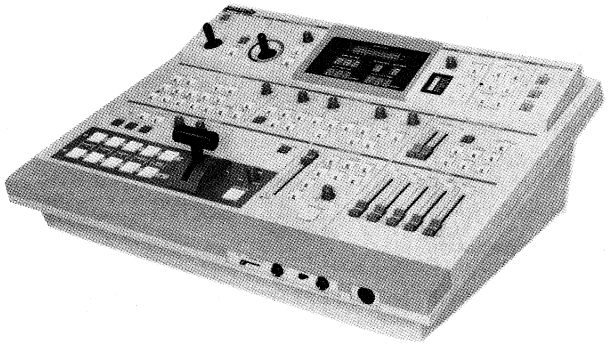
ORDER NO.AVS9803033C8

Service Manual

Production Mixer

WJ-MX50A

Simplified



Please file and use this Simplified Service manual together with the service manual for the Model No. WJ-MX50, order No.AVS9206582C2 and the suppliment sevice manual for Model No. WJ-MX50, order No. AVS9302659S8.

SPECIFICATIONS

Source Input :	×4 (SOURCE 1/2/3/4)
Composite Video Input :	1.0 Vp-p/75 Ohms, PAL signal, BNC ×4
S-Video Input :	Y signal; 1.0 Vp-p/75 Ohms, C signal; 0.3 Vp-p/75 Ohms, Mini DIN 4 connector×4
Audio Input :	SOURCE 1/2; XLR-type×2, +4 dBm/600 ohms (Balanced), Left and Right. SOURCE 3/4; Pin-jack×2, −6 dBs/20 Kohms (Unbalanced), Left and Right.
Auxliliary Audio Input :	×2 (Aux1/2) −6dBs/20 Kohms, Pin-jack (Unbalanced), Left and Right
Microphone Input :	−60 dBv/600 ohms, unbalanced, tip-ring-sleeve type phone jack×1
External Camera Input :	1.0 Vp-p/75 ohms, PAL compostie signal, BNC×1 Y signal; 1.0 Vp-p/75 ohms, C signal; 0.3 Vp-p/75 ohms, Mini DIN 4 connector×1
GPI Input :	Make-contact, BNC×1
Character (TITLE) Input :	10-pin connector x 1 for optional Character Generator WJ-KB30, WJ-KB50.
Program Output :	×2 (PROGRAM OUT 1/2)
Composite Video Output :	1.0 Vp-p/75 ohms PAL signal, BNC×2
S-Video Output :	Y signal; 1.0 Vp-p/75 ohms, C signal: 0.3 Vp-p/75 ohms, Mini DIN 4 connector×2
Audio Output :	PROGRAM OUT 1; XLR-type×1, +4dBs/47 ohms (Balanced), Left and Right. PROGRAM OUT 2; Pin-jack×1, −6dBs/47 ohms (Unbalanced), Left and Right.
Previw Output :	1.0 Vp-p/75 ohms, PAL composite signal, BNC×1.
Black Burst Output :	Sync 0.3 Vp-p/75 ohms, Burst 0.3 Vp-p/75 ohms PAL signal, BNC×1.
Advance Sync Output :	4 Vp-p/75 ohms, BNC×2
Advance Reference Output :	Sync 0.3 Vp-p/75 ohms, Burst 0.3 Vp-p/75 ohms, BNC×2
Headphone Output :	−20 dBv - −80 dBv, 8 ohms unbalanced, tip-ring-sleeve type phone jack×1.
Digital Effects :	Nega, Mosaic, Mono, Paint, Still, Strobe, Multi, Trail, A/V Synchro, Frame
Matte Colours :	Colour Bar, White, Yellow, Cyan, Green, Magenta, Red, Blue, Black.
Wipe Patterns :	287 Patterns
Joystick Control :	Positioner, Colour Correction.
Audio Mixer :	A-bus, B-bus, AUX-1, AUX-2, Mic, Master.

Panasonic

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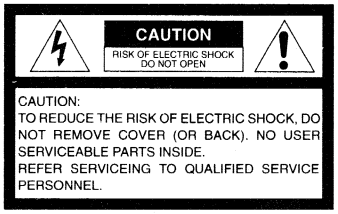
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



This symbol warns the user that uninsuland voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.

This symbol alerts the user that impotant literature concerning the operation and maintenance of this has been included. Therefore, it should be read carefully in order to avoid any problems.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are indicated by the ⚠ mark on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards.
Do not modify the original design without permission of manufacture.

Others :	Audio-Follow, Auto-Take, Auto-Fade, Memory, Special Mode.
Video Sampling :	4 : 1 : 1, Y = 13.5 MHz, 8-bit component
Frequency Range :	Sync; 15.625 KHz±300 Hz
	SC; 4.433619 MHz±40 Hz
Frequency Responce :	Y/C signal; 4.5 MHz (at −3dB)
	Composite Video Signal; 4.5 MHz (at −3dB)
	Audio; 20 - 20 KHz (at −3 dB)
Gain :	Unity (Video)
S/N (Typical) :	56 dB (S-Video), 50 dB (Composite), 70dB (Audio at 1 KHz)
Differential Gain :	±5° (Composite)
Differential Phase :	±5 % (Composite)
Power Source :	220 - 240V AC 50 Hz
Power Consumption :	Operation mode; Approximately 45W
	Stand-by mode; Approximately 5W
Ambient Operating Temperature :	0 - 40°C
Ambient Operating Humidity :	Less than 90%
Dimensions :	480 (W)×164 (H)×396 (D) mm
Wight :	6.8 Kg

Weight and dimensions indicated above are approximate.
Specifications are subject to change without notice.

STANDARD ACCESSORY

- Wipe Pattern Sheet ..... 1 pc.

OPTIONAL ACCESSORIES

- Charactor Generator WJ-KB30, WJ-KB50

CONTENTS

ADJUSTMENT PROCEDURE.....1
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This service manual describes difference from the WJ-MX50.

ADJUSTMENT PROCEDURE

3-4(A). Ach VCO Adjustment

Test point:	**TP103**	**Digital Board**
Adjust:	**L108**	**Digital Board**

- Supply the colour bar signal with the Y/C components to the source Input of WJ-MX50A and select the Ach input.
- Connect the digital voltmeter to TP103.
- Adjust L108 to obtain the voltage of 2.1 ± 0.1V.

3-4(B). Bch VCO Adjustment

Test point:	**TP107**	**Digital Board**
Adjust:	**L119**	**Digital Board**

- Supply the colour bar signal with the Y/C components to the source Input of WJ-MX50A and select the Bch input.
- Connect the digital voltmeter to TP107.
- Adjust L119 to obtain the voltage of 2.1 ± 0.1V.

3-5. Converter VCO Adjustment

Test point:	**TP108**	**Digital Board**
Adjust:	**L126**	**Digital Board**

- Connect the digital voltmeter to TP108.
- Adjust L126 to obtain the voltage of 2.5 ± 0.1V.

3-6. Program Y gain Adjustment

Test point:	**Y/C Program Output**	**Rear Panel**
Adjust:	**VR26**	**Analog Board**

- Output the internal colour bar signal to the Y/C Program Output.
- Adjust VR26 so that the white level becomes 105 ± 2 IRE.

3-8. Program COMP Gain Adjustment

Test point:	**COMP. Program Output**	**Rear Panel**
Adjust:	**VR39**	**Analog Board**

- Output the internal colour bar signal to the COMP. Program Output.
- Adjust VR39 so that the white level becomes 105 ± 2 IRE.

3-9. Preview Y Gain Adjustment

Test point:	**Y/C Preview Output**	**Rear Panel**
Adjust:	**VR28**	**Analog Board**

- Output the internal colour bar signal to the Y/C Preview Output.
- Adjust VR28 so that the white level becomes 105 ± 2 IRE.

3-19. Ach Y Gain Adjustment

Test point:	**Y/C Program Output**	**Rear Panel**
Adjust:	**VR15**	**Analog Board**

- Supply the RAMP signal (Y=100 IRE, APL=50%) with the Y/C components to the Ach input.
- Adjust VR15 so that the white level becomes 102 ± 2 IRE.

3-25. Bch Y Gain Adjustment

Test point:	**Y/C Program Output**	**Rear Panel**
Adjust:	**VR18**	**Analog Board**

- Supply the RAMP signal (Y=100 IRE, APL= 50%) with the Y/C components to the Y/C Source Input of both Ach and Bch.
- Select the horizontal wipe pattern (◧) and wipe the signal at the black portion.
- Adjust VR18 so that the two white level of the RAMP signal matches at 102 ± 2 IRE.

3-27. Bch COMP. Gain Adjustment

Test point:	**Y/C Program Output**	**Rear Panel**
Adjust:	**VR5**	**Analog Board**

- Supply the RAMP signal (Y=100 IRE, APL= 50%) with the Y/C components to the Y/C Source Input of Ach and the composite RAMP signal to the COMP. Source Input of Bch.
- Select the horizontal wipe pattern (◧) and wipe the signal at the white portion.
- Adjust VR5 so that the two white level of the RAMP signal matches at 102 ± 2 IRE.

