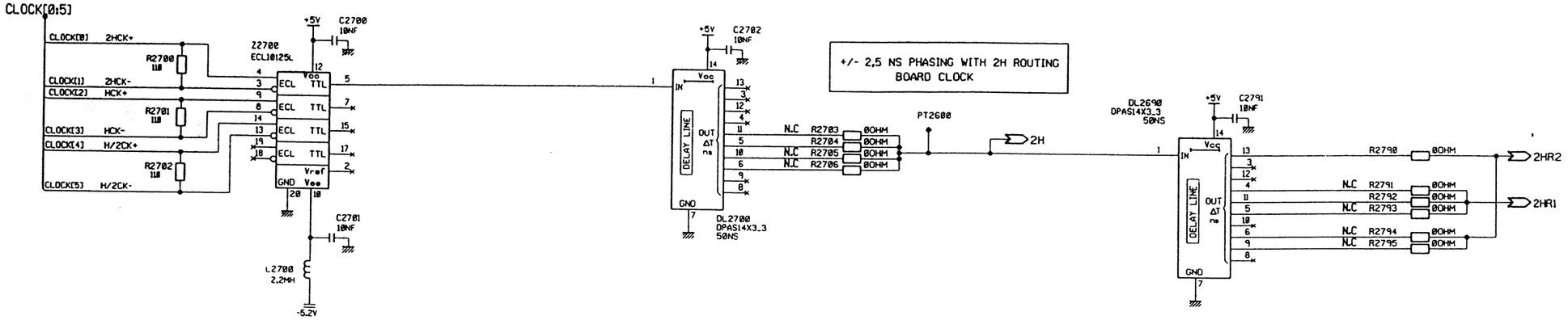
	TTV9200					
	TITLE: MICRO OPTION BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	48032244	A	030	01/07		

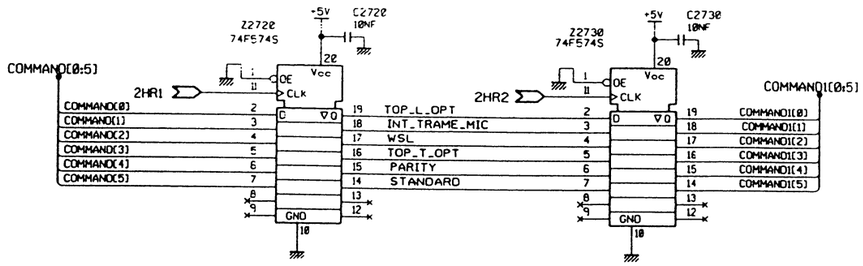




INTERCONNEXION

	TTV9200					
	TITLE: MICRO OPTION BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	4 032244	A	030	02/07		





CLOCK AND PHASING SIGNALS DISTRIBUTION

	TTV9200				
	TITLE: MICRO OPTION BOARD				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	4B032244	A	030	03/07	BF2700

NODE NAME: 470322440 SCHEMATIC NAME: clock.sch SHEET NUMBER: 1 DATE: Feb 13, 1995

MASTER CPU

RESET

Z2900 MAX695S — VBAT, Vcc, BATTON, VO, CEO, LLINE, RE, WDO, PFO, CEI, IN SEL, OSC, WDI, PFI, GND; MICROPROCESSOR SUPERVISORY CIRCUITS

R2900 0OHM N.C. — C2900 0.1MF

WDOG — E2930 — R2930 4.7K — R2931 4.7K — C2930 0.1MF

S2930 RESET F/F

Z2930 74F125S

HALT — CRL2980 LED595X01 0R — R2931 220 — /HALT

RESET — CRL2930 LED595X01 0R — R2932 220 — /RESET

R2933 4.7K — R2934 4.7K — R2833 0OHM

IMP

Z2970 68302G_3 val: 16MHZ — C2970 C2971 C2972 C2973 10NF — CLKMP

XTAL, EXTAL — CLK

RESET, HALT, BERR, BUSW, DISCPU, FRZ — SYSTEM C.

IPL0/IRQ1, IPL1/IRQ6, IPL2/IRQ7, FC, AVEC/IOUT0 — INTERRUPT C.

CLOCK0, AS, R/W, UDS/A0, LDS/DS, DTACK, RMC/IOUT1, IAC, BCLR — BUS CONTROL

BR, BG, BGACK — BUS A.

CS0/IOUT2, CS — CHIP S.

J2970 CLOCK R/W — R2974 R2975 R2976 R2977 R2978 1K

CLOCK0 /AS R/W /UDS /LDS /DTACK

R2979 1K — R2980 1K — /CS_PROM — /CS_RAMCOM — /CS_RAM

/ACFAIL — E2970 — /ACFAIL1

RXD1 TXD1 — RXD1/R1RXD, TXD1/L1TXD, RCLK1/L1CLK, TCLK1/L1SY0, CD1/L1SY1, CTS1/L1GR, RTS1/L1RQ/GCIOCL, BRG1 — MMS11/1SDN — I/F

RTS1

RXD2 TXD2 — RXD2/PA0, TXD2/PA1, RCLK2/PA2, TCLK2/PA3, CTS2/PA4, RTS2/PA5, CD2/PA6, SDS2/PA7 — MMS12/PIO

RTS2

RXD3/PA8, TXD3/PA9, RCLK3/PA10, TCLK3/PA11, CTS3/SPRXD, RTS3/SPTXD, CD3/SPCLK, PA12 — MMS13/SCP/PIO

DREQ/PA13, DACK/PA14, DONE/PA15 — 1DMA

IACK7/PB8, IACK6/PB1, IACK1/PB2 — IACK

TIN/PB3, TOUT1/PB4, TIN2/PB5, TOUT2/PB6, WDOG/PB7 — TIMER

PB8, PB9, PB10, PB11 — PBIO

INTEGRATED MULTI-PROTOCOL PROCESSOR — ADRESS BUS — DATA BUS

GND

PROM BANK

ADCP[1:23] — R3000 0OHM N.C. — R3001 0OHM — C3000 0.1MF — /CS_RAM

ADCP(20) — ADCP(19)

Z3000 EPROM 512KX8 — Vpp, Vcc, OE, CE, A, DO, GND — E512KX80_3 val: 100NS cost: NP

DATACP(0) … DATACP(7)

R3002 0OHM — R3003 0OHM — N.C.

R3010 0OHM — R3011 0OHM — C3010 0.1MF

Z3010 EPROM 512KX8 — E512KX80_3 val: 100NS cost: NP

R3012 0OHM — R3013 0OHM — N.C.

ADCP[1:23] — DATACP[0:15]

RAM BANK

ADCP[1:23] — R3022 0OHM — R3023 4.7K N.C. — /CS_RAM — C3020 0.1NF

R3020 0OHM N.C. — R3021 0OHM — /RD — LOWORD — OE, WE, CS

Z3020 SRAM 128KX8 — 1/O, A — S128KX8F 70NS

R3030 0OHM N.C. — R3031 0OHM — C3030 0.1NF

/RD — HIWORD

Z3030 SRAM 128KX8 — S128KX8F 70NS

FREE

Z2930 74F125S

COMMUNICATION MICROPROCESSOR

Z2940 EP16V8CD_3 15NS cost: NP — C2940 0.1NF

CLOCK0 — R2940 220 — /AS, R/W, /UDS, /LDS — /RD, LOWORD, HIWORD

R3045 R3046 R3047 R3048 0OHM

ADCP[1:23] — ADCP(20), ADCP(21), ADCP(22), ADCP(23)

Z2950 DS2KX8L val: 70NS cost: NN — C2950 0.1NF — SRAM 2KX8

/CS_RAMCOM — /CS_RAM — R/W — R/W_MP — CS

AD[0:10] — DATACP[0:7] — DATA[0:15] — BUSY

CRL2960 LED595X01 0V — F/F — IN PROGRESS — R2960 220

Z2960 74HCT123S — CX, RX/CX, R — C2960 4.7MF — R2961 220K — IN_PROGRESS — R2962 4.7K

LINKS_OVER — R3034 4.7K

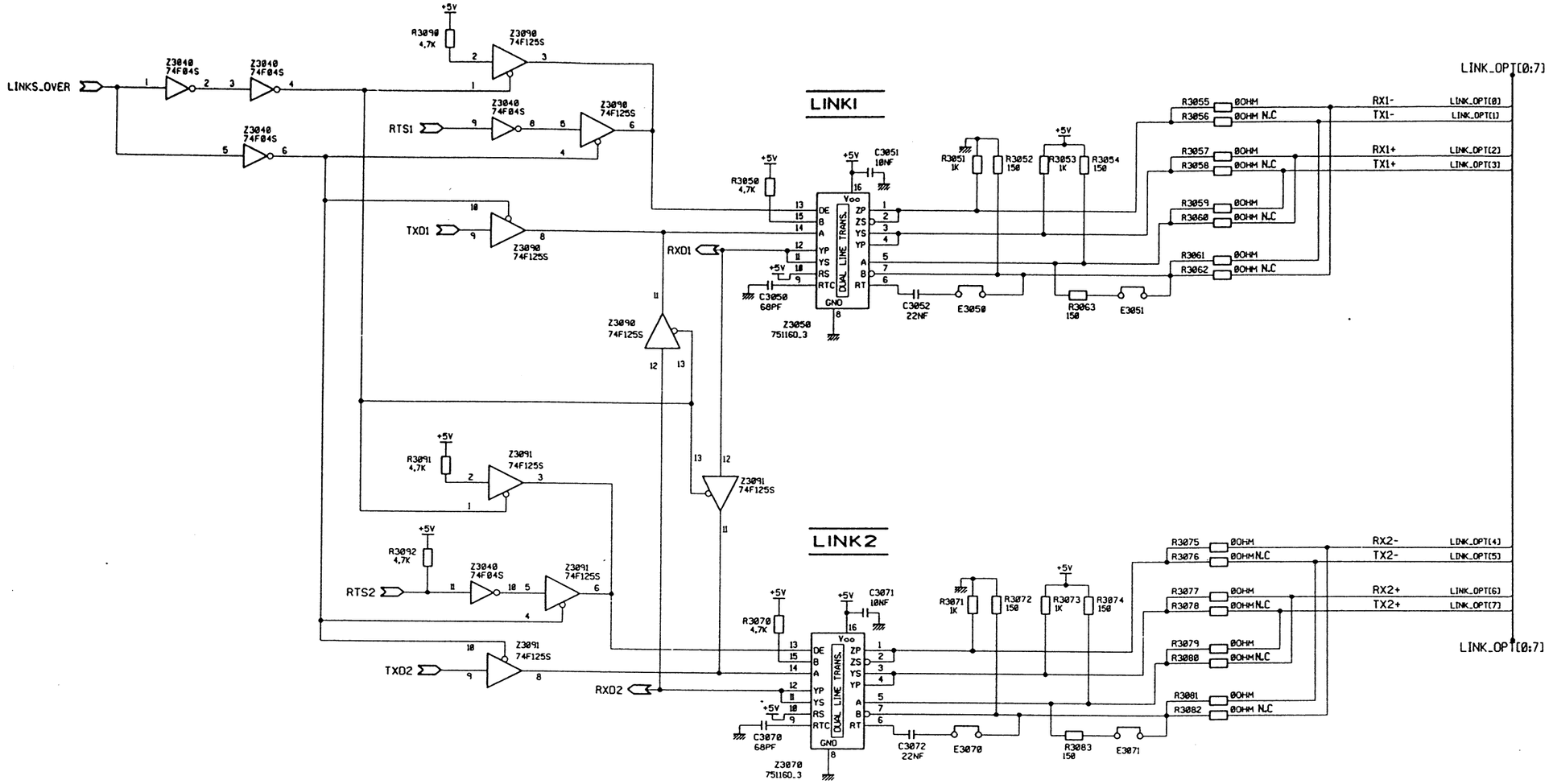
COMMAND[0:5] — COMMAND[4], COMMAND[1] — WDOG

Z2930 74F125S — C2931 0.1NF

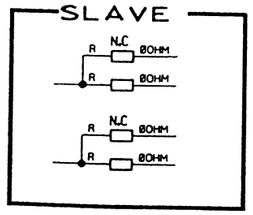
Z2960 74HCT123S — C2961 0.1NF

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	TITLE: MICRO OPTION BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	48032244	A	030	04/07	BF2900	

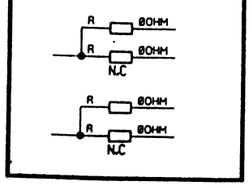
NODE NAME: 47032244a13 SCHEMATIC NAME: comumicro.sch SHEET NUMBER: 1 DATE: Feb 13, 1995



SLAVE

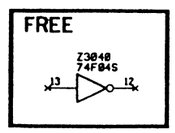


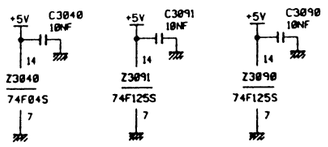
MASTER



OPTION LINKS

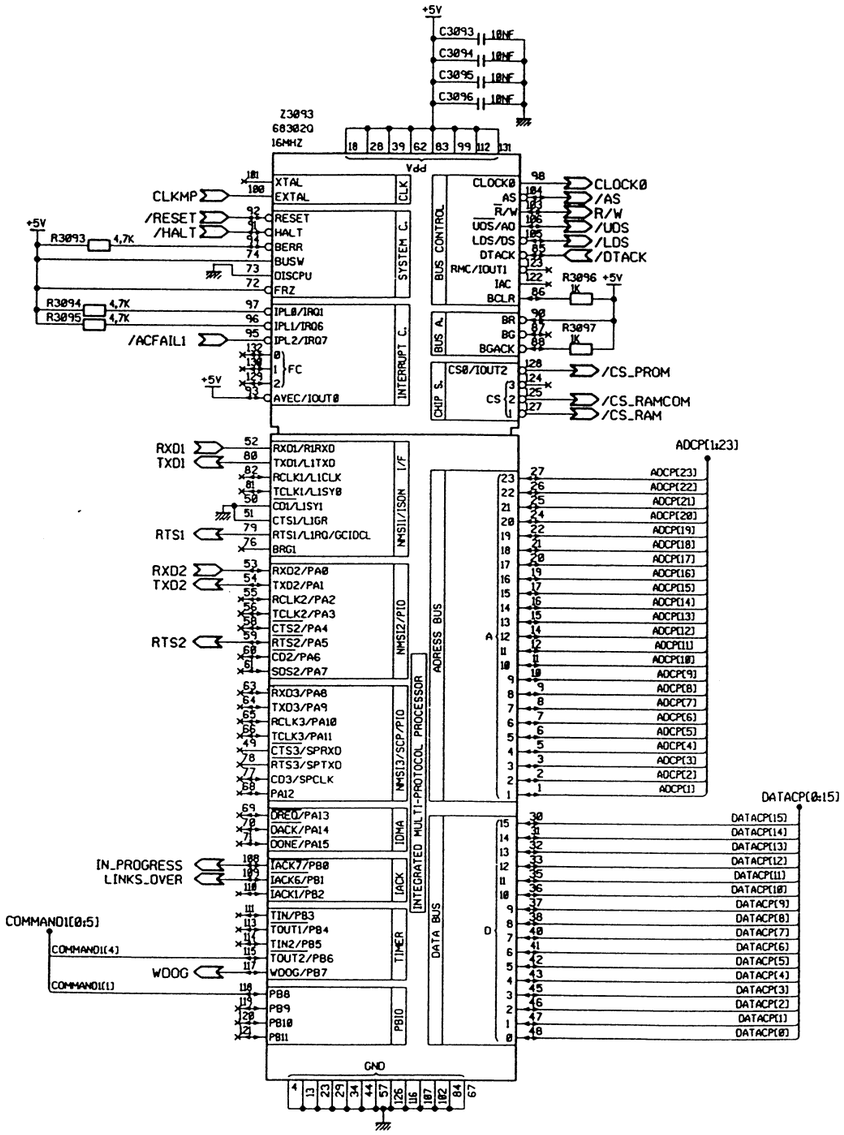
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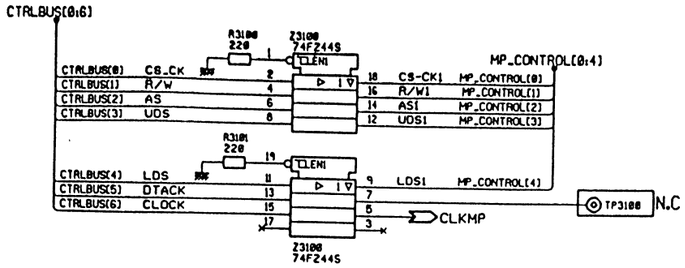
COMMUNICATION MICROPROCESSOR

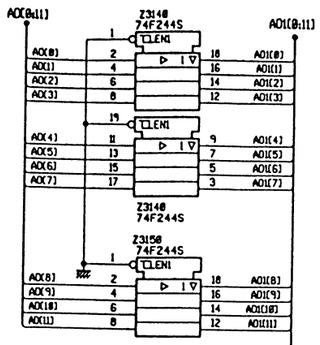
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	TITLE: MICRO OPTION BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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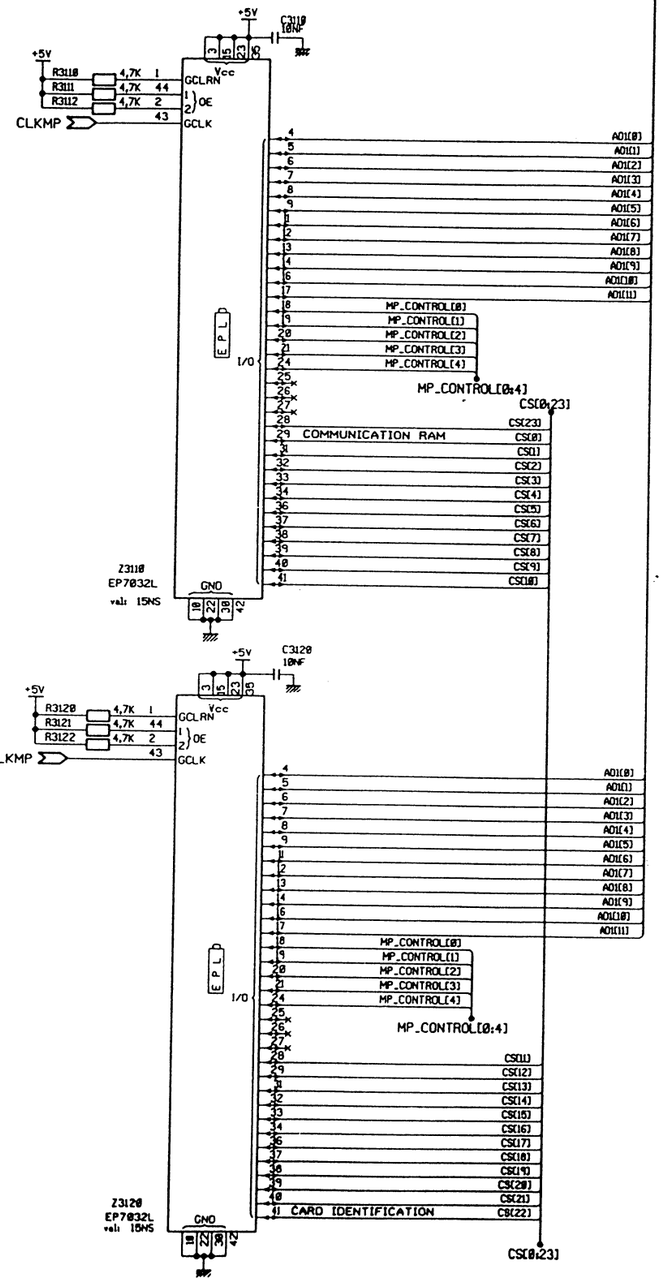


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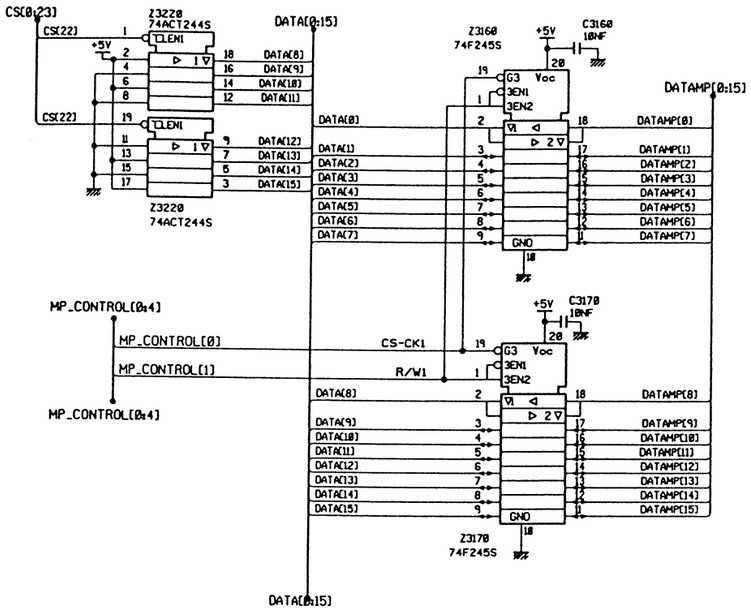
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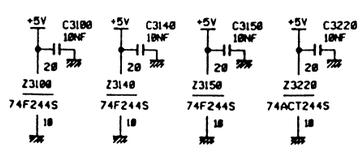




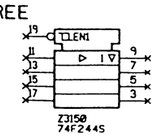


IDENTIFICATION BYTE





FREE



MICROPROCESSOR INTERFACE

	TTV9200					
	TITLE: MICRO OPTION BOARD					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	48032244	A	030	07/07	BF3100	

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Recapitulation des indices (REV) par feuille

Feuille	A	B	C	D	E	F	J	G	H	K	L	M	N	P	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
01																															
02	X																														
03	X																														
04	X																														
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Feuille A B C D E F J G H K L M N P R S T U V W X Y Z AA AB AC AD AE AF AG AH

Recapitulation des indices (REV) par feuille

DEMANDE	REV	MODIFICATION	DESS/VERIF	DATE
22288	B	application de la D.E		
	A	CREATION DU SCHEMA		

EVOLUTION SCHEMA

DESIGN-DRAW	JL.COUSINET	DATE	14-02-95
VERIF-APPROVED	JL.BOISSEAU	DATE	14-02-95
THOMSON			

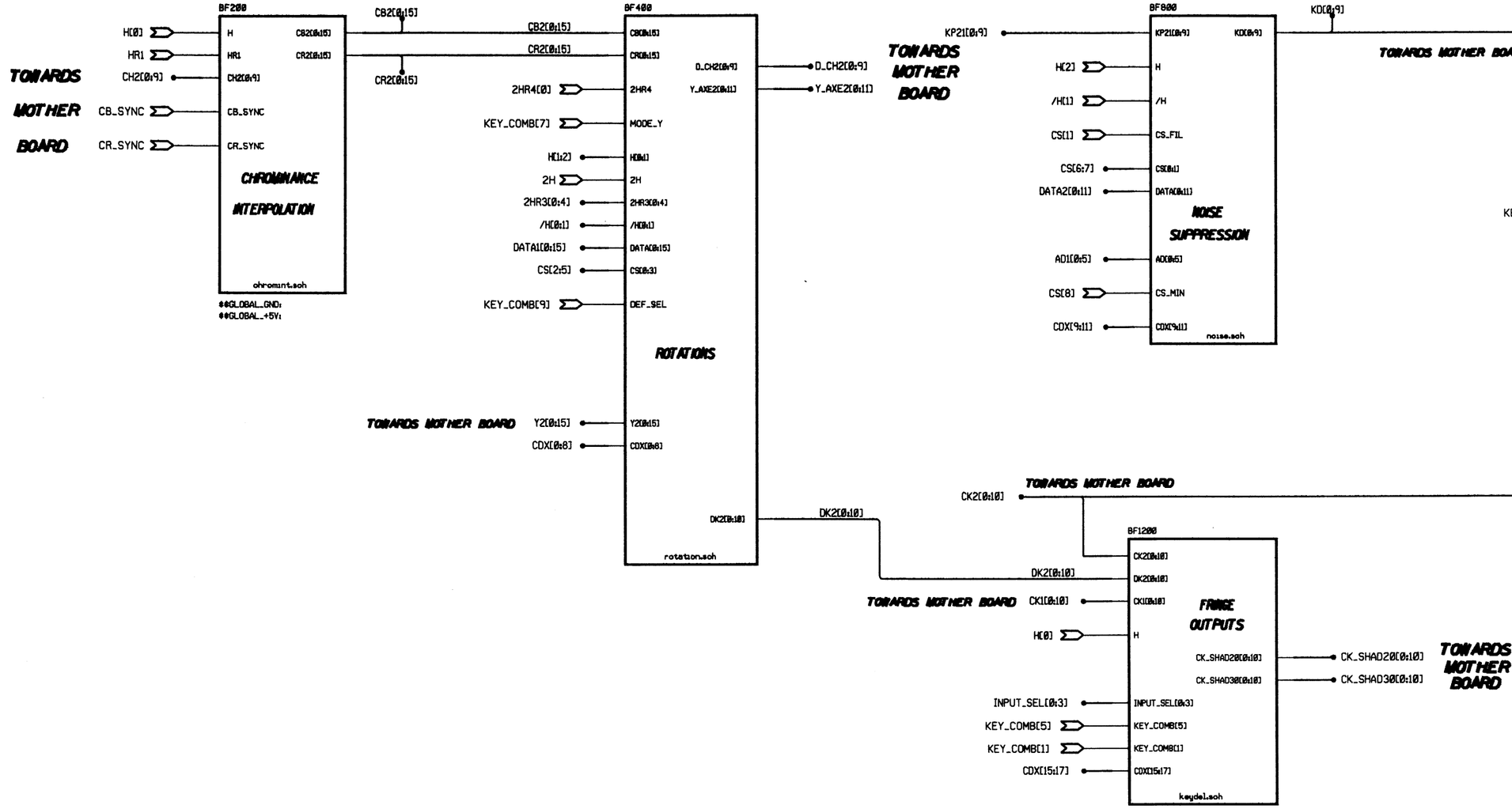
TTV920

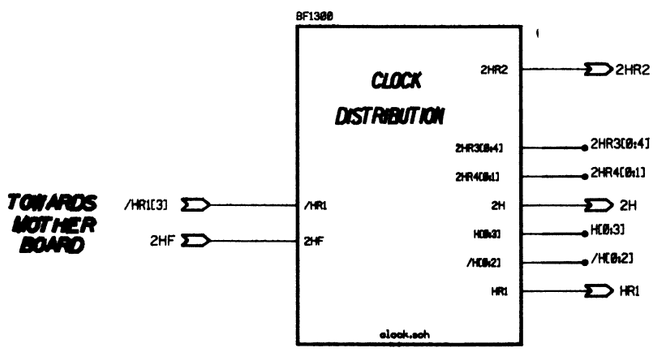
TITLE: CHROMA KEY 2nd CHANNEL

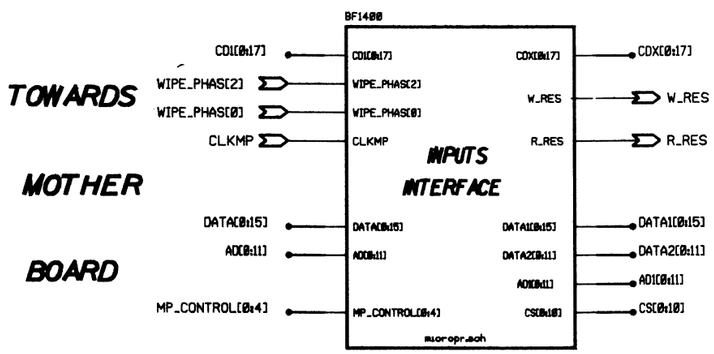
DRAWING NO	REV	CODE	SHEET
46150328	B	030	100

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	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
THOMSON	46150328	A	030	02/17		

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MOTHER BOARD

XILINX PROMS

HORIZONTAL ROTATION = Z500

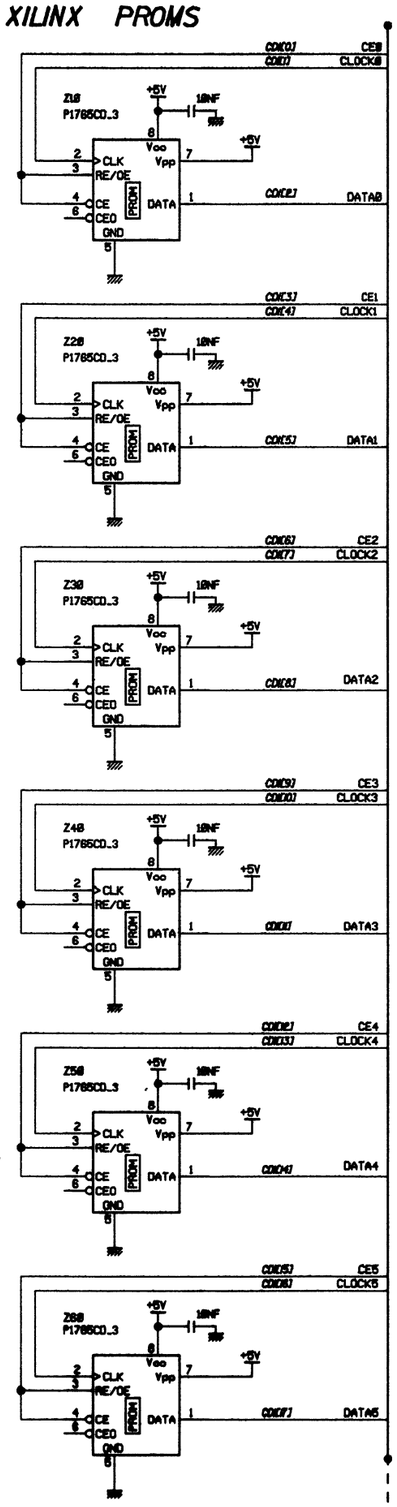
VERTICAL ROTATION = Z620

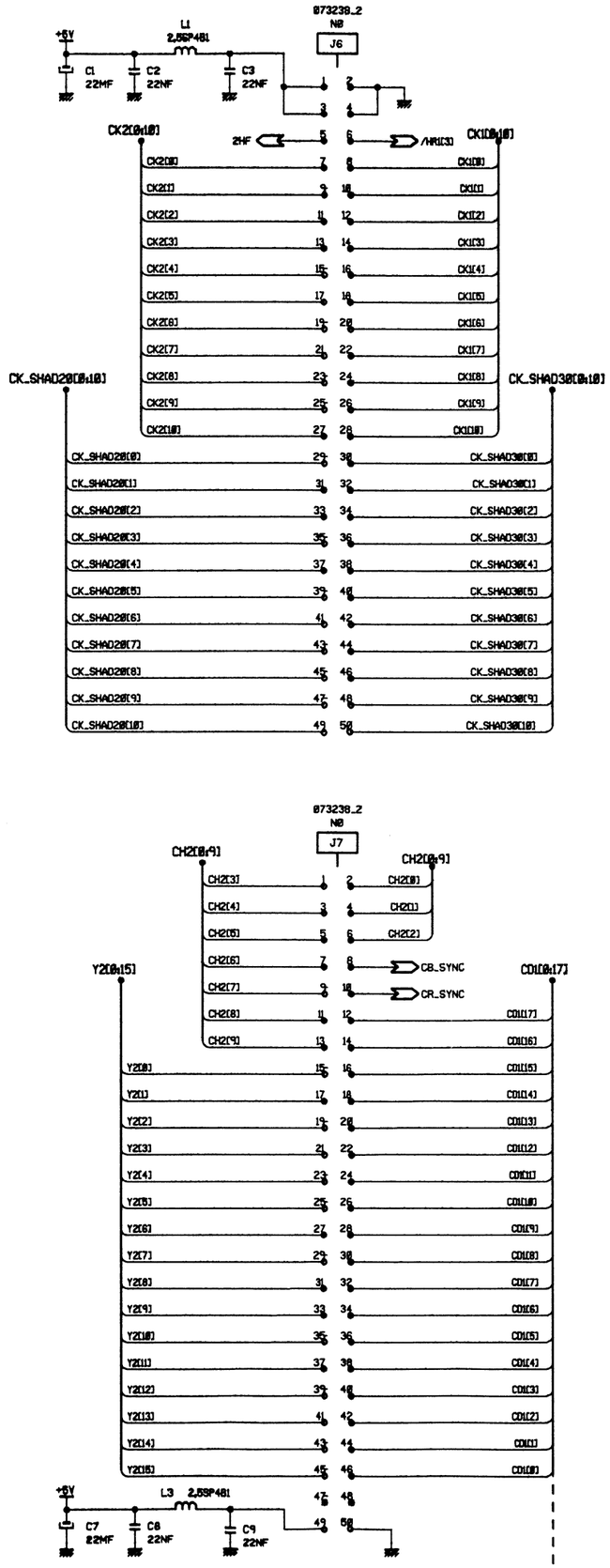
DEFRANGING KEY AND LUMINANCE = Z850

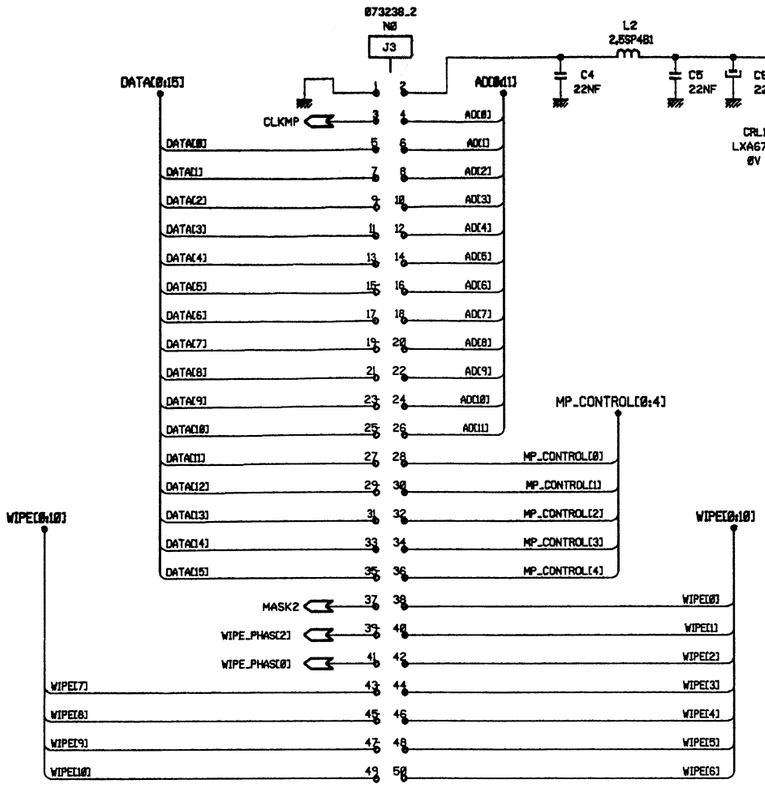
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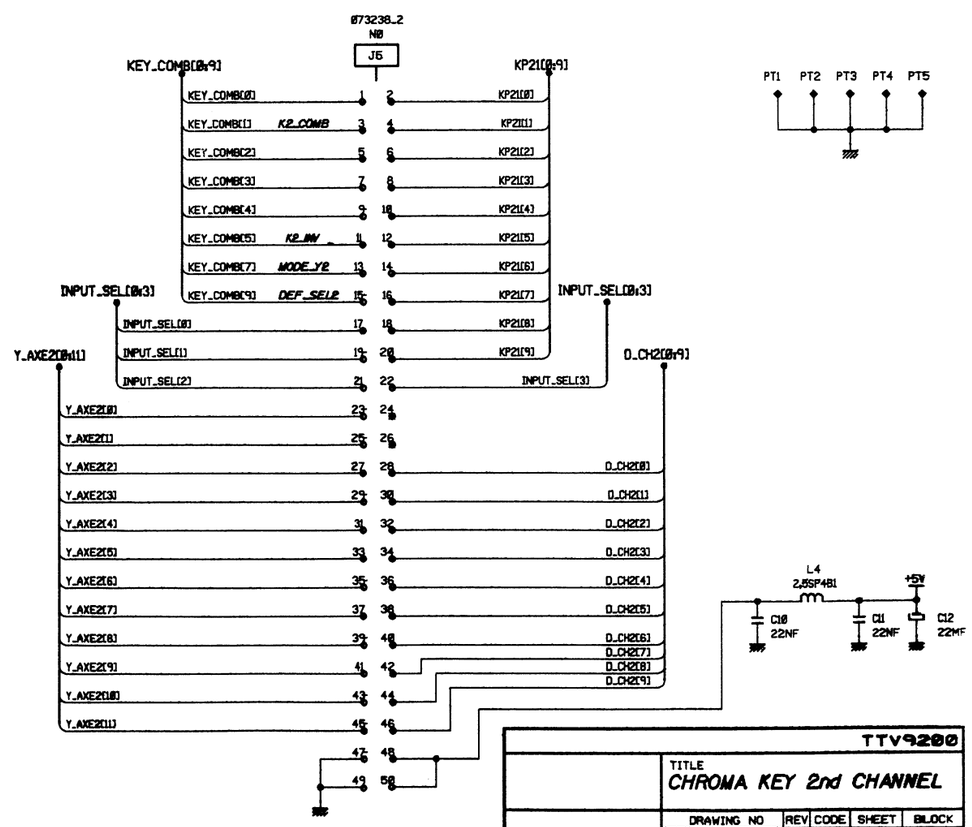
MASK AND FILTER DEMUX