3-28. Ach COMP. Gain Adjustment

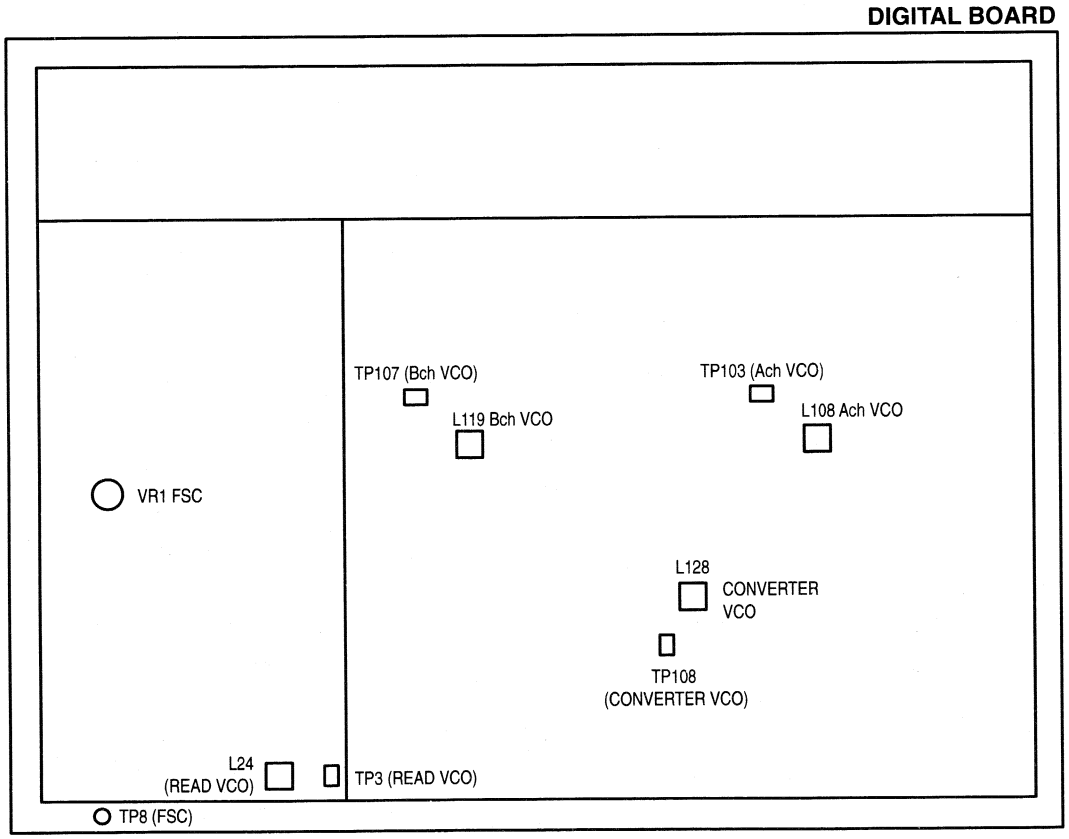
Test point: **COMP. Program Output** **Rear Panel**
Adjust: **VR1** **Analog Board**

- Supply the composite RAMP signal (Y=100 IRE, APL= 50%) to the COMP. Source Input of both Ach and Bch.
- Select the horizontal wipe pattern (◧) and wipe the signal at the white portion.
- Adjust VR1 so that the two white level of the RAMP signal matches at 102 ± 2 IRE.

Notes:

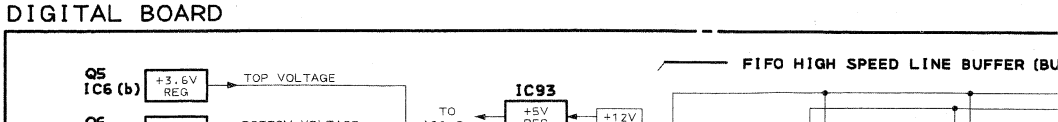
- Other adjustment items are exactly same as WJ-MX50.
- Please kindly refer original manual.

LOCATION OF TEST POINTS AND ADJUSTING CONTROLS



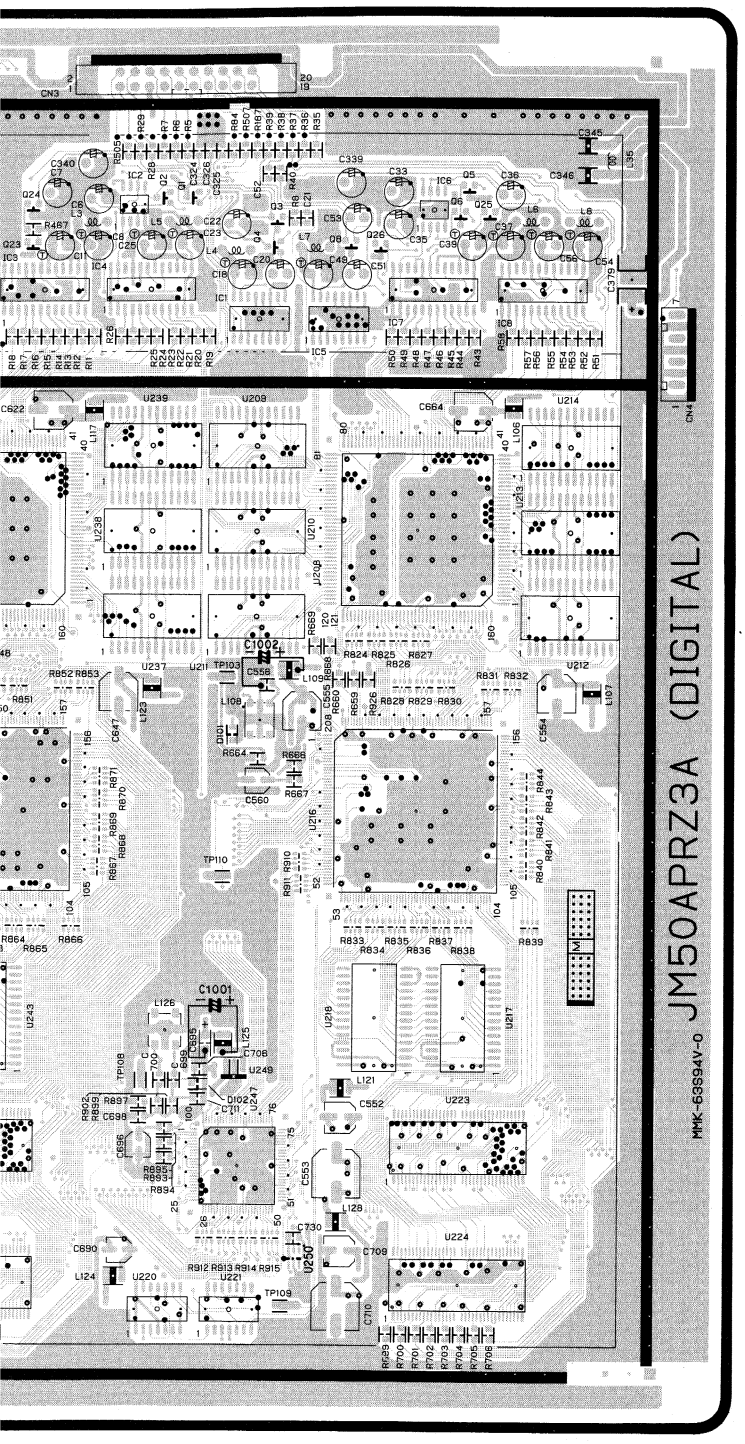
DIGITAL BOARD

DIGITAL BOARD



CONDUCTOR VIEW OF DIGITAL BOARD

(COMPONENT SIDE)



4 5 6

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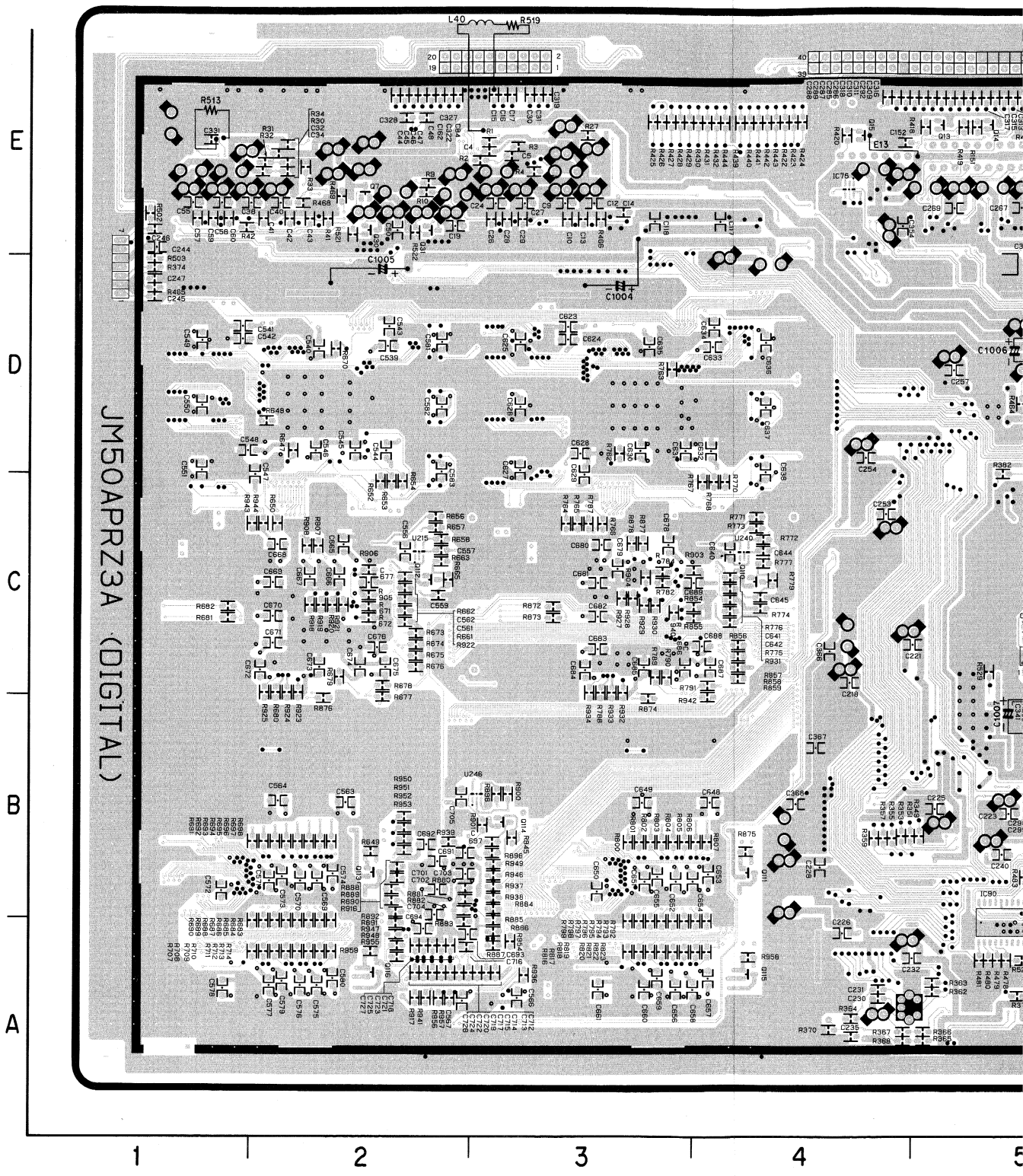
DIGITAL BOARD (COMPONENT SIDE)

IC1	E4	U236	D3
IC2	E4	U237	C4
IC3	E4	U238	D4
IC4	E4	U239	D4
IC5	D5	U241	C3
IC6	E5	U242	B3
IC7	E5	U243	B4
IC8	E5	U244	B3
IC63	B3	U245	A3
IC64	B2	U247	B4
IC65	A2	U248	A1
IC66	A2	U249	B4
IC67	B1	U250	A5
IC69	C1	Q1	E4
IC71	E2	Q2	E4
IC72	E2	Q3	E4
IC73	D2	Q4	E4
IC74	E3	Q5	E5
IC76	E3	Q6	E5
IC77	E2	Q8	E5
IC78	E1	Q18	A3
IC79	D1	Q19	D1
IC80	D2	Q23	E4
IC82	E3	Q24	E4
IC83	E3	Q25	E5
IC86	D1	Q26	E5
IC87	E3	D3	B1
IC88	B1	D4	B1
IC92	D2	D5	C1
IC93	D2	D6	C2
IC95	C1	D7	A3
IC96	A1	D8	E2
U208	D5	D9	E2
U209	D4	D10	A1
U210	D5	D11	A1
U211	C4	D12	B2
U212	C6	D13	B2
U213	D5	D100	C3
U214	D6	D101	C4
U216	C5	D102	B4
U217	B5		
U218	B5		
U220	A4		
U221	A4		
U223	B5		
U224	A5		
U233	D3		
U234	D3		
U235	D3		

BLOCK DIAGRAM OF DIGITAL BOARD

ED LINE BUFFER (BUS-A)

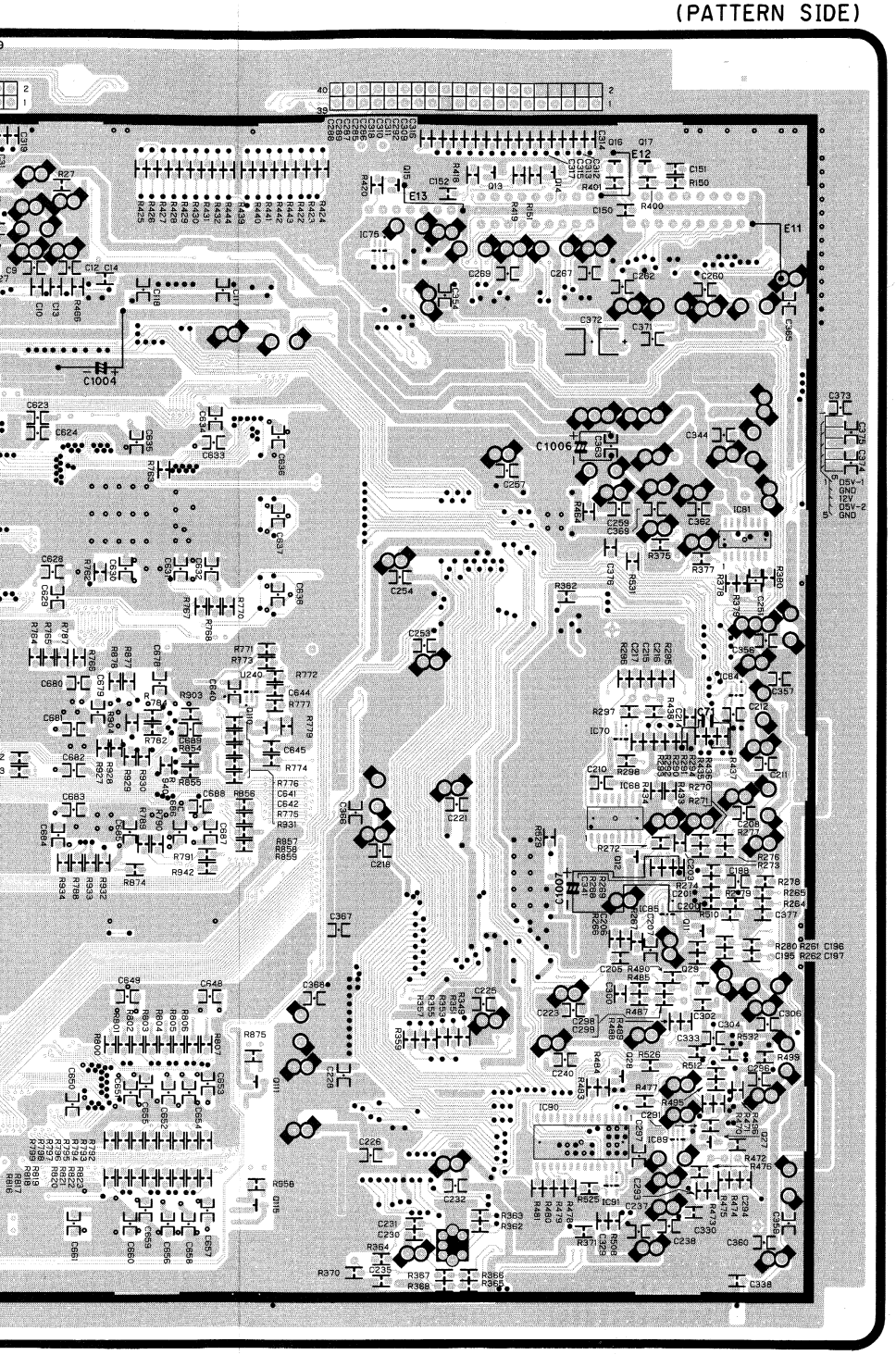
DIGITAL BOARD



CHARACTER GENERATOR INTERFACE

IC86 IC81

(PATTERN SIDE)



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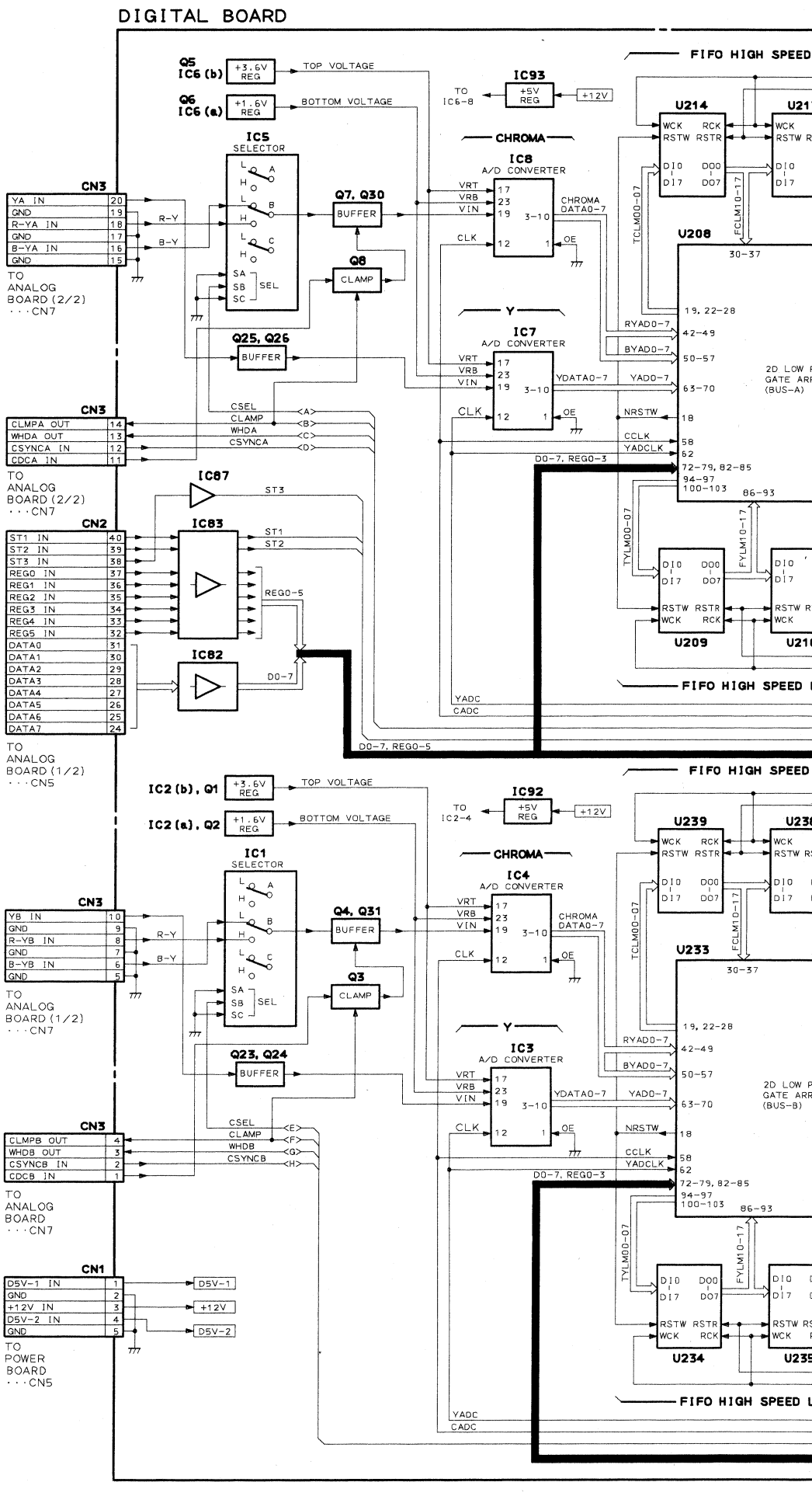
DIGITAL BOARD (PATTERN SIDE)