DEFRANGING KEY CONDITIONNING







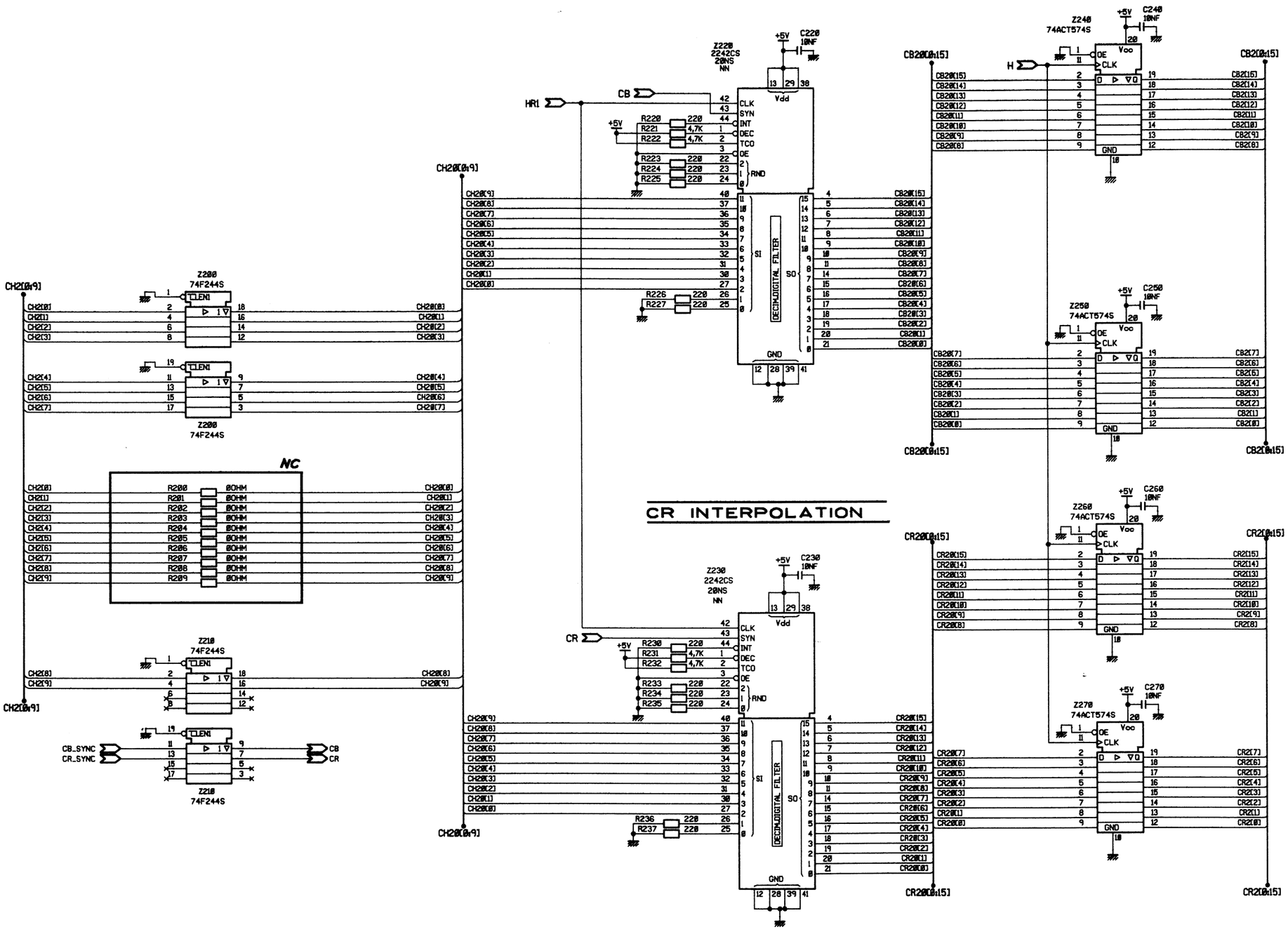


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THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	030	03/17	BF3	

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CB INTERPOLATION



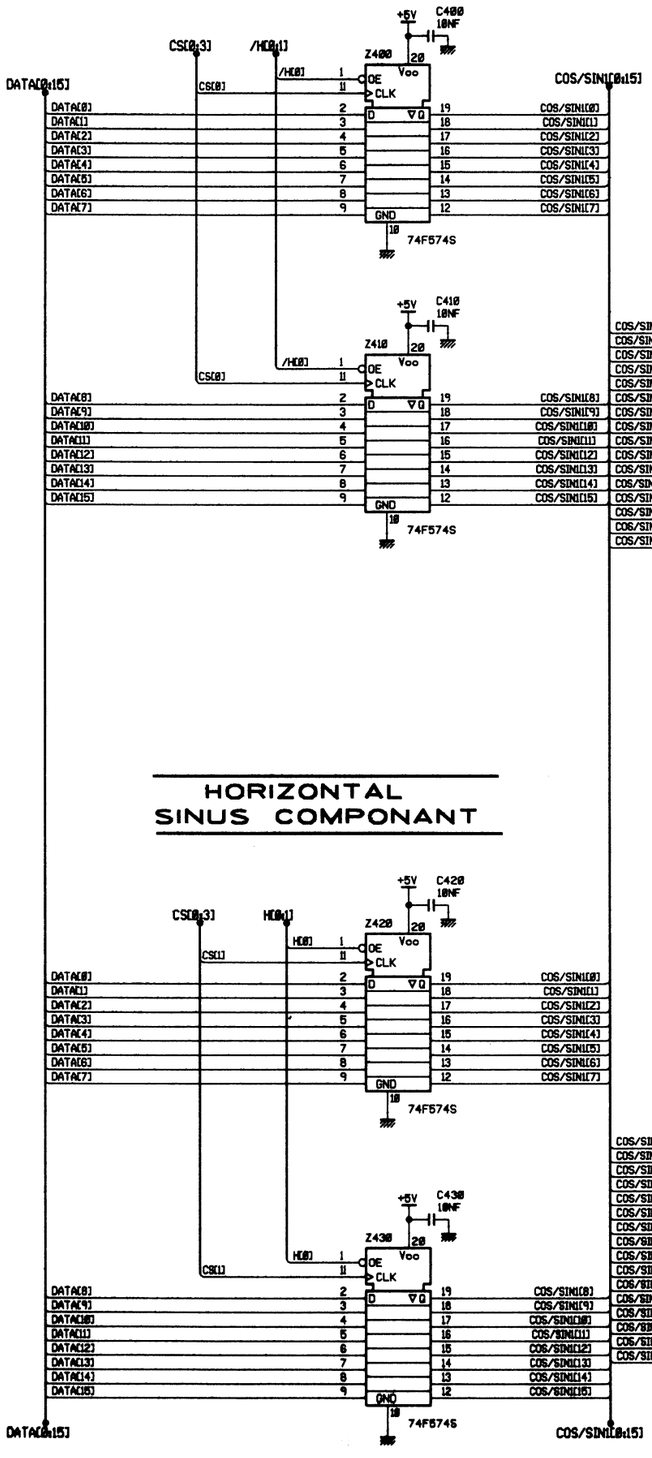
CHROMINANCE INTERPOLATION

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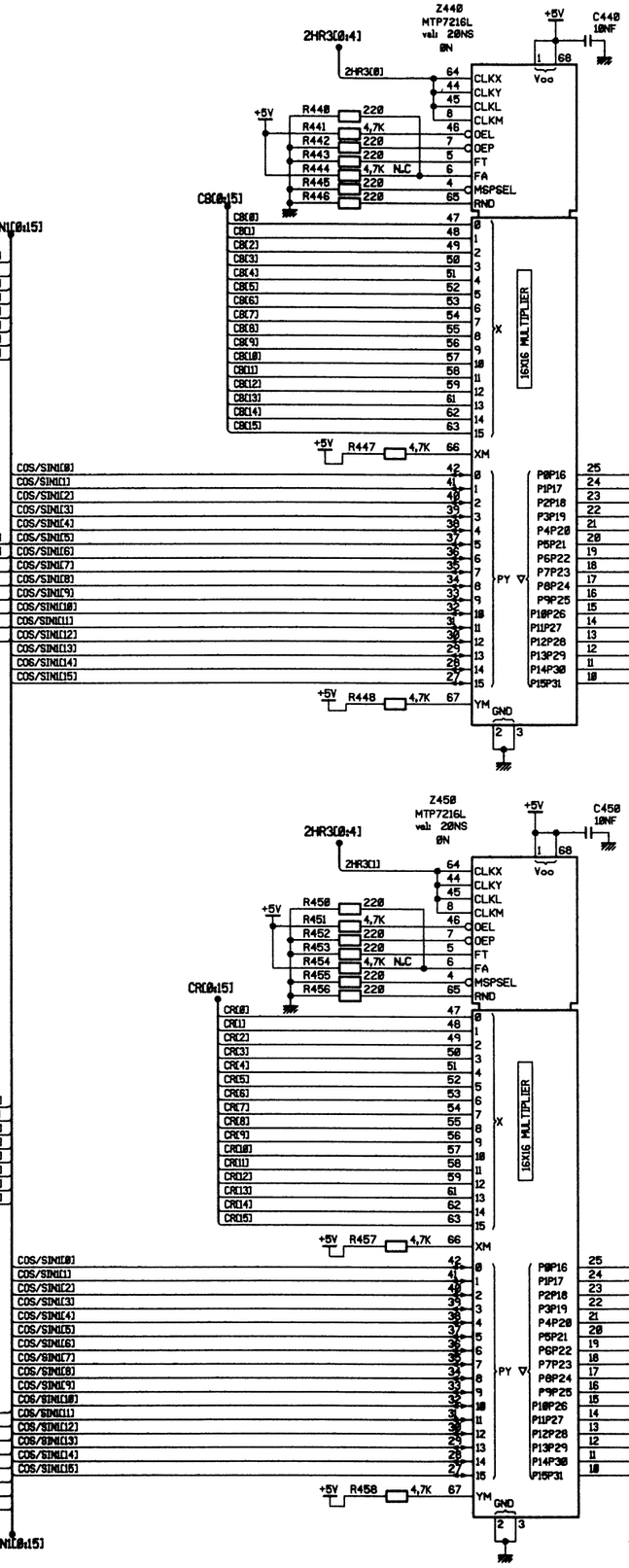
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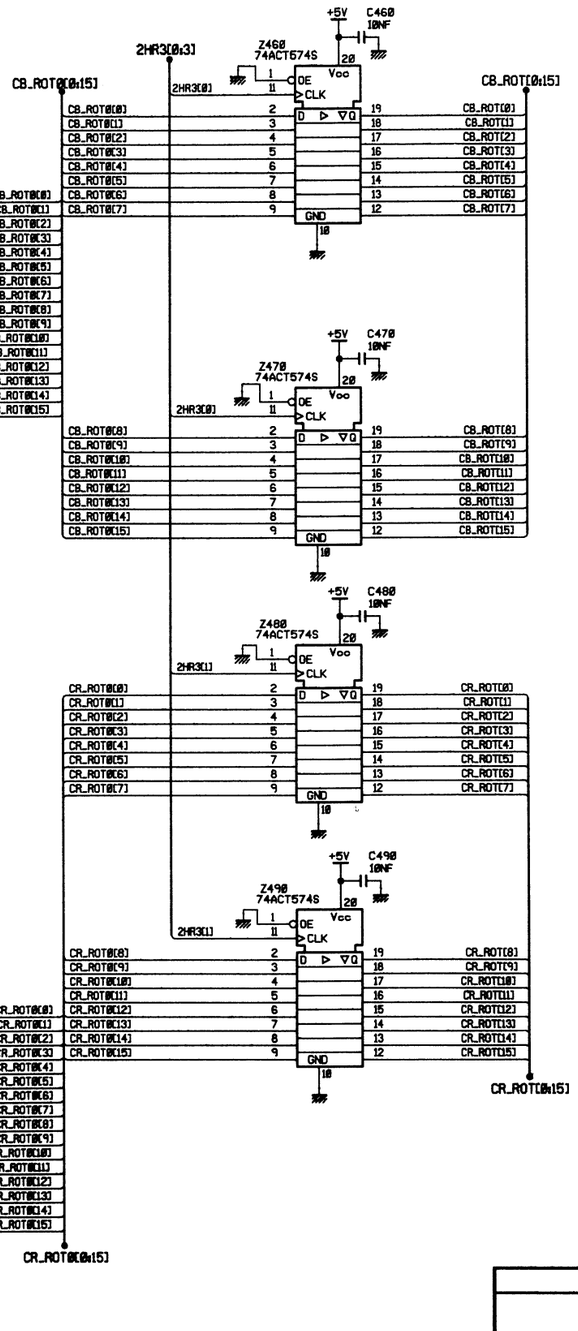
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HORIZONTAL COSINUS COMPONANT



HORIZONTAL SINUS COMPONANT



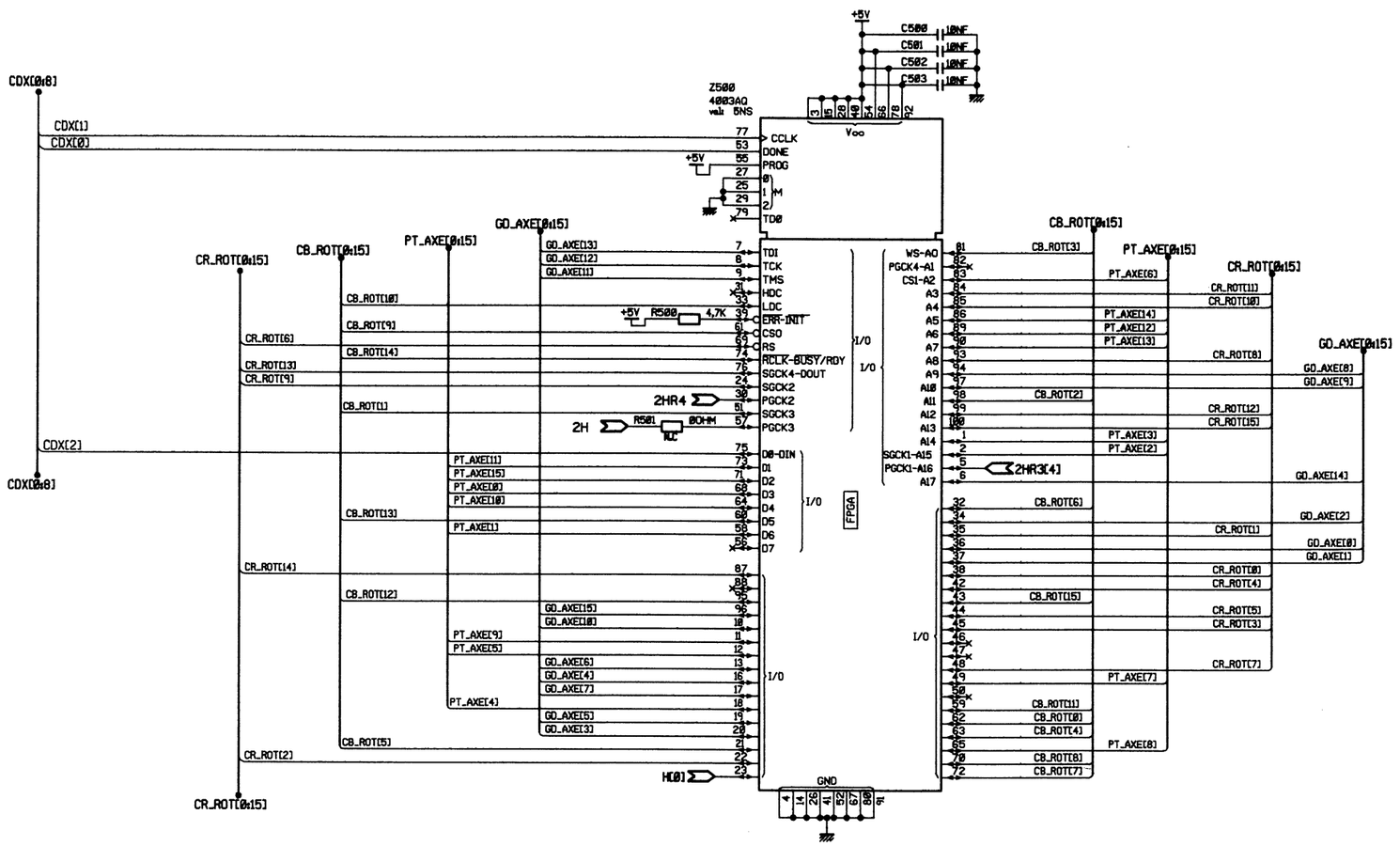


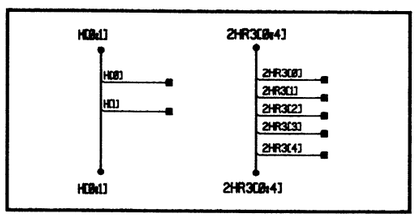
ROTATIONS

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THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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HORIZONTAL ROTATION





ROTATIONS

	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	030	06/17	BF400	

NODE NAME: 46150328a5 SCHEMATIC NAME: rotation.sch SHEET NUMBER: 2 DATE: Feb 13, 1995

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VERTICAL COSINUS COMPONANT

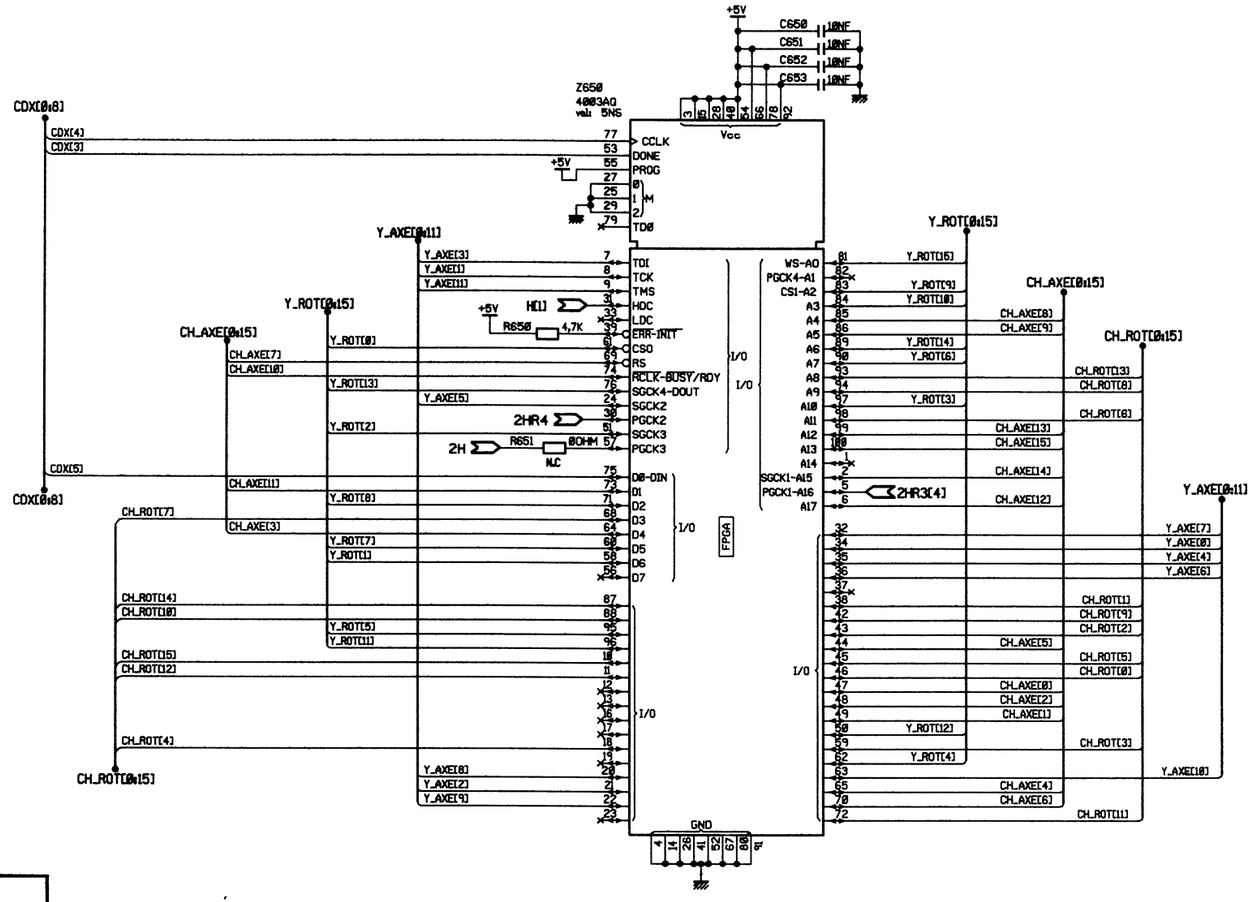
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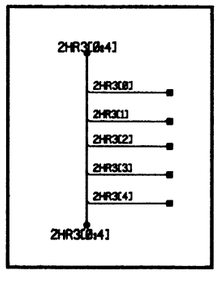
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VERTICAL ROTATION





ROTATIONS

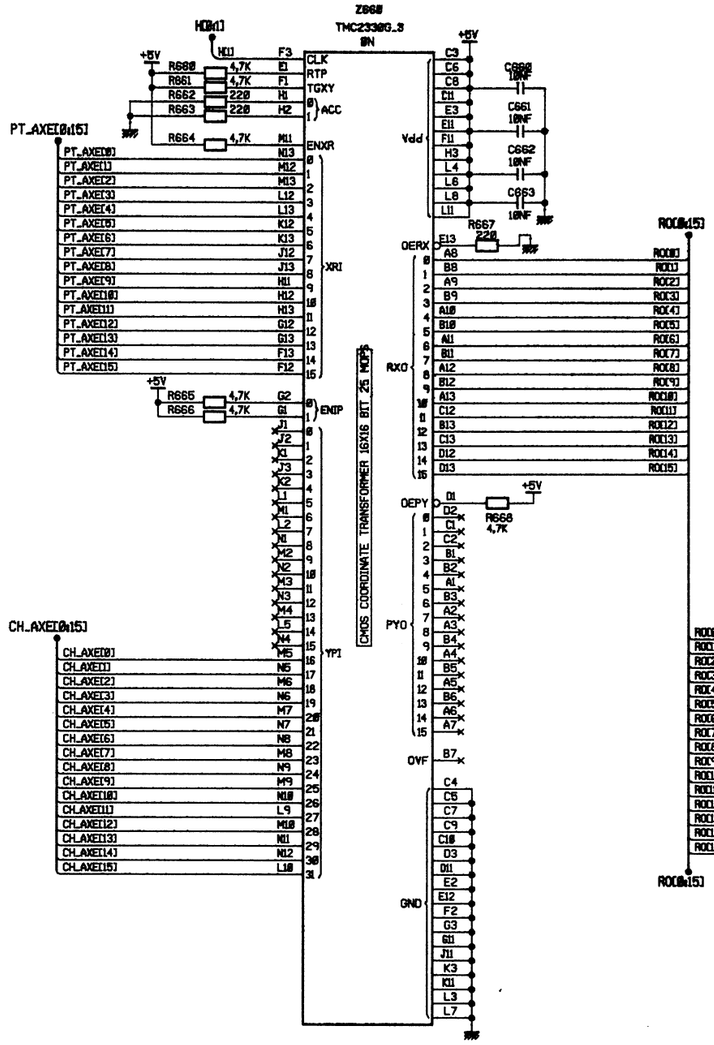
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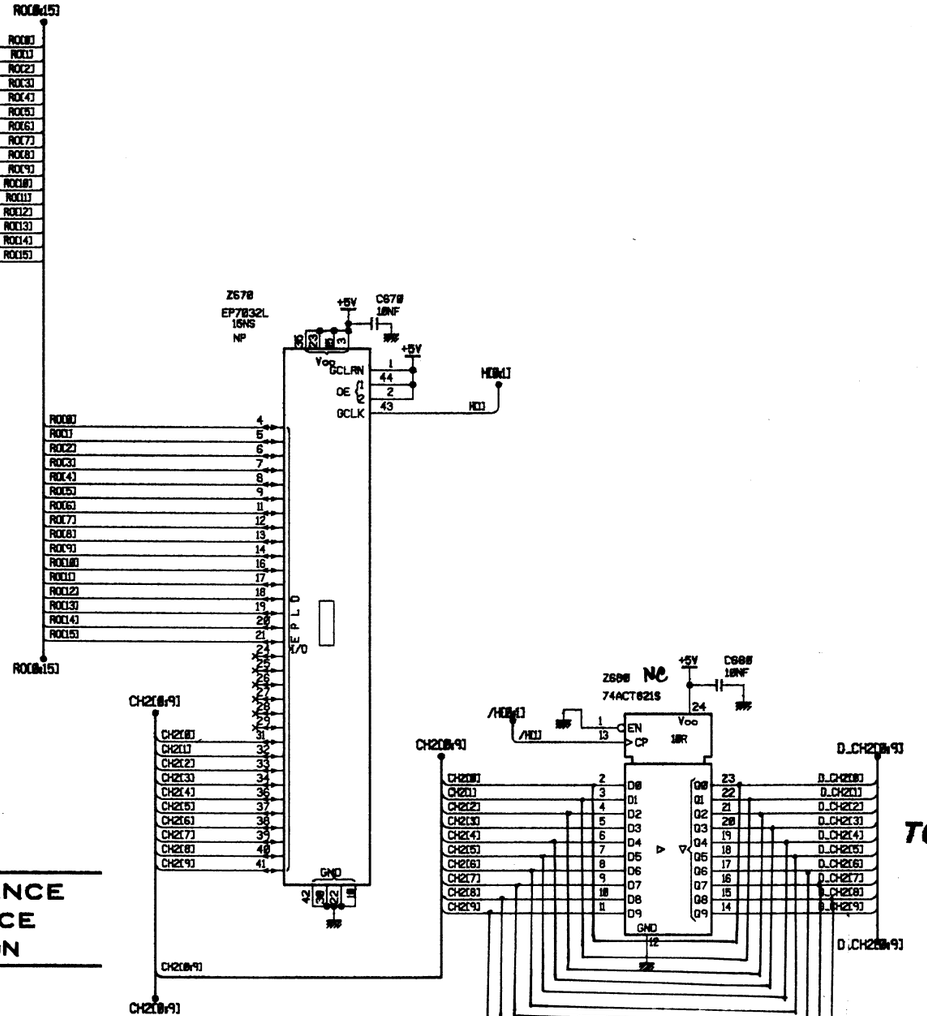
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CIRCULAR DISTANCE





CHROMINANCE DISTANCE LIMITATION

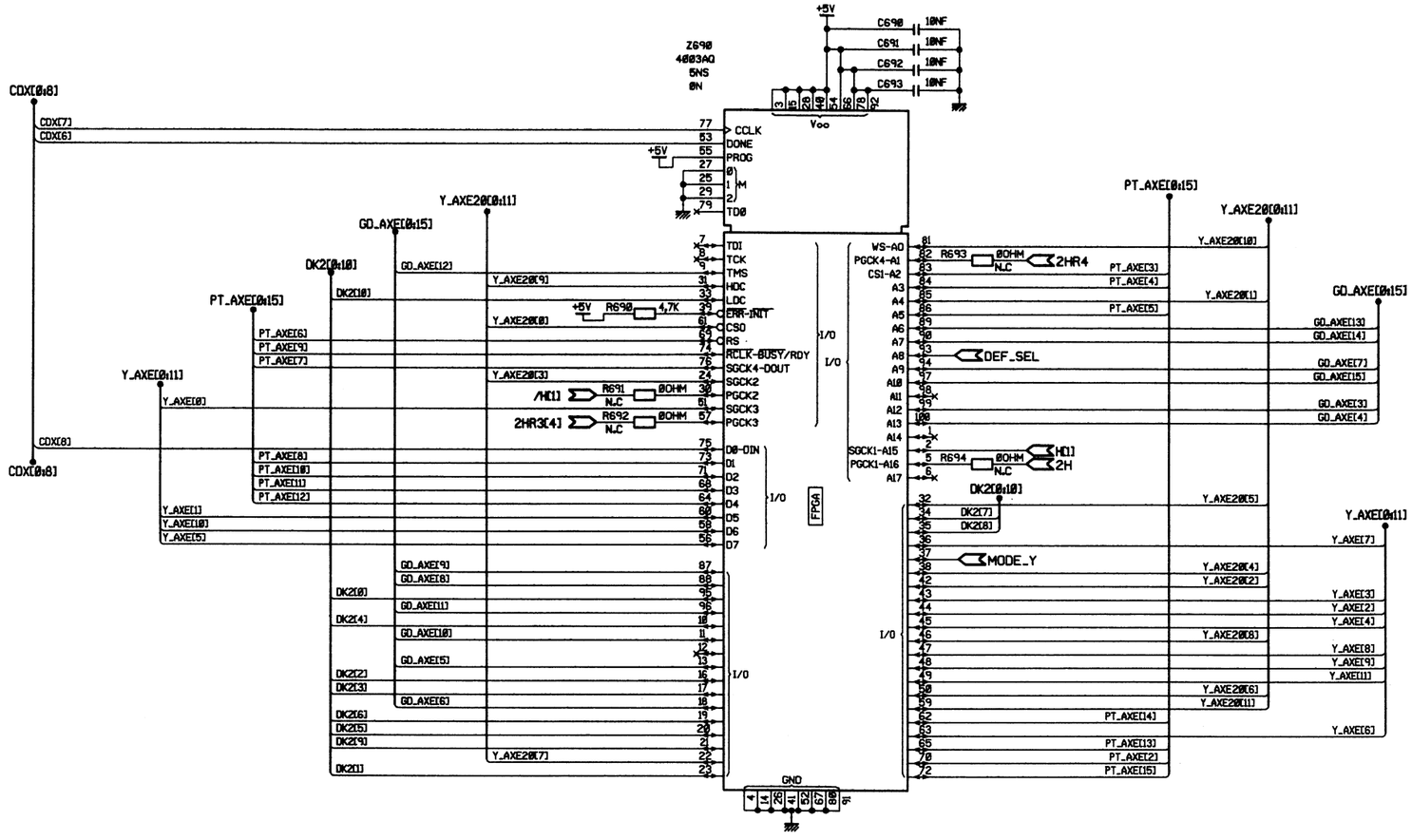
TOWARDS MOTHER BOARD

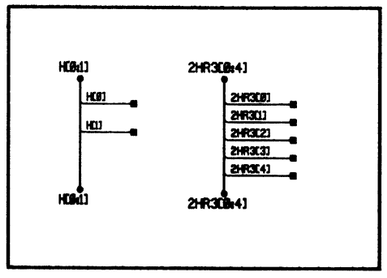
ROTATIONS

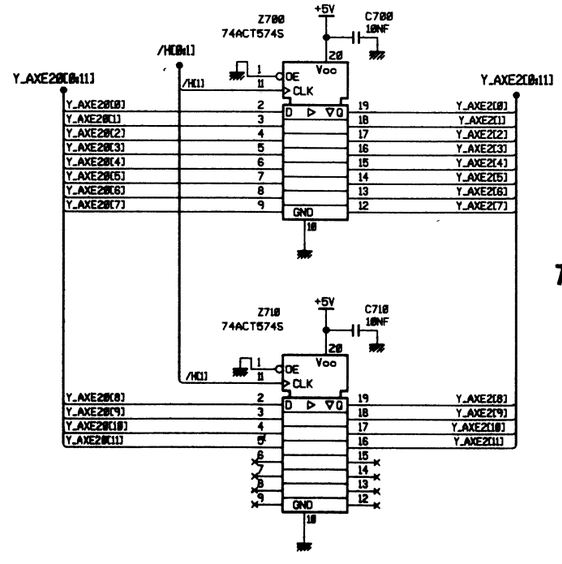
	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	B	030	09/17	BF488	

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DEFRANGING KEY AND LUMINANCE MODE







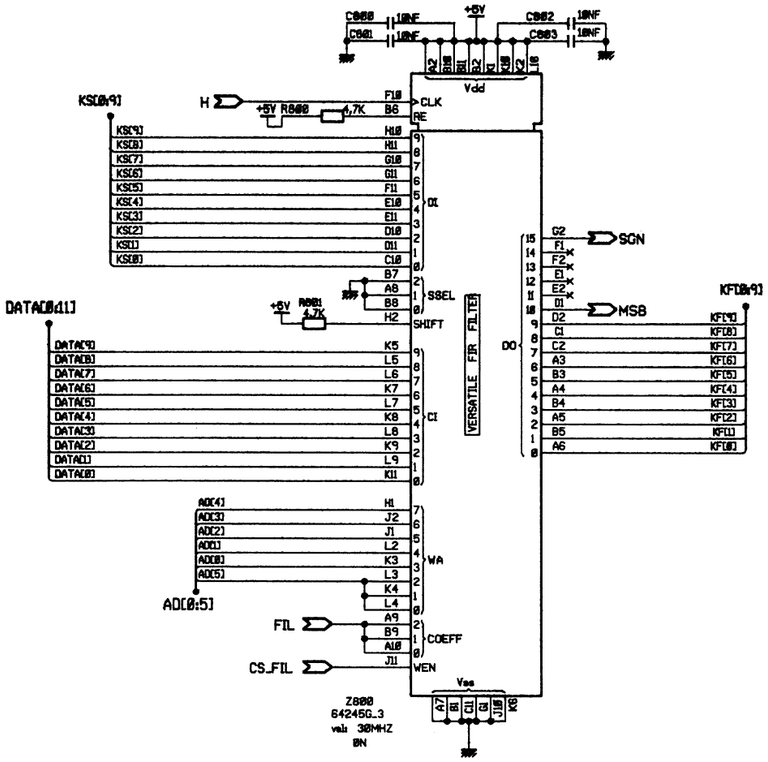
TOWARDS MOTHER BOARD

ROTATIONS

	TTV9200				
	TITLE: CHROMA KEY 2nd CHANNEL				
THOMSON	DRAWING NO: 46150328	REV: A	CODE: 030	SHEET: 10/17	BLOCK: BF400

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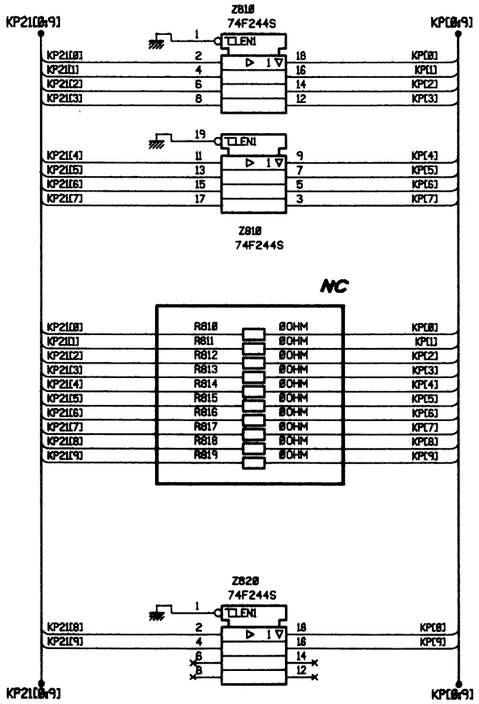


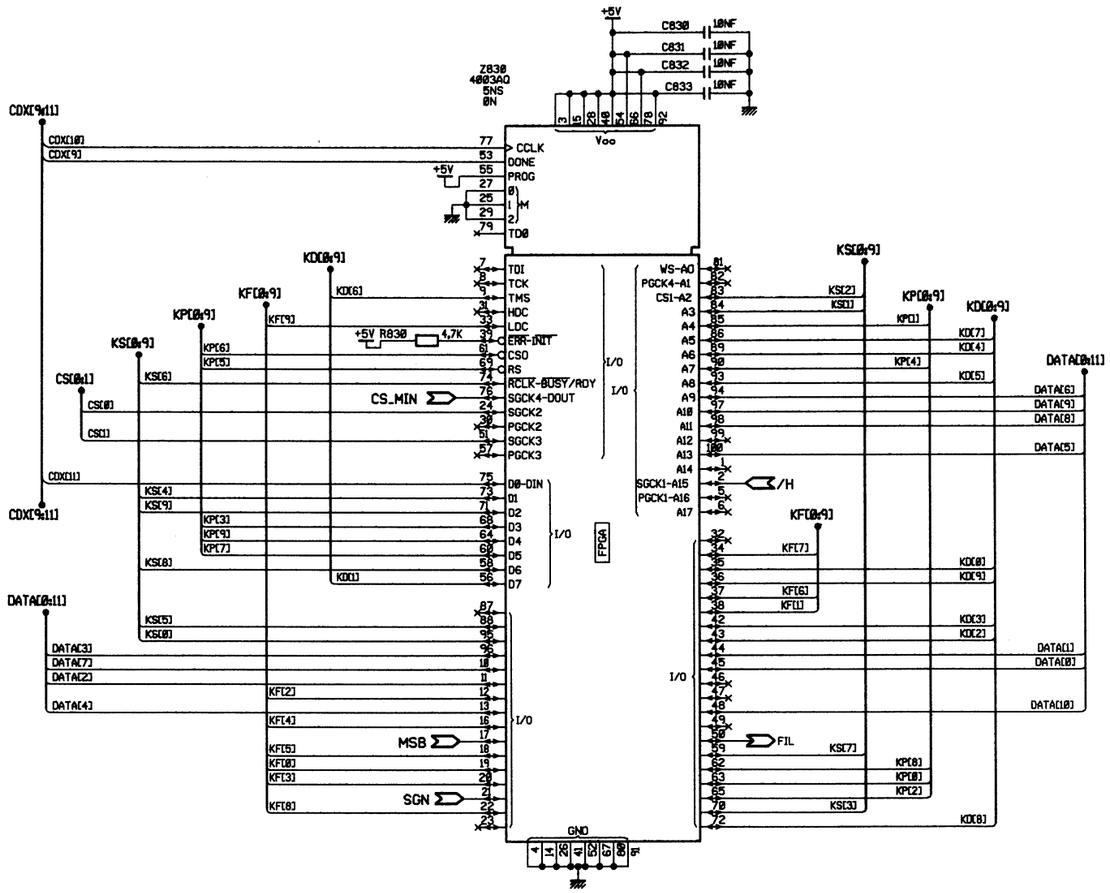
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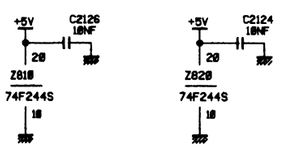
NOISE SUPPRESSION

	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	Ø3Ø	11/17	BF8ØØ	

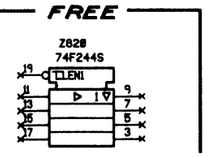
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FREE