IC68	C5
IC70	C5
IC75	E4
IC81	D6
IC84	C6
IC85	B5
IC89	A5
IC90	B5
IC91	A5
U215	C2
U240	C4
U246	B3
Q7	E2
Q11	B5
Q12	C5
Q13	E5
Q14	E5
Q15	E4
Q16	E5
Q17	E5
Q27	A6
Q28	B5
Q29	B5
Q30	E2
Q31	E2
Q110	C4
Q111	B4
Q112	C2
Q113	B2
Q114	B3
Q115	A4
Q116	A2

CHARACTER GENERATOR INTERFACE

IC86 IC81

CN4


DIGITAL BOARD
FIFO HIGH SPEED
Q5
IC6 (b)
+3.6V REG
TOP VOLTAGE
Q6
IC6 (a)
+1.6V REG
BOTTOM VOLTAGE
IC93
TO IC6-8
+5V REG
+12V
IC5
SELECTOR
CHROMA
IC8
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CN3
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R-YA IN 18
GND 17
B-YA IN 16
GND 15
R-Y
B-Y
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Q8
CLAMP
SA SB SC SEL
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CHROMA DATA0-7
OE
U214
U208
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FCLM10-17
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19, 22-28
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A/D CONVERTER
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RYAD0-7
BYAD0-7
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50-57
63-70
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58
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100-103
86-93
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FYLM10-17
U209
CN3
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WHDA OUT 13
CSYNCA IN 12
CDCA IN 11
CSEL
CLAMP
WHDA
CSYNCA
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<B>
<C>
<D>
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CN2
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ST2 IN 39
ST3 IN 38
REG0 IN 37
REG1 IN 36
REG2 IN 35
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REG4 IN 33
REG5 IN 32
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DATA2 29
DATA3 28
DATA4 27
DATA5 26
DATA6 25
DATA7 24
IC83
ST1
ST2
REG0-5
IC82
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CADC
DO-7, REG0-5
TO ANALOG BOARD (1/2) ···CN5
FIFO HIGH SPEED
IC2 (b), Q1
+3.6V REG
TOP VOLTAGE
IC2 (a), Q2
+1.6V REG
BOTTOM VOLTAGE
IC92
TO IC2-4
+5V REG
+12V
IC1
SELECTOR
CHROMA
IC4
A/D CONVERTER
CN3
YB IN 10
GND 9
R-YB IN 8
GND 7
B-YB IN 6
GND 5
R-Y
B-Y
Q4, Q31
BUFFER
Q3
CLAMP
SA SB SC SEL
VRT VRB VIN CLK
CHROMA DATA0-7
OE
U239
U233
WCK RCK RSTW RSTR DI0 DI7 DO0 DO7
TCLM00-07
FCLM10-17
30-37
19, 22-28
Y
IC3
A/D CONVERTER
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BUFFER
YDATA0-7
YADD-7
RYAD0-7
BYAD0-7
42-49
50-57
63-70
2D LOW P
GATE ARR
(BUS-B)
NRSTW
18
CCLK
58
YADCLK
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100-103
86-93
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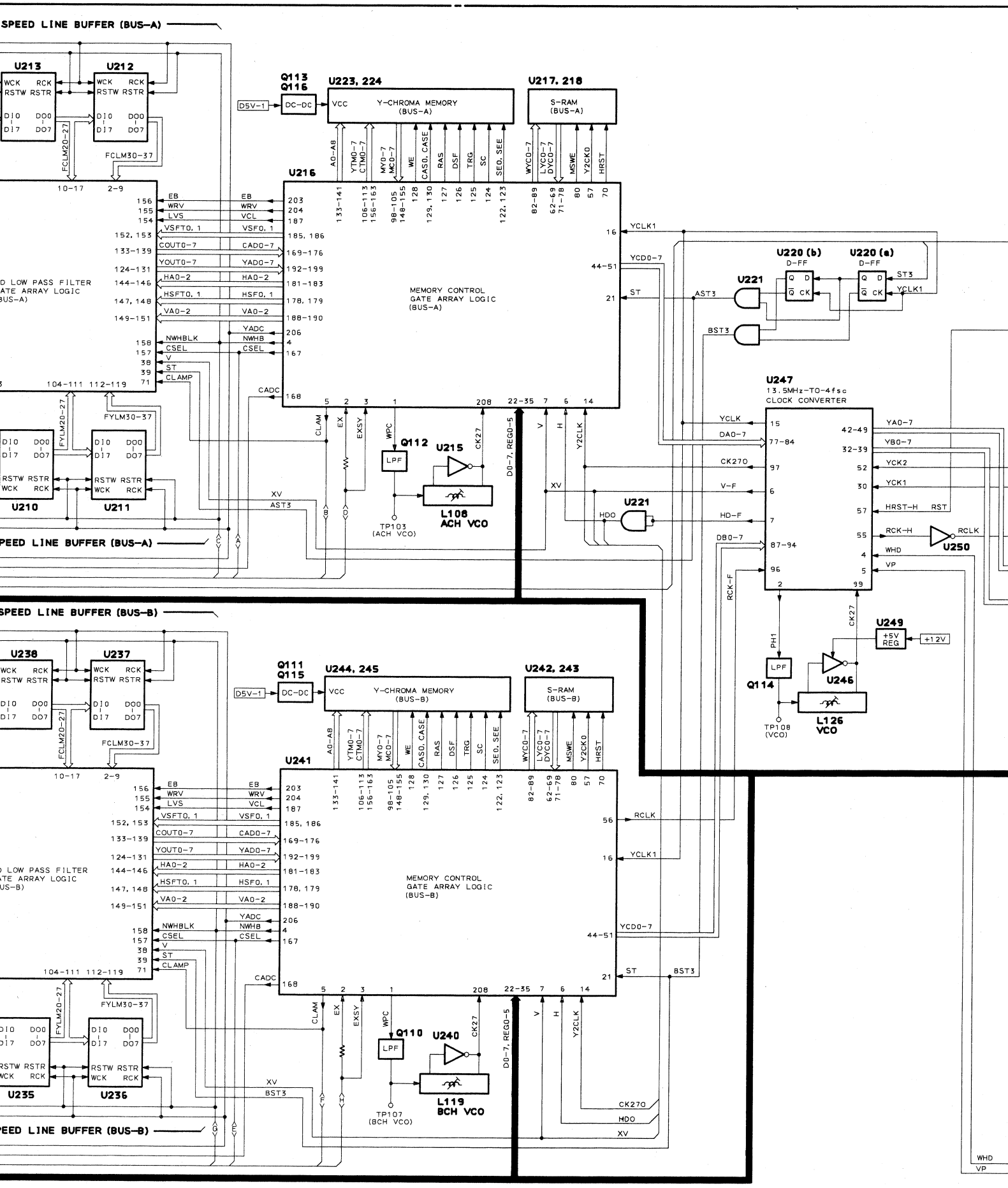
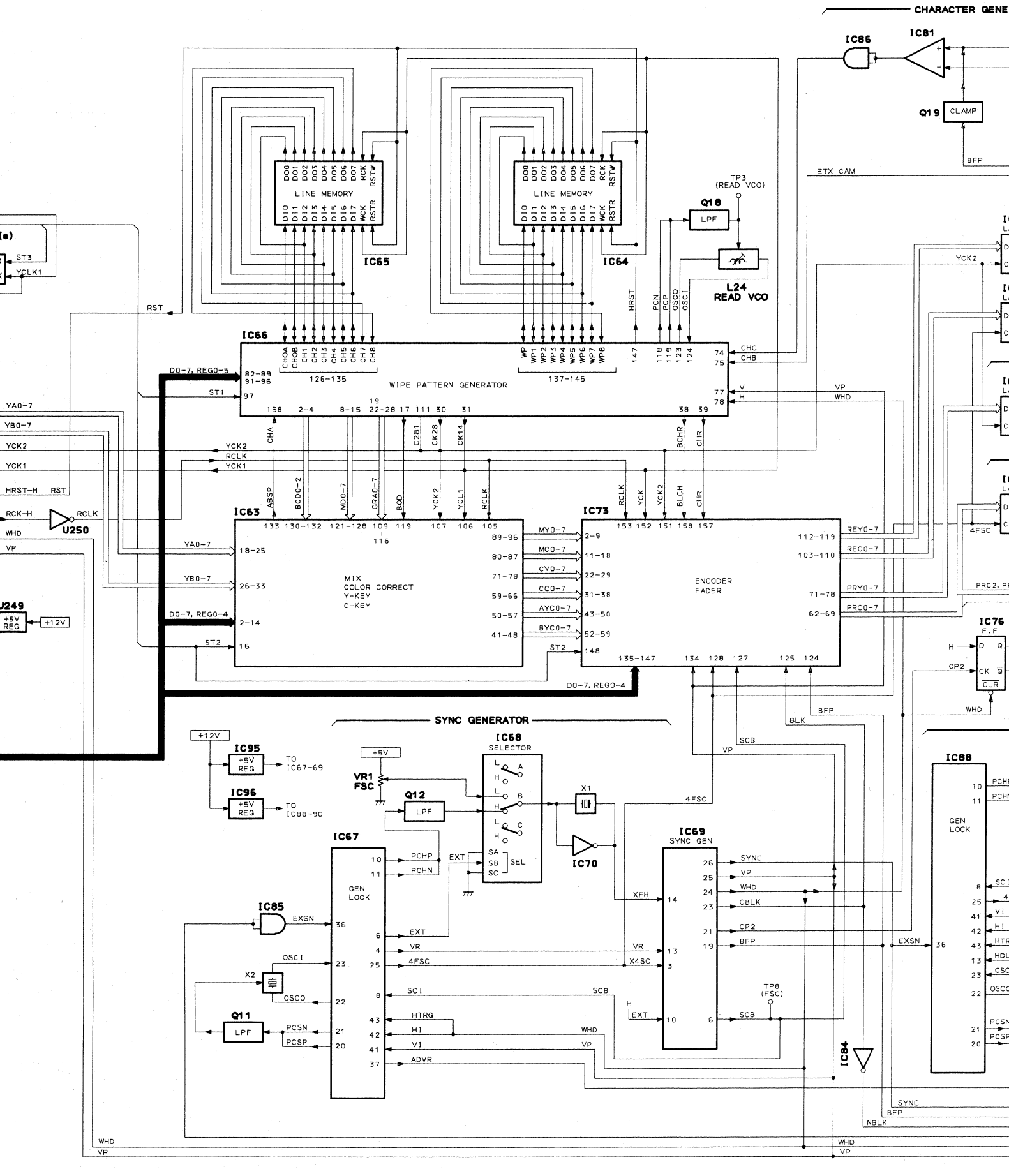
FYLM10-17
U234
CN3
CLMPB OUT 4
WHDB OUT 3
CSYNCB IN 2
CDCB IN 1
CSEL
CLAMP
WHDB
CSYNCB
<E>
<F>
<G>
<H>
TO ANALOG BOARD ···CN7
CN1
D5V-1 IN 1
GND 2
+12V IN 3
D5V-2 IN 4
GND 5
D5V-1
+12V
D5V-2
TO POWER BOARD ···CN5
YADC
CADC