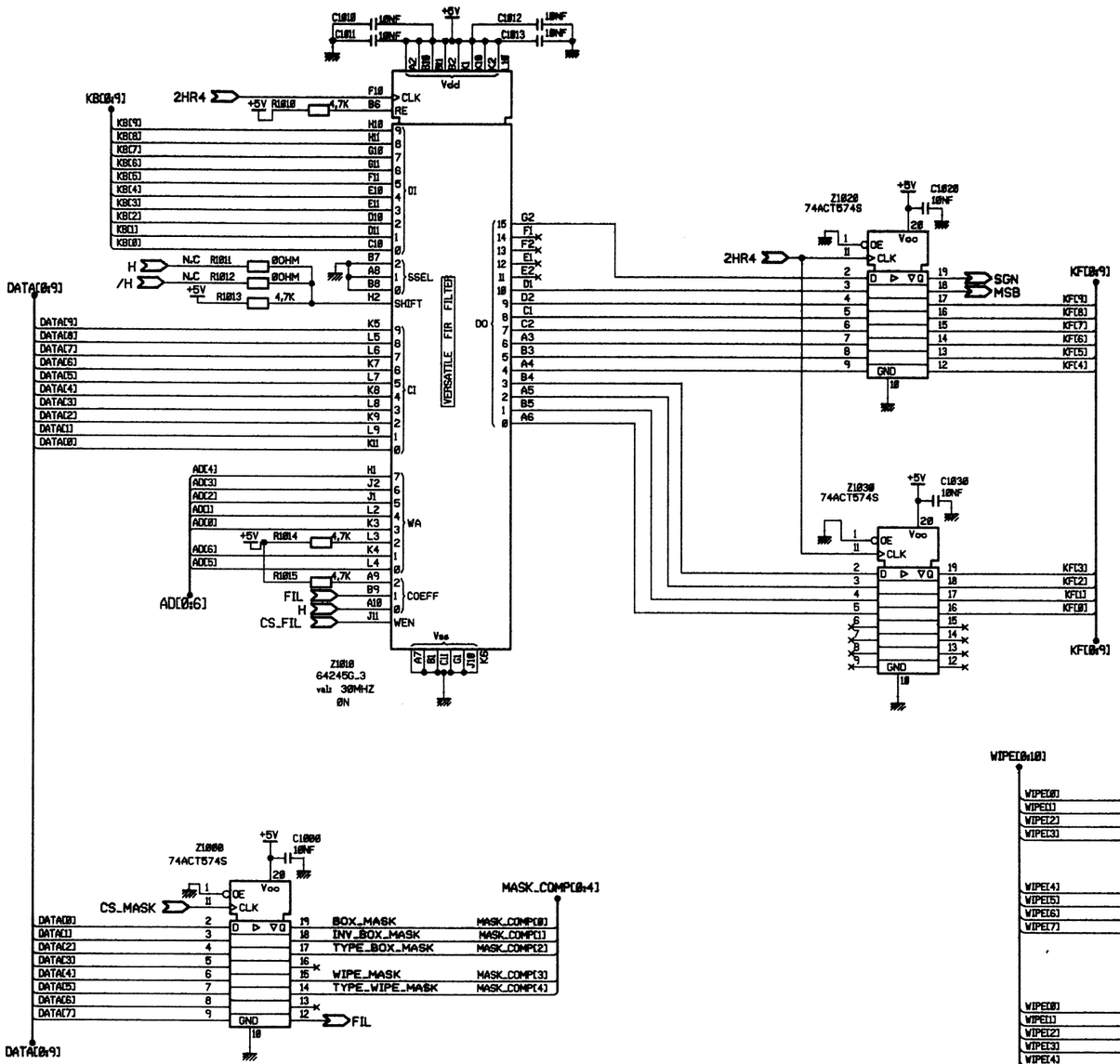
NOISE SUPPRESSION

						TTV9200
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	030	12/17	BF800	

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RIGHT AND LEFT FILTERS MULTPLEX



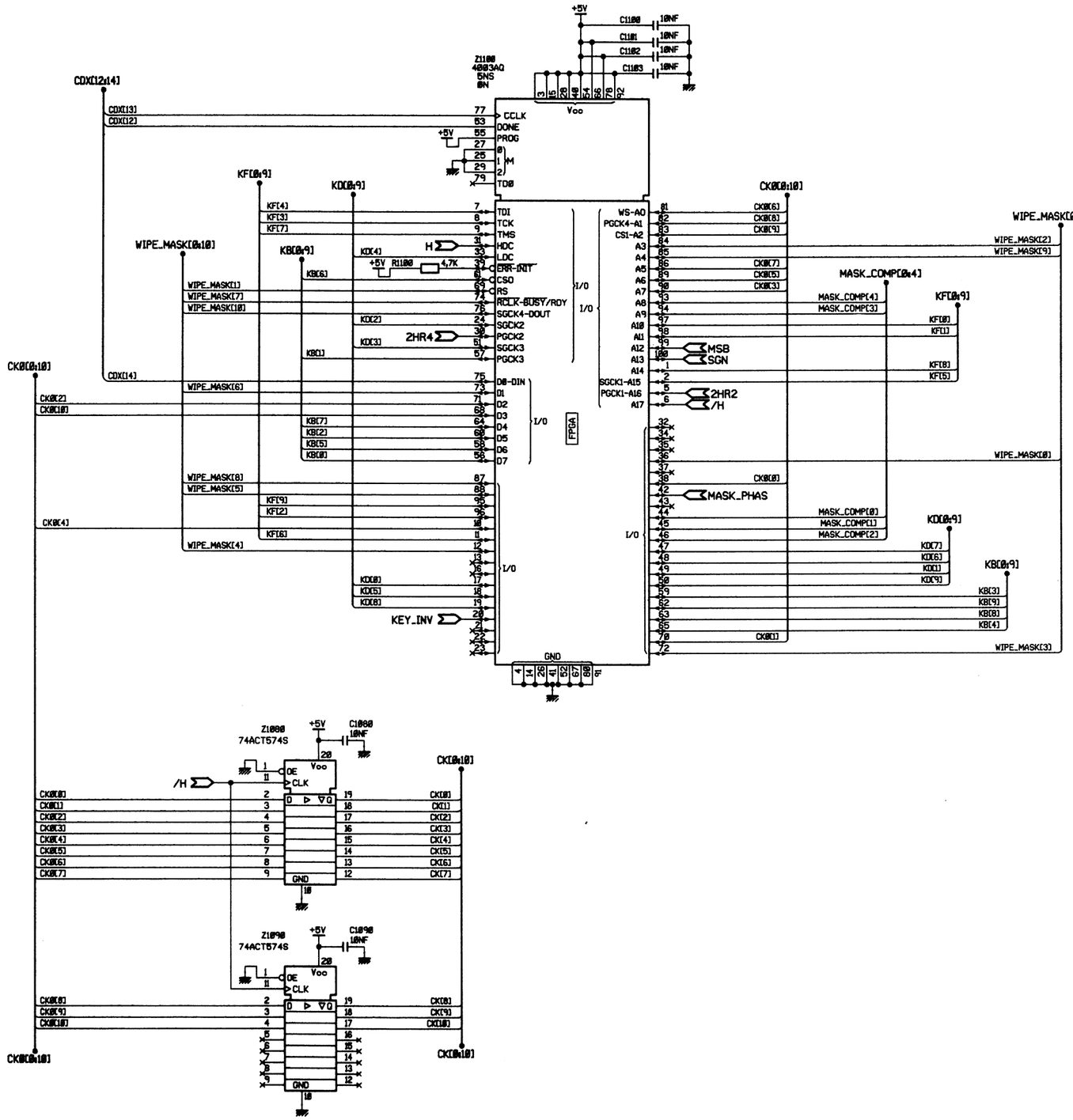
KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	030	13/17	8F1000	

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MASK AND FILTER DEMUX



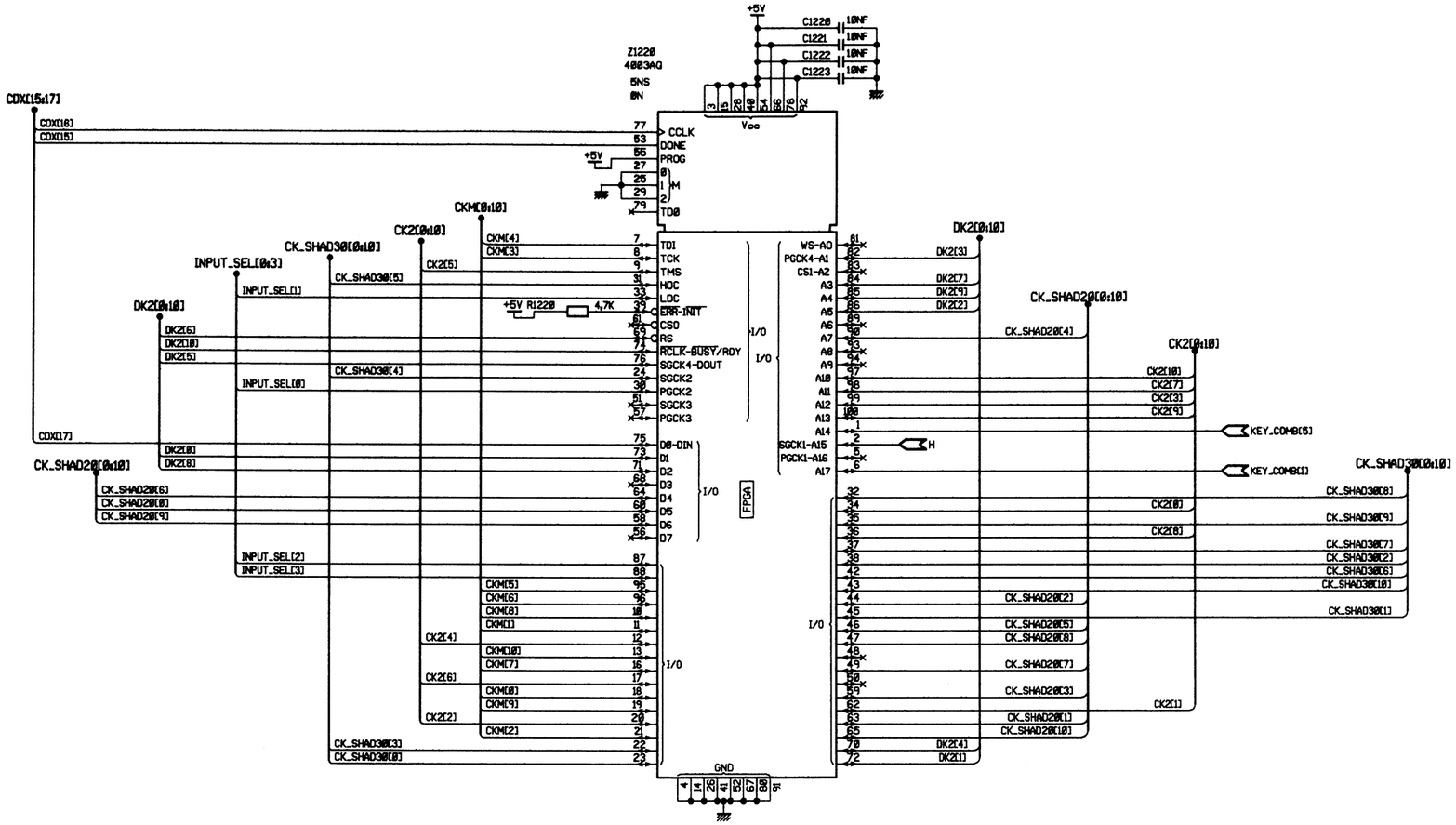
KEY COMPOSE AND FILTER

	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	46150328	A	030	14/17	BF1000	

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DEFRANGING KEY CONDITIONNING



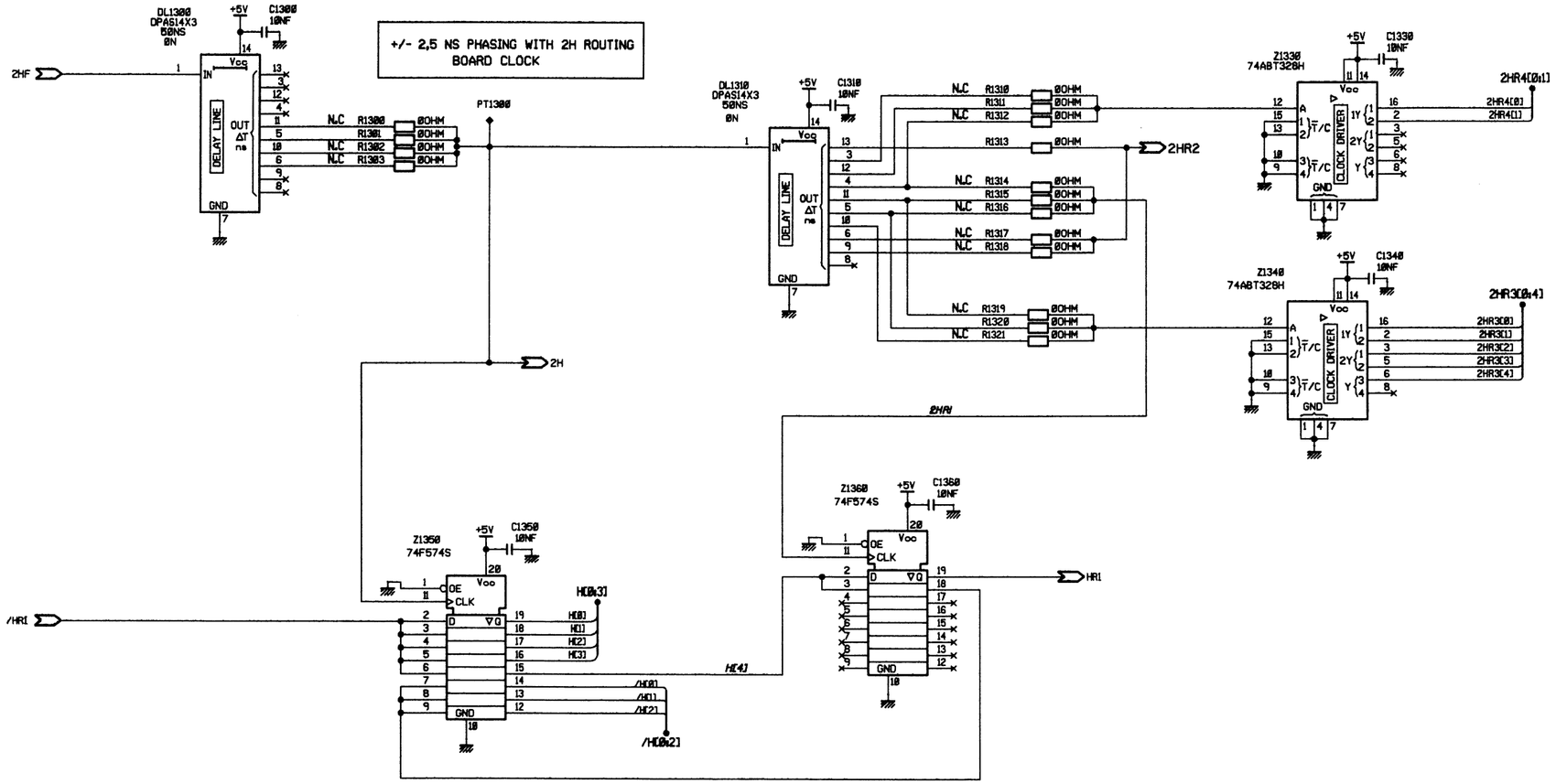
FRINGE OUTPUT

						TTV9200
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO: 46150328	REV: A	CODE: 030	SHEET: 15/17	BLOCK: BF1200	

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+/- 2,5 NS PHASING WITH 2H ROUTING BOARD CLOCK



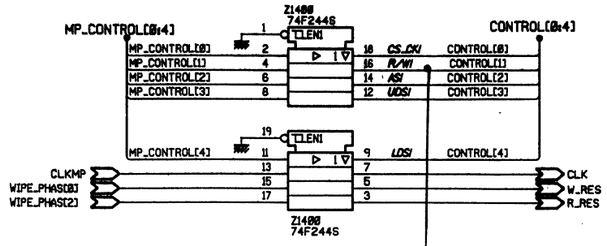
CLOCK AND PHASING SIGNALS DISTRIBUTION

	TTV9200					
	TITLE: CHROMA KEY 2nd CHANNEL					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	46150328	A	Ø30	16/17	BF1300

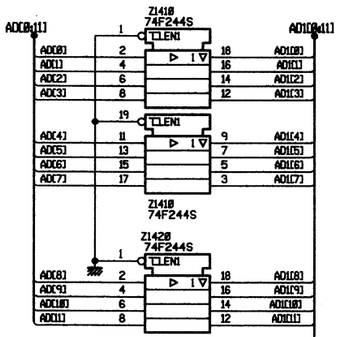
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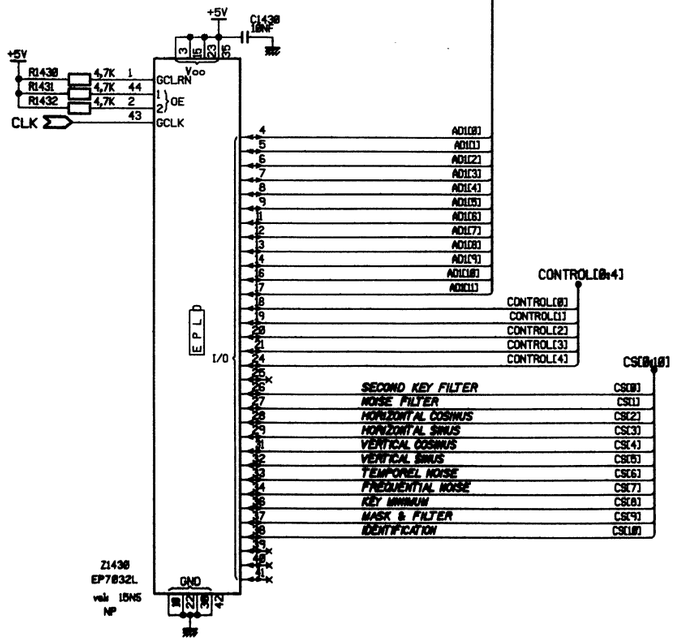
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CONTROL BUS

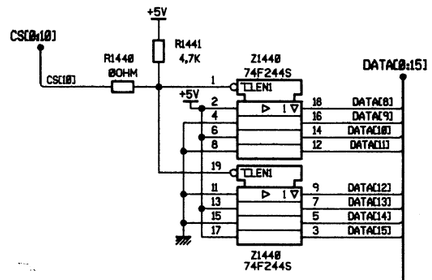


ADRESS BUS

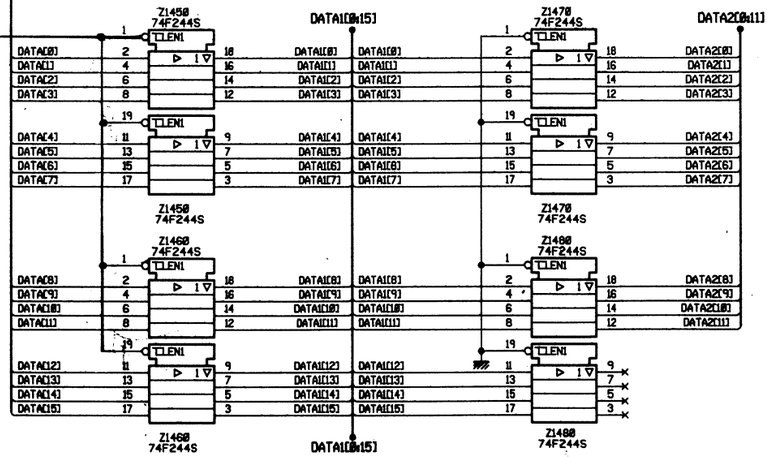




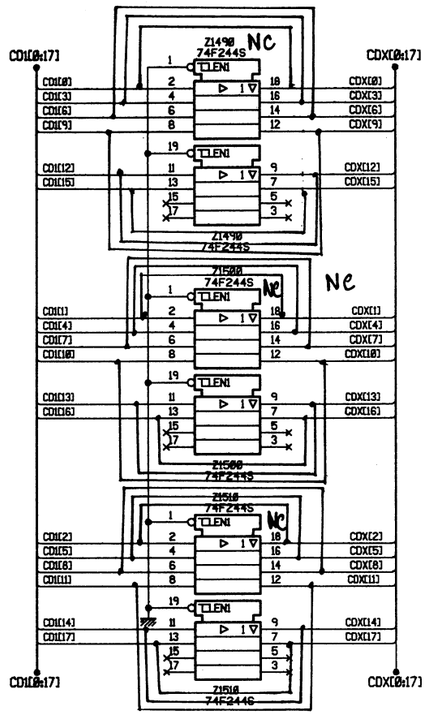
IDENTIFICATION BYTE

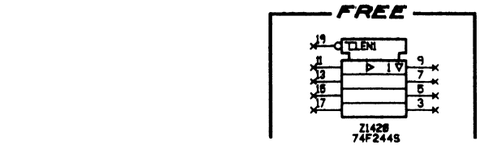


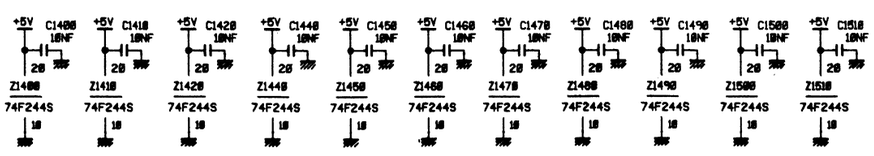
ADRESS BUS



XILINX BUS







MICROPROCESSOR INTERFACE

	TTV9200				
	TITLE: CHROMA KEY 2nd CHANNEL				
THOMSON	DRAWING NO: 46150328	REV: B	CODE: 030	SHEET: 17/17	BLOCK: BF1400

Ø1

IM

IF

INDICE FONCTION. | IDENT.MATERIEL

L4 C12 Z670 PT2 Z660 Z590 Z220 C200 Z200 C560 Z560

Z650 Z500 Z580 Z230 C570 PT3 Z570 C1500 Z1500 L3

R1301 R1303 R1300 R1302 PT1300 DL1300 DL1310 PT1 C7 C1 L1

CRL1 Z1430 C1440 Z690 Z1340 C1340 Z1330 C1330 R1312 R1310 R1314 R1315 R1316 R1319 R1320 R1321 R1317 R1313 R1318 Z440 R1207 R1206 R1205 R1204

Z1440 C1060 Z1060 Z830 R830 Z800 Z450 C1200 Z1200 R1200 R1201 R1202 R1203 C1210 Z1210

Z1420 C1420 C1070 Z1070 Z1100 Z1010 Z1220 R1210 R1208 R1209

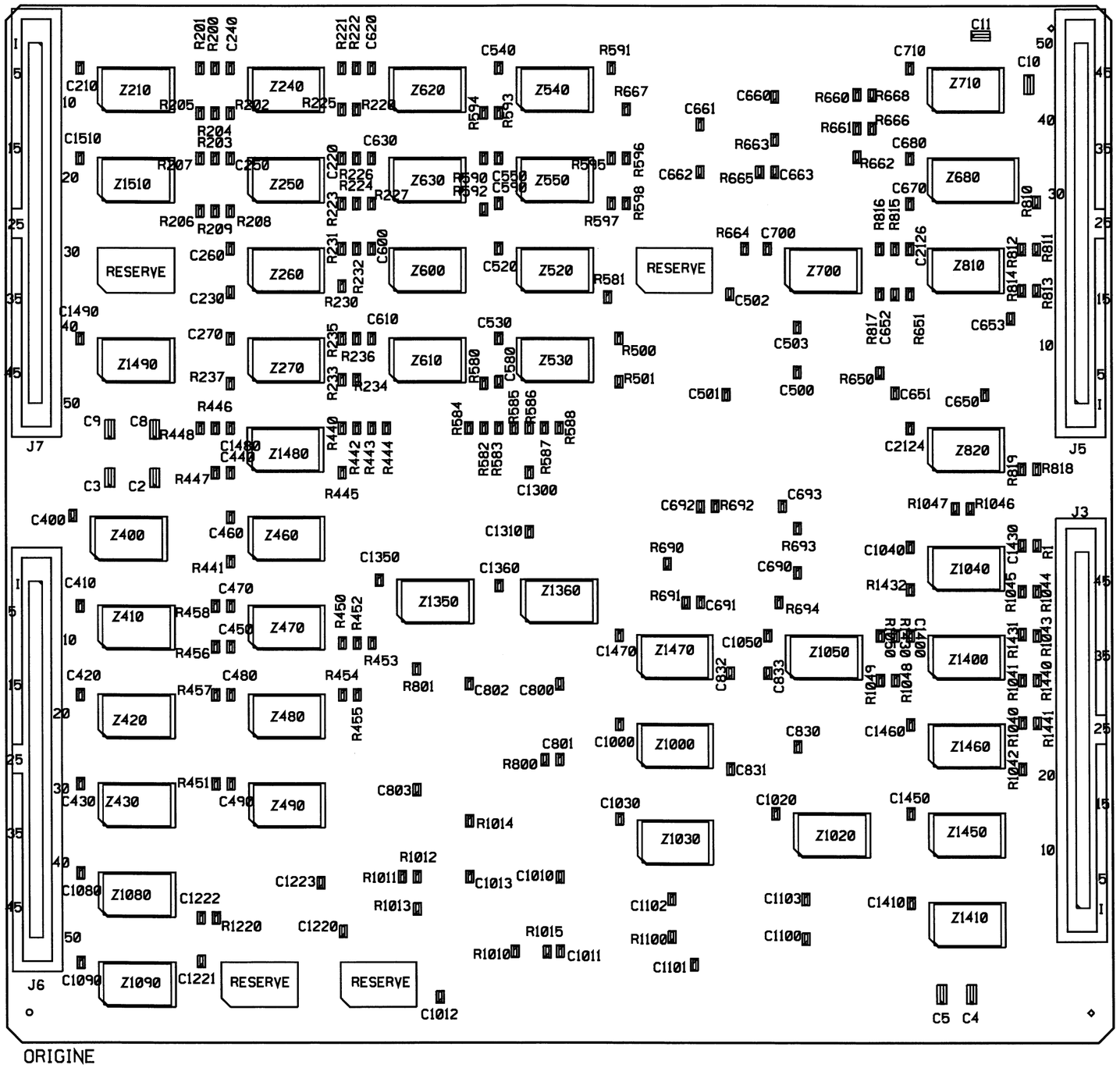
RESERVE RESERVE PT4 L2 C6 PT5

ORIGINE

Y

X

IND	DATE	IMPLANTEUR	N0.DOSSIER
01	12.06.95		46150328
THOMSON		CI: CH.KEY 2nd CH (EL) N0: 47032342/009	
NOTA:			



IND	DATE	IMPLANTEUR	N0.DOSSIER
01	12.06.95		46150328
THOMSON		CI:CH.KEY 2nd CH (SO) N0:47032342/008	
NOTA:			

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COMMAND1[2]
RESTDMUX[0]

BF100 — STANDARD RESTDMUX
KDSKT+ INP+
KDSKT- INP-
TL[0] TL
2H[0] 2H
2HD 2HD
CD_TEST[0] CDTEST
DESERIALIZER AND PHASING
VIDEOUT[0:9] VIDEOTEST[0:9] PRES
despha.sch

DSK_AT[0:9] → TO CONNECTOR P10
PRES[0]

BF1000 — keyproc.sch
CS[0]
DSK_AT[0:9]
AD_BUS[0:4]
CD_TEST[3:4]
COMMAND1[4]
DATA_BUS[0:11]
2H[3:4]
KEY PROCESS
K1[0:9] K2[0:9] K14[0:10] K24[0:10] TESTPROC[0:9] DATA_BUSR[0:11]
/HR1 HR2 H_ASIC
DATA_BUSR[0:11]

BF1200 — CSMBORD CS[1:2] /H[7]
CD_TEST[5:6]
CHRO_DSK[0:10]
DATA_BUS[0:15]
CHRO_MUL[0:10]
KBORD[0:10]
AD_BUS[0:5]
WIPE_EXT[0:10]
H[0:8]
COMMAND1[0:4]
MASK COMPOSE AND PHASING
mask.sch
KIP1[0:10] KIP2[0:10] KC1[0:10] KC2[0:10] GENEBOX[0:3] WIPEM[0:2] KBORD/W[0:10] TEST[0:9] RESC[0:4]
SELKDSK SELKBGD

GENEBOX[0:3]
WIPEM[0:2]

BF1800 — H[7:6] PRESMASK
CL[0:9]
CK_SHAD3[0:10]
AD_BUS[0:7]
DATA_BUS[0:15]
COMMAND1[0:4]
CS[13:17]
/H[8:9]
DSK BORDER GENERATOR
dskbord.sch
CL[0:9] CK_SHAD3[0:10] KEYP[0:10] CP[1:10] AD_BUS[0:7] DATA_BUS[0:15] COMMAND1[0:4] CS[13:17] /H[0:1] H[0:9] SEL[5]
KDSK[0:10] BDSK[0:10] TEST[0:9] CD_TEST[0:1] SEL[3] CTRLBUS1[0]
CD_TEST[7:8] SELKDSK CTRLBUS1[0]

KDSK[0:10] BDSK[0:10] → TO CONNECTOR P10

RESTDMUX[1]

BF400 — STANDARD RESTDMUX
KBGDT+ INP+
KBGDT- INP-
TL[1] TL
2H[5] 2H
2HD 2HD
CD_TEST[1] CDTEST
DESERIALIZER AND PHASING
VIDEOUT[0:9] VIDEOTEST[0:9] PRES
despha.sch

MULTI_AT[0:9] → MULTI_AT[0:9] → TO CONNECTOR P10
PRES[1]

TEST[0:9] (bus)

RESTDMUX[2]

BF700 — STANDARD RESTDMUX
VDSKT+ INP+
VDSKT- INP-
TL[2] TL
2H[6] 2H
2HD 2HD
CD_TEST[2] CDTEST
DESERIALIZER AND PHASING
VIDEOUT[0:9] VIDEOTEST[0:9] PRES
despha.sch

PRES[2]

COMMAND1[4] CD_TEST[1]

BF3400 — COMMAND1[4] CD_TEST[0]
DATA_BUS[0:11]
VIDEO PROCESS FCIO
DATA_BUS[0:11] VIDEOIN[0:9] VIDEOUT[0:9] CCP[0:9] CCL[0:9] 2H[0:1] H[0] H/2[0] AD_BUS[0:4] TEST[0:9] CS[23:27] videopro.sch
VDSK[0:9] → TO CONNECTOR P10
CCP[0:9]
CCL[0:9]
2H[1:2]
H[2:7]
H/2
AD_BUS[0:4]
H_ASIC
**GLOBAL_+5V
**GLOBAL_GND
CS[23:27]

CSMBORD
CS[1:2]
/H[7]
PRESMASK
H[7:6]

BF2300 — SEL[5] TEST[0:9]
KEYMUL[0:10]
CL[0:9]
CP[1:10]
AD_BUS[0:7]
DATA_BUS[0:15]
COMMAND1[0:4]
CS[18:22]
KBORD/W[0:10]
/H[10:13]
H[17:26]
KEY BORDER GENERATOR AND SELECT
bordkey.sch
KBACK[0:10] BORDER_IN[0:10] KMULTI[0:10] CTRLBUS1[0] SEL[4]
CD_TEST[0:1] CD_TEST[9:10]
KBACK[0:10]
BORDER_IN[0:10]
KMULTI[0:10]
CTRLBUS1[0]
SEL[4]

TO CONNECTOR P10

CSMBORD
SELKBGD

CSMBORD
CS[28]
SELKBGD
CLOCK[0:5]

BF3000 — CSMBORD CS[28] CLOCK[0:5] SELKBGD
PRES[0:2]
COMMAND[0:18]
CTRLBUS[0:9]
2H[0:10]
2HD
DATA_BUSR[0:11]
SEL[4]
H/2
HR2
/HR1
H[0:28]
/H[0:13]
RESTDMUX[0:2]
CLOCK AND SIGNAL DECODING
SELKDSK COMMAND1[0:4] CTRLBUS1[0:6] TL[0:2] GENEBOX[0:3] CP[1:10] CL[0:9] CCL[0:9] CCP[0:9] H_ASIC WIPEM[0:2]
clock.sch
CD_TEST[0:1] RESC[0:4] PRESMASK
**GLOBAL_-5.2V
CD_TEST[0:1] RESC[0:4] PRESMASK

SELKDSK
COMMAND1[0:4]
CTRLBUS1[0:6]
TL[0:2]
GENEBOX[0:3]
CP[1:10]
CL[0:9]
CCL[0:9]
CCP[0:9]
H_ASIC
WIPEM[0:2]

CSMBORD

BF2900 — CSMBORD
CTRLBUS1[0:6]
ADD[0:11]
DATAMP[0:15]
MICROPROCESSOR INTERFACE
CTRLBUS1[0:6] CS[0:28] ADD[0:11] DATA_BUS[0:15] DATAMP[0:15] AD_BUS[0:8] intermicro.sch
CS[0:28]
DATA_BUS[0:15]
AD_BUS[0:8]

POWER Z300-Z900
14 NZ300
14 NZ900
7 C307 -5.2V
7 C903 -5.2V

TTV9200					
	TITLE: BORDER LIGHT				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
	47032155	A	030	1/27	

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P10 70230111

KBGD- / KBGD+ → VDSK- / VDSK+

KDSK- / KDSK+

DSK_AT[0:9] → DSK_AT[0:9]

MULTI_AT[0:9] → MULTI_AT[0:9]

KBORD[0:10] → KBORD[0:10]

WIPE_EXT[0:10] → WIPE_EXT[0:10]

KBACK[0:10] → KBACK[0:10]

BORDER_IN[0:10] → BORDER_IN[0:10]

BDSK[0:10] → BDSK[0:10]

KDSK[0:10] → KDSK[0:10]

CHRO_MUL[0:10] → CHRO_MUL[0:10]

P40 70230111

KMULTI[0:10] → KMULTI[0:10]

VDSK[0:9] → VDSK[0:9]

TEST[0:9] → TEST[0:9]

CHRO_DSK[0:10] → CHRO_DSK[0:10]

AD0[0:11] → AD0[0:11]

DATAMP[0:15] → DATAMP[0:15]

CTRLBUS[0:9] → CTRLBUS[0:9]

CTRLBUS[9] CLOCK

R/W CTRLBUS[4]
CS_BORD CTRLBUS[3]
UDS CTRLBUS[6]
AS CTRLBUS[5]
DTACK CTRLBUS[8]
LDS CTRLBUS[7]

INT_L_GFE

COMMAND[0:18] → COMMAND[0:18]

HLOC_KO / HLOC_PVW
WR_WIPE / RD_WIPE
WSL
TOP_T_OPT
BVUL_KO / BVF_PGM

TOP_L_OPT COMMAND[4]
HLOC_PGM
INT_TRAME_MIC / INT_T_GFE
BVF_KO / PARITY COMMAND[11]
FLOC_O / BVUL_PGM
TL_KDVE / STANDARD COMMAND[17]

CK_SHAD3[0:10] → CK_SHAD3[0:10]

CLOCK[0:5] → CLOCK[0:5]

CLOCK[5] H/2BB-
CLOCK[4] H/2BB+
CLOCK[1] 2HBB-
CLOCK[0] 2HBB+

HBB- CLOCK[3]
HBB+ CLOCK[2]

CRL1 LED595X01 ØV — R1 220 — +5V PT1

78227111 P20

F1 MULTIFUSE 4A — L1 2,5SP481 — C1 22NF — C2 22NF — C3 22MF — +5V

F2 MULTIFUSE 4A N.C — L2 2,5SP481 — C4 22NF — C5 22NF — C6 22MF — -5.2V

F6 MULTIFUSE 4A — L6 2,5SP481 — +5V — C16 22NF — C17 22NF — C18 22MF

78227111 P60

F3 4A N.C MULTIFUSE — L3 2,5SP481 — +5V — C7 22NF — C8 22NF — C9 22MF

F4 4A MULTIFUSE — L4 2,5SP481 — C10 22NF — C11 22NF — C12 22MF

F5 4A MULTIFUSE — L5 2,5SP481 — +5V — C13 22NF — C14 22NF — C15 22MF

CRL2 LED595X01 ØV — R2 220 — -5.2V PT2

PT3 PT4 PT5 PT6

VIDEO PRESENCE

PRES[0:2] — CTRLBUS[3] → Z30 74F574S (OE, CLK, D, Q, GND, Vcc)

+5V C30

R40 R41 R42 — CRL40 CRL41 CRL42

CLEN1 → NZ40

F/F

KDSK+ / KDSK- / KBGD+ / KBGD- / VDSK+ / VDSK- — R50 R51 R52 — Z50 100E116L (Vcc, Vooo, VBB, Vee, -5.2V)

KDSKT+ / KDSKT- / KBGDT+ / KBGDT- / VDSKT+ / VDSKT-

R53 R54 R55 R56 R57 R58

C51 C52 L50

+5V C40 — NZ40 74F244S

N.C

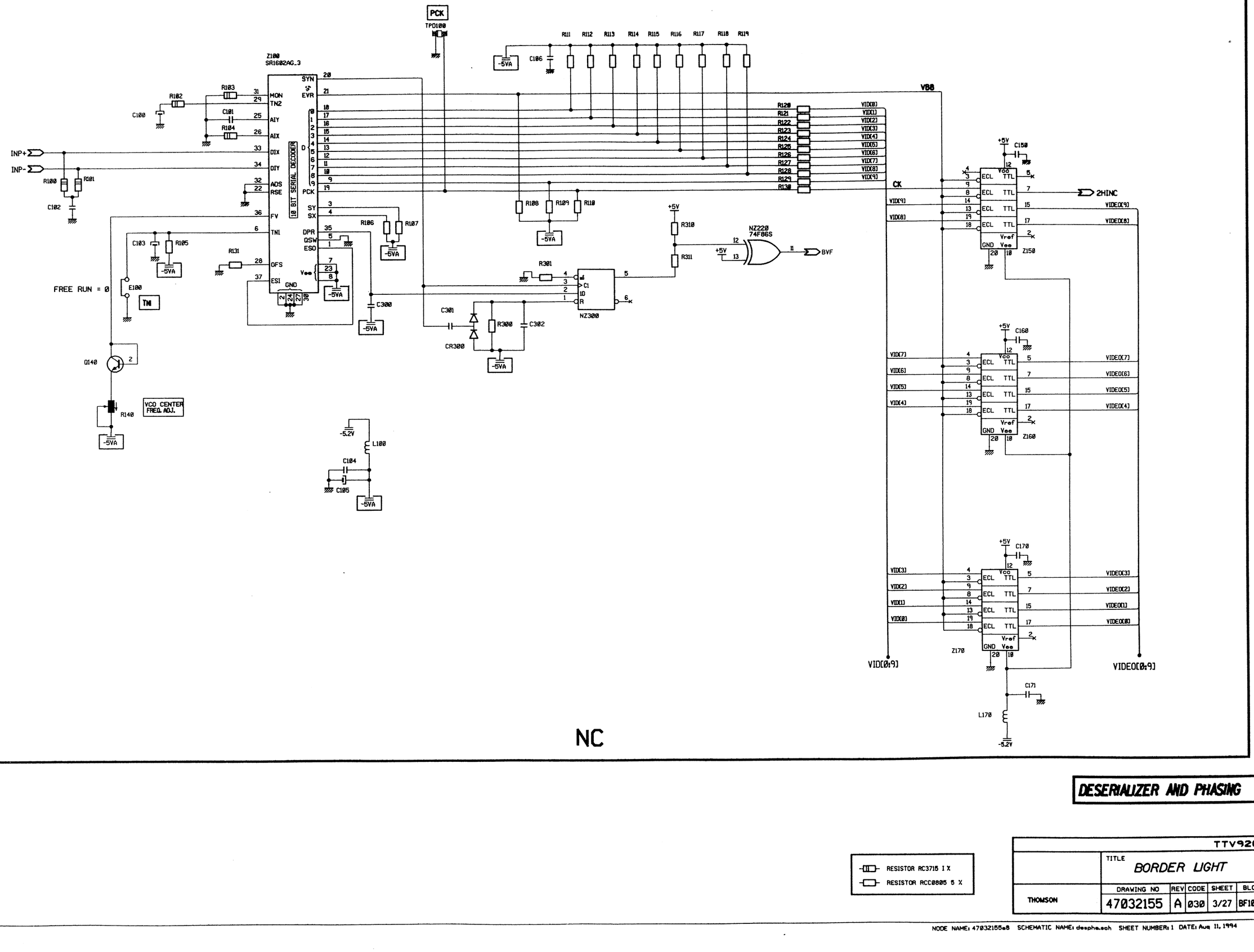
RESERVE OF 7 CHIPS N.C

Z10 74F821S — Z20 74F821S — Z60 74F574S — Z70 74F574S — Z80 74F574S — Z90 74F574S — Z91 74F574S

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO: 47032155	REV: B	CODE: 030	SHEET: 2/27	BLOCK:	