BLOCK DIAGRAM OF DIGITAL BOA



ITAL BOARD


CHARACTER GENE
IC86
IC81
Q19
CLAMP
BFP
ETX CAM
TP3
(READ VCO)
Q18
LPF
L24
READ VCO
IC65
IC64
LINE MEMORY
IC66
WIPE PATTERN GENERATOR
126-135
137-145
RST
HRST
PCN
PCP
OSCO
OSCI
CHC
CHB
V
H
VP
WHD
YCK2
RCLK
YCK1
HRST-H
RCK-H
U250
IC63
MIX
COLOR CORRECT
Y-KEY
C-KEY
IC73
ENCODER
FADER
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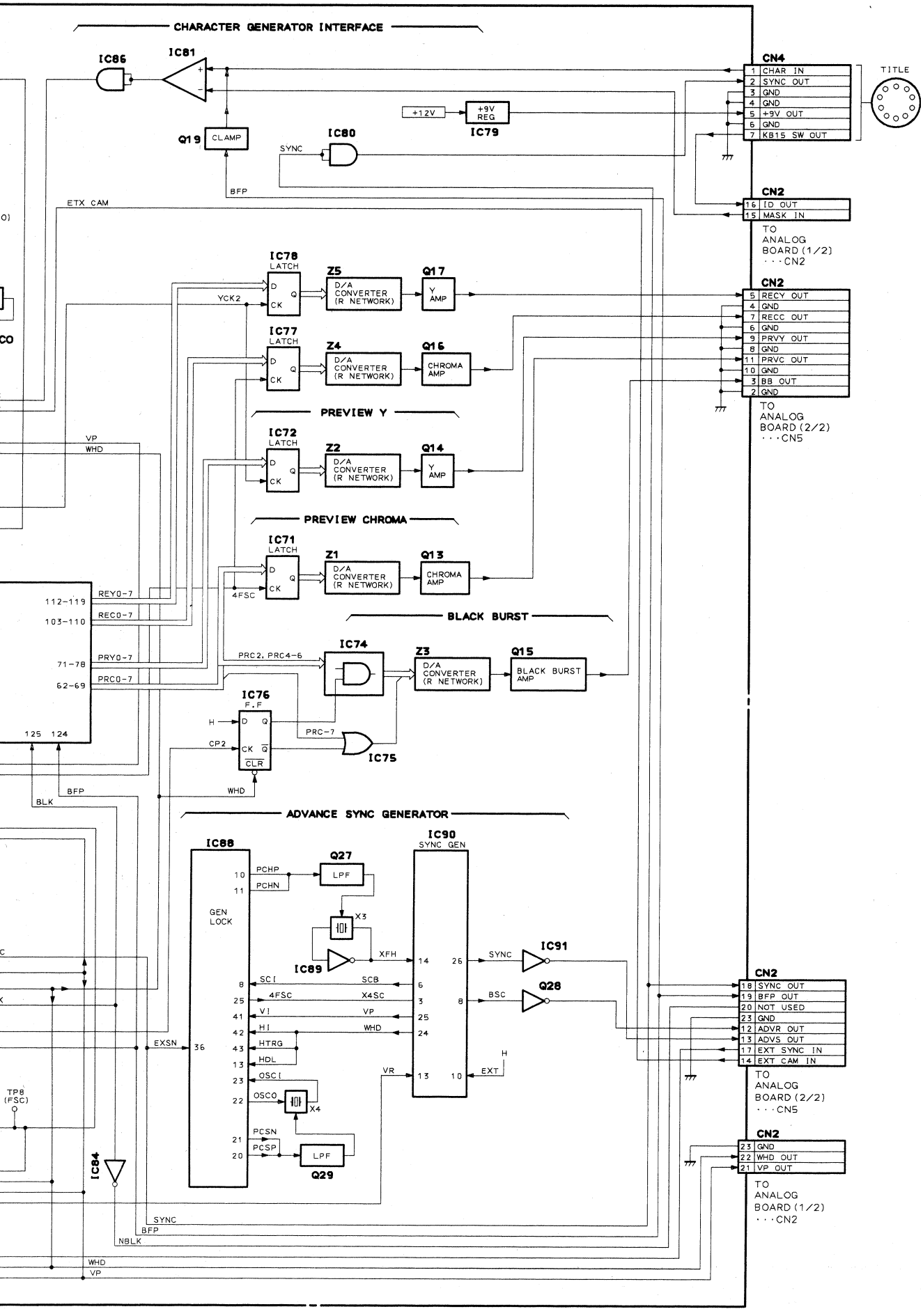
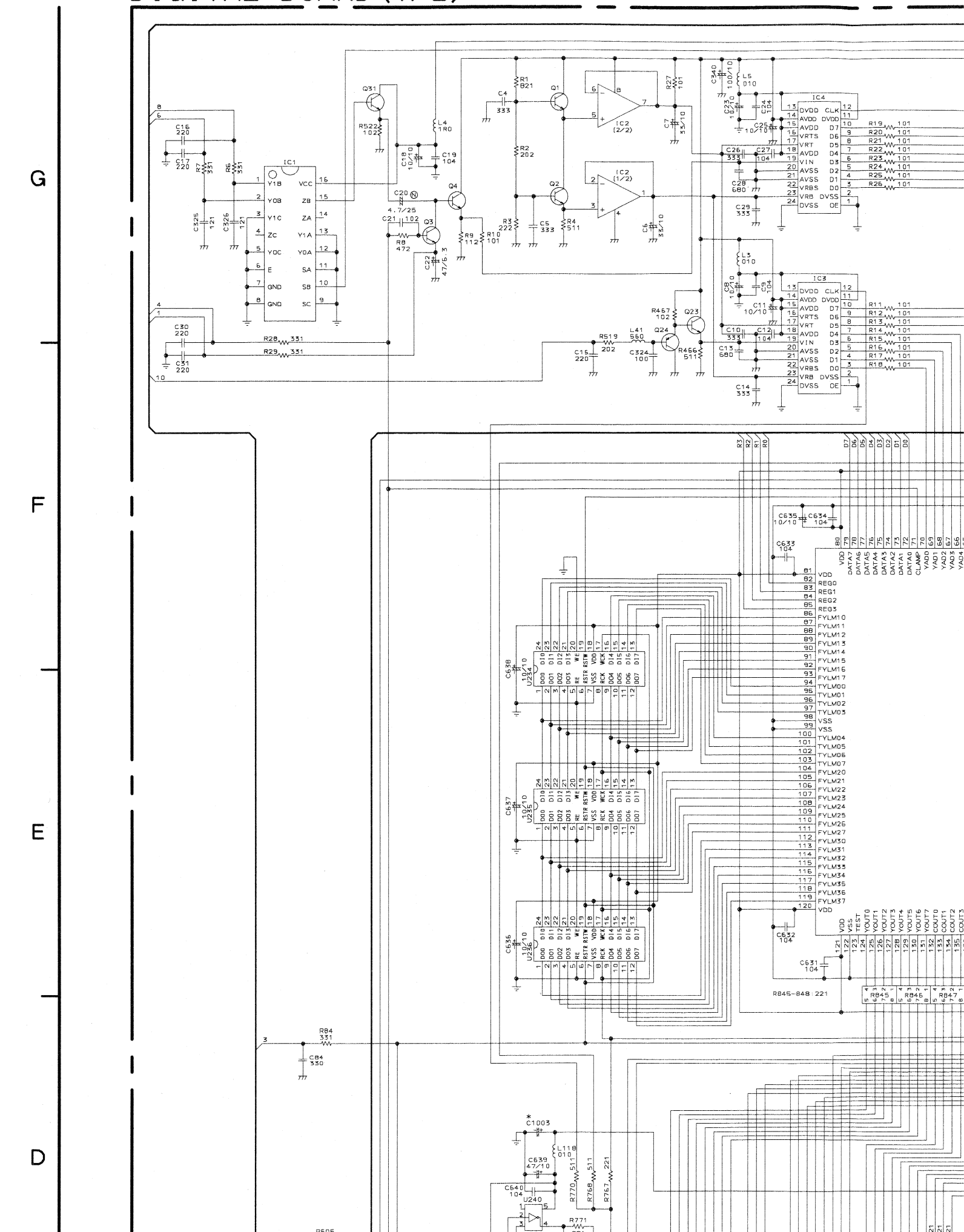
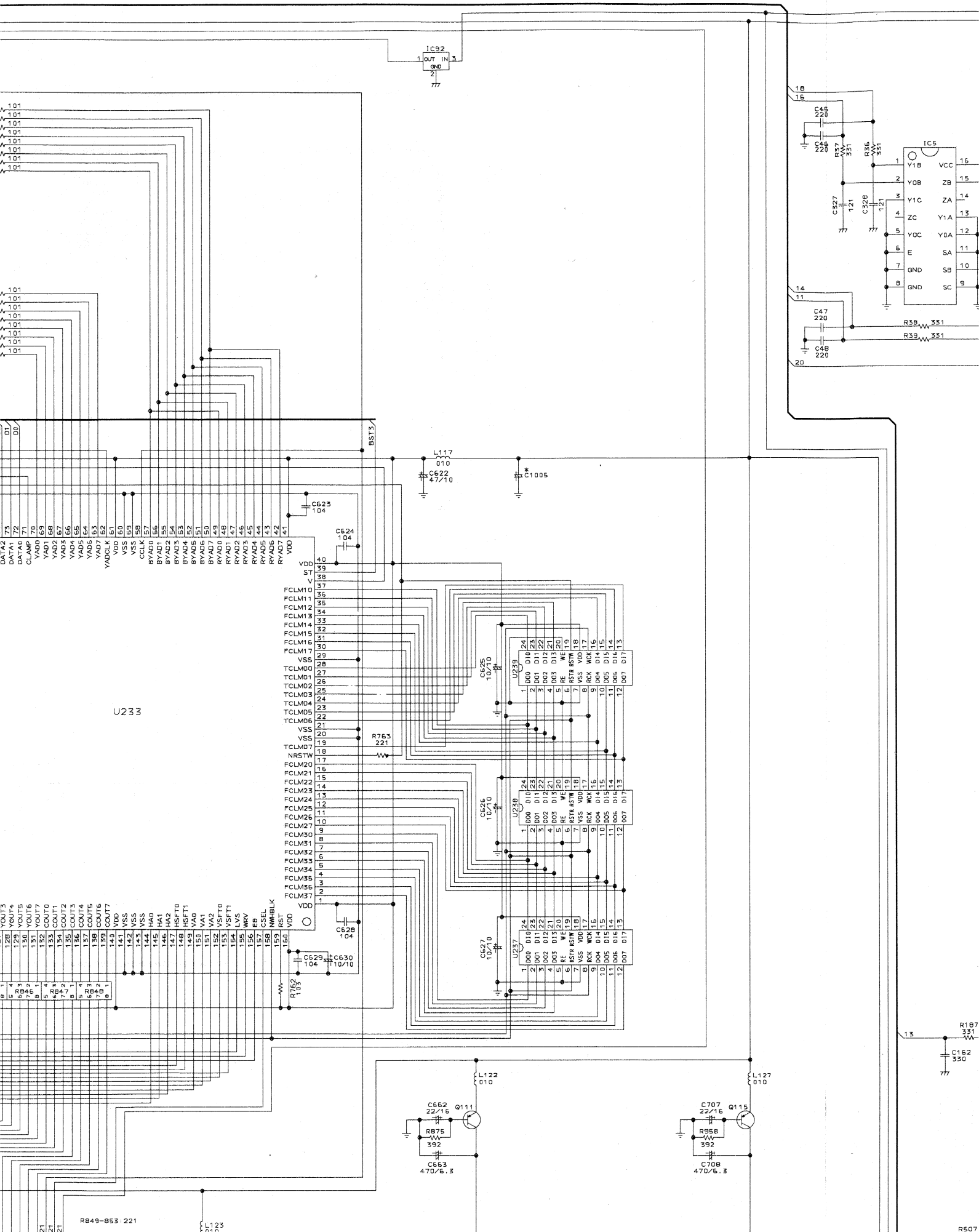
D0-7, REG0-4
ST1
ST2
YA0-7
YB0-7
SYNC GENERATOR
IC68
SELECTOR
IC67
GEN
LOCK
IC69
SYNC GEN
IC70
IC85
IC95
IC96
+5V
REG
+12V
TO
IC67-69
TO
IC88-90
VR1
FSC
Q12
X1
X2
Q11
PCHP
PCHN
EXT
EXSN
OSCI
OSCO
PCSN
PCSP
HTRG
HI
VI
ADVR
SCI
SCB
XFH
X4SC
4FSC
SYNC
CBLK
CP2
BFP
NBLK
TP8
(FSC)
IC84
IC88
GEN
LOCK
IC76
F.F
BLK
U249