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NC

DESERIALIZER AND PHASING

RESISTOR RC3715 1 %
RESISTOR RC0805 5 %

TTV9200					
THOMSON	TITLE: BORDER LIGHT				
	DRAWING NO	REV	CODE	SHEET	BLOCK
	47032155	A	030	3/27	BF100

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NZ220 74F86S

2HD → R220 → 2HR

NZ220 74F86S

2HR → R221 → 2HF

+5V C220 → NZ220 pin 14; pin 7 → GND

C180 C181 C182 C183 C184 C185 C186 C187 188 Vcc

R180 C188

RESTDMUX
STANDARD

R181 R182 R183 R184 R185 R186 R187

FBPS FRST RST LSTDI FSTDI SNDI EOCR EOCO EOY

DMX412

FRSP DET SNDO FSTDO LSTDO XYER FMX HPROM MSWE NV SYNC SUP HIMP VIMP FIMP CLK RCO AN OBY VOW OU

PROM CONTROL: PROM CS MP XCOR SDA WM CE PDI0 CM M

R188 R189

2HINC

R190 R191 R192

DICK F V H LOC

PRES

R194

LTRSF

R195 R196 R197 R198 R199 R200

BYTRS NLDCPT TBUF TRCO TM

BVF → R223 → NZ220 74F86S

2H

R201 R202 R204 R205 R206

SYCK SYNW BVUL BVF BYLIM LCF AVO

VIDEO[9:0] → DI → /Y[9:0]

PT180 TOP ECRITURE FIFO

CO CR

Vss

Z180

2H → C230 → Z230 (OE CLK D Q GND)

/Y[0] /Y[1] TL

2HF → C240 → Z240 (WE WDEC WRES WCLK OE RCLK RRES MODE; FIFO 2Kx8 DI DO)

R240 R241 R242

2HR → C250 → Z250 (OE CLK D Q GND)

VIDEOUT[0] VIDEOUT[1]

CDTEST 2H → C260 → Z260 (EN CP; D0..D9 Q0..Q9 GND)

VIDEOUT[0:9] → VIDEOTEST[0:9]

2H → C270 → Z270 (/Y[2] /Y[3] /Y[4] /Y[5] /Y[6] /Y[7] /Y[8] /Y[9])

2HF → C280 → Z280 (WE WDEC WRES WCLK OE RCLK RRES MODE; FIFO 2Kx8)

R280 R281 R282

2HR → C290 → Z290 (OE CLK D Q GND)

VIDEOUT[2] VIDEOUT[3] VIDEOUT[4] VIDEOUT[5] VIDEOUT[6] VIDEOUT[7] VIDEOUT[8] VIDEOUT[9]

VIDEOUT[0:9]

NC

DESERIALIZER AND PHASING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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PCK
TPD400
-5VA
C406
R411 R412 R413 R414 R415 R416 R417 R418 R419
Z400
SR1682AG.3
SYN 20
EVR 21
D 18 17 16 15 14 13 12 11 10 9
PCK 19
SY 3
SX 4
DPR 35
QSW 5
ESO 1
Vee 7 23 8
GND 2 24 22 38
MON 31
TN2 29
AIY 25
AIX 26
DIX 33
DIY 34
ADS 32
RSE 22
FV 36
TNI 6
OFS 28
ESI 37
16 BIT SERIAL DECODER
R402
C400
R403
C401
R404
INP+
INP-
R400
R401
C402
C403
R405
R141
FREE RUN = 0
E400
TNI
R406
R407
C304
R408
R409
R410
R428 R421 R422 R423 R424 R425 R426 R427 R428 R429 R430
VID[0] VID[1] VID[2] VID[3] VID[4] VID[5] VID[6] VID[7] VID[8] VID[9]
VBB
CK
+5V
R312
R313
NZ520
74F86S
BVF
R303
NZ300
C1
1D
R
C305
CR301
R302
C306
Q440
R440
VCO CENTER
FREQ. ADJ.
-5.2V
L400
C404
C405
C450
Z450
2HINC
VIDEO[9]
VIDEO[8]
C460
Z460
VIDEO[7]
VIDEO[6]
VIDEO[5]
VIDEO[4]
C470
Z470
VIDEO[3]
VIDEO[2]
VIDEO[1]
VIDEO[0]
VID[0:9]
VIDEO[0:9]
C471
L470
ECL
TTL
Vcc
Vref
GND
Vee

NC

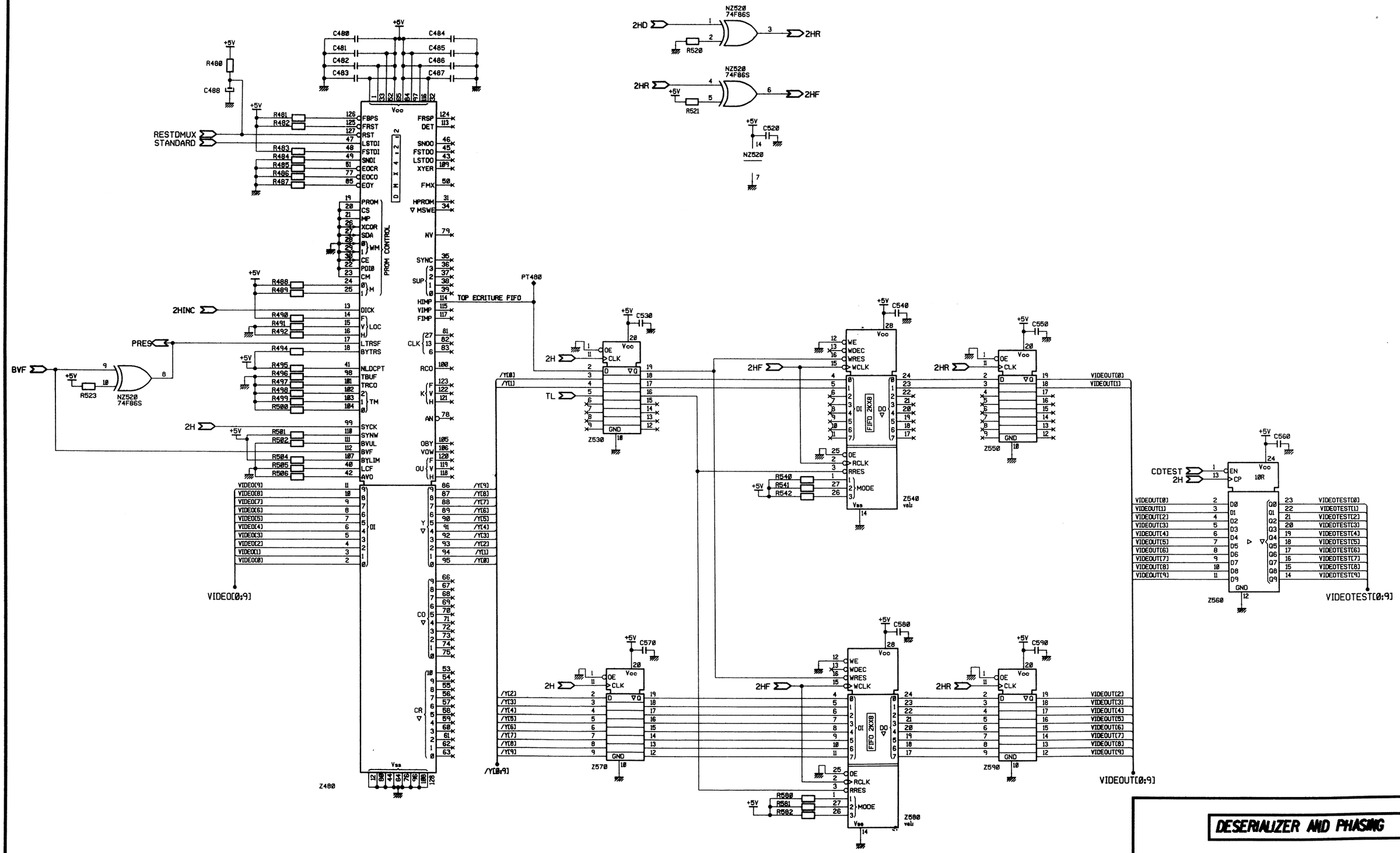
DESERIALIZER AND PHASING

RESISTOR RC3715 1 %
RESISTOR RCC0805 5 %

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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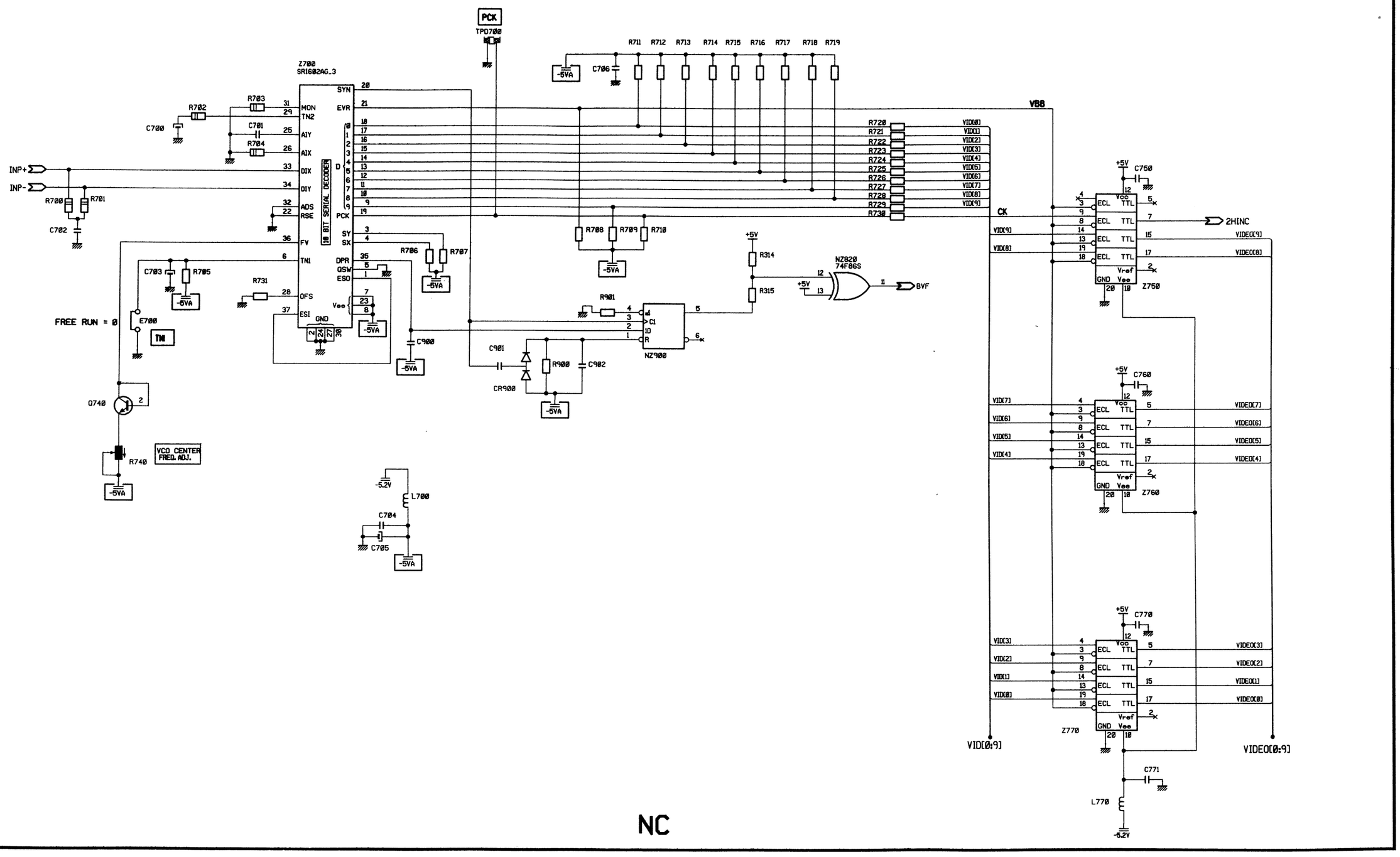
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DESERIALIZER AND PHASING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 6/27	BLOCK: BF480	

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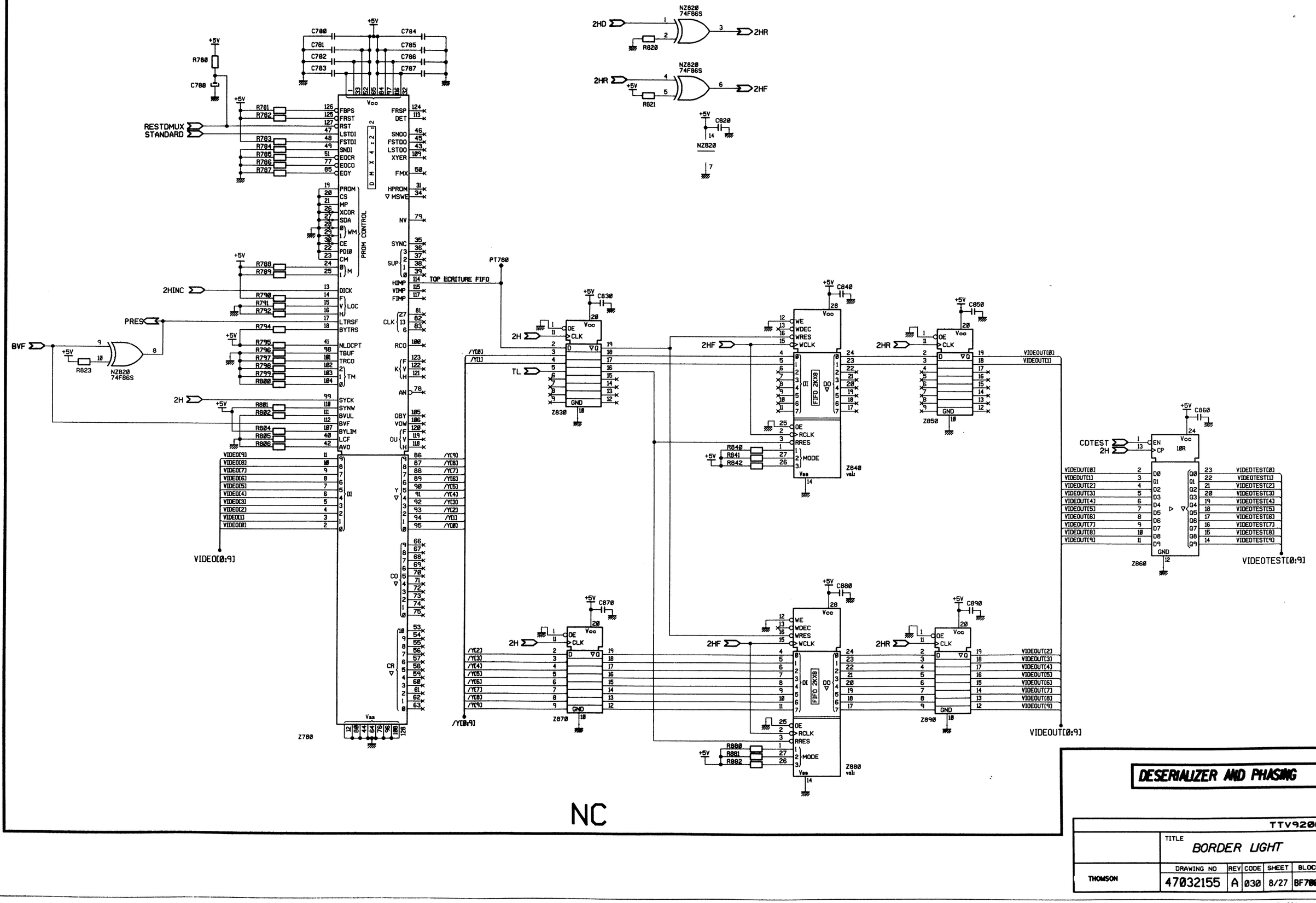
DESERIALIZER AND PHASING

RESISTOR RC3715 1 %
RESISTOR RCC0005 5 %

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	7/27	BF700	

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	TTV9200				
	TITLE: BORDER LIGHT				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK
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DATA_BUSR[0:11]

DATA_BUS[0:11]

AD_BUS[0:4]

AD_BUSR[0:4]

2H[0:1]

H_ASIC

CS[0]

COMMAND1[4]

K12[0:9]

K13[0:10]

K14[0:10]

K23[0:10]

K24[0:10]

K1[0:9]

K2[0:9]

K22[0:9]

CD_TEST[0:1]

TESTPROC[0:9]

LUMINANCE KEY

NC

FREE

KEY PROCESS

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	9/27	BF1000	

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OEM1
M1
KIP1[10]
KIP1[9]
KIP1[8]
KIP1[7]
KIP1[6]
KIP1[5]
KIP1[4]
KIP1[3]
KIP1[2]
KIP1[1]
KIP1[0]
KIP1[0:10]
/DI[9]
/DI[8]
/DI[7]
/DI[6]
/DI[5]
/DI[4]
/DI[3]
/DI[2]
/DI[1]
/DI[0]
/DI[0:9]
Z1200
Z1210
Z1220
C1200
C1210
C1220
DATA_BUSR[0:15]
DATA_BUSR[9]
DATA_BUSR[8]
DATA_BUSR[7]
DATA_BUSR[6]
DATA_BUSR[5]
DATA_BUSR[4]
DATA_BUSR[3]
DATA_BUSR[2]
DATA_BUSR[1]
DATA_BUSR[0]
AD_BUSR[4]
AD_BUSR[3]
AD_BUSR[2]
AD_BUSR[1]
AD_BUSR[0]
AD_BUSR[5]
AD_BUSR[0:5]
CS[2]
FIL1
CS[1:12]
C1230
C1231
C1232
C1233
R1230
R1231
H[0:8]
H[0]
CLK
RE
DI
SSEL
SHIFT
CI
WA
COEFF
WEN
Vdd
Vss
Z1230
val: 20MHZ
VERSATILE FIR FILTER
SIGN1
MSB1
H[0:6]
OVF1
C1320
Z1320
R1320
R1321
R1322
R1323
R1324
R1325
R1326
R1327
R1328
R1329
WIPEMASK[0:10]
OEWF1
KC1I[0:10]
C1370
C1380
C1390
Z1370
Z1380
Z1390
C1400
Z1400
CD_TEST[0:1]
TEST[0:9]
C1240
C1250
C1260
Z1240
Z1250
Z1260
R1260
R1261
R1262
SHIFT REGISTER
C1270
C1280
Z1270
Z1280
NZ1270
BOX_MASK
INV_BOX_MASK
TYPE_BOX_MASK
INDEX
WIPE_MASK
TYPE_WIPE_MASK
PATTERN
DSK
M1
OEM1
OVF1
MSB1
OEWF1
K/W1
C1340
C1350
C1360
NZ1340
NZ1350
NZ1360
COMP
NC

MASK COMPOSE
AND PHASING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	10/27	BF1200	

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MASK COMPOSE AND PHASING

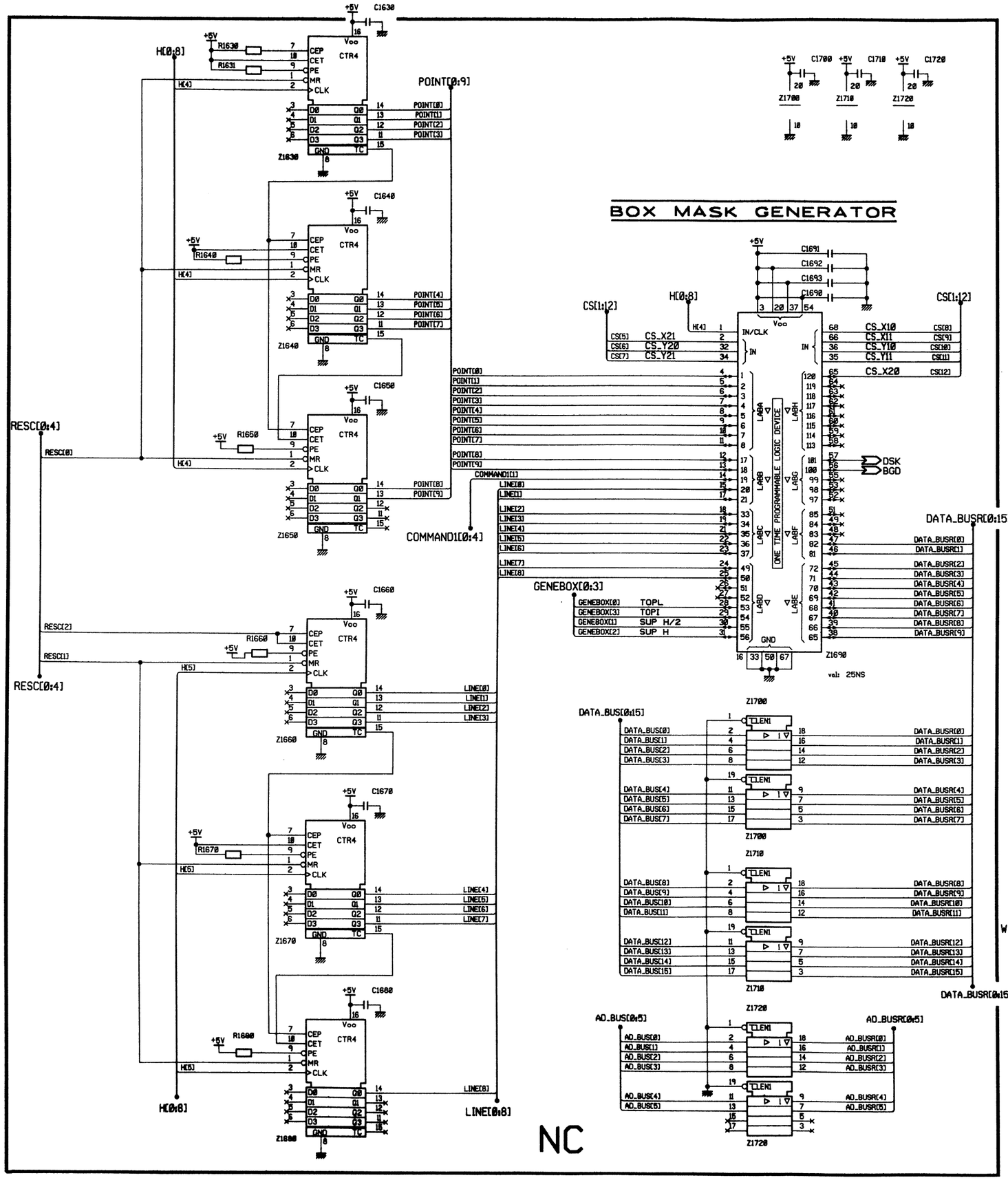
THOMSON	TITLE: BORDER LIGHT	DRAWING NO	REV	CODE	SHEET	BLOCK
		47032155	A	Ø3Ø	11/27	BF1200

TTV9200

NC

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BOX MASK GENERATOR



RESC

RESC[0]	TOP_L
RESC[1]	TOP_T
RESC[2]	INC
RESC[3]	$\overline{W}$ WIPEMASK
RESC[4]	$\overline{R}$ WIPEMASK

MASK COMPOSE AND PHASING

	TTV9200				
	TITLE: BORDER LIGHT				
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 12/27	BLOCK: BF1200

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H[0:8]

KC11[0:10] — CHRO_DSK[0:10] — SELKDSK — NZ1750 — +5V — C1750 — KC1[0:10]

KC11[0]	CHRO_DSK[0]	H[1]	KC1[0]
KC11[1]	CHRO_DSK[1]	H[1]	KC1[1]
KC11[2]	CHRO_DSK[2]	H[1]	KC1[2]
KC11[3]	CHRO_DSK[3]	H[1]	KC1[3]

NZ1760 — +5V — C1760

KC11[4]	CHRO_DSK[4]	H[1]	KC1[4]
KC11[5]	CHRO_DSK[5]	H[1]	KC1[5]
KC11[6]	CHRO_DSK[6]	H[1]	KC1[6]
KC11[7]	CHRO_DSK[7]	H[1]	KC1[7]

NZ1770 — +5V — C1770

KC11[8]	CHRO_DSK[8]	H[1]	KC1[8]
KC11[9]	CHRO_DSK[9]	H[1]	KC1[9]
KC11[10]	CHRO_DSK[10]	H[1]	KC1[10]

KC11[0:10] →

CHRO_DSK[0:10] →

KC1[0:10] → Z1200 follo 10/26

KC22[0:10] — CHRO_MUL[0:10] — SELKBGD — NZ1780 — +5V — C1780 — KC2[0:10]

KC22[0]	CHRO_MUL[0]	H[8]	KC2[0]
KC22[1]	CHRO_MUL[1]	H[8]	KC2[1]
KC22[2]	CHRO_MUL[2]	H[8]	KC2[2]
KC22[3]	CHRO_MUL[3]	H[8]	KC2[3]

NZ1790 — +5V — C1790

KC22[4]	CHRO_MUL[4]	H[8]	KC2[4]
KC22[5]	CHRO_MUL[5]	H[8]	KC2[5]
KC22[6]	CHRO_MUL[6]	H[8]	KC2[6]
KC22[7]	CHRO_MUL[7]	H[8]	KC2[7]

NZ1310 — +5V — C1310

KC22[8]	CHRO_MUL[8]	H[8]	KC2[8]
KC22[9]	CHRO_MUL[9]	H[8]	KC2[9]
KC22[10]	CHRO_MUL[10]	H[8]	KC2[10]

KC22[0:10] →

CHRO_MUL[0:10] →

KC2[0:10] → Z1410 follo 11/26

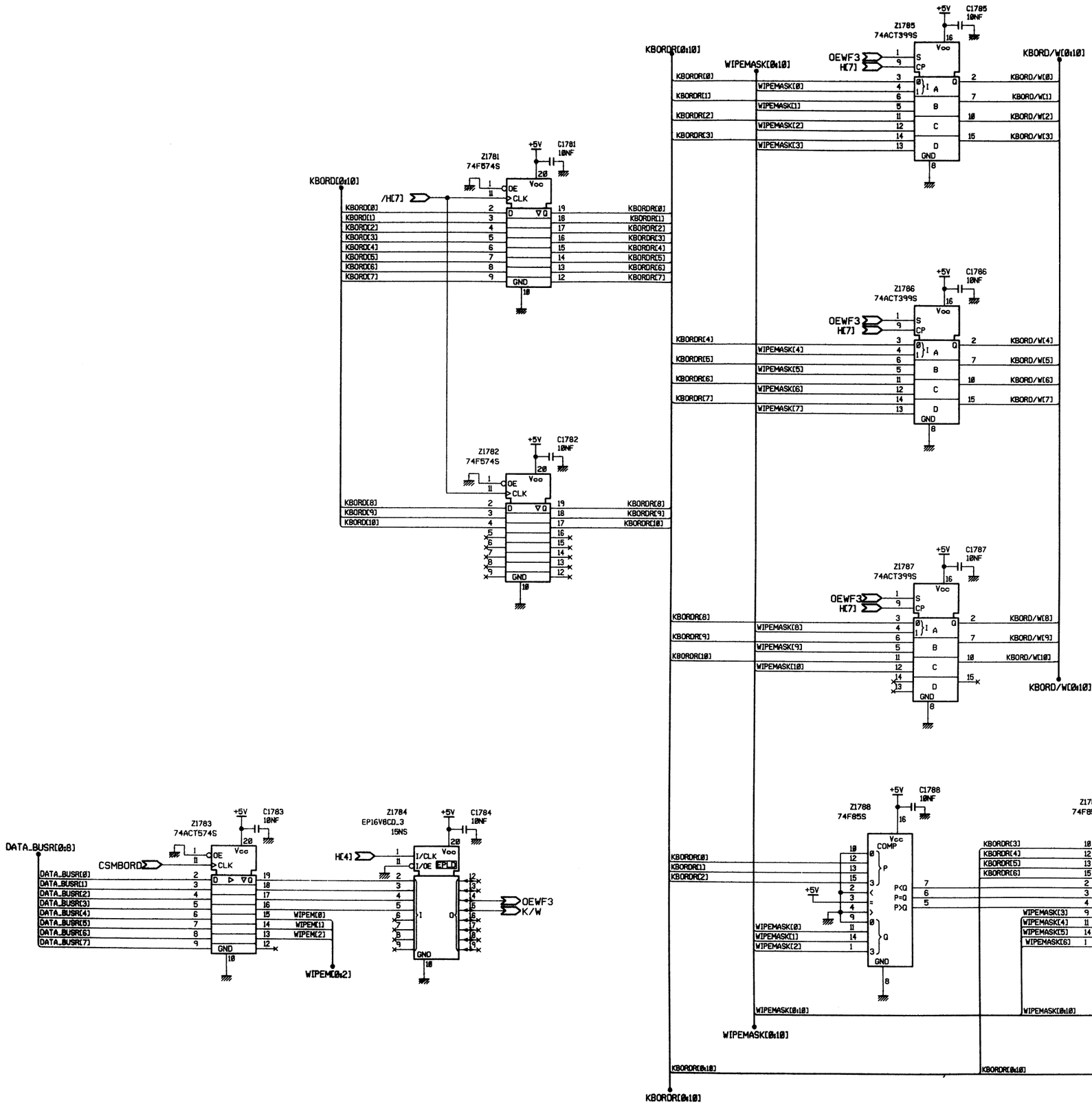
NC

MASK COMPOSE AND PHASING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	13/27	BF1200	

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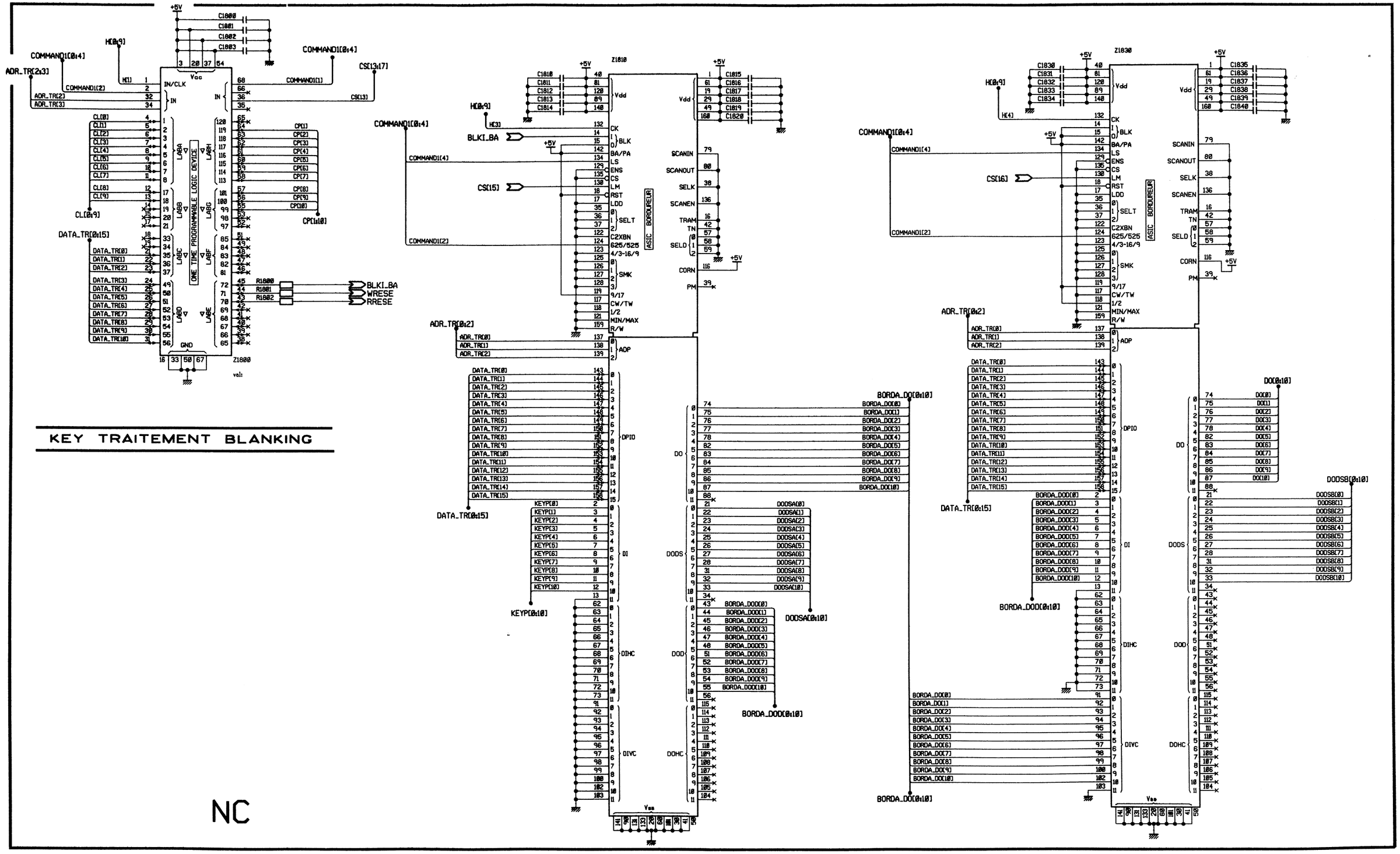


MASK COMPOSE AND PHASING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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						TTV9200
	TITLE	BORDER LIGHT				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
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KEY DELAY SELECT

KEY DELAY TRAITEMENT

KEY BORDER DELAY

NC

DSK BORDER GENERATOR

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 16/27	BLOCK: BF1888	

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KEY BORDER SELECT

CLEAR OUTLINE KEY

DSK BORDER GENERATOR

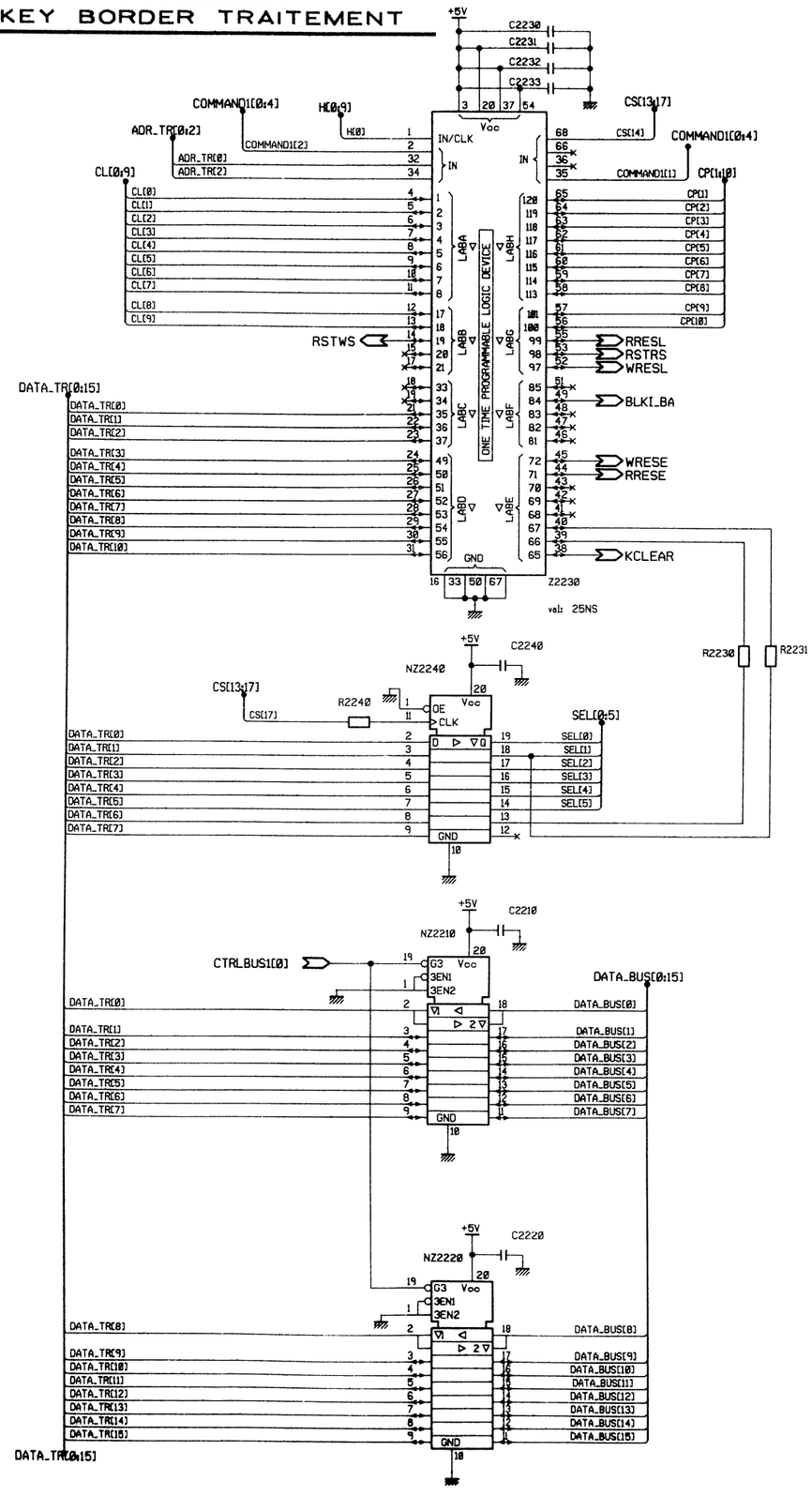
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	TITLE: BORDER LIGHT					
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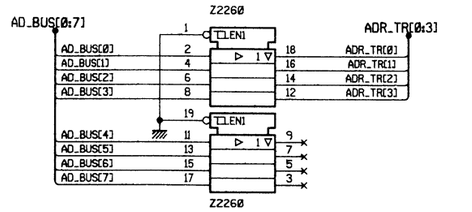
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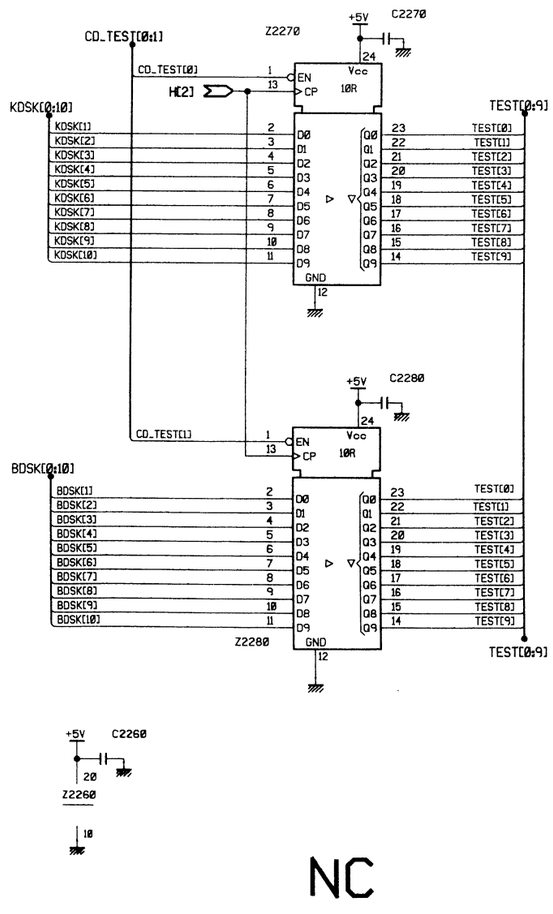
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KEY BORDER TRAITEMENT