WJ-MX50A

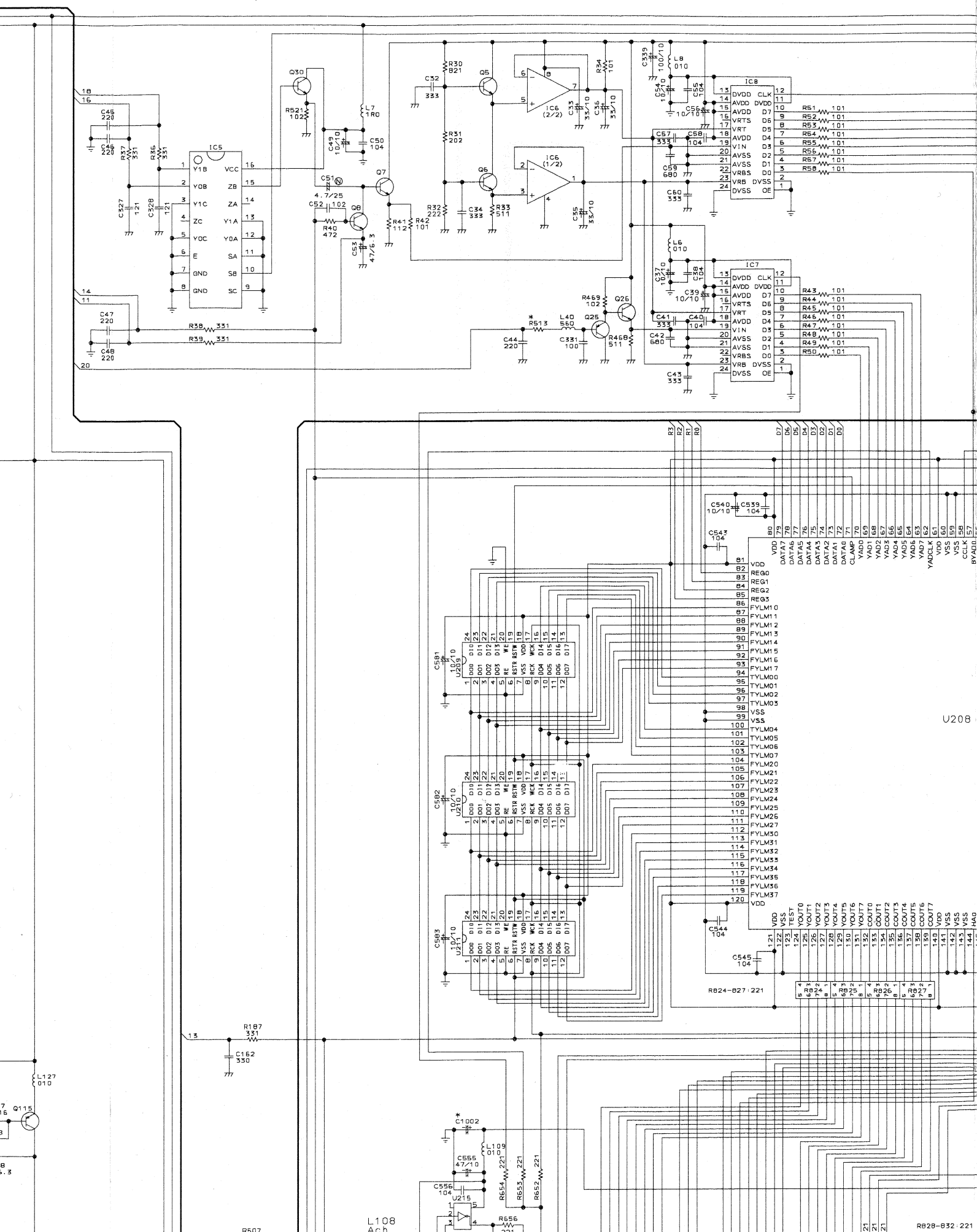

CHARACTER GENERATOR INTERFACE
IC86
IC81
Q19
CLAMP
+12V
+9V REG
IC79
IC80
SYNC
BFP
ETX CAM
CN4
1 CHAR IN
2 SYNC OUT
3 GND
4 GND
5 +9V OUT
6 GND
7 KB15 SW OUT
TITLE
CN2
16 ID OUT
15 MASK IN
TO ANALOG BOARD (1/2) ···CN2
IC78 LATCH
Z5 D/A CONVERTER (R NETWORK)
Q17 Y AMP
YCK2
IC77 LATCH
Z4 D/A CONVERTER (R NETWORK)
Q16 CHROMA AMP
CN2
5 RECY OUT
4 GND
7 RECC OUT
6 GND
9 PRVY OUT
8 GND
11 PRVC OUT
10 GND
3 BB OUT
2 GND
TO ANALOG BOARD (2/2) ···CN5
PREVIEW Y
IC72 LATCH
Z2 D/A CONVERTER (R NETWORK)
Q14 Y AMP
VP
WHD
PREVIEW CHROMA
IC71 LATCH
Z1 D/A CONVERTER (R NETWORK)
Q13 CHROMA AMP
4FSC
REY0-7
REC0-7
PRY0-7
PRC0-7
112-119
103-110
71-78
62-69
125 124
BLACK BURST
IC74
Z3 D/A CONVERTER (R NETWORK)
Q15 BLACK BURST AMP
PRC2, PRC4-6
IC76 F.F
H
CP2
CLR
PRC-7
IC75
BLK
BFP
WHD
ADVANCE SYNC GENERATOR
IC88
GEN LOCK
IC90 SYNC GEN
Q27 LPF
PCHP
PCHN
X3
IC89
XFH
SCI
SCB
4FSC
X4SC
VI
VP
HI
WHD
HTRG
HDL
OSCI
OSCO
X4
PCSN
PCSP
LPF
Q29
IC84
EXSN
VR
IC91
SYNC
Q28
BSC
EXT
H
CN2
18 SYNC OUT
19 BFP OUT
20 NOT USED
23 GND
12 ADVR OUT
13 ADVS OUT
17 EXT SYNC IN
14 EXT CAM IN
TO ANALOG BOARD (2/2) ···CN5
CN2
23 GND
22 WHD OUT
21 VP OUT
TO ANALOG BOARD (1/2) ···CN2
TP8 (FSC)
SYNC
BFP
NBLK
WHD
VP

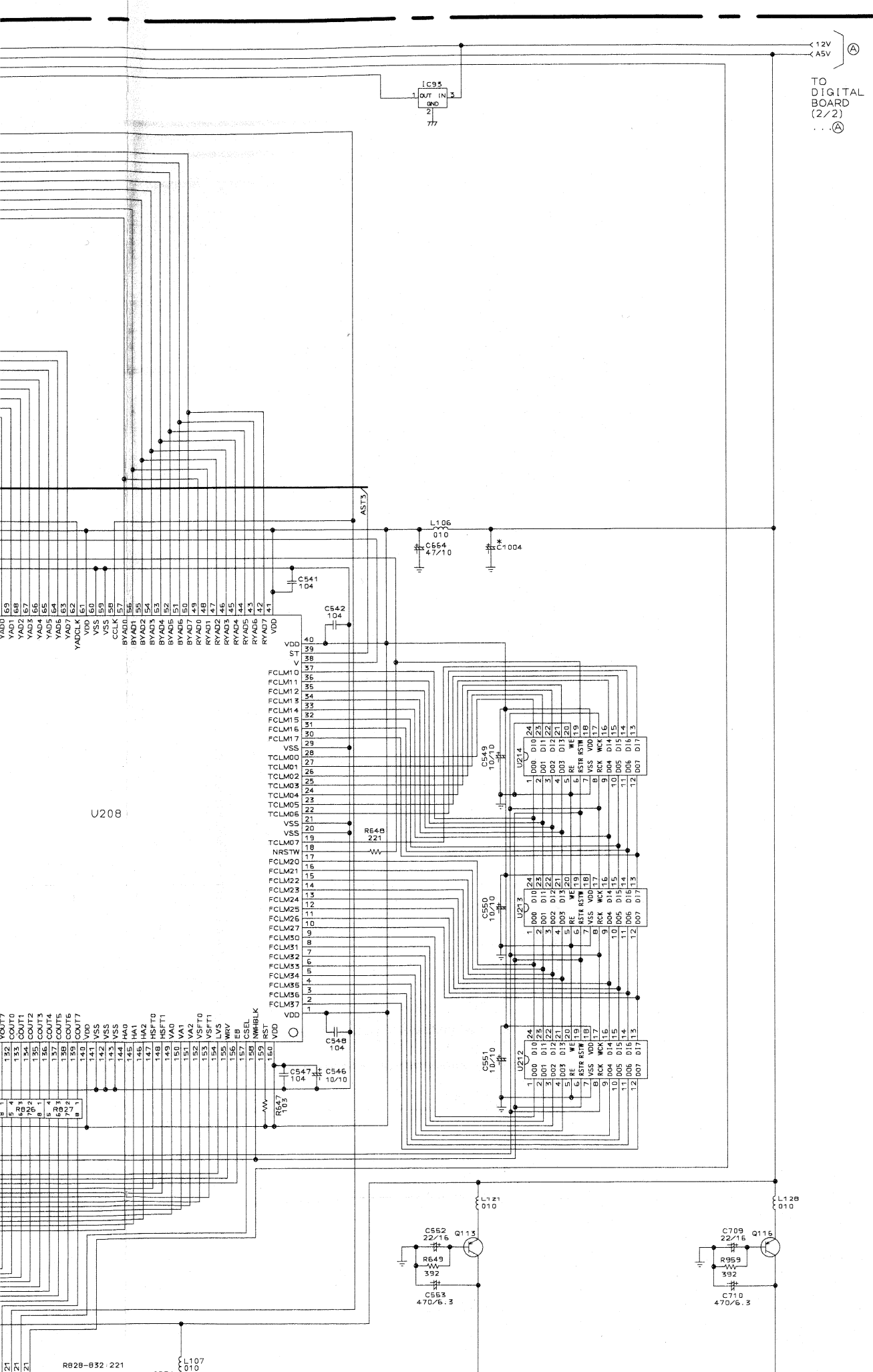
DIGITAL BOARD (1/2)




IC92
OUT
IN
GND
U233
L117
010
C622
47/10
C1005
C623
104
C624
104
C625
10/10
C626
104
C627
10/10
C628
104
C629
104
C630
10/10
R763
221
R762
105
U239
U237
IC5
Y1B
Y0B
Y1C
ZC
Y0C
E
GND
VCC
ZB
ZA
Y1A
Y0A
SA
SB
SC
C45
220
C46
220
R37
331
R36
331
C327
121
C328
121
C47
220
C48
220
R38
331
R39
331
L122
010
L127
010
C662
22/16
Q111
R875
392
C663
470/6.3
C707
22/16
Q115
R958
392
C708
470/6.3
R187
331
C162
330
R846
R847
R848
R849-853:221
L123

C DIAGRAM OF DIGITAL BOARD (1/2)