COMMANDE INTERFACE





NC

CLOCK

H[0:10]

H[0]	KEY BORDER TRAITEMENT
H[1]	KEY TRAITEMENT AND BLANKING
H[2]	OUTPUT TEST
H[3]	ASIC BORDER A
H[4]	ASIC BORDER B
H[5]	KEY DELAY SELECT
H[6]	KEY DELAY BORDER
H[7]	KEY BORDER SELECT
H[8]	OUTLINE
H[9]	CLEAR OUTLINE

/H[0:1]

/H[0]	KEY OUT
/H[1]	KEY BORDER SELECT

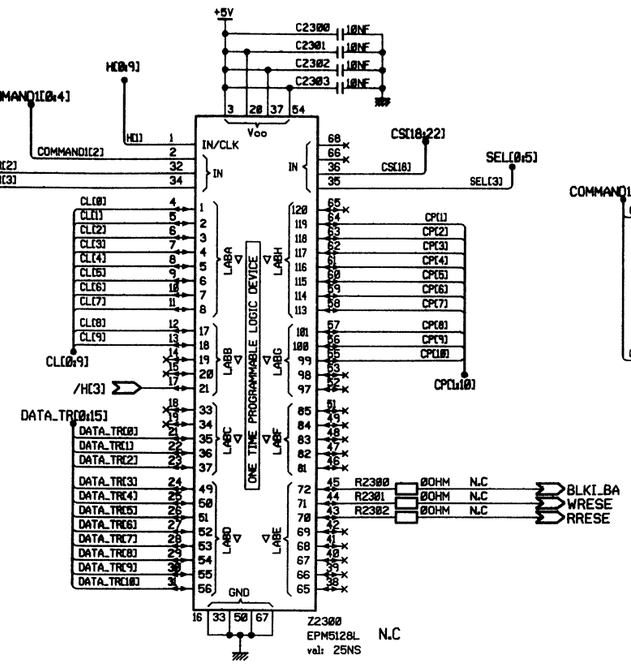
DSK BORDER GENERATOR

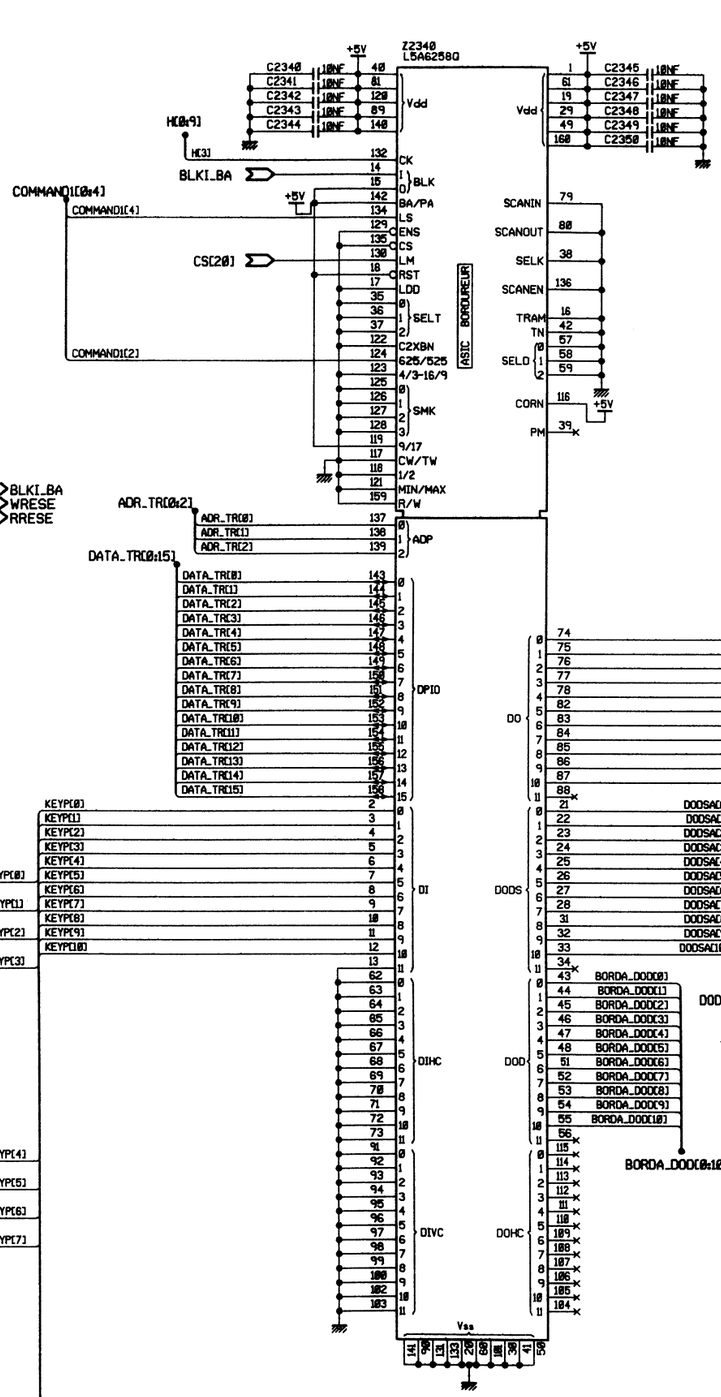
					TTV9200
	TITLE: BORDER LIGHT				
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 18/27	BLOCK: BF1800

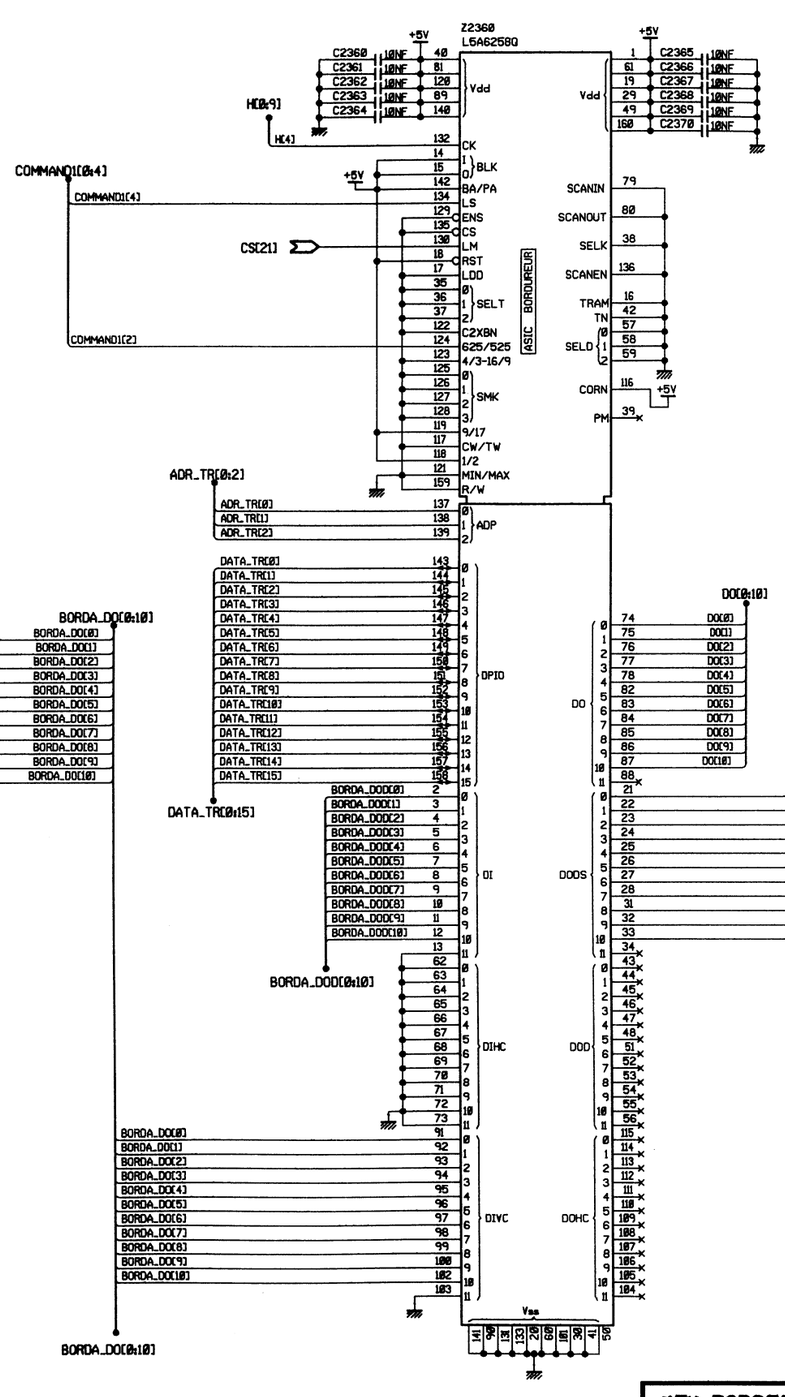
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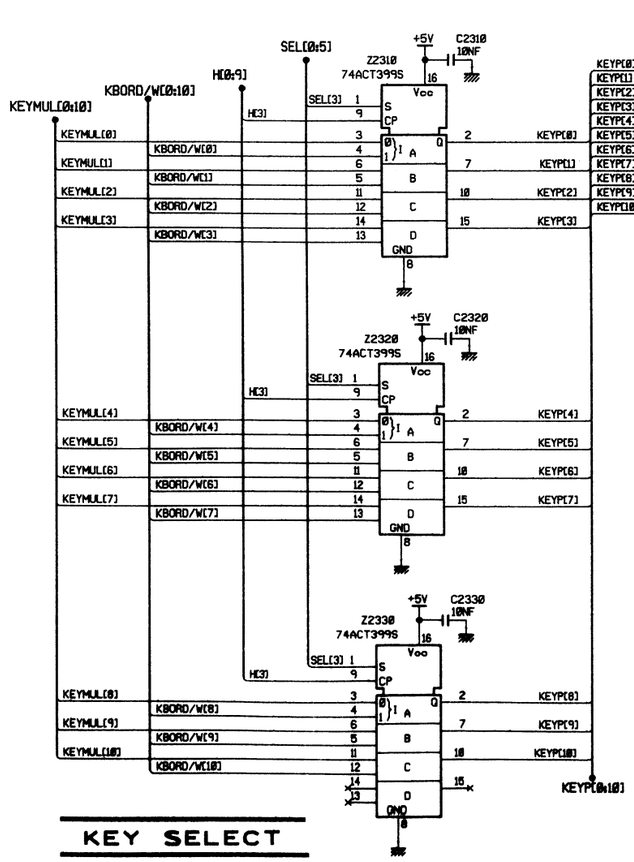
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KEY TRAITEMENT BLANKING









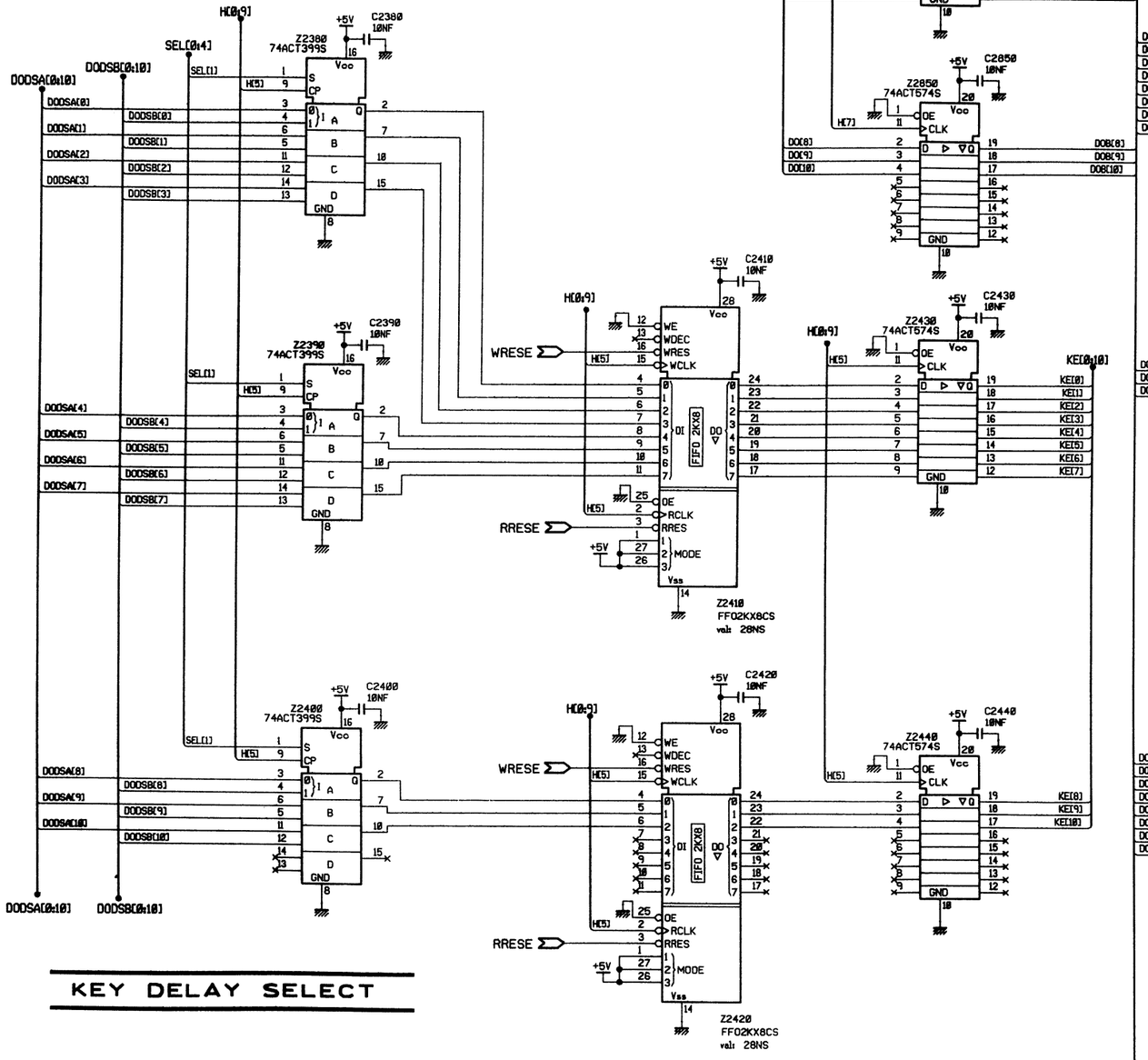
KEY SELECT

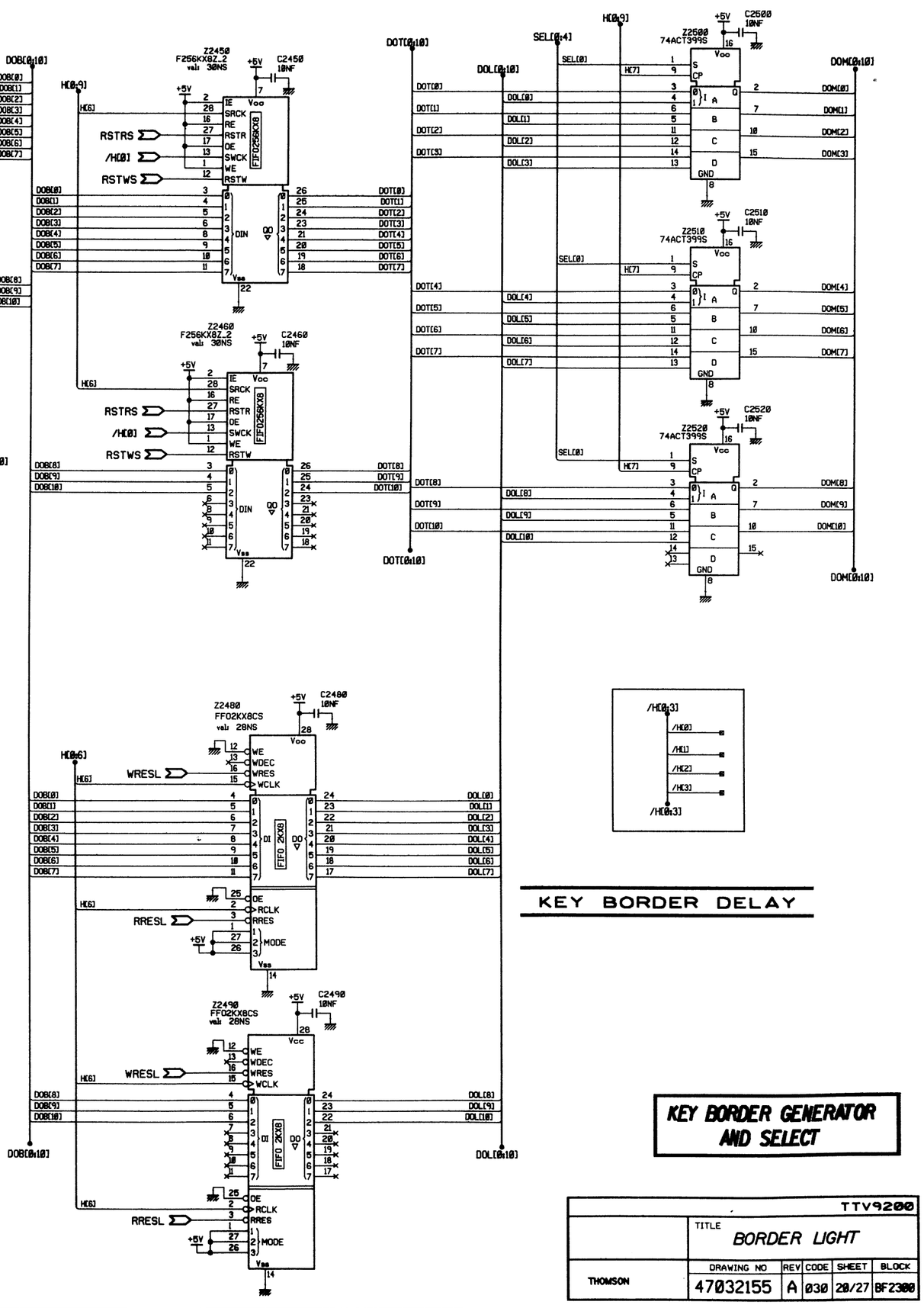
KEY BORDER GENERATOR AND SELECT

						TTV9200
	TITLE	BORDER LIGHT				
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	Ø3Ø	19/27	BF2300	

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	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	20/27	BF2300	

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CLEAR OUTLINE KEY

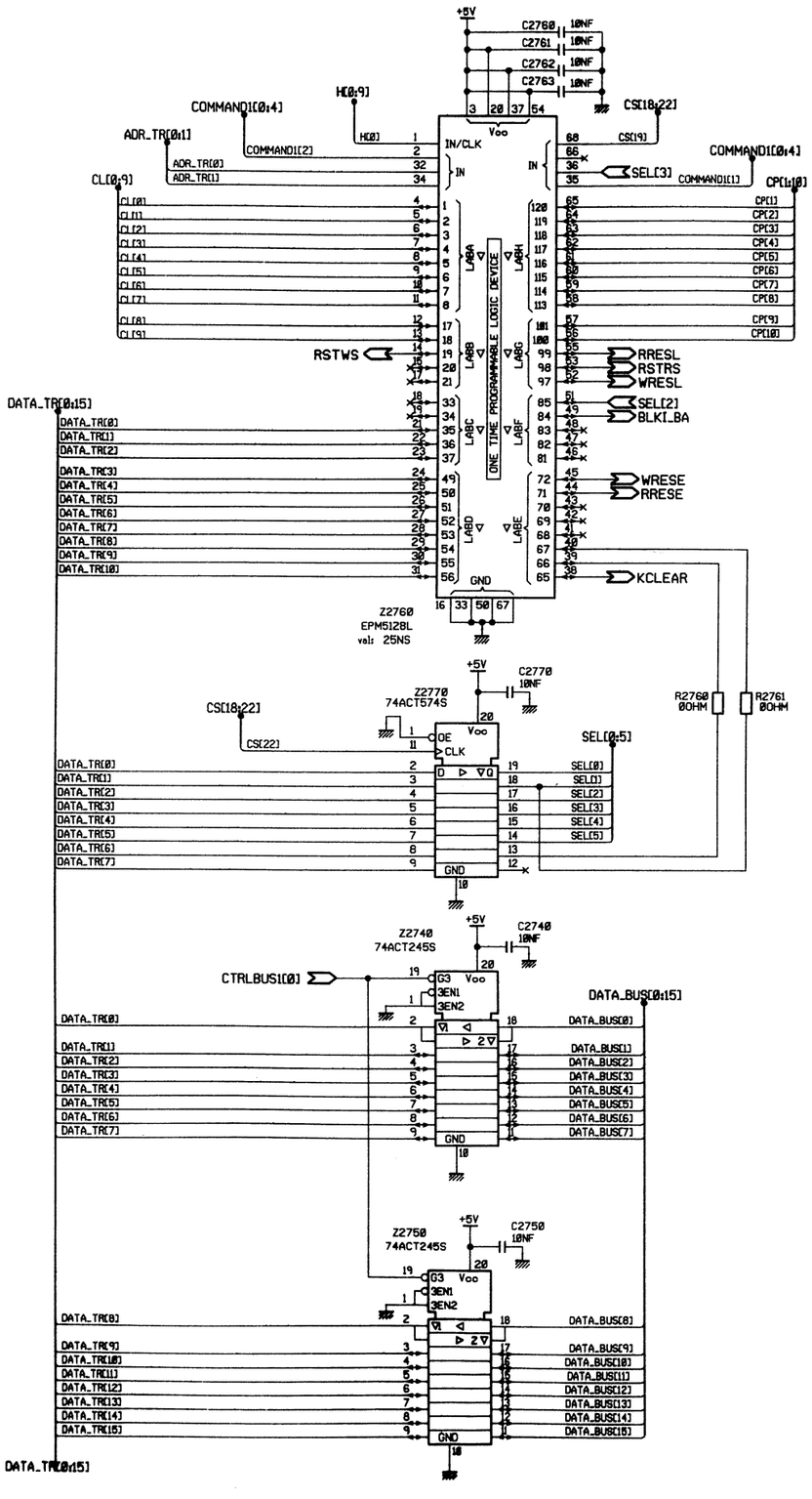
KEY BORDER SELECT

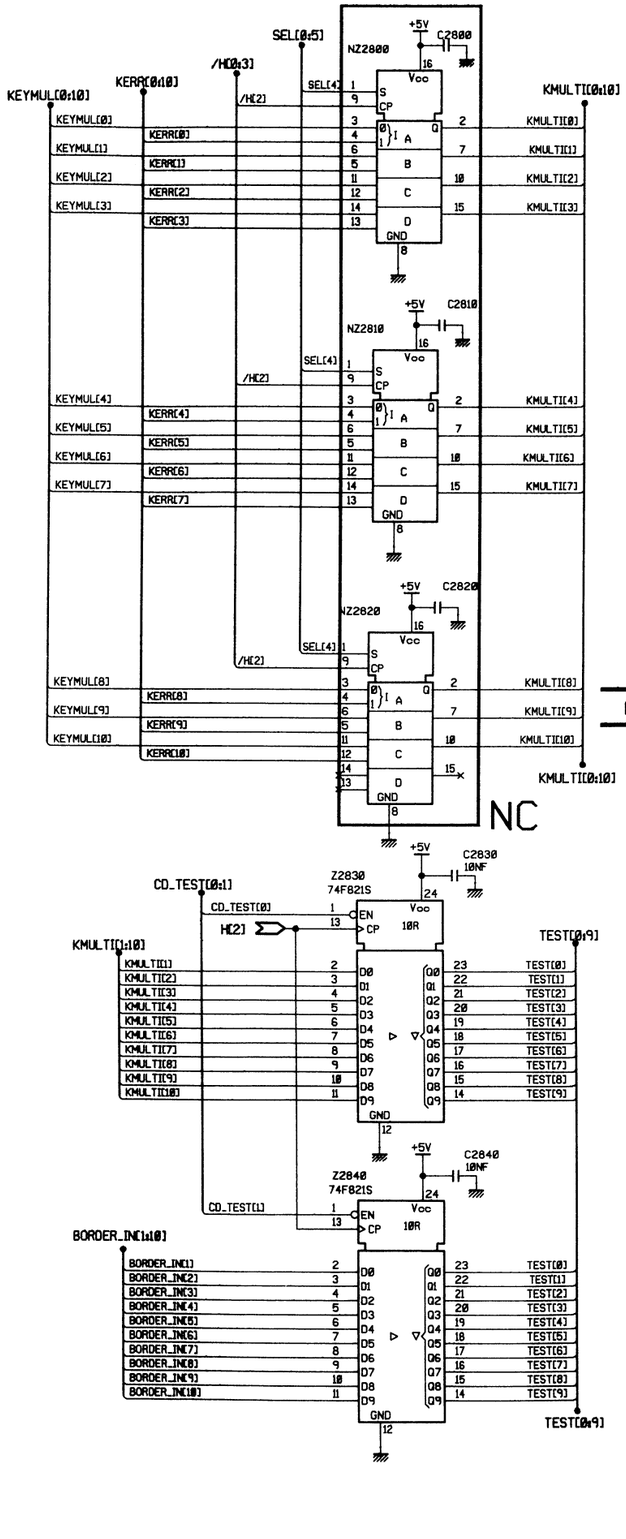
KEY BORDER GENERATOR AND SELECT

	T,TV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	21/27	BF2300	

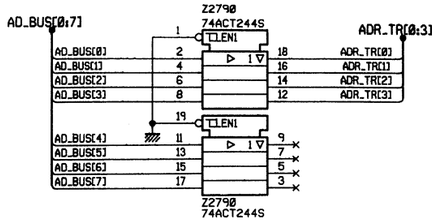
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KEY BORDER TRAITEMENT





KEY OUTPUT



SELECT

SEL[0:5]

SEL[0]	DOT/DOL SELECT
SEL[1]	DODSA/DODSB SELECT
SEL[2]	OUTL/K11 SELECT
SEL[3]	KBGD/KBORD
SEL[4]	KEYMUL/KER SELECT
SEL[5]	KIP2/CHRO_MUL SELECT

CLOCK

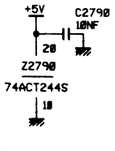
H[0:9]

H[0]	KEY BORDER TRAITEMENT
H[1]	KEY TRAITEMENT AND BLANKING
H[2]	
H[3]	ASIC BORDER A
H[4]	ASIC BORDER B
H[5]	KEY DELAY SELECT
H[6]	KEY DELAY BORDER
H[7]	KEY BORDER SELECT
H[8]	OUTLINE MODE
H[9]	CLEAR OUTLINE KEY

/H[0:3]

/H[0]	KEY OUT
/H[1]	KEY BORDER SELECT
/H[2]	SELECT OUTPUT
/H[3]	SELECT INPUT

KEY BORDER GENERATOR AND SELECT

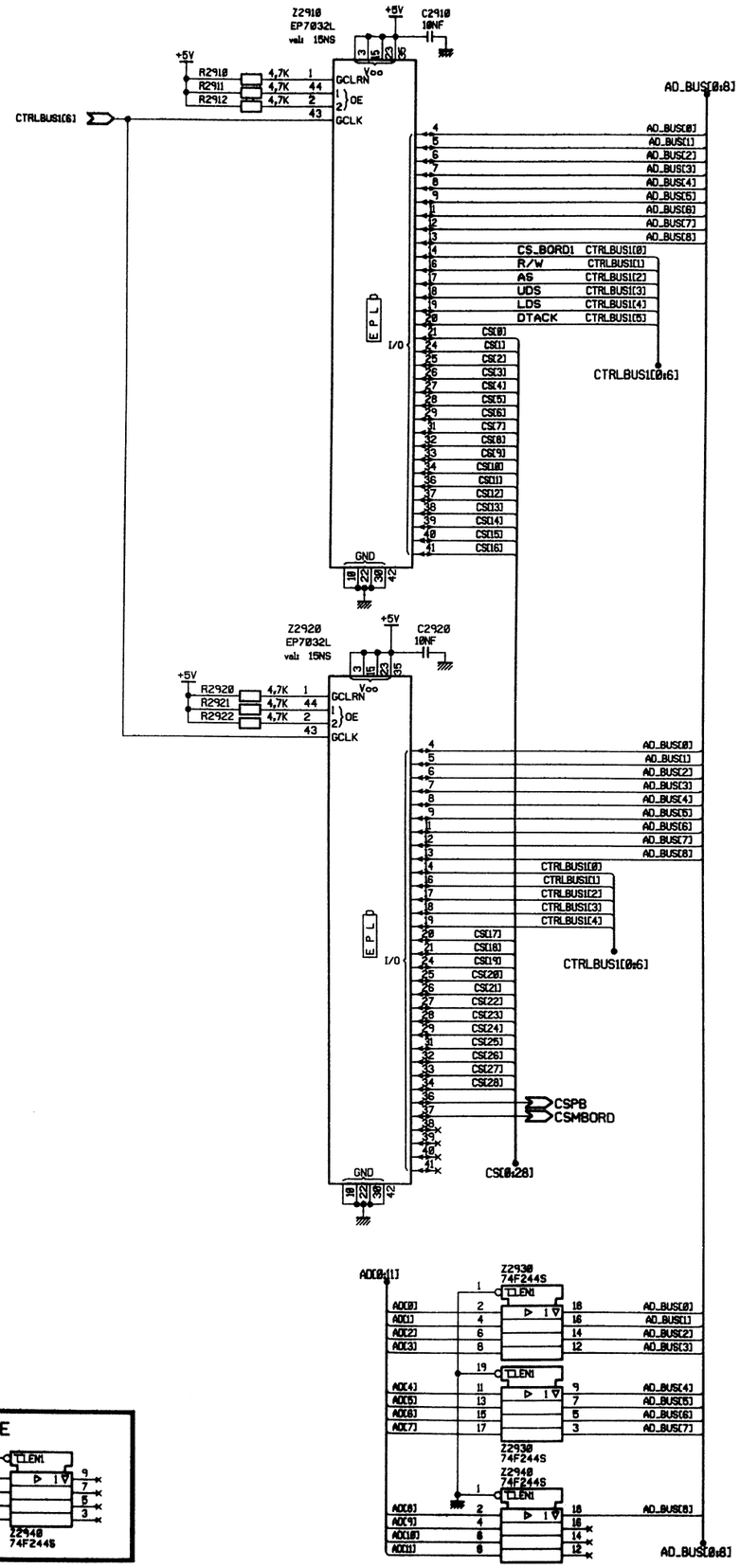


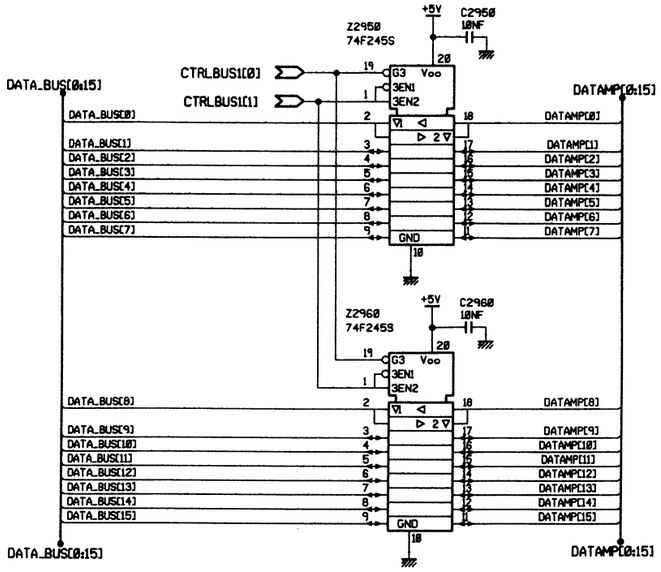
THOMSON	TTV9200					
	TITLE: BORDER LIGHT					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	22/27	BF2300	

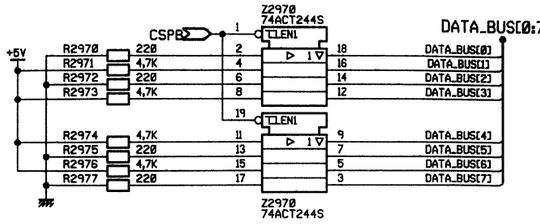
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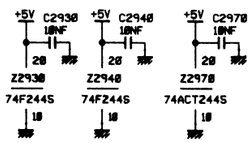


CHIPS SELECT

CS[0:28]

CS[0]	COVILUKE KEY PROCESS	KEY PROCESS
CS[1]	COMMANDE FILTRE 1	
CS[2]	FILTRE 1	MASK COMPOSE AND PHASING
CS[3]	CDE FILTRE 2	
CS[4]	FILTRE 2	
CS[5]	CS_X21	
CS[6]	CS_Y20	
CS[7]	CS_Y21	
CS[8]	CS_X10	
CS[9]	CS_X11	
CS[10]	CS_Y10	
CS[11]	CS_Y11	
CS[12]	CS_X20	
CS[13]	BLANKING DSK BORD	DSK BORD
CS[14]	GESTION KEY LARGE	
CS[15]	ASIC A DSK BORD	
CS[16]	ASIC B DSK BORD	
CS[17]	DELAY DSK BORD	
CS[18]	BLANKING KEY BORD	KEY BORDER GENERATOR AND SELECT
CS[19]	GESTION KEY LARGE	
CS[20]	ASIC A KEY BORD	
CS[21]	ASIC B KEY BORD	
CS[22]	DELAY KEY BORD	
CS[23]	FOND COLORE Y	VIDEO PROCESS
CS[24]	FOND COLORE CR	
CS[25]	FOND COLORE CB	
CS[26]	VIDEO PROCESS COMMAND	
CS[27]	COMMAND COVILUKE	
CS[28]	TEST REGISTER	CLOCK AND SIGNAL DECODING

MICROPROCESSOR INTERFACE



THOMSON	TTV9200					
	TITLE: BORDER LIGHT					
	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	23/27	BF2900	

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CLOCK[0:5]

Z3000 ECL10125L — +5V — C3000 10NF — R3000 110 — R3001 220 — R3002 110 — R3003 220 — L3000 2,2MH — -5,2V

DL3000 DPAS14X3..3 50NS — C3002 10NF — PT3000 — R3012 R3004 R3005 R3006 R3007 0OHM

DL3001 DPAS14X3..3 50NS — C3003 10NF — PT3001 — R3013 R3008 R3009 R3010 R3011 0OHM

DL3030 DPAS14X3..3 50NS — C3031 10NF — R3030 R3031 R3032 R3033 R3034 R3035 R3036 R3037 0OHM

2H → 2HR2, 2HD, 2HR1

Z3030 74F574S — C3030 10NF — /H[0:13] → H[0:7]

Z3040 74F574S — C3040 10NF — H[5] → H[8:13]

KEY BORDER GENERATOR

Z3050 74F574S — C3050 10NF — /H[0:13] → H[0:7]

Z3060 74F574S — C3060 10NF — H[8:15]

Z3070 74F574S — C3070 10NF — H[16:23]

Z3080 74F574S — C3080 10NF — H[24:28]

H[0:28]

MASQUE FILTER AND COMPOSE

KEY BORDER GENERATOR

KEY BORDER GENERATOR AND SELECT

Z3110 74ABT328H — C3110 10NF — 2H[0:10]

16	INPUT VIDEO 3	2H[6]
2	CLOCK AND SIGNAL	2H[7]
3	CLOCK AND SIGNAL	2H[8]
5	CLOCK AND SIGNAL	2H[10]

Z3120 74ABT328H — C3120 10NF

16	INPUT VIDEO 1	2H[0]
2	INPUT PROCESS	2H[1]
3	INPUT PROCESS	2H[2]
5	KEY PROCESS ASIC	2H[3]
6	CDE KEY PROCESS	2H[4]
8	INPUT VIDEO 2	2H[5]

Z3130 74F574S — C3130 10NF — 2H[3] /HR1 → H_ASIC

HR1[0:1] → Z3090 74F574S — C3090 10NF — 2HR1, HC0:28] → /HR1, HR1[0:1]

Z3100 74F574S — C3100 10NF — 2HR2 → HR2

KEY PROCESS

Z3020 74F574S — C3020 10NF — 2H, /H/2 → /H/2, H/2

+/- 2,5 NS PHASING WITH 2H ROUTING BOARD CLOCK

CLOCK AND SIGNAL DECODING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	24/27	BF3000	

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POINT COUNTER

COMMAND[0:4]

NZ3140 — NC

2H[0:10]

Z3150 74F163S — CTR4 — CP[0] CP[1] CP[2] CP[3]

Z3160 74F163S — CTR4 — CP[4] CP[5] CP[6] CP[7]

Z3170 74F163S — CTR4 — CP[8] CP[9] CP[10]

LINE COUNTER

NZ3140 — NC

2H[0:10]

Z3180 74F163S — CTR4 — CL[0] CL[1] CL[2] CL[3]

Z3190 74F163S — CTR4 — CL[4] CL[5] CL[6] CL[7]

Z3200 74F163S — CTR4 — CL[8] CL[9]

CL[0:9]

Z3210 EP7032L vslt 15NS

CP[1:0] CP[0] CP[1] CP[2] CP[3] CP[4] CP[5] CP[6] CP[7] CP[8] CP[9] CP[10]

TL[0:2] TL[0] TL[1] TL[2]

COMMAND[0:4] COMMAND[1]

I/O

SELKBGD SELKDSK PRESMASK R_W_P TOPBOX SEL[4]

GENEBOX[0:3] TOPL GENEBOX[0] SUP H/2 GENEBOX[1] SUP H GENEBOX[2]

WIPEM[0] WIPEM[1] WIPEM[2] WIPEM[0:2]

RESC[3] RESC[4] RESC[0] RESC[2] RESC[0:4]

Z3220 EP7032L vslt 15NS

RESC[0:4] RESC[1] RESC[0]

TOPBOX R_W_P

PRES[0] PRES[1] PRES[2] PRES[0:2]

R3223 100K C3224 1MF

RESTOMUX[0] RESTOMUX[1] RESTOMUX[2] RESTOMUX[0:2]

R_W_L

COMMAND[0:4] COMMAND[1] COMMAND[2]

TOP[GENEBOX[3]

GENEBOX[0:3]

CL[0] CL[1] CL[2] CL[3] CL[4] CL[5] CL[6] CL[7] CL[8] CL[9]

CL[0:9]

CDE TEST

CD_TEST[0:11]

CD_TEST[0]	KDSK DESERIAL
CD_TEST[1]	KBGD DESERIAL
CD_TEST[2]	VDSK DESERIAL
CD_TEST[3]	KDSK APRES TRAITEMENT KEY
CD_TEST[4]	KBGD APRES TRAITEMENT KEY
CD_TEST[5]	KDSK APRES FILTRAGE
CD_TEST[6]	KBGD APRES FILTRAGE
CD_TEST[7]	KDSK APRES ASIC BORDER
CD_TEST[8]	BORDURE DE KDSK
CD_TEST[9]	KEYMULTI DU KEY APRES ASIC BORDER
CD_TEST[10]	BORDURE DU KEY EN ENTREE
CD_TEST[11]	VDSK APRES MISE EN PHASE

Z3230 74ACT574S

CS[28] R3230 220 C3230 10NF

DATA_BUSR[0] DATA_BUSR[1] DATA_BUSR[2] DATA_BUSR[3] DATA_BUSR[4] DATA_BUSR[5] DATA_BUSR[6] DATA_BUSR[7]

CD_TEST[0] CD_TEST[1] CD_TEST[2] CD_TEST[3] CD_TEST[4] CD_TEST[5] CD_TEST[6] CD_TEST[7]

CD_TEST[0:11]

Z3240 74ACT574S

CS[28] R3240 220 C3240 10NF

DATA_BUSR[8] DATA_BUSR[9] DATA_BUSR[10] DATA_BUSR[11]

CD_TEST[8] CD_TEST[9] CD_TEST[10] CD_TEST[11]

DATA_BUSR[0:11]

Z3250 74F574S

COMMAND[0:18] 2HR1 R3250 220 C3250 10NF

COMMAND[4] COMMAND[11] COMMAND[7] COMMAND[8] COMMAND[9]

TOP_L_OPT PARITY STANDARD TOP_T_OPT WSL

Z3260 74F574S

2HR2 R3260 220 C3260 10NF

COMMAND[0] COMMAND[1] COMMAND[2] COMMAND[3] COMMAND[4]

COMMAND[0:4]

Z3270 74F244S

CTRLBUS[0:9]

CTRLBUS[3] CTRLBUS[4] CTRLBUS[5] CTRLBUS[6] CTRLBUS[7] CTRLBUS[8] CTRLBUS[9]

CS_BORD R/W AS UDS LDS DTACK CLOCK

CTRLBUS[0] CTRLBUS[1] CTRLBUS[2] CTRLBUS[3] CTRLBUS[4] CTRLBUS[5] CTRLBUS[6]

CTRLBUS[0:6]

Z3270 74F244S

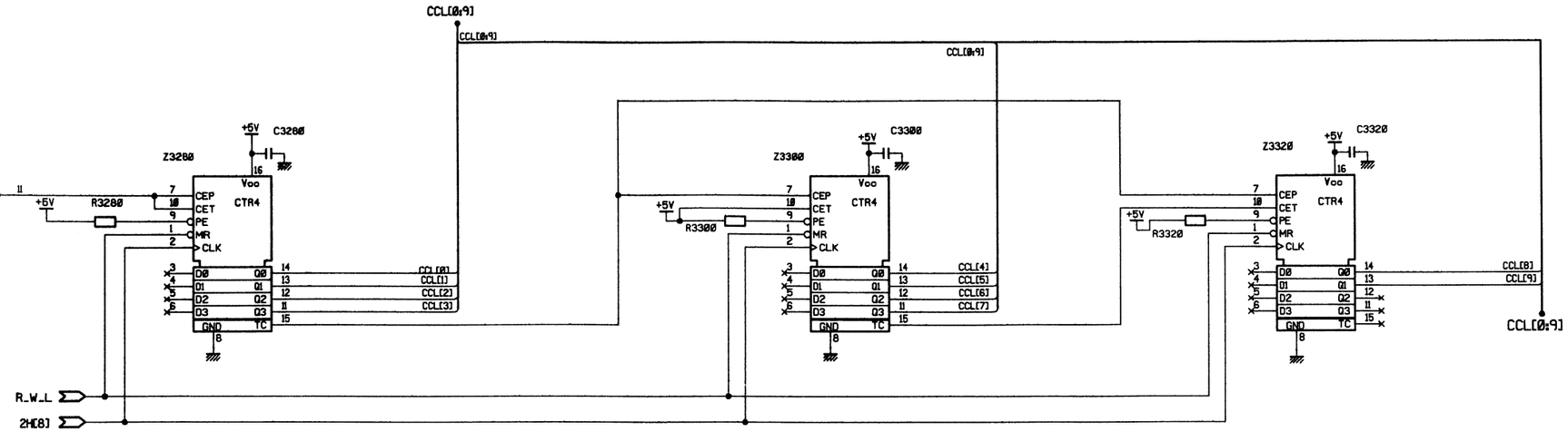
C3270 10NF

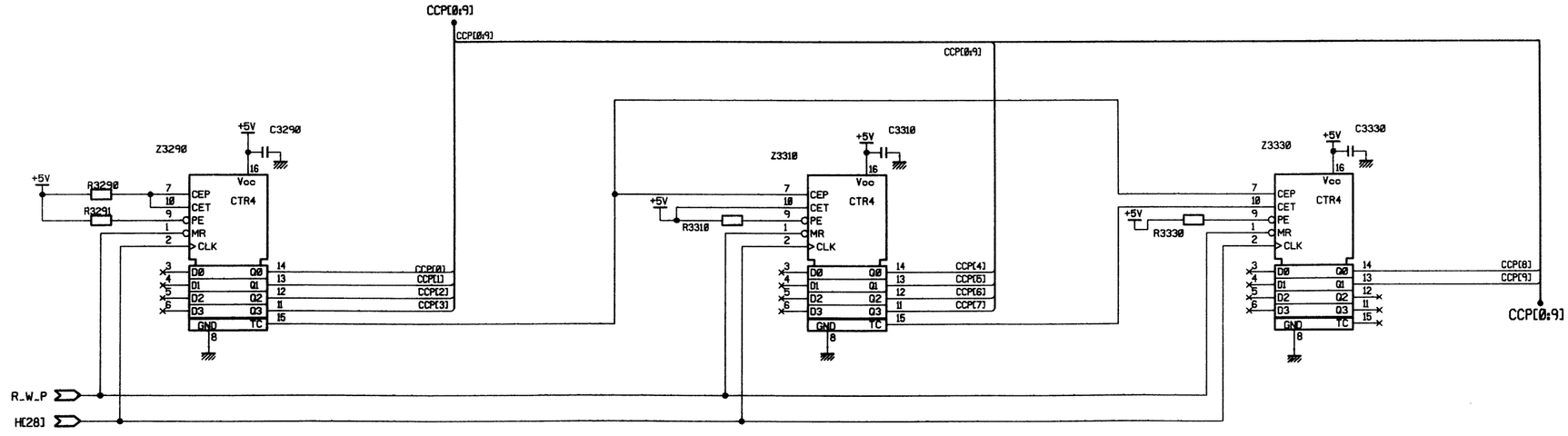
CLOCK AND SIGNAL DECODING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 25/27	BLOCK: BF3000	

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NC

CLOCK AND SIGNAL DECODING

	TTV9200					
	TITLE: BORDER LIGHT					
THOMSON	DRAWING NO	REV	CODE	SHEET	BLOCK	
	47032155	A	030	26/27	BF3000	

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DATA_BUS[0:11]
DATA[0:11]
AD_BUS[0:4]
AD[0:4]
Z3400
Z3410
Z3420
DATA_BUS[0]
DATA_BUS[1]
DATA_BUS[2]
DATA_BUS[3]
DATA_BUS[4]
DATA_BUS[5]
DATA_BUS[6]
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DATA_BUS[8]
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AD[1]
AD[2]
AD[3]
AD[4]
LEN1

2H[0:1]
OE[0:4]
CCP[0:9]
VIDEOATR[0:9]
Z3430
C3430
OE[1]
2H[0]
VIDEOIN[0:9]
Z3440
C3440
OE[0]
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+5V
Vcc
GND
EN
CP
10R
C3460
C3461
C3462
C3463
C3464
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C3467
C3468
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R3462
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CK/2
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CS[27]
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VOUT
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CS[23:27]
CS[23]
CS[24]
CS[25]
OE[4]
OE[5]
OE[6]
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FOND COLORE CR
FOND COLORE CB
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R3540
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VIDEOUT[8]
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TEST[3]
TEST[4]
TEST[5]
TEST[6]
TEST[7]
TEST[8]
TEST[9]
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C3490
Z3500
C3500
R3490
R3500
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H/2[0]
H_ASIC
I/CLK
I/OE
EPLD
OE[0]
OE[1]
OE[2]
OE[3]
OE[4]
OE[5]
OE[6]
H2
Z3400
C3400
Z3410
C3410
Z3420
C3420
R3420
FREE
POWER SEE CHANNEL A
CHANNEL B
NC

VIDEO PROCESS FCIO

	TTV9200				
	TITLE: BORDER LIGHT				
THOMSON	DRAWING NO: 47032155	REV: A	CODE: 030	SHEET: 27/27	BLOCK: BF3400

39967989 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
20			PLAQUE AERATION CRICKET	39961943
22			RESSORT BLOCAGE PLAQUE AER.	39961945
16			BARRETTE TARAUDEE	39961946
1			CAISSON	39965028
17			GUIDE CARTE GAUCHE	39965029
7			GUIDE CARTE MILIEU	39965030
2			GUIDE CARTE DROIT	39965031
9			PORTE AVANT	39965033
5		FACE ARRIERE	FACE ARRIERE	39965188
15			GUIDE VENTILATION	39965234
21			LAME RESSORT ALIM	39965241
6			ENTRETOISE LAME RESSORT	39965242
4			TIGE COMPAS	39965246
12			GUIDE TIGE COMPAS	39965247
8			FIXATION COMPAS	39965248
10			LOGO 9200	39965378
14			PLAQUE THOMSON	39965379
13			MOUSSE FILTRE A AIR	47018007
		POIGNEE	DE FACE ARRIERE	47018190
11		ATTACHE	C4410	91222781
		BANDE	250C038 ETAME BRILLANT	T1001056
3		GOUJON	R8540	T1002321
18		POIGNEE	TYPE LG-03 REF 10-129N	T1002379
		GOUJON	FHS M2,5-6 INOX	T1002739
		RIVET	SS/D/42/SS	T1003007
VIS52		RONDELLE	520251-80	91280718
VIS55		RIVET	TAP/D/33/BS	99033545
VIS51		RONDELLE	520401-80	99051636
VIS54		VIS	F/90 M2,5X5 U INOX A4-50 PASSI	99052407
VIS53		ECROU	H M2,5 U INOX A4 PASSIVE	99059911
VIS59		RIVET	TAP/K/320/BS	99060125
VIS50		VIS	C M4X8/8 U INOX.A4 PASS.	99060928
VIS57		RIVET	SS/D/42/SS	T1003007
VIS56		RIVET	TLP/K/419/BS (NI-CU)	T1003048
VIS58		RIVET	TLP/K/424/SF (NI-CU)	T1003049

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3D967990 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	5	VIS	UNC 4-40 TCHC LG:3/8' INOX	91498582
	6	RONDELLE	520301-80	99051638
CONNECTOR (FIXED)				
J	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43		222462-1 (BNC75-EFD-CIF)	T1000686
J	52 53		STV-H15-F-EE 594752	T1002472
J	120 150 190 220 250 290 320 350 420 450 520 550		METRIC2/2 EMD-4X6-SRA-CIF	T9000927
J	110 140 180 210 240 280 310 340 410 440 510 540		METRIC2/2 EMD-4X48-SRA-CIF	T9001287
J	46 47 48 49 50 51		SUBDO9S-CIF-Y-H12-COL.TAR.UNC	T9001429
J	44 45		SUBD25S-CIF-Y-H12-UNC4/40	T9001430

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	12		RAIDISSEUR ARRIERE H:8	39965369
	13		RAIDISSEUR AVANT H:8	39965373
	23		ETIQUETTE BLANCHE	47018096
	11	RONDELLE	520301-80	99051638
	10	VIS	C M3X8/8 U INOX.A4 PASS.	99060924
	20	EXTRACTEUR	107-50-3-P	T1002349
CAPACITOR				
C	1574	CONDENSATEUR FIXE	CN74-5-2C2 0,1 MF +-20% 63V	99108243
C	1581	CONDENSATEUR CHIPS	***CC1206B-2C1 0,1MF 10% 50/63	99124031
C	1 2 4 5 7 8 10 11 13 14 16 17 19 20 22 23	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	1303 1840 2680 2980 3280 3580 3880 4180	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	1570	CONDENSATEUR CHIPS	CC0805B-1CG 2,2 PF+-0,25PF100V	99187383
C	1542 1569	CONDENSATEUR CHIPS	CC0805B-1CG 470 PF +-5% 100V	99187397
C	100 102 200 202 300 302 400 402 500 502 600 602 700 702 800 802 900 902 1000 1002 1100 1102 1200 1202 2602 2902 3202 3205 3502 3505 3802 4102	CONDENSATEUR CHIPS	CC0805B-1CG 47 PF 5% 100V	99187401
C	1304 1895	CONDENSATEUR CHIPS	CC0805B-1CG 150 PF +-5% 100V	99187410
C	50 60 104 130 140 204 230 240 304 330 340 404 430 440 504 530 540 604 630 640 704 730 740 804 830 840 904 930 940 1004 1030 1040 1104 1130 1140 1204 1230 1240 1305 1306 1320 1321 1322 1323 1330 1331 1332 1340 1350 1351 1360 1370 1380 1390 1400 1410 1420 1430 1440 1441 1442 1443 1450 1451 1452 1453 1460 1461 1462 1463 1470 1471 1472 1473 1480 1490 1500 1550 1551 1571 1572 1580 1590 1601 1610 1611 1620 1630 1640 1650 1660 1670 1680 1681 1700 1701 1730 1800 1810 1820 1830 1841 1842 1843 1844 1845 1846 1847 1848 1870 1880 1891 1892 1896 1897 1940 1950 2000 2020 2030 2043 2050 2070 2072 2080 2081 2100 2101 2120 2121 2123 2124 2126 2127 2128 2130 2132 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2205 2401 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2600 2604 2640 2650 2660 2670 2671 2681 2682 2683 2684 2685 2686 2687 2688 2713 2720 2730 2740 2750 2760 2770 2780 2790 2900 2904 2940 2950 2960 2970 2971 2981 2982 2983 2984 2985 2986 2987 2988 3020 3030 3040 3050 3060 3070 3080 3090 3200 3204 3240 3250 3260 3270 3271 3281 3282 3283 3284 3285 3286 3287 3288 3313 3320 3330 3340 3350 3360 3370 3380 3390 3500 3504 3540 3550 3560 3570 3571 3581 3582 3583 3584 3585 3586 3587 3588 3620 3630 3640 3650 3660 3670 3680 3690 3800 3804 3840 3850 3860 3870 3871 3881 3882 3883 3884 3885 3886 3887 3888 3913 3920 3930 3940 3950 3960 3970 3980 3990 4000 4100 4104 4140 4150 4160 4170 4171 4181 4182 4183 4184 4185 4186 4187 4188 4220 4230 4240 4250 4260 4270 4280 4290 4300 4500 4510 4520 4530 4540 4550 4600 4610 4620 4630 4640 4650 4651 4652 4653 4654 4655 4656 4657 4658 4659 4660 4661 4670 4680 4690 4700 4710 4720 4730 4900 4910 4920 4930 4940 4950 4960 4970 4980 4990 5000 5010 5200 5210 5220 5230 5240 5250 5251 5252 5253 5254 5255 5256 5257 5258 5259 5260 5261 5270 5280 5290 5300 5310 5320 5330 5500 5510 5520 5530 5540 5550 5560 5570 5580 5590 5600 5610	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	1302 1325 2712 3012 3312 3612 3912	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	25 101 103 105 141 201 203 205 241 301 303 305 341 401 403 405 441 501 503 505 541 601 603 605 641 701 703 705 741 801 803 805 841 901 903 905 941 1001 1003 1005 1041 1101 1103 1105 1141 1201 1203 1205 1241 1894 2071 2073 2125 2400 2421 2441 2461 2481 2501 2601 2603 2641 2901 2903 2941 3201 3203 3241 3501 3503 3541 3801 3803 3841 4101 4103 4141	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	3 6 9 12 15 18 21 24 1540 1541 1893 1898 2129 2131 2133	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	1324	CONDENSATEUR CHIPS	CAC66 47 MF 20% 16V -40+105	T9000693
C	1300 1301	CONDENSATEUR CHIPS	CAC66 100 MF 20% 6,3V -40+105	T9000694
C	1600	CONDENSATEUR CHIPS	CC0805B-2C1 6,8 NF 10% 50/63V	T9000851
C	131 231 331 431 531 631 731 831 931 1031 1131 1231 1552 2710 2711 3010 3011 3310 3311 3610 3611 3910 3911 4210 4211 4212	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	2411 2422 2431 2442 2451 2462 2471 2482 2491	CONDENSATEUR CHIPS	CC1210B-1CG 10NF 10% 50/63V	T9001368
DIODE				
CR	1300 1301 1540 1550 1551	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	2710 3010 3310 3610 3910 4210	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL	5 6 7 8 9 10	DIODE ELECTROLUMINESCENTE CMS	LSA670-J (ROUGE)	T1002691
CRL	1 2 3 4	DIODE ELECTROLUMINESCENTE CMS	LGA670-J (VERT)	T1002692
DIODE				
CRZ	3200 3500	DIODE CMS	BZX84C3V9 SOT23	99111194
CRZ	1300	DIODE CMS	BZX84C5V1 SOT23 [Z2]	99111196
DELAY LINE				
DL	1350 1890	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
DL	1350A 1890A	SUPPORT DE CIRCUIT INTEGRE	SCC1D14-Y3-A-B	T9001183
E	100 200 300 400 500 600 700 800 900 1000 1100 1200 1440 1891 2601 2901 3200 3201 3500 3501 3801 4101	CAVALIER	313 1366 0 00 40 6	91565557
E	100A 200A 300A 400A 500A 600A 700A 800A 900A 1000A 1100A 1200A 1440A 1891A 2601A 2901A 3200A 3201A 3500A 3501A 3801A 4101A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 2 3 4 6 7	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
F	5 8	FUSIBLE	MFR110 (MULTIFUSE)	T1001112
INDUCTOR				
L	1 2 3 4 5 6 7 8	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	9 100 140 200 240 300 340 400 440 500 540 600 640 700 740 800 840 900 940 1000 1040 1100 1140 1200 1240 1580 1890 1892 2000 2020 2030 2050 2120 2121 2122 2123 2124 2400 2420 2440 2460 2480 2500 2640 2670 2940 2970 3240 3270 3540 3570 3840 3870 4140 4170	INDUCTANCE	TR021 2,2 MICROHENRYS +-10%	99100014
L	1891	INDUCTANCE	TR021 0,22 MICROHENRY 2%	T9000490
CONNECTOR (MOBILE)				
P	20 50 90	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40 80	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 1300	PLOT	E06626-L2M	91382049

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
PT	1301 1302 1303 1800 1801 1802 2680 2980 3280 3580 3880 4180	PLOT	E06626-L2M	91382049
TRANSISTOR				
Q	1540	TRANSISTOR CMS	SO2222A NPN SOT23 [N20]	91492993
Q	130 140 230 240 330 340 430 440 530 540 630 640 730 740 830 840 930 940 1030 1040 1130 1140 1230 1240 2300 2310 2320 2330 2340 2350 2360 2370 2380 2390 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500	TRANSISTOR CMS	BFR92A NPN SOT23 [P2]	91557752
Q	120 220 320 420 520 620 720 820 920 1020 1120 1220 1930 2640 2940 3240 3540 3840 4140	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	1560	TRANSISTOR CMS	SST110 NFET SOT23	T1000627
RESISTOR				
R	1552 1553 1572 1575	RESISTANCE CHIPSE	RRO805 2 KOHMS 5% 1/10W K250	99142860
R	1309	RESISTANCE CHIPSE	RRO805 12 KOHMS 5% 1/10W K250	99180453
R	3 4 1303 1308 1312	RESISTANCE CHIPSE	RRO805 470 OHMS 5% 1/10W K250	99180458
R	1306	RESISTANCE CHIPSE	RRO805 2,2 KOHMS 5% 1/10W K250	99180463
R	1324	RESISTANCE CHIPSE	RRO805 10 OHMS 5% 1/10W K250	99180467
R	1555	RESISTANCE CHIPSE	RRO805 39 KOHMS 5% 1/10W K250	99180468
R	1551 1570 1573 1840 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1911 1916 2050 2051 2052 2053 2054 2055 2056 2057 2081 2082 2083 2084 2085 2086 2088 2101 2102 2103 2104 2105 2106 2107 2108 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2680 2910 2911 2912 2913 2914 2915 2916 2917 2918 2919 2920 2921 2980 3210 3211 3212 3213 3214 3215 3216 3217 3218 3219 3220 3221 3280 3510 3511 3512 3513 3514 3515 3516 3517 3518 3519 3520 3521 3580 3810 3811 3812 3813 3814 3815 3816 3817 3818 3819 3820 3821 3880 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4180	RESISTANCE CHIPSE	RRO805 1 KOHM 5% 1/10W K250	99180470
R	1556 2711 3011 3311 3611 3911 4211	RESISTANCE CHIPSE	RRO805 1 MOHM 5% 1/10W K250	99180471
R	509 609 709 809 909 1009 1109 1209 1560 1610	RESISTANCE CHIPSE	RRO805 100 KOHMS 5% 1/10W K250	99180472
R	142 242 342 442 542 642 742 842 942 1042 1142 1242	RESISTANCE CHIPSE	RRO805 82 OHMS 5% 1/10W K250	99180477
R	2710 3010 3310 3610 3910 4210	RESISTANCE CHIPSE	RRO805 100 OHMS 5% 1/10W K250	99180479
R	1305 1307 1311	RESISTANCE CHIPSE	RRO805 22 KOHMS 5% 1/10W K250	99180480
R	105 205 305 405 505 605 705 805 905 1005 1105 1205 1320 1321 1322 1323 1325 1330 1332 1554 1571 1600 1601 1602 1603 1604 1605 1606 1607 1612 1613 1614 1615 1616 1617 1917 2607 2907 3205 3206 3207 3505 3506 3507 3807 4107	RESISTANCE CHIPSE	RRO805 10 KOHMS 5% 1/10W K250	99180481
R	1 2 5 6 7 8 9 10 1480 1490 1500 1611 1841 1844 1845 1846 1847 1850 1851 1854 1855 1856 1857 1858 1862 1863 1864 1870 1880 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2684 2685 2686 2687 2691 2696 2697 2698 2699 2700 2702 2705 2706 2720 2740 2741 2742 2780 2781 2782 2922 2923 2924 2925 2926 2927 2928 2929 2930 2931 2932 2984 2985 2986 2987 2991 2996 2997 2998 2999 3000 3002 3005 3006 3020 3040 3041 3042 3080 3081 3082 3222 3223 3224 3225 3226 3227 3228 3229 3230 3231 3232 3284 3285 3286 3287 3291 3296 3297 3298 3299 3300 3302 3305 3306 3320 3340 3341 3342 3380 3381 3382 3522 3523 3524 3525 3526 3527 3528 3529 3530 3531 3532 3584 3585 3586 3587 3591 3596 3597 3598 3599 3600 3602 3605 3606 3620 3640 3641 3642 3680 3681 3682 3822 3823 3824 3825 3826 3827 3828 3829 3830 3831 3832 3884 3885 3886 3887 3891 3896 3897 3898 3899 3900 3902 3905 3906 3920 3940 3941 3942 3980 3981 3982 4122 4123 4124 4125 4126 4127 4128 4129 4130 4131 4132 4184 4185 4186 4187 4191 4196 4197 4198 4199 4200 4202 4205 4206 4220 4240 4241 4242 4280 4281 4282 4500 4501 4510 4511 4600 4601 4610 4611 4650 4680 4690 4730 4900 4901 4910 4911 4930 4931 5010 5200 5201 5210 5211 5250 5280 5290 5330 5500 5501 5510 5511 5530 5531 5610	RESISTANCE CHIPSE	RRO805 220 OHMS 5% 1/10W K250	99180485
R	132 141 232 241 332 341 432 441 532 541 632 641 732 741 832 841 932 941 1032 1041 1132 1141 1232 1241	RESISTANCE CHIPSE	RRO805 33 OHMS 5% 1/10W K250	99180489
R	1591 1593 1595	RESISTANCE CHIPSE	RRO805 33 KOHMS 5% 1/10W K250	99180490
R	1302 1590 1592	RESISTANCE CHIPSE	RRO805 15 KOHMS 5% 1/10W K250	99180491
R	1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1914 1915 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2058 2059 2089 2090 2091 2092 2109 2110 2111 2112 2154 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190	RESISTANCE CHIPSE	RRO805 270 OHMS 5% 1/10W K250	99180496
R	1310	RESISTANCE CHIPSE	RRO805 56 KOHMS 5% 1/10W K250	99180497
R	1300 1301 1380 1381 1390 1400 1410 1420 1430 1440 1441 1442 1443 1450 1451 1452 1460 1461 1462 1470 1471 1472 1482 1620 1630 1640 1650 1660 1661 1670 1680 1700 1730 1842 1843 1848 1849 1852 1853 1859 2080 2100 2681 2682 2683 2688 2689 2694 2695 2701 2704 2712 2721 2722 2981 2982 2983 2988 2989 2994 2995 3001 3004 3012 3021 3022 3281 3282 3283 3288 3289 3294 3295 3301 3304 3312 3321 3322 3581 3582 3583 3588 3589 3594 3595 3601 3604 3612 3621 3622 3881 3882 3883 3888 3889 3894 3895 3901 3904 3912 3921 3922 4181 4182 4183 4188 4189 4194 4195 4201 4204 4212 4221 4222 4540 4541 4542 4550 4551 4552	RESISTANCE CHIPSE	RRO805 4,7 KOHMS 5% 1/10W K250	99180498
R	2071	RESISTANCE CHIPSE	RRO805 120 OHMS 5% 1/10W K250	99180499
R	1912	RESISTANCE CHIPSE	RRO805 1,5 KOHM 5% 1/10W K250	99180501
R	1304 1352 1481 1921 1924 2044 2045 2087 2152 2153 2155	RESISTANCE CHIPSE	RRO805 0 OHM	99180514
R	130 131 230 231 330 331 430 431 530 531 630 631 730 731 830 831 930 931 1030 1031 1130 1131 1230 1231 2041 2043 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2156 2157	RESISTANCE CHIPSE	RRO805 51 OHMS 5% 1/10W K250	99180528
R	2072	RESISTANCE CHIPSE	RRO805 75 OHMS 5% 1/10W K250	99180602
R	1540 1581	RESISTANCE CHIPSE	RRO805 150 KOHMS 5% 1/10W K250	99181049
R	1550	RESISTANCE CHIPSE	RRO805 3 KOHMS 5% 1/10W K250	99181138
R	1541	RESISTANCE CHIPSE	RRO805 30 KOHMS 5% 1/10W K250	99181149
R	1542	RESISTANCE CHIPSE	RRO805 620 OHMS 5% 1/10W K250	99181178

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
R	120 220 320 420 520 620 720 820 920 1020 1120 1220 1331 1930 2640 2940 3240 3540 3840 4140	POTENTIOMETRE CMS	ST-5W 10 KOHMS 10% (11 TOURS)	T1002157
R	1594 1913	RESISTANCE CHIPSE	RR0805 3,6 KOHMS 5% 1/10W K250	T9000041
R	2010 2042 2060 2400 2401 2402 2403 2404	RESISTANCE CHIPSE	RR0805 110 OHMS 5% 1/10W K250	T9000046
R	2414 2421 2434 2441 2454 2461 2474 2481 2494 2501	RESISTANCE CHIPSE	RC3715 33 OHMS 1% 1/4W K50	T9000196
R	2600 2601 2900 2901 3200 3201 3500 3501 3800 3801 4100 4101	RESISTANCE CHIPSE	RC3715 51 OHMS 1% 1/4W K50	T9000200
R	2412 2413 2432 2433 2452 2453 2472 2473 2492 2493	RESISTANCE CHIPSE	RC3715 62 OHMS 1% 1/4W K50	T9000202
R	100 102 133 140 200 202 233 240 300 302 333 340 400 402 433 440 500 502 533 540 600 602 633 640 700 702 733 740 800 802 833 840 900 902 933 940 1000 1002 1033 1040 1100 1102 1133 1140 1200 1202 1233 1240 2415 2420 2435 2440 2455 2460 2475 2480 2495 2603 2604 2903 2904 3203 3233 3503 3803 3804 4103 4104	RESISTANCE CHIPSE	RC3715 75 OHMS 1% 1/4W K50	T9000204
R	2422 2442 2462 2482 2502	RESISTANCE CHIPSE	RC3715 82 OHMS 1% 1/4W K50	T9000205
R	107 108 207 208 307 308 407 408 507 508 607 608 707 708 807 808 907 908 1007 1008 1107 1108 1207 1208 2410 2411 2430 2431 2450 2451 2470 2471 2490 2491	RESISTANCE CHIPSE	RC3715 180 OHMS 1% 1/4W K50	T9000209
R	2503	RESISTANCE CHIPSE	RC3715 330 OHMS 1% 1/4W K50	T9000215
R	106 206 306 406 506 606 706 806 906 1006 1106 1206	RESISTANCE CHIPSE	RC3715 1 KOHM 1% 1/4W K50	T9000227
R	101 201 301 401 501 601 701 801 901 1001 1101 1201 2602 2902 3202 3502 3802 4102	RESISTANCE CHIPSE	RC3715 2,2 KOHMS 1% 1/4W K50	T9000235
R	2300 2310 2320 2330 2340 2350 2360 2370 2380 2390	RESISTANCE CHIPSE	RC3715 3,3 KOHMS 1% 1/4W K50	T9000239
R	103 134 203 234 303 334 403 434 503 534 603 634 703 734 803 834 903 934 1003 1034 1103 1134 1203 1234	RESISTANCE CHIPSE	RC3715 10 KOHMS 1% 1/4W K50	T9000251
R	2416 2423 2436 2443 2456 2463 2476 2483 2496	RESISTANCE CHIPSE	RC3715 100 KOHMS 1% 1/4W K50	T9000274
R	1580	RESISTANCE CHIPSE	RR0805 240 KOHMS 5% 1/10W K250	T9000358
R	2500	RESISTANCE CHIPSE	RC3715 36 OHMS 1% 1/4W K50	T9000587
QUARTZ				
Y	1320	OSCILLATEUR A QUARTZ	VC-TCXO-43C 27MHZ +-3PPM-20+60	T1000325
INTEGRATED CIRCUIT				
Z	1440	CIRCUIT INTEGRE PROGRAMME	Z 1440	20335937
Z	1450	CIRCUIT INTEGRE PROGRAMME	Z 1450	20335938
Z	1460	CIRCUIT INTEGRE PROGRAMME	Z 1460	20335939
Z	1470	CIRCUIT INTEGRE PROGRAMME	Z 1470	20335940
Z	4540	CIRCUIT INTEGRE PROGRAMME	Z 4540	20335941
Z	4550	CIRCUIT INTEGRE PROGRAMME	Z 4550	20335942
Z	4690	CIRCUIT INTEGRE PROGRAMME	Z 4690	20335945
Z	4930	CIRCUIT INTEGRE PROGRAMME	Z 4930	20335947
Z	5290	CIRCUIT INTEGRE PROGRAMME	Z 5290	20335948
Z	5530	CIRCUIT INTEGRE PROGRAMME	Z 5530	20335950
Z	2120A	RADIATEUR	CO929P CODE 10 SUIVANT SPE.	39964420
Z	2070C	CANON ISOLANT	56359C	91509485
Z	2120B	RONDELLE	520501-80	99051635
Z	2070D	RONDELLE	520301-80	99051638
Z	2070F	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
Z	2070E	ECROU	H M3 U INOX A4 PASSIVE	99059912
Z	2120C	ECROU	H M5 U INOX.A4 PASSIVE 80KG	99059914
Z	2070B	RONDELLE	60 11 8302 1674	99112427
Z	2070A	RADIATEUR	RA37/1 (TO220)	99124639
Z	1320	CIRCUIT INTEGRE CMS	74HC4053 SO16P-40+85(B.ETROIT)	99137357
Z	1300 1550 1570	CIRCUIT INTEGRE CMS	072 SO8P 0+70	99141743
Z	2710 3310 3910	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	1800 1810	CIRCUIT INTEGRE CMS	74F74 SO14P 0+70	99142299
Z	1380 1390 1400 1410 1420 1430 1620 1630 1640 1650 1660 1670	CIRCUIT INTEGRE CMS	74F163 SO16P 0+70	99143541
Z	1730 2720 3020 3320 3620 3920 4220	CIRCUIT INTEGRE CMS	74F86 SO14P 0+70	99143565
Z	60 4500 4510 4600 4610 4900 4910 5200 5210 5500 5510	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	4520 4530	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	2120	CIRCUIT INTEGRE CMS	FB2628BK (QF172)	T1001698
Z	4650 5250	CIRCUIT INTEGRE ASIC CMS	TSBC4416ACD QF100P 0+70	T1002425
Z	1840 2680 2980 3280 3580 3880 4180	CIRCUIT INTEGRE ASIC CMS	MC9V-22KFK3-5 (DEROGATION)	T1002816
Z	1440 1450 1460 1470 4540 4550	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	1580	CIRCUIT INTEGRE CMS	GS4982-CKA SO8P 0 +70	T1005547
Z	1480 1490 1500 1870 1880 1950 2730 2750 2770 2790 3030 3050 3070 3090 3330 3350 3370 3390 3630 3650 3670 3690 3930 3950 3970 3990 4230 4250 4270 4290 4680 4920 5280 5520	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	1610	CIRCUIT INTEGRE CMS	74HCT123 SO16P -40+85	T9000389
Z	1330	CIRCUIT INTEGRE CMS	360 SO8P 0+70	T9000398
Z	1600	CIRCUIT INTEGRE CMS	74HCT221 SO16P -40+85	T9000443
Z	2000 2020 2030 2050 2400	CIRCUIT INTEGRE CMS	100E116 PLCC28 0+85	T9000679
Z	4690 4930 5290 5530	RESEAU LOGIQUE PROGRAMMABLE	16V8A 15NS D20P	T9000681
Z	1890	CIRCUIT INTEGRE	SR1601A PGA37	T9000752
Z	100 200 300 400 500 600 700 800 900 1000 1100 1200 2600 2900 3200 3500 3800 4100	CIRCUIT INTEGRE	DSR1602A PGA37	T9000753
Z	2650 2660 2670 2950 2960 2970 3250 3260 3270 3550 3560 3570 3850 3860 3870 4150 4160 4170	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	2070	CIRCUIT INTEGRE	333 TO220 -40+125 (-1,2-32V)	T9000846
Z	1680 1700 2080 2100	CIRCUIT INTEGRE CMS	100324 PLCC28 0+85	T9000861
Z	1590	CIRCUIT INTEGRE CMS	74F14 SO14P 0+70	T9000892
Z	1440A 1450A 1460A 1470A 4540A 4550A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	4690A 4930A 5290A 5530A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	1340 1350 1360 1370	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	100A 200A 300A 400A 500A 600A 700A 800A 900A 1000A 1100A 1200A 1890A 2600A 2900A 3200A 3500A 3800A 4100A	SUPPORT DE CIRCUIT INTEGRE	SPGA37-10-F-1N-0,2AU-Y3	T9001187
Z	2740 2780 3040 3080 3340 3380 3640 3680 3940 3980 4240 4280	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	50 1820 1830 1940 2760 3060 3360 3660 3960 4000 4260 4300 4620 4630 4640 4670 4700 4710 4720 4730 4940 4950 4960 4970 4980 4990 5000 5010 5220 5230 5240 5270 5300 5310 5320 5330 5540 5550 5560 5570 5580 5590 5600 5610	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	12		RAIDISSEUR ARRIERE H:12 CI 9U	39965086
	13		RAIDISSEUR AVANT H:12 CI 9U	39965090
	21		ETIQUETTE JAUNE	47018097
	11	RONDELLE	520301-80	99051638
	10	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20	EXTRACTEUR	107-50-3-P	T1002349
BT	5700A	CONTACT	15023-93-1810	T1002446
BT	5700	PILE	1000-0B (3V 960MAH)	T1002450
CAPACITOR				
C	5702	CONDENSATEUR CHIPS	CTC3B 2,2MF 20% 20V DOC.	96103241
C	1 3 5 6 8 9 11 12 14 15 17 18 180 350 390 6400 6800	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	1730 1820 4580 5470	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	5734 5735	CONDENSATEUR CHIPS	CC0805B-1CG 27 PF +-5% 100V	99187384
C	1531 3021 5401 5402	CONDENSATEUR CHIPS	CC0805B-1CG 47 PF 5% 100V	99187401
C	6021 6041 6061	CONDENSATEUR CHIPS	CC0805B-1CG 68 PF 5% 100V	99187409
C	1606 1666 4506	CONDENSATEUR CHIPS	CC0805B-1CG 150 PF +-5% 100V	99187410
C	41 100 110 120 130 140 150 160 170 190 200 210 220 230 240 250 260 270 280 310 340 360 370 380 400 401 402 410 420 430 440 450 460 470 480 490 500 510 520 530 542 550 560 570 580 590 800 801 802 803 804 805 806 807 810 811 812 813 814 815 816 817 820 821 822 823 824 825 826 827 830 831 832 833 834 835 836 837 840 841 842 843 844 845 846 847 850 851 852 853 854 855 856 857 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1180 1190 1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1400 1410 1420 1430 1440 1450 1460 1470 1510 1520 1530 1540 1550 1560 1600 1603 1605 1608 1651 1660 1663 1664 1701 1710 1720 1731 1732 1733 1734 1735 1736 1737 1738 1760 1780 1790 1810 1821 1822 1823 1824 1825 1826 1827 1828 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 1991 2000 2010 2020 2030 2040 2050 2051 2052 2053 2061 2070 2080 2090 2100 2110 2120 2160 2170 2180 2190 2200 2210 2220 2230 2240 2250 2260 2270 2280 2290 2300 2400 2410 2420 2430 2431 2432 2433 2440 2450 2460 2480 2500 2510 2520 2530 2540 2550 2560 2570 2600 2610 2620 2630 2631 2632 2633 2640 2650 2660 2680 2700 2710 2740 2750 2760 2770 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 4010 4020 4060 4070 4080 4090 4120 4130 4131 4132 4133 4140 4150 4160 4170 4180 4210 4240 4250 4260 4270 4280 4290 4320 4330 4500 4503 4504 4507 4551 4581 4582 4583 4584 4585 4586 4587 4588 4610 4620 4630 4800 4810 4820 4830 4840 4850 4860 4870 4880 4890 4900 4910 4920 4930 4950 4960 4970 4980 5000 5010 5020 5030 5040 5050 5060 5070 5080 5090 5200 5201 5202 5210 5220 5230 5240 5250 5251 5260 5270 5280 5290 5300 5404 5406 5440 5450 5460 5461 5471 5472 5473 5474 5475 5476 5477 5478 5500 5600 5610 5620 5630 5640 5650 5660 5670 5680 5693 5700 5720 5730 5731 5732 5733 5771 5780 5790 5800 5810 5820 5830 5840 5850 5860 5870 5880 5890 5900 5910 5920 5930 5931 5932 5933 5940 5941 5942 5943 5950 5960 5970 5980 5990 5991 5992 5993 6000 6001 6002 6003 6020 6022 6040 6042 6060 6062 6080 6090 6100 6120 6130 6140 6150 6160 6170 6180 6190 6191 6192 6193 6300 6310 6320 6330 6340 6350 6360 6370 6380 6390 6420 6430 6450 6470 6480 6490 6500 6520 6530 6540 6550 6700 6710 6720 6730 6740 6750 6760 6770 6780 6790 6820 6830 6850 6870 6880 6890 6900 6920 6930 6940 6950	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	5692	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	540 541 5770	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	40 1602 1652 1662 1702 4502 5400 5403 5405	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	2 4 7 10 13 16 1601 1604 1661 1665 4501 4505 4552	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
C	301 5690 5691 5701			
DIODE				
CR	6024 6044 6064	DIODE CMS	BAS16 SOT23 [A6]	99110304
CR	5690	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL	6151 6161 6171 6181	PHOTOCOUPLEUR	ILQ55 D16P -55+100	T1002121
CRL	6101	PHOTOCOUPLEUR	ILQ74 D16P -55+100	T1002122
CRL	540 5720 5730 5770	DIODE ELECTROLUMINESCENTE CMS	LSA670-J (ROUGE)	T1002691
CRL	1 2	DIODE ELECTROLUMINESCENTE CMS	LGA670-J (VERT)	T1002692
CRL	6101A 6151A 6161A 6171A 6181A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
DELAY LINE				
DL	1600 4500 5200 5250	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
DL	1600A 4500A 5200A 5250A	SUPPORT DE CIRCUIT INTEGRE	SCC1D14-Y3-A-B	T9001183
E	300 1600 1660 1820 1821 1822 4500 5400 5701 6020 6021 6040 6041 6060 6061	CAVALIER	313 1366 0 00 40 6	91565557
E	300A 1600A 1660A 1820A 1821A 1822A 4500A 5400A 5701A 6020A 6021A 6040A 6041A 6060A 6061A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 2 3 4 5 6	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
F	6151	FUSIBLE	MFR110 (MULTIFUSE)	T1001112
CONNECTOR (FIXED)				
J	5730A	BARRETTE DE RACCORDEMENT	AM1D-200-40-3,4-G (1X40-Y2)	T1002497
INDUCTOR				
L	1 2 3 4 5 6	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	40 1600 1602 1650 1660 1662 1700 4500 4501 4550 5200 5400 5460	INDUCTANCE	TRO21 2,2 MICROHENRYS +-10%	99100014
L	1601 1663 4502	INDUCTANCE	TRO21 0,22 MICROHENRY 2%	T9000490
CONNECTOR (MOBILE)				
P	20 50 90	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40 80	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 101 102 103 104 105 106 810 811 5301	PLOT	E06626-L2M	91382049
PT	20 21 22 23 24 25	PLOT CMS	RCT00000C	T1002596
TRANSISTOR				
Q	1640 1650 1690 1700 4540 4550	TRANSISTOR CMS	BFR92A NPN SOT23 [P2]	91557752

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
Q	1630 1680 4530 5430	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	5710	TRANSISTOR CMS	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	1650 1690 4540 6022 6024 6025 6042 6044 6045 6062 6064 6065	RESISTANCE CHIPSE	RRO805 150 OHMS 5% 1/10W K250	99180451
R	5220	RESISTANCE CHIPSE	RRO805 470 OHMS 5% 1/10W K250	99180458
R	1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1612 1614 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1672 1676 1730 1820 4500 4501 4502 4503 4504 4505 4506 4507 4508 4509 4513 4518 4580 5406 5407 5408 5409 5410 5411 5412 5413 5414 5415 5416 5417 5470 5740 5741 5742 5743 5744 5745 6021 6023 6041 6043 6061 6063	RESISTANCE CHIPSE	RRO805 1 KOHM 5% 1/10W K250	99180470
R	5691	RESISTANCE CHIPSE	RRO805 1 MOHM 5% 1/10W K250	99180471
R	5748 5749 5750 5751 5752 5753 5754 5755 5756 5757 5758 5759 5760 5761 5762 5763	RESISTANCE CHIPSE	RRO805 100 KOHMS 5% 1/10W K250	99180472
R	1654 1701 4553	RESISTANCE CHIPSE	RRO805 82 OHMS 5% 1/10W K250	99180477
R	1615 1616 1673 1674 4514 4515 5690	RESISTANCE CHIPSE	RRO805 100 OHMS 5% 1/10W K250	99180479
R	540 542 5771	RESISTANCE CHIPSE	RRO805 22 KOHMS 5% 1/10W K250	99180480
R	1613 1671 4512 5403 5431 5746 5747 6190 6191	RESISTANCE CHIPSE	RRO805 10 KOHMS 5% 1/10W K250	99180481
R	1 2 80 125 126 172 173 174 175 250 260 350 351 390 391 401 440 460 480 500 530 541 570 800 801 802 810 811 812 821 822 831 832 840 841 842 850 851 852 1560 1561 1562 1731 1734 1735 1736 1737 1740 1741 1744 1745 1746 1747 1748 1751 1752 1821 1824 1825 1826 1827 1830 1831 1834 1835 1836 1837 1838 1841 1842 2050 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 4321 4331 4581 4584 4585 4586 4587 4590 4591 4594 4595 4596 4597 4598 4600 4601 4602 4830 5418 5419 5420 5421 5422 5423 5424 5425 5426 5427 5428 5474 5475 5476 5477 5481 5486 5487 5488 5489 5490 5492 5495 5496 5500 5670 5672 5680 5682 5720 5730 5770 6100 6103 6106 6109 6150 6152 6154 6156 6160 6162 6164 6166 6170 6172 6174 6176 6180 6182 6340 6402 6404 6405 6406 6410 6740 6802 6804 6805 6806 6810	RESISTANCE CHIPSE	RRO805 220 OHMS 5% 1/10W K250	99180485
R	1640 1651 1691 1700 4541 4550	RESISTANCE CHIPSE	RRO805 33 OHMS 5% 1/10W K250	99180489
R	42 43 44 45 46 47 48 49	RESISTANCE CHIPSE	RRO805 270 OHMS 5% 1/10W K250	99180496
R	120 121 122 123 124 170 190 191 192 193 200 220 292 400 402 820 830 1040 1041 1042 1060 1061 1062 1080 1081 1082 1732 1733 1738 1739 1742 1743 1749 1750 1822 1823 1828 1829 1832 1833 1839 1840 2290 2430 2431 2630 2631 2840 2841 2842 2860 2861 2862 4060 4061 4062 4080 4081 4082 4130 4160 4320 4330 4582 4583 4588 4589 4592 4593 4599 4800 4801 4810 4820 4831 4832 4840 4850 4860 5000 5001 5002 5010 5011 5012 5020 5471 5472 5473 5478 5479 5484 5485 5491 5494 5501 5502 5610 5611 5612 5640 5641 5642 5671 5681 5692 5703 5704 5732 5733 5734 5735 5736 5737 5738 5772 6010 6011 6020 6040 6060 6101 6102 6104 6105 6107 6108 6110 6111 6194 6403 6409 6803 6809	RESISTANCE CHIPSE	RRO805 4,7 KOHMS 5% 1/10W K250	99180498
R	1611 1675 4511	RESISTANCE CHIPSE	RRO805 1,5 KOHM 5% 1/10W K250	99180501
R	5764	RESISTANCE CHIPSE	RRO805 680 KOHMS 5% 1/10W K250	99180503
R	153 160 1619 1623 1642 1653 1693 1703 1992 1994 2461 2661 4543 4552 5201 5250 5252 5254 5705 5731 5811 5812 5821 5822 5831 5841 5910 6026 6028 6030 6032 6047 6049 6051 6053 6067 6069 6071 6073 6151 6153 6155 6157 6161 6163 6165 6167 6171 6173 6175 6177 6181 6183	RESISTANCE CHIPSE	RRO805 0 OHM	99180514
R	5707	RESISTANCE CHIPSE	RRO805 150 KOHMS 5% 1/10W K250	99181049
R	1630 1680 4530 5430	POTENTIOMETRE CMS	ST-5W 10 KOHMS 10% (11 TOURS)	T1002157
R	1600 1660 4510	RESISTANCE CHIPSE	RRO805 3,6 KOHMS 5% 1/10W K250	T9000041
R	40 41 50 5204 5205 5206	RESISTANCE CHIPSE	RRO805 110 OHMS 5% 1/10W K250	T9000046
R	1641 1652 1692 1702 4542 4551 5401 5402	RESISTANCE CHIPSE	RC3715 75 OHMS 1% 1/4W K50	T9000204
R	5400	RESISTANCE CHIPSE	RC3715 2,2 KOHMS 1% 1/4W K50	T9000235
SWITCH				
S	300 5700 5730	COMMUTATEUR A POUSSOIR	BB-15AH	91620038
QUARTZ				
Y	5730	QUARTZ	HC49/U 15,36 MHZ 30PF 50PPM	T9000566
INTEGRATED CIRCUIT				
Z	310	CIRCUIT INTEGRE PROGRAMME	Z310	20335862
Z	340	CIRCUIT INTEGRE PROGRAMME	Z340	20335863
Z	430	CIRCUIT INTEGRE PROGRAMME	Z430	20335864
Z	470	CIRCUIT INTEGRE PROGRAMME	Z470	20335865
Z	1560	CIRCUIT INTEGRE PROGRAMME	Z1560	20335866
Z	2530	CIRCUIT INTEGRE PROGRAMME	Z2530	20335868
Z	2920	CIRCUIT INTEGRE PROGRAMME	Z2920	20335870
Z	4320	CIRCUIT INTEGRE PROGRAMME	Z4320	20335871
Z	4330	CIRCUIT INTEGRE PROGRAMME	Z4330	20335872
Z	4870	CIRCUIT INTEGRE PROGRAMME	Z4870	20335873
Z	4880	CIRCUIT INTEGRE PROGRAMME	Z4880	20335874
Z	5670	CIRCUIT INTEGRE PROGRAMME	Z5670	20335875
Z	5680	CIRCUIT INTEGRE PROGRAMME	Z5680	20335876
Z	5930	CIRCUIT INTEGRE PROGRAMME	Z5930	20335879
Z	5940	CIRCUIT INTEGRE PROGRAMME	Z5940	20335880
Z	5990	CIRCUIT INTEGRE PROGRAMME	Z5990	20335881
Z	6000	CIRCUIT INTEGRE PROGRAMME	Z6000	20335882
Z	6420	CIRCUIT INTEGRE PROGRAMME	Z6420	20335883
Z	6820	CIRCUIT INTEGRE PROGRAMME	Z6820	20335884
Z	4140	CIRCUIT INTEGRE PROGRAMME	Z 4140	47016058
Z	6020 6040 6050	CIRCUIT INTEGRE	SN75116N D16P	91518279
Z	5800	CIRCUIT INTEGRE CMS	74HC32 SO14P -40+85	99142000
Z	5690	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	5910	CIRCUIT INTEGRE CMS	74HC4040 SO16P -40+85	99142003
Z	190 1710 1720 1780	CIRCUIT INTEGRE CMS	74F74 SO14P 0+70	99142299
Z	170	CIRCUIT INTEGRE CMS	74F08 SO14P 0+70	99142485
Z	6100 6150 6160 6170 6180	CIRCUIT INTEGRE CMS	74F00 SO14P 0+70	99142486
Z	5790	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357
Z	6920 6930 6940	CIRCUIT INTEGRE CMS	74F257 SO16P 0+70	99143534
Z	6340 6350 6360 6370 6740 6750 6760 6770	CIRCUIT INTEGRE CMS	74F283 SO16P 0+70	99143543
Z	110	CIRCUIT INTEGRE CMS	74F10 SO14P 0+70	99143559
Z	1990 4830 5500	CIRCUIT INTEGRE CMS	74F86 SO14P 0+70	99143565
Z	210 550 560 1930 1940 1950 2160 2170 2180 4900 4910 4920 4930 4950 4960 5870 5880 5890 5900 6090 6120	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	5950 5960 5970 5980	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	120	CIRCUIT INTEGRE CMS	74HC05 SO14P -40+85	99165400
Z	400	CIRCUIT INTEGRE	TMC2330 PGA120 0+70	T1001311
Z	6400 6800	CIRCUIT INTEGRE CMS	LMU18JC-35 PLCC84 0+70	T1002012

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
Z	1991	MICROPROCESSEUR CMS	HSP9501J-32 PLCC44 0+70	T1002163
Z	5700	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	2050	CIRCUIT INTEGRE ASIC CMS	TSBC4416ACD QF100P 0+70	T1002425
Z	800 810 820 830 840 850	CIRCUIT INTEGRE ASIC CMS	TSBC4415ACD QF208P (MX-SW)	T1002433
Z	4130		XC4005A-6 PQ160C QF160P 0+70	T1002539
Z	4140	MEMOIRE PROM	XC17128-PD8C D8P 0+70	T1002676
Z	1730 1820 4580 5470	CIRCUIT INTEGRE ASIC CMS	MC9V-22KFK3-5 (DEROGATION)	T1002816
Z	6190	MICROPROCESSEUR CMS	MC68302FE16C QFP132C -40+85	T1005168
Z	340 5930 5940 5990 6000	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	2430 2630	CIRCUIT INTEGRE CMS	L64246MC-36 QF160 0 +70	T1005549
Z	410 440 480 500 530 1050 1070 1090 1330 1340 1520 1530 1540 2070 2080 2090 2100 2110 2120 2520 2850 2870 2910 4890 6300 6310 6320 6330 6380 6390 6700 6710 6720 6730 6780 6790	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	6550 6950	CIRCUIT INTEGRE CMS	74ACT00 SO14P -40+85	T9000055
Z	270 280	CIRCUIT INTEGRE CMS	74ACT138 SO16P -40+85	T9000065
Z	4800 4810 4820 4840 4850 4860	CIRCUIT INTEGRE CMS	74ACT163 SO16P -40+85	T9000067
Z	360 370 380 1100 1120 2280 2290 2880 2890 2900 5020 5030	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	590 2480 2680	CIRCUIT INTEGRE CMS	74ACT821 SO24P -40+85	T9000089
Z	5670 5680	MEMOIRE EPROM	RG 2KX8 25NS 90MA D24HE 0+70	T9000187
Z	450 460 490 510 520 570 580 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000 1010 1020 1030 1510 1550 1790 1850 1860 1870 1880 1890 1900 1910 1920 1960 1970 1980 2000 2010 2020 2030 2040 2060 2190 2200 2270 2300 2820 2830 3000 3010 4010 4020 4070 4090 4120 4150 4160 4170 4180 4210 4240 4250 4260 4620 4630 4970 4980 5040 5050 5060 5070 5080 5090 5210 5220 5230 5240 5280 5290 5600 5620 5630 5650 6130 6140	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	2500 2510 2570 2700 2710 2770 6480 6490 6500 6880 6890 6900	CIRCUIT INTEGRE CMS	74F85 SOL16P 0+70	T9000348
Z	540 5770	CIRCUIT INTEGRE CMS	74HCT123 SO16P -40+85	T9000389
Z	5720 5920	CIRCUIT INTEGRE CMS	74HCT125 SO14P -40+85	T9000414
Z	2540 2550 2560 6430 6450 6470 6830 6850 6870	CIRCUIT INTEGRE CMS	74F399 SO16P 0+70	T9000545
Z	40	CIRCUIT INTEGRE CMS	100E116 PLCC28 0+85	T9000679
Z	2530 2920	RESEAU LOGIQUE PROGRAMMABLE	16V8A 15NS D20P	T9000681
Z	1600 1660 4500	CIRCUIT INTEGRE	SR1601A PGA37	T9000752
Z	5400	CIRCUIT INTEGRE	DSR1602A PGA37	T9000753
Z	5200 5440 5450 5460	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	5780	MICROPROCESSEUR CMS	82C54 PLCC28 0+70	T9000854
Z	340A 5930A 5940A 5990A 6000A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	220A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC52-BP-OP-S	T9001123
Z	1560A 2530A 2920A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	310A 430A 470A 5670A 5680A 6420A 6820A	SUPPORT DE CIRCUIT INTEGRE	SCC1D24-Y3-A-B	T9001173
Z	4320A 4330A	SUPPORT DE CIRCUIT INTEGRE	SCC1D28-Y3-A-B	T9001174
Z	100 5250 5260 5270 5300	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	6020A 6040A 6050A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
Z	400A	SUPPORT DE CIRCUIT INTEGRE	SPGA121-13-F-0,6N-0,7AU-Y3	T9001186
Z	1600A 1660A 4500A 5400A	SUPPORT DE CIRCUIT INTEGRE	SPGA37-10-F-1N-0,2AU-Y3	T9001187
Z	250A 260A	SUPPORT DE CIRCUIT INTEGRE	SCC1D28-Y3-C-B	T9001190
Z	310 6420 6820	RESEAU LOGIQUE PROGRAMMABLE	22V10B 15NS 90MA D24HE	T9001237
Z	1040 1060 1080 2840 2860 4060 4080 5000 5010 5610 5640	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	350 390	MICROPROCESSEUR CMS	7381L 40NS PLCC68 0+70	T9001270
Z	200	CIRCUIT INTEGRE CMS	74HC148 SO16P -40+85	T9001271
Z	1180 1190 1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1760 1810 4610 5660 6080	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	4140A	SUPPORT DE CIRCUIT INTEGRE	SCC1D8-Y3-A-B	T9001307
Z	5810A 5820A	SUPPORT DE CIRCUIT INTEGRE	SCC1D32-Y3-C-B	T9001308
Z	5830 5840 5850 5860	MEMOIRE RAM STATIQUE CMS	128KX8 70NS 70/3/0,05MA DF32P	T9001309
Z	230 240	MEMOIRE RAM STATIQUE CMS	32KX8 70NS 60/2/0,01MA DF28P	T9001330
Z	1110 1130 1140 1150 1160 1400 1410 1420 1430 1440 1450 1460 1470	CIRCUIT INTEGRE CMS	74F827 SO24P 0+70	T9001350
Z	130 140 150 160 2440 2450 2460 2640 2650 2660	CIRCUIT INTEGRE CMS	74F164A SO14P 0+70	T9001351
Z	420	CIRCUIT INTEGRE CMS	74F153 SO16P 0+70	T9001352
Z	430 470	MEMOIRE PROM	8KX8 20NS 120/40MA D24PE 0+70	T9001363
Z	4320 4330	MEMOIRE EPROM	8KX8 15NS 120MA D28C UV 0+70	T9001367
Z	4870A 4880A	SUPPORT DE CIRCUIT INTEGRE	SPLCC68-OP-Y2	T9001435
Z	4870 4880	RESEAU LOGIQUE PROGRAM. CMS	EPM5128LC-1 25NS PLCC68 0+70	T9001446
Z	2740 2750 2760 3080 3090 3100 3110 3120 3130 4270 4280 4290	CIRCUIT INTEGRE CMS	74ACT399 SO16P -40+85	T9001475
Z	2210 2220 2230 2240 2250 2260 2400 2410 2420 2600 2610 2620 2790 2800 2810 3020 3030 3040 3050 3060 3070 6520 6530 6540	CIRCUIT INTEGRE CMS	74ACT257 SO16P -40+85	T9001476
Z	180	MICROPROCESSEUR CMS	68HC000 16MHZ PLCC68 0+70	T9001495
Z	1560	RESEAU LOGIQUE PROGRAMMABLE	16V8 7NS 83MHZ 115MA D20P 0+70	T9001538
Z	220	MEMOIRE RAM STATIQUE CMS	DP 2KX8 55NS 135/40MA PLCC52	T9001725

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		RAIDISSEUR CI 6U AR	39965370
	10		RAIDISSEUR CI 6U AV.D.T.12	39965400
	16		ETIQUETTE VERTE	47018098
	15	COSSE	25002	91523376
	21	RUBAN	PPI1710 LARG.70 ADHESIF	91536712
	11	RONDELLE	520301-80	99051638
	12	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20	EXTRACTEUR	107-50-3-P	T1002349
CAPACITOR				
C	1 2 4 5 7 8 10 11 13 14 16 17	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	3224	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	101 401 701	CONDENSATEUR CHIPS	CC0805B-1CG 47 PF 5% 100V	99187401
C	30 40 51 102 104 106 150 160 170 171 180 181 182 183 184 185 186 187 220 230 240 250 260 270 280 290 307 402 404 406 450 460 470 471 480 481 482 483 484 485 486 487 520 530 540 550 560 570 580 590 702 704 706 750 760 770 771 780 781 782 783 784 785 786 787 820 830 840 850 860 870 880 890 903 1000 1010 1020 1030 1031 1032 1033 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1200 1210 1220 1230 1231 1232 1233 1240 1250 1260 1270 1280 1290 1300 1310 1320 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1441 1442 1443 1450 1460 1470 1480 1490 1530 1550 1560 1570 1580 1590 1600 1610 1630 1640 1650 1660 1670 1680 1690 1691 1692 1693 1700 1710 1720 1730 1740 1750 1760 1770 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1800 1801 1802 1803 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2231 2232 2233 2240 2260 2270 2280 2285 2290 2295 2300 2301 2302 2303 2310 2320 2330 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2761 2762 2763 2770 2790 2800 2810 2820 2830 2840 2850 2910 2920 2930 2940 2950 2960 2970 3000 3001 3002 3003 3020 3030 3031 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3211 3212 3213 3220 3221 3222 3223 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3400 3410 3420 3430 3440 3450 3460 3461 3462 3463 3464 3465 3466 3467 3468 3469 3470 3471 3480 3490 3500 3510 3520 3530 3540 3550	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	302 306 902	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	100 103 105 400 403 405 700 703 705	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	3 6 9 12 15 18 52	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	300 301 304 305 900 901	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
DIODE				
CR	300 301 900	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL	40 41 42	DIODE ELECTROLUMINESCENTE CMS	595-2101 (ROUGE)	T1001982
CRL	1 2	DIODE ELECTROLUMINESCENTE CMS	595-2301 (VERT)	T1002427
DELAY LINE				
DL	3000 3001 3030	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
E	100 400 700	CAVALIER	313 1366 0 00 40 6	91565557
E	100A 400A 700A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 4 5 6	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
INDUCTOR				
L	1 2 3 4 5 6	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	50 100 170 400 470 700 770 3000	INDUCTANCE	TR021 2,2 MICROHENRYS +-10%	99100014
CONNECTOR (MOBILE)				
P	20 50	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 180 480 780 3000 3001	PLOT	E06626-L2M	91382049
TRANSISTOR				
Q	140 440 740	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
RESISTOR				
R	108 109 110 111 112 113 114 115 116 117 118 119 408 409 410 411 412 413 414 415 416 417 418 419 708 709 710 711 712 713 714 715 716 717 718 719	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	300 302 900	RESISTANCE CHIPSE	RR0805 1 MOHM 5% 1/10W K250	99180471
R	3223	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	301 303 901	RESISTANCE CHIPSE	RR0805 100 OHMS 5% 1/10W K250	99180479
R	105 405 705	RESISTANCE CHIPSE	RR0805 10 KOHMS 5% 1/10W K250	99180481
R	1 2 40 41 42 120 121 122 123 124 125 126 127 128 129 130 184 185 186 187 191 192 196 197 198 199 200 202 205 206 220 420 421 422 423 424 425 426 427 428 429 430 484 485 486 487 491 492 496 497 498 499 500 502 505 506 520 720 721 722 723 724 725 726 727 728 729 730 784 785 786 787 791 792 796 797 798 799 800 802 805 806 820 1030 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2120 2130 2131 2132 2133 2140 2141 2142 2143 2150 2151 2152 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2650 2660 2661 2662 2663 2670 2671 2672 2673 2680 2681 2682 2970 2972 2975 2977 3001 3003 3141 3142 3230 3240 3250 3260 3420 3460 3490 3500 3540	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	2240	RESISTANCE CHIPSE	RR0805 22 OHMS 5% 1/10W K250	99180486
R	53 54 55 56 57 58	RESISTANCE CHIPSE	RR0805 270 OHMS 5% 1/10W K250	99180496
R	181 182 183 188 189 190 194 195 201 204 221 223 240 241 242 280 281 282 310 311 312 313 314 315 481 482 483 488 489 490 494 495 501 504 521 523 540 541 542 580 581 582 781 782 783 788 789 790 794 795 801 804 821 823 840 841 842 880 881 882 1230 1231 1440 1441 1630 1631 1640 1650 1660 1670	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
RESISTOR				
R	1680 2000 2010 2020 2070 2530 2540 2550 2600 2910 2911 2912 2920 2921 2922 2971 2973 2974 2976 3140 3143 3150 3151 3160 3170 3180 3190 3200 3210 3211 3212 3220 3221 3222 3280 3290 3291 3300 3310 3320 3330	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	1261 1471 2230 2231 2760 2761 3005 3009 3030 3032 3034 3462	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	140 440 740	POTENTIOMETRE CMS	ST-5W 10 KOHMS 10% (11 TOURS)	T1002157
R	50 51 52 3000 3002	RESISTANCE CHIPSE	RR0805 110 OHMS 5% 1/10W K250	T9000046
R	100 101 400 401 700 701	RESISTANCE CHIPSE	RC3715 51 OHMS 1% 1/4W K50	T9000200
R	103 104 403 404 703 704	RESISTANCE CHIPSE	RC3715 75 OHMS 1% 1/4W K50	T9000204
R	102 402 702	RESISTANCE CHIPSE	RC3715 2,2 KOHMS 1% 1/4W K50	T9000235
INTEGRATED CIRCUIT				
Z	1280	CIRCUIT INTEGRE PROGRAMME	Z 1280	47016186
Z	1490	CIRCUIT INTEGRE PROGRAMME	Z 1490	47016187
Z	1690	CIRCUIT INTEGRE PROGRAMME	Z 1690	47016188
Z	1784	CIRCUIT INTEGRE PROGRAMME	Z 1784	47016189
Z	2120	CIRCUIT INTEGRE PROGRAMME	Z 2120	47016190
Z	2230	CIRCUIT INTEGRE PROGRAMME	Z 2230	47016191
Z	2650	CIRCUIT INTEGRE PROGRAMME	Z 2650	47016193
Z	2760	CIRCUIT INTEGRE PROGRAMME	Z 2760	47016194
Z	2910	CIRCUIT INTEGRE PROGRAMME	Z 2910	47016195
Z	2920	CIRCUIT INTEGRE PROGRAMME	Z 2920	47016196
Z	3210	CIRCUIT INTEGRE PROGRAMME	Z 3210	47016197
Z	3220	CIRCUIT INTEGRE PROGRAMME	Z 3220	47016198
Z	3500	CIRCUIT INTEGRE PROGRAMME	Z 3500	47016199
Z	300 900	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	2000 2010 2020 2530 2540 2550	CIRCUIT INTEGRE CMS	74F175 SO16P 0+70	99143527
Z	3150 3160 3170 3180 3190 3200 3280 3290 3300 3310 3320 3330	CIRCUIT INTEGRE CMS	74F163 SO16P 0+70	99143541
Z	220 520 820 3140	CIRCUIT INTEGRE CMS	74F86 SO14P 0+70	99143565
Z	40 1100 1110 1120 2930 2940 3270	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	2950 2960	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	1810 1830 2340 2360	CIRCUIT INTEGRE ASIC CMS	L5A6258 QF160P	T1002136
Z	1230 1440	CIRCUIT INTEGRE	*O*L64245GC-30 PGA68 0+70	T1002173
Z	1030 3460	CIRCUIT INTEGRE ASIC CMS	TSBC4416ACD QF100P 0+70	T1002425
Z	180 480 780	CIRCUIT INTEGRE ASIC CMS	MC9V-22KFK3-5 (DEROGATION)	T1002816
Z	2910 2920 3210 3220	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	1040 1050 1060 1070 1080 1090 1270 1480 1783 1900 1910 2030 2040 2240 2285 2290 2430 2440 2470 2560 2570 2690 2700 2770 2850 3230 3240	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	1630 1640 1650 1660 1670 1680	CIRCUIT INTEGRE CMS	74ACT163 SO16P -40+85	T9000067
Z	1130 1140 1150 1700 1710 1720 2260 2790 2970 3400 3410 3420	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	2210 2220 2740 2750	CIRCUIT INTEGRE CMS	74ACT245 SO20P -40+85	T9000075
Z	1320 1530 2100 2630	CIRCUIT INTEGRE CMS	74ACT821 SO24P -40+85	T9000089
Z	30 230 250 270 290 530 550 570 590 830 850 870 890 1000 1010 1020 1290 1300 1781 1782 2050 2060 2580 2590 3020 3030 3040 3050 3060 3070 3080 3090 3100 3130 3250 3260 3490	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	1340 1350 1360 1550 1560 1570 1788 1789 1791	CIRCUIT INTEGRE CMS	74F85 SOL16P 0+70	T9000348
Z	1310 1750 1760 1770 1780 1790 2180 2190 2200 2710 2720 2730 2800 2810 2820	CIRCUIT INTEGRE CMS	74F399 SO16P 0+70	T9000545
Z	50	CIRCUIT INTEGRE CMS	100E116 PLCC28 0+85	T9000679
Z	1280 1490 1784 2120 2650 3500	RESEAU LOGIQUE PROGRAMMABLE	16V8A 15NS D20P	T9000681
Z	100 400 700	CIRCUIT INTEGRE	DSR1602A PGA37	T9000753
Z	150 160 170 450 460 470 750 760 770 3000	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	2910A 2920A 3210A 3220A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	1690A 2230A 2760A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC68-BP-OP-S	T9001124
Z	1280A 1490A 1784A 2120A 2650A 3500A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	3110 3120	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	100A 400A 700A	SUPPORT DE CIRCUIT INTEGRE	SPGA37-10-F-1N-0,2AU-Y3	T9001187
Z	240 280 540 580 840 880 1730 1740 1880 1890 1950 1960 2410 2420 2480 2490	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	1230A 1440A	SUPPORT DE CIRCUIT INTEGRE	SPGA69-11-F-0,6N-0,7AU-Y3	T9001269
Z	260 560 860 1400 1610 2270 2280 2830 2840 3430 3440 3450 3480 3510 3520 3530 3540 3550	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	1690 2230 2760	RESEAU LOGIQUE PROGRAM. CMS	EPM5128LC-1 25NS PLCC68 0+70	T9001446
Z	1920 1930 2450 2460	MEMOIRE FIFO	256KX8 30NS 50/5MA Z28P 0+70	T9001456
Z	1370 1380 1390 1580 1590 1600 1785 1786 1787 1850 1860 1870 1970 1980 1990 2130 2140 2150 2160 2170 2295 2310 2320 2330 2380 2390 2400 2500 2510 2520 2660 2670 2680	CIRCUIT INTEGRE CMS	74ACT399 SO16P -40+85	T9001475
Z	1200 1210 1220 1410 1420 1430	CIRCUIT INTEGRE CMS	74ACT257 SO16P -40+85	T9001476
Z	1240 1250 1260 1450 1460 1470	CIRCUIT INTEGRE CMS	74ACT164 SO14P -40+85	T9001477
Z	2070 2080 2090 2600 2610 2620	CIRCUIT INTEGRE CMS	74ACT283 SO16P -40+85	T9001497

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		RAIDISSEUR CI 6U AR	39965370
	10		RAIDISSEUR CI 6U AV.D.T.12	39965400
	21		ETIQUETTE ROUGE	47018099
	11	RONDELLE	520301-80	99051638
	12	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20 20	EXTRACTEUR	107-50-3-P	T1002349
CAPACITOR				
C	1 2 7 8 10 11 13 14 16 17 3052 3072	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	3050 3070	CONDENSATEUR CHIPS	CC0805B-1CG 68 PF 5% 100V	99187409
C	19 20 30 40 50 60 70 100 110 120 130 140 150 160 170 180 181 182 183 190 200 210 220 230 240 260 270 280 290 300 330 340 350 360 370 400 410 420 430 440 450 460 470 480 490 500 510 511 512 513 520 530 540 550 560 570 580 590 600 610 620 630 631 632 633 640 641 642 643 650 660 670 680 690 700 710 720 730 740 741 742 743 750 760 770 780 790 800 810 820 830 840 850 900 901 902 903 910 920 940 950 1400 1410 1411 1412 1413 1420 1430 1440 1450 1460 1470 1500 1501 1502 1503 1560 1570 1571 1572 1573 1580 1800 1810 1811 1812 1813 1830 1840 1860 1870 1880 1890 1900 1901 1902 1903 1910 1920 2210 2220 2230 2240 2250 2260 2270 2300 2310 2311 2312 2313 2320 2330 2340 2350 2351 2352 2353 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2700 2701 2702 2710 2720 2730 2740 2750 2760 2770 2780 2791 2792 2793 2800 2810 2820 2830 2840 2850 2860 2870 2871 2872 2873 2880 2881 2882 2883 2890 2900 2931 2940 2950 2961 2970 2971 2972 2973 3020 3030 3040 3051 3071 3090 3091 3093 3094 3095 3096 3100 3110 3120 3140 3150 3160 3170 3180 3190 3210 3220 3230 3240 3270	CONDENSATEUR CHIPS	CC0805-2C1 10 NF 10% 50/63V	T9000152
C	2960	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	3 9 12 15 18	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	2930 3000 3010	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
LED				
CRL	2900 2930	DIODE ELECTROLUMINESCENTE CMS	595-2101 (ROUGE)	T1001982
CRL	1 2 2960	DIODE ELECTROLUMINESCENTE CMS	595-2301 (VERT)	T1002427
DELAY LINE				
DL	2690 2700	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
DL	2690A 2700A	SUPPORT DE CIRCUIT INTEGRE	SCC1D14-Y3-A-B	T9001183
E	1 2930 2970 3050 3051 3070 3071	CAVALIER	313 1366 0 00 40 6	91565557
E	1A 2930A 2970A 3050A 3051A 3070A 3071A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 3 4 5 6	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
CONNECTOR (FIXED)				
J	2970A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
J	3 5 6 7	CONNECTEUR	ESW-1-25-13-G-D (EFD-2X25-Y3)	T1002823
INDUCTOR				
L	1 3 4 5 6	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	2700	INDUCTANCE	TR021 2,2 MICROHENRYS +-10%	99100014
CONNECTOR (MOBILE)				
P	20 50	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 2600	PLOT	E06626-L2M	91382049
RESISTOR				
R	3052 3054 3063 3072 3074 3083	RESISTANCE CHIPSE	RR0805 150 OHMS 5% 1/10W K250	99180451
R	2961	RESISTANCE CHIPSE	RR0805 220 KOHMS 5% 1/10W K250	99180461
R	2974 2975 2976 2977 2978 2979 2980 3051 3053 3071 3073 3096 3097	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	2981 2982 2983 2984 2985 2986 2987 2988 2989 2990 2991 2992 2993 2994 2995 2996	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	2 3 200 203 204 205 206 207 210 213 214 215 216 217 220 221 223 224 225 300 301 303 304 310 311 317 319 320 330 331 333 334 340 350 360 370 441 442 444 445 448 451 452 454 455 458 561 562 564 565 568 571 572 574 575 578 642 643 647 900 2801 2802 2901 2932 2940 2960 3100 3101	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	1 100 110 120 180 201 202 211 212 302 305 308 315 332 341 351 361 371 440 446 447 450 456 457 510 560 566 567 570 576 577 630 640 641 644 645 646 648 660 670 741 770 780 1410 1500 1501 1570 1810 1811 1813 1814 1900 2210 2211 2220 2230 2250 2260 2270 2310 2350 2800 2810 2811 2820 2830 2840 2850 2860 2870 2871 2872 2880 2881 2882 2930 2931 2933 2934 2962 2970 2971 2972 2973 3034 3050 3070 3090 3091 3092 3093 3094 3095 3110 3111 3112 3120 3121 3122	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	661 2704 2790 2792 2797 2803 2833 3001 3002 3011 3012 3021 3022 3031 3055 3057 3059 3061 3075 3077 3079 3081	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	2700 2701 2702	RESISTANCE CHIPSE	RR0805 110 OHMS 5% 1/10W K250	T9000046
SWITCH				
S	2930	COMMUTATEUR A POUSSOIR	BB-15AH	91620038
INTEGRATED CIRCUIT				
Z	170	CIRCUIT INTEGRE PROGRAMME	Z 170	47016338
Z	220	CIRCUIT INTEGRE PROGRAMME	Z 220	47016339
Z	340	CIRCUIT INTEGRE PROGRAMME	Z 340	47016340
Z	350	CIRCUIT INTEGRE PROGRAMME	Z 350	47016341
Z	500	CIRCUIT INTEGRE PROGRAMME	Z 500	47016342
Z	620	CIRCUIT INTEGRE PROGRAMME	Z 620	47016343
Z	650	CIRCUIT INTEGRE PROGRAMME	Z 650	47016344
Z	660	CIRCUIT INTEGRE PROGRAMME	Z 660	47016345
Z	670	CIRCUIT INTEGRE PROGRAMME	Z 670	47016346
Z	850	CIRCUIT INTEGRE PROGRAMME	Z 850	47016347
Z	1400	CIRCUIT INTEGRE PROGRAMME	Z 1400	47016348
Z	1560	CIRCUIT INTEGRE PROGRAMME	Z 1560	47016349
Z	1890	CIRCUIT INTEGRE PROGRAMME	Z 1890	47016350
Z	2240	CIRCUIT INTEGRE PROGRAMME	Z 2240	47016351
Z	2300	CIRCUIT INTEGRE PROGRAMME	Z 2300	47016352
Z	2340	CIRCUIT INTEGRE PROGRAMME	Z 2340	47016353
Z	2870	CIRCUIT INTEGRE PROGRAMME	Z 2870	47016354
Z	2880	CIRCUIT INTEGRE PROGRAMME	Z 2880	47016355
Z	3110	CIRCUIT INTEGRE PROGRAMME	Z 3110	47016356
Z	3120	CIRCUIT INTEGRE PROGRAMME	Z 3120	47016357
Z	3050 3070	CIRCUIT INTEGRE	SN75116N D16P	91518279
Z	3040	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
Z	2210 2220 2230 2250 2260 2270 2810 2820 2830 2840 2850 2860	CIRCUIT INTEGRE CMS	74F163 SO16P 0+70	99143541
Z	2800	CIRCUIT INTEGRE CMS	74F86 SO14P 0+70	99143565
Z	3100 3140 3150 3180 3190 3230 3240	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	3160 3170	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	640	CIRCUIT INTEGRE	TMC2330 PGA120 0+70	T1001311
Z	440 450 560 570	CIRCUIT INTEGRE CMS	IDT7216L-20-J PLCC68 0+70	T1001907
Z	300 330	MICROPROCESSEUR CMS	HSP9501J-32 PLCC44 0+70	T1002163
Z	1500 1810	CIRCUIT INTEGRE	*O*L64245GC-30 PGA68 0+70	T1002173
Z	2900	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	900	CIRCUIT INTEGRE ASIC CMS	TSBC4416ACD QF100P 0+70	T1002425
Z	170 500 620 850 1400 1560 1890 2300 2340	MEMOIRE PROM	XC1765-PD8C D8P 0+70	T1002597
Z	180 510 630 740 1410 1570 1900 2310 2350		XC4003A-5-PQ100C QF100P 0+70	T1002801
Z	3093	MICROPROCESSEUR CMS	MC68302FE16C QFP132C -40+85	T1005168
Z	650 2870 2880 3110 3120	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	230 240 260 270 280 290 460 470 480 490 580 590 600 610 720 730 750 760 1420 1430 1800 1830 1840 1910 1920 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2890 3210 3270	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	3220	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	140 190 710 790 830 840 910 920 940 950 1440 1450 1460 1470 1580 1880 2320 2330 2360 2370	CIRCUIT INTEGRE CMS	74ACT821 SO24P -40+85	T9000089
Z	150 160 400 410 420 430 520 530 540 550 2710 2720 2730 2740 2750 2760 2780	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	2960	CIRCUIT INTEGRE CMS	74HCT123 SO16P -40+85	T9000389
Z	340 350	MEMOIRE EPROM	RG 2KX8 15NS 120MA D24HE 0+70	T9000562
Z	2930 3090 3091	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	2700	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	650A 2870A 2880A 3110A 3120A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	2950A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC52-BP-OP-S	T9001123
Z	2940A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	220A 340A 350A 360A 370A	SUPPORT DE CIRCUIT INTEGRE	SCC1D24-Y3-A-B	T9001173
Z	660A 670A 770A 780A	SUPPORT DE CIRCUIT INTEGRE	SCC1D28-Y3-A-B	T9001174
Z	2770 2792 2793	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	3050A 3070A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
Z	640A	SUPPORT DE CIRCUIT INTEGRE	SPGA121-13-F-0,6N-0,7AU-Y3	T9001186
Z	220	RESEAU LOGIQUE PROGRAMMABLE	22V10B 15NS 90MA D24HE	T9001237
Z	1860 1870	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	660 670	MEMOIRE EPROM	RG 8KX8 25NS 120MA D28HE 0+70	T9001261
Z	1500A 1810A	SUPPORT DE CIRCUIT INTEGRE	SPGA69-11-F-0,6N-0,7AU-Y3	T9001269
Z	70 100 110 120 130	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	10A 20A 30A 40A 50A 60A 170A 500A 620A 850A 1400A 1560A 1890A 2300A 2340A	SUPPORT DE CIRCUIT INTEGRE	SCC1D8-Y3-A-B	T9001307
Z	3000A 3010A	SUPPORT DE CIRCUIT INTEGRE	SCC1D32-Y3-C-B	T9001308
Z	3020 3030	MEMOIRE RAM STATIQUE CMS	128KX8 70NS 70/3/0,05MA DF32P	T9001309
Z	2240	RESEAU LOGIQUE PROGRAM. CMS	EPM5128JC-2 30NS JLCC68 0+70	T9001346
Z	200A 210A	SUPPORT DE CIRCUIT INTEGRE	SPLCC44-OP-Y2	T9001423
Z	2240A	SUPPORT DE CIRCUIT INTEGRE	SPLCC68-OP-Y2	T9001435
Z	680 690 700 800 810 820	CIRCUIT INTEGRE CMS	74ACT399 SO16P -40+85	T9001475
Z	200 210	CIRCUIT INTEGRE CMS	2242 33NS PLCC44 0+70	T9001571

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		RAIDISSEUR CI 6U AR	39965370
	10		RAIDISSEUR CI 6U AV.D.T.12	39965400
	21		ETIQUETTE BLEUE	47018100
	11	RONDELLE	520301-80	99051638
	12	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20	EXTRACTEUR	107-50-3-P	T1002349
BT	1790	PILE	1000-0B (3V 960MAH)	T1002450
CAPACITOR				
C	1 2 4 5 7 8 10 11 13 14 16 17 903	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	60	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	121	CONDENSATEUR CHIPS	CC0805B-1CG 47 PF 5% 100V	99187401
C	907	CONDENSATEUR CHIPS	CC0805B-1CG 150 PF +-5% 100V	99187410
C	30 40 50 61 102 103 104 123 125 160 170 180 181 190 191 192 193 194 195 196 197 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 385 392 400 410 430 440 460 470 480 490 520 530 540 560 570 600 610 620 630 640 650 660 670 680 681 690 700 710 720 730 740 750 760 770 780 790 800 830 840 900 901 904 960 970 980 981 982 983 984 985 986 987 1010 1020 1040 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200 1210 1220 1230 1240 1250 1270 1271 1272 1273 1280 1281 1282 1283 1290 1291 1292 1293 1300 1301 1302 1303 1310 1400 1410 1420 1430 1440 1450 1460 1500 1520 1540 1550 1560 1570 1580 1590 1591 1600 1610 1620 1630 1650 1660 1670 1680 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800 1820 1830 1831 1832 1833 1840 1850 1860 1870 1890 1900 1910 1920 1930 1940 1941 1950 1960 1970 1971 1972 1980 1990 2000 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2240 2900 2920 2940 2950 3000 3001 3002 3003 3004 3020 3030 3031 3050 3060 3080 3200 3210 3220 3230 3240 3250 3260 3261 3262 3263 3270 3271 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3400 3410 3420 3430	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	391	CONDENSATEUR CHIPS	CC0805B-2C1 1 NF 10% 100V	T9000332
C	120 122 124 906	CONDENSATEUR CHIPS	CAC66 10 MF 20% 50V -40+105	T9000691
C	3 6 9 12 15 18 51 902 905 3005	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	390 1791	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
DIODE				
CR	390	DIODE CMS	BAV99 SOT23	99116852
LED				
CRL	40 60 1790	DIODE ELECTROLUMINESCENTE CMS	LSA670-J (ROUGE)	T1002691
CRL	1 2	DIODE ELECTROLUMINESCENTE CMS	LGA670-J (VERT)	T1002692
CRL	1670 1671	DIODE ELECTROLUMINESCENTE CMS	LSS260-DO SOT23 ROUGE	T1002843
DELAY LINE				
DL	800 3000 3001 3002 3030 3270	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
DL	800A 3000A 3001A 3002A 3030A 3270A	SUPPORT DE CIRCUIT INTEGRE	SCC1D14-Y3-A-B	T9001183
E	1 121 300 360 901 1160 1730 1780	CAVALIER	313 1366 0 00 40 6	91565557
E	1A 121A 300A 360A 901A 1160A 1730A 1780A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 2 3 4 5 6	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
CONNECTOR (FIXED)				
J	1270A 1271A 1590A 2940A 3290A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
INDUCTOR				
L	1 2 3 4 5 6	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	50 100 180 900 901 2991 3000	INDUCTANCE	TRO21 2,2 MICROHENRYS +-10%	99100014
L	902	INDUCTANCE	TRO21 0,22 MICROHENRY 2%	T9000490
CONNECTOR (MOBILE)				
P	20 50	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 7 8 9 10 11 12 190 191 192 980 1310 1311 1610 1611 1730 1790 3000 3001 3030 3031 3050 3310 3311	PLOT	E06626-L2M	91382049
TRANSISTOR				
Q	150 930	TRANSISTOR CMS	SO3904 NPN SOT23	99110321
Q	1810	TRANSISTOR CMS	BCX17 PNP SOT23 [T1]	99123957
RESISTOR				
R	106 107 108 109 1700 1701 1760 1770 3083 3270	RESISTANCE CHIPSE	RR0805 470 OHMS 5% 1/10W K250	99180458
R	126 127 128 129 130 131 132 134 135 136 137 138 902 905 906 907 908 909 910 911 912 913 914 919 1161 1162 1163 1164 1165 1166 1167 1168	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	391	RESISTANCE CHIPSE	RR0805 1 MOHM 5% 1/10W K250	99180471
R	60	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	916	RESISTANCE CHIPSE	RR0805 1,2 KOHM 5% 1/10W K250	99180478
R	390	RESISTANCE CHIPSE	RR0805 100 OHMS 5% 1/10W K250	99180479
R	123 920	RESISTANCE CHIPSE	RR0805 10 KOHMS 5% 1/10W K250	99180481
R	1 2 40 61 139 140 141 142 143 144 145 146 147 148 149 194 195 196 197 201 202 206 207 208 209 210 212 214 220 240 241 242 270 271 272 300 310 520 521 522 523 524 525 527 528 529 610 612 620 622 630 632 640 642 650 652 660 662 681 682 683 710 720 780 781 791 792 793 794 795 796 800 980 983 984 985 986 989 990 993 994 995 996 997 1000 1001 1002 1140 1150 1160 1171 1173 1175 1177 1430 1440 1500 1502 1503 1504 1510 1511 1513 1514 1515 1520 1522 1523 1524 1530 1531 1533 1534 1535 1540 1550 1560 1570 1592 1593 1595 1596 1597 1598 1661 1662 1663 1664 1675 1676 1677 1791 1800 1801 1804 1805 1971 2030 2032 2033 2034 2036 2070 2071 2072 2900 2902 2903 2904 2910 2911 2914 2915 2920 2922 2923 2924 2930 2931 2934 2935 3001 3310	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	52 53 54 55 104 105	RESISTANCE CHIPSE	RR0805 270 OHMS 5% 1/10W K250	99180496
R	191 192 193 198 199 200 204 205 211 213 215 221 223 224 225 226 320 321 330 340 360 361 362 363 370 371 372 373 526 601 611 613 614 615 621 623 624 625 631 633 634 635 641 643 644 645 651 653 654 655 661 663 664 665 680 981 982 987 988 991 992 998 1100 1101 1102 1170 1172 1174 1176 1200 1201 1210 1220 1230 1240 1250 1270 1271 1272 1280 1281 1290 1291 1292 1300 1301 1302 1400 1410 1431 1441 1507 1527 1591 1594 1650 1660 1670 1671 1672 1673 1674 1710 1730 1792 1940 1944 1970 1972 2031	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
RESISTOR				
R	2035 2906 2907 2926 2927 3200 3201 3210 3220 3230 3240 3250 3261	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	917 918	RESISTANCE CHIPSE	RR0805 180 OHMS 5% 1/10W K250	99180500
R	900 1516 1536 1631 1947 1948 1949 2916 2936 3004 3008 3013 3020 3022 3023 3024 3036 3041 3050 3082 3272	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	150 930	POTENTIOMETRE CMS	ST-5W 10 KOHMS 10% (11 TOURS)	T1002157
R	915	RESISTANCE CHIPSE	RR0805 3,6 KOHMS 5% 1/10W K250	T9000041
R	50 51 3000 3002	RESISTANCE CHIPSE	RR0805 110 OHMS 5% 1/10W K250	T9000046
R	100 101 102 103	RESISTANCE CHIPSE	RC3715 51 OHMS 1% 1/4W K50	T9000200
R	121 122	RESISTANCE CHIPSE	RC3715 75 OHMS 1% 1/4W K50	T9000204
R	120	RESISTANCE CHIPSE	RC3715 2,2 KOHMS 1% 1/4W K50	T9000235
SWITCH				
S	60 1790	COMMUTATEUR A POUSSOIR	BB-15AH	91620038
INTEGRATED CIRCUIT				
Z	350	CIRCUIT INTEGRE PROGRAMME	Z 350	47016263
Z	670	CIRCUIT INTEGRE PROGRAMME	Z 670	47016264
Z	790	CIRCUIT INTEGRE PROGRAMME	Z 790	47016265
Z	1100	CIRCUIT INTEGRE PROGRAMME	Z 1100	47016266
Z	1270	CIRCUIT INTEGRE PROGRAMME	Z 1270	47016267
Z	1280	CIRCUIT INTEGRE PROGRAMME	Z 1280	47016268
Z	1290	CIRCUIT INTEGRE PROGRAMME	Z 1290	47016269
Z	1300N	CIRCUIT INTEGRE PROGRAMME	Z1300N	47016270
Z	1400	CIRCUIT INTEGRE PROGRAMME	Z 1400	47016271
Z	1410	CIRCUIT INTEGRE PROGRAMME	Z 1410	47016272
Z	1430	CIRCUIT INTEGRE PROGRAMME	Z 1430	47016273
Z	1440	CIRCUIT INTEGRE PROGRAMME	Z 1440	47016274
Z	1720	CIRCUIT INTEGRE PROGRAMME	Z 1720	47016276
Z	1830	CIRCUIT INTEGRE PROGRAMME	Z 1830	47016279
Z	1910	CIRCUIT INTEGRE PROGRAMME	Z 1910	47016280
Z	2070	CIRCUIT INTEGRE PROGRAMME	Z 2070	47016281
Z	2120	CIRCUIT INTEGRE PROGRAMME	Z 2120	47016282
Z	2130	CIRCUIT INTEGRE PROGRAMME	Z 2130	47016283
Z	3260	CIRCUIT INTEGRE PROGRAMME	Z 3260	47016285
Z	3310	CIRCUIT INTEGRE PROGRAMME	Z 3310	47016286
Z	385	CIRCUIT INTEGRE CMS	HEF4053BT SO16P -40+85	91546106
Z	390	CIRCUIT INTEGRE CMS	74HC74 SO14P -40+85	99142001
Z	360 370 1700	CIRCUIT INTEGRE CMS	74F74 SO14P 0+70	99142299
Z	1660	CIRCUIT INTEGRE CMS	74F08 SO14P 0+70	99142485
Z	1780 1820	CIRCUIT INTEGRE CMS	74F138 SO16P 0+70	99143536
Z	3200 3210 3220 3230 3240 3250	CIRCUIT INTEGRE CMS	74F163 SO16P 0+70	99143541
Z	1690	CIRCUIT INTEGRE CMS	74F10 SO14P 0+70	99143559
Z	1800	CIRCUIT INTEGRE CMS	74F32 SO14P 0+70	99143563
Z	220	CIRCUIT INTEGRE CMS	74F86 SO14P 0+70	99143565
Z	40 1110 1120 1130 1310 1730	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	1180 1190	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	1670	CIRCUIT INTEGRE CMS	74HC05 SO14P -40+85	99165400
Z	1970	CIRCUIT INTEGRE	TMC2330 PGA120 0+70	T1001311
Z	1591	CIRCUIT INTEGRE CMS	IDT7216L-20-J PLCC68 0+70	T1001907
Z	2030	CIRCUIT INTEGRE CMS	LMU18JC-35 PLCC84 0+70	T1002012
Z	1300N	RESEAU LOGIQUE PROGRAM. CMS	EPS464JC-20 JLCC44 0+70	T1002138
Z	1500 1520 2900 2920	MICROPROCESSEUR CMS	HSP9501J-32 PLCC44 0+70	T1002163
Z	1790	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	670 1910	MEMOIRE PROM	XC1765-PD8C D8P 0+70	T1002597
Z	680 1940		XC4003A-5-PQ100C QF100P 0+70	T1002801
Z	190 980	CIRCUIT INTEGRE ASIC CMS	MC9V-22KFK3-5 (DEROGATION)	T1002816
Z	1100 1830	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	230 250 260 280 960 970 1140 1150 1160 1450 1460 1540 1550 1560 1570 1980 1990 2000 2010 2020 2040 2050 2060 2140 2150 2160 2170 2180 2190 2200	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	320 330 340 1200 1210 1220 1230 1240 1250	CIRCUIT INTEGRE CMS	74ACT163 SO16P -40+85	T9000067
Z	750 760 770 1170 1850 1920 1930 1950 1960 2220 2230	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	380 460 470 520 560 570 600 690 710 720 800 830 1010 1020 1420 1840 3380	CIRCUIT INTEGRE CMS	74ACT821 SO24P -40+85	T9000089
Z	30 300 1580 1590 2940 2950 3020 3030	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	730 740 780	CIRCUIT INTEGRE CMS	74F85 SOL16P 0+70	T9000348
Z	310	CIRCUIT INTEGRE CMS	74F564 SO20P 0+70	T9000387
Z	60	CIRCUIT INTEGRE CMS	74HCT125 SO14P -40+85	T9000414
Z	1400 1410 1430 1440	MEMOIRE EPROM	RG 2KX8 15NS 120MA D24HE 0+70	T9000562
Z	50	CIRCUIT INTEGRE CMS	100E116 PLCC28 0+85	T9000679
Z	350 790 3310	RESEAU LOGIQUE PROGRAMMABLE	16V8A 15NS D20P	T9000681
Z	900	CIRCUIT INTEGRE	SR1601A PGA37	T9000752
Z	120	CIRCUIT INTEGRE	DSR1602A PGA37	T9000753
Z	160 170 180 3000	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	1100A 1270A 1280A 1290A 1300A 1830A 3260A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	1650A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC52-BP-OP-S	T9001123
Z	350A 790A 3310A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	1400A 1410A 1430A 1440A 1720A 2070A 2120A 2130A	SUPPORT DE CIRCUIT INTEGRE	SCC1D24-Y3-A-B	T9001173
Z	1600 3050 3060 3080 3270 3280	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	1970A	SUPPORT DE CIRCUIT INTEGRE	SPGA121-13-F-0,6N-0,7AU-Y3	T9001186
Z	120A 900A	SUPPORT DE CIRCUIT INTEGRE	SPGA37-10-F-1N-0,2AU-Y3	T9001187
Z	1760A 1770A	SUPPORT DE CIRCUIT INTEGRE	SCC1D28-Y3-C-B	T9001190
Z	1720 2070	RESEAU LOGIQUE PROGRAMMABLE	22V10B 15NS 90MA D24HE	T9001237
Z	240 270 610 620 630 640 650 660	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	100	CIRCUIT INTEGRE CMS	100E457 PLCC28 0+75	T9001268
Z	1860 1870 1890 1900	MICROPROCESSEUR CMS	7381L 40NS PLCC68 0+70	T9001270
Z	1710	CIRCUIT INTEGRE CMS	74HC148 SO16P -40+85	T9001271
Z	290 700 840 1040 2210	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	670A 1910A	SUPPORT DE CIRCUIT INTEGRE	SCC1D8-Y3-A-B	T9001307
Z	1740 1750	MEMOIRE RAM STATIQUE CMS	32KX8 70NS 60/2/0,01MA DF28P	T9001330
Z	1650	MEMOIRE RAM STATIQUE CMS	%%%DP 2KX8 70NS 135/40MA PLCC5	T9001338
Z	1610 1620 1630	CIRCUIT INTEGRE CMS	74F164A SO14P 0+70	T9001351
Z	2110	CIRCUIT INTEGRE CMS	74F153 SO16P 0+70	T9001352
Z	2120 2130	MEMOIRE PROM	8KX8 20NS 120/40MA D24PE 0+70	T9001363
Z	400 410 430 440 480 490 530 540 3320 3330 3340 3350 3360 3370 3400 3410	MEMOIRE FIFO	256KX8 30NS 50/5MA Z28P 0+70	T9001456
Z	2080 2090 2100	CIRCUIT INTEGRE CMS	74ACT399 SO16P -40+85	T9001475
Z	3300 3420 3430	CIRCUIT INTEGRE CMS	74ACT257 SO16P -40+85	T9001476
Z	2240	MICROPROCESSEUR CMS	68HC000 16MHZ PLCC68 0+70	T9001495
Z	1270 1280 1290 3260	RESEAU LOGIQUE PROGRAM. CMS	EPS464LC-20 PLCC44 0+70	T9001517
Z	3290	CIRCUIT INTEGRE CMS	74AC157 SO16P -40+85	T9001536

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		RAIDISSEUR CI 6U AR	39965370
	10		RAIDISSEUR CI 6U AV.D.T.12	39965400
	21		ETIQUETTE ROUGE	47018099
	11	RONDELLE	520301-80	99051638
	12	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20	EXTRACTEUR	107-50-3-P	T1002349
CAPACITOR				
C	1 2 7 8 10 11 3052 3072	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	3050 3070	CONDENSATEUR CHIPS	CC0805B-1CG 68 PF 5% 100V	99187409
C	2700 2701 2702 2720 2730 2791 2900 2931 2940 2950 2961 2970 2971 2972 2973 3020 3030 3040 3051 3071 3090 3091 3093 3094 3095 3096 3100 3110 3120 3140 3150 3160 3170 3220	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	2960	CONDENSATEUR CHIPS	CAC66 4,7 MF 20% 50V -40+105	T9000690
C	3 9 12	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
C	2930 3000 3010	CONDENSATEUR CHIPS	CC0805-2C1-J 0,1MF 10% 25V	T9000957
LED				
CRL	2900 2930	DIODE ELECTROLUMINESCENTE CMS	595-2101 (ROUGE)	T1001982
CRL	1 2 2960	DIODE ELECTROLUMINESCENTE CMS	595-2301 (VERT)	T1002427
DELAY LINE				
DL	2690 2700	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
DL	2690A 2700A	SUPPORT DE CIRCUIT INTEGRE	SCC1D14-Y3-A-B	T9001183
E	1 2930 2970 3050 3051 3070 3071	CAVALIER	313 1366 0 00 40 6	91565557
E	1A 2930A 2970A 3050A 3051A 3070A 3071A	BARRETTE DE RACCORDEMENT	1X20-D-254-6,6/2,6/3,4-G-Y2	T9001458
ETI	1	ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 3 4	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
CONNECTOR (FIXED)				
J	2970A	BARRETTE DE RACCORDEMENT	75160-102-36 (1X36-Y2)	91371441
INDUCTOR				
L	1 3 4	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	2700	INDUCTANCE	TRO21 2,2 MICROHENRYS +-10%	99100014
CONNECTOR (MOBILE)				
P	20 50	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 2600	PLOT	E06626-L2M	91382049
RESISTOR				
R	3052 3054 3063 3072 3074 3083	RESISTANCE CHIPSE	RR0805 150 OHMS 5% 1/10W K250	99180451
R	2961	RESISTANCE CHIPSE	RR0805 220 KOHMS 5% 1/10W K250	99180461
R	2974 2975 2976 2977 2978 2979 2980 3051 3053 3071 3073 3096 3097	RESISTANCE CHIPSE	RR0805 1 KOHM 5% 1/10W K250	99180470
R	2981 2982 2983 2984 2985 2986 2987 2988 2989 2990 2991 2992 2993 2994 2995 2996	RESISTANCE CHIPSE	RR0805 100 KOHMS 5% 1/10W K250	99180472
R	2 3 2901 2932 2940 2960 3100 3101	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	1 2930 2931 2933 2934 2962 2970 2971 2972 2973 3034 3050 3070 3090 3091 3092 3093 3094 3095 3110 3111 3112 3120 3121 3122	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	2704 2790 2792 2833 3001 3002 3011 3012 3021 3022 3031 3045 3046 3047 3048 3055 3057 3059 3061 3075 3077 3079 3081	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
R	2700 2701 2702	RESISTANCE CHIPSE	RR0805 110 OHMS 5% 1/10W K250	T9000046
SWITCH				
S	2930	COMMUTATEUR A POUSSOIR	BB-15AH	91620038
INTEGRATED CIRCUIT				
Z	3110	CIRCUIT INTEGRE PROGRAMME	Z 3110	47016356
Z	3120	CIRCUIT INTEGRE PROGRAMME	Z 3120	47016357
Z	3050 3070	CIRCUIT INTEGRE	SN75116N D16P	91518279
Z	3040	CIRCUIT INTEGRE CMS	74F04 SO14P 0+70	99143357
Z	3100 3140 3150	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	3160 3170	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	2900	MICROPROCESSEUR CMS	MAX695EWE SOL16P -40+85	T1002423
Z	3093	MICROPROCESSEUR CMS	MC68302FE16C QFP132C -40+85	T1005168
Z	3110 3120	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	3220	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	2720 2730	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	2960	CIRCUIT INTEGRE CMS	74HCT123 SO16P -40+85	T9000389
Z	2930 3090 3091	CIRCUIT INTEGRE CMS	74F125 SO14P 0+70	T9000682
Z	2700	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	3110A 3120A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	2950A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC52-BP-OP-S	T9001123
Z	2940A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	3050A 3070A	SUPPORT DE CIRCUIT INTEGRE	SCC1D16-Y3-A-B	T9001182
Z	3000A 3010A	SUPPORT DE CIRCUIT INTEGRE	SCC1D32-Y3-C-B	T9001308
Z	3020 3030	MEMOIRE RAM STATIQUE CMS	128KX8 70NS 70/3/0,05MA DF32P	T9001309
Z	2950	MEMOIRE RAM STATIQUE CMS	%%%DP 2KX8 70NS 135/40MA PLCC5	T9001338

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46150328 SCHEMA

REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	10	ENTRETOISE TARAUDEE	ENMET12 LG.13	29533321
	11	RONDELLE	M3U A4-50 PASSIVE	99012770
	13	RONDELLE	520301-80	99051638
	12	VIS	C M3X8/8 U INOX.A4 PASS.	99060924
CAPACITOR				
C	2 3 4 5 8 9 10 11	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	200 210 220 230 240 250 260 270 400 410 420 430 440 450 460 470 480 490 500 501 502 503 520 530 540 550 560 570 580 590 600 610 620 630 650 651 652 653 660 661 662 663 670 680 690 691 692 693 700 710 800 801 802 803 830 831 832 833 1000 1010 1011 1012 1013 1020 1030 1040 1050 1060 1070 1080 1090 1100 1101 1102 1103 1200 1210 1220 1221 1222 1223 1300 1310 1330 1340 1350 1360 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 2124 2126	CONDENSATEUR CHIPS	CC0805B-2C1 10 NF 10% 50/63V	T9000152
C	1 6 7 12	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
LED				
CRL1		DIODE ELECTROLUMINESCENTE CMS	LGA670-J (VERT)	T1002692
DELAY LINE				
DL	1300 1310	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
ETI1		ETIQUETTE	DAT-1-637-10	91592387
CONNECTOR (FIXED)				
J	3 5 6 7		09 18 550 6 329(EMD50CIF)	T1003242
INDUCTOR				
L	1 2 3 4	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
PT	1 2 3 4 5 1300	PLOT	E06626-L2M	91382049
RESISTOR				
R	1 220 223 224 225 226 227 230 233 234 235 236 237 440 442 443 445 446 450 452 453 455 456 580 582 583 585 586 590 592 593 595 596 662 663 667	RESISTANCE CHIPSE	RR0805 220 OHMS 5% 1/10W K250	99180485
R	221 222 231 232 441 447 448 451 457 458 500 581 587 588 591 597 598 650 660 661 664 665 666 668 690 800 801 830 1010 1013 1014 1015 1100 1220 1430 1431 1432 1441	RESISTANCE CHIPSE	RR0805 4,7 KOHMS 5% 1/10W K250	99180498
R	1301 1311 1313 1315 1320 1440	RESISTANCE CHIPSE	RR0805 0 OHM	99180514
INTEGRATED CIRCUIT				
Z	670	CIRCUIT INTEGRE PROGRAMME	Z 670	47016793
Z	1430	CIRCUIT INTEGRE PROGRAMME	Z 1430	47016794
Z	200 210 810 820 1040 1050 1200 1210 1400 1410 1420 1440 1450 1460 1470 1480	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	660	CIRCUIT INTEGRE	TMC2330 PGA120 0+70	T1001311
Z	440 450 580 590	CIRCUIT INTEGRE CMS	IDT7216L-20-J PLCC68 0+70	T1001907
Z	800 1010	CIRCUIT INTEGRE	*0*L64245GC-30 PGA68 0+70	T1002173
Z	500 650 690 830 1100 1220		XC4003A-5-PQ100C QF100P 0+70	T1002801
Z	670 1430	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	240 250 260 270 460 470 480 490 560 570 600 610 620 630 700 710 1000 1020 1030 1080 1090	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	400 410 420 430 520 530 540 550 1350 1360	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	220A 230A 670A 1430A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	1330 1340	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	1060 1070	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	220 230	CIRCUIT INTEGRE CMS	2242 33NS PLCC44 0+70	T9001571

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REF.	REFERENCE NUMBER	DESCRIPTION	VALUE	PART NO
	13		RAIDISSEUR CI 6U AR	39965370
	10		RAIDISSEUR CI 6U AV.D.T.12	39965400
	15	COSSE	25002	91523376
	11	RONDELLE	520301-80	99051638
	12	VIS	C M3X10/10 U INOX.A4 PASS.	99058372
	20	EXTRACTEUR	107-50-3-P	T1002349
CAPACITOR				
C	1 2 4 5 7 8 10 11 13 14 16 17	CONDENSATEUR CHIPS	CC1206B-2C1 22 NF 10% 50/63V	99128127
C	3224	CONDENSATEUR CHIPS	CTC3A 1MF 20% 16V	99142711
C	1290 1300 1730 1740 1781 1782 1783 1784 1785 1786 1787 1788 1789 1791 2300 2301 2302 2303 2310 2320 2330 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2761 2762 2763 2770 2790 2830 2840 2850 2910 2920 2930 2940 2950 2960 2970 3000 3001 3002 3003 3020 3030 3031 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3150 3160 3170 3180 3190 3200 3210 3211 3212 3213 3220 3221 3222 3223 3230 3240 3250 3260 3270	CONDENSATEUR CHIPS	CCO805B-2C1 10 NF 10% 50/63V	T9000152
C	3 6 9 12 15 18	CONDENSATEUR CHIPS	CAC66 22 MF 20% 35V -40+105	T9000692
LED				
CRL1	2	DIODE ELECTROLUMINESCENTE CMS	595-2301 (VERT)	T1002427
DELAY LINE				
DL	3000 3001 3030	LIGNE A RETARD	DPA S14 50-3 FT424	91541463
ETI1		ETIQUETTE	DAT-1-637-10	91592387
FUSE				
F	1 4 5 6	FUSIBLE	MFR400 (MULTIFUSE)	T1001109
INDUCTOR				
L	1 2 3 4 5 6	INDUCTANCE	BOB.2,5 SPIRES-4B1 (VK200)	99006874
L	3000	INDUCTANCE	TRO21 2,2 MICROHENRYS +-10%	99100014
CONNECTOR (MOBILE)				
P	20 50	CONNECTEUR	METRIC2/2 FFC-4X6-V2	T9000824
P	10 40	CONNECTEUR	METRIC2/2 FFC-4X48-V2	T9000925
PT	1 2 3 4 5 6 180 480 780 3000 3001	PLOT	EO6626-L2M	91382049
RESISTOR				
R	3223	RESISTANCE CHIPSE	RRO805 100 KOHMS 5% 1/10W K250	99180472
R	1 2 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2650 2660 2661 2662 2663 2670 2671 2672 2673 2680 2681 2682 2970 2972 2975 2977 3001 3003 3230 3240 3250 3260	RESISTANCE CHIPSE	RRO805 220 OHMS 5% 1/10W K250	99180485
R	2530 2540 2550 2600 2910 2911 2912 2920 2921 2922 2971 2973 2974 2976 3150 3151 3160 3170 3180 3190 3200 3210 3211 3212 3220 3221 3222	RESISTANCE CHIPSE	RRO805 4,7 KOHMS 5% 1/10W K250	99180498
R	2760 2761 3004 3008 3030 3032 3034	RESISTANCE CHIPSE	RRO805 0 OHM	99180514
R	3000 3002	RESISTANCE CHIPSE	RRO805 110 OHMS 5% 1/10W K250	T9000046
INTEGRATED CIRCUIT				
Z	1784	CIRCUIT INTEGRE PROGRAMME	Z 1784	47016189
Z	2650	CIRCUIT INTEGRE PROGRAMME	Z 2650	47016193
Z	2910	CIRCUIT INTEGRE PROGRAMME	Z 2910	47016195
Z	2920	CIRCUIT INTEGRE PROGRAMME	Z 2920	47016196
Z	3210	CIRCUIT INTEGRE PROGRAMME	Z 3210	47016197
Z	3220	CIRCUIT INTEGRE PROGRAMME	Z 3220	47016198
Z	2530 2540 2550	CIRCUIT INTEGRE CMS	74F175 SO16P 0+70	99143527
Z	3150 3160 3170 3180 3190 3200	CIRCUIT INTEGRE CMS	74F163 SO16P 0+70	99143541
Z	2930 2940 3270	CIRCUIT INTEGRE CMS	74F244 SO20P 0+70	99143568
Z	2950 2960	CIRCUIT INTEGRE CMS	74F245 SO20P 0+70	99143569
Z	2340 2360	CIRCUIT INTEGRE ASIC CMS	L5A6258 QF160P	T1002136
Z	2910 2920 3210 3220	RESEAU LOGIQUE PROGRAM. CMS	EPM7032LC44-15 PLCC44 0+70	T1005490
Z	1783 2430 2440 2470 2560 2570 2690 2700 2770 2850 3230 3240	CIRCUIT INTEGRE CMS	74ACT574 SO20P -40+85	T9000025
Z	2790 2970	CIRCUIT INTEGRE CMS	74ACT244 SO20P -40+85	T9000073
Z	2740 2750	CIRCUIT INTEGRE CMS	74ACT245 SO20P -40+85	T9000075
Z	2630	CIRCUIT INTEGRE CMS	74ACT821 SO24P -40+85	T9000089
Z	1290 1300 1781 1782 2580 2590 3020 3030 3040 3050 3060 3070 3080 3090 3100 3130 3250 3260	CIRCUIT INTEGRE CMS	74F574 SO20P 0+70	T9000341
Z	1788 1789 1791	CIRCUIT INTEGRE CMS	74F85 SOL16P 0+70	T9000348
Z	2710 2720 2730	CIRCUIT INTEGRE CMS	74F399 SO16P 0+70	T9000545
Z	1784 2650	RESEAU LOGIQUE PROGRAMMABLE	16V8A 15NS D20P	T9000681
Z	3000	CIRCUIT INTEGRE CMS	10H125 PLCC20 0+75	T9000830
Z	2910A 2920A 3210A 3220A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC44-BP-OP-S	T9001122
Z	2760A	SUPPORT DE CIRCUIT INTEGRE CMS	SPLCC68-BP-OP-S	T9001124
Z	1784A 2650A	SUPPORT DE CIRCUIT INTEGRE	SCC1D20-Y3-A-B	T9001172
Z	3110 3120	CIRCUIT INTEGRE CMS	74ABT328 SO16P -40+85	T9001176
Z	1730 1740 2410 2420 2480 2490	MEMOIRE FIFO CMS	2KX8 28NS 90MA DF28P 0+70	T9001249
Z	2830 2840	CIRCUIT INTEGRE CMS	74F821 SO24P 0+70	T9001292
Z	2450 2460	MEMOIRE FIFO	256KX8 30NS 50/5MA 228P 0+70	T9001456
Z	1785 1786 1787 2310 2320 2330 2380 2390 2400 2500 2510 2520 2660 2670 2680	CIRCUIT INTEGRE CMS	74ACT399 SO16P -40+85	T9001475
Z	2600 2610 2620	CIRCUIT INTEGRE CMS	74ACT283 SO16P -40+85	T9001497

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