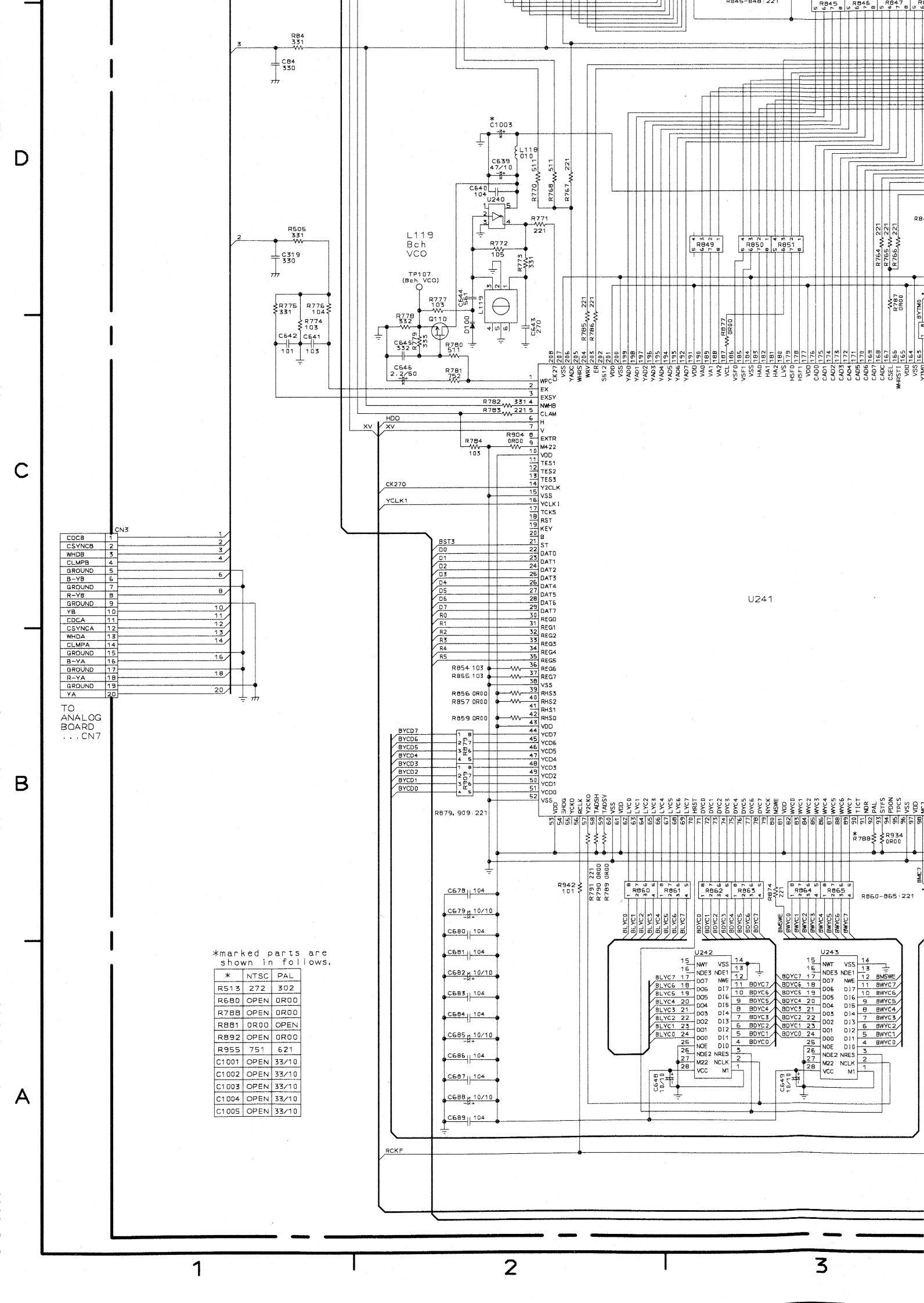




<Index>

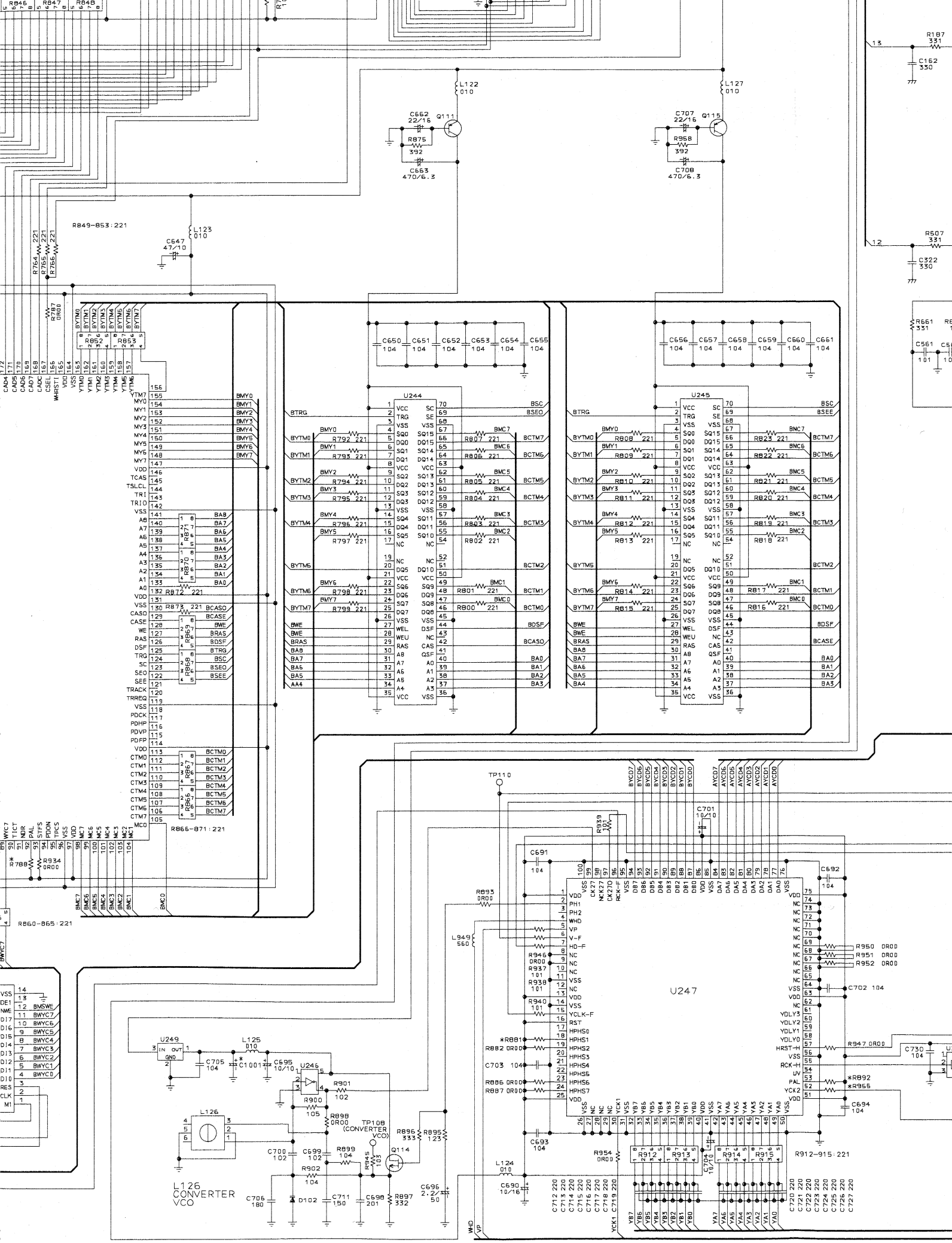
DIGITAL BOARD (1/2)

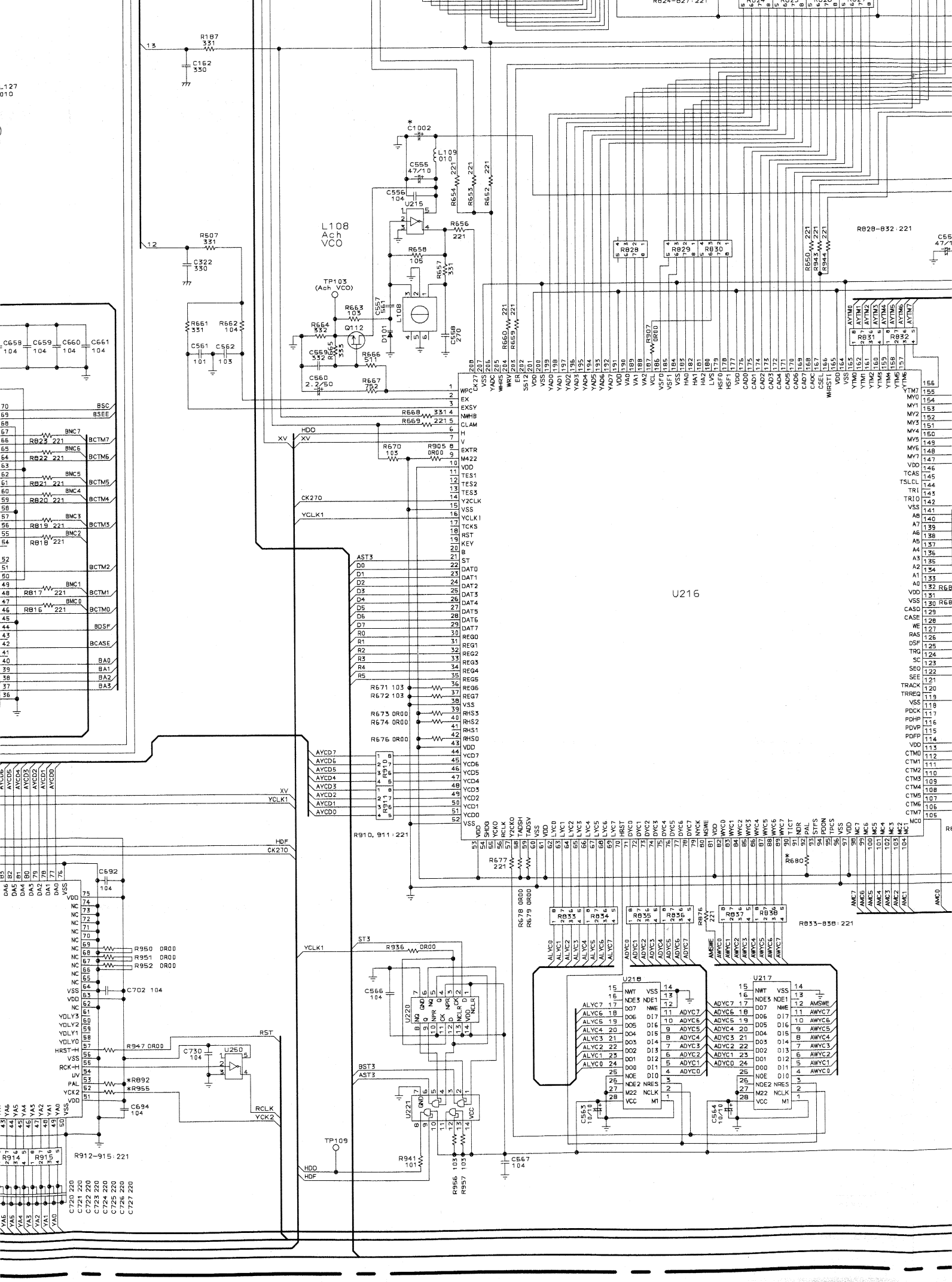
IC1	G1
IC2	G2
IC3	G3
IC4	G3
IC5	G6
IC6	G7
IC7	G7
IC8	G7
IC92	G4
IC93	G9
U208	E8
U209	E7
U210	E7
U211	E7
U212	E9
U213	E9
U214	E9
U215	D7
U216	C7
U217	A8
U218	A7
U220	A7
U221	A7
U223	C9
U224	C10
U233	E3
U234	E2
U235	E2
U236	E2
U237	E5
U238	E5
U239	E5
U240	D2
U241	C3
U242	A3
U243	A3
U244	C4
U245	C5
U246	A4
U247	A5
U249	A4
U250	A6
Q1	G2
Q2	G2
Q3	G2
Q4	G2
Q5	G7
Q6	G7
Q7	G6
Q8	G6
Q23	G2
Q24	G2
Q25	G7
Q26	G7
Q30	G6
Q31	G1
Q110	C2
Q111	D4
Q112	C6
Q113	D9
Q114	A4
Q115	D5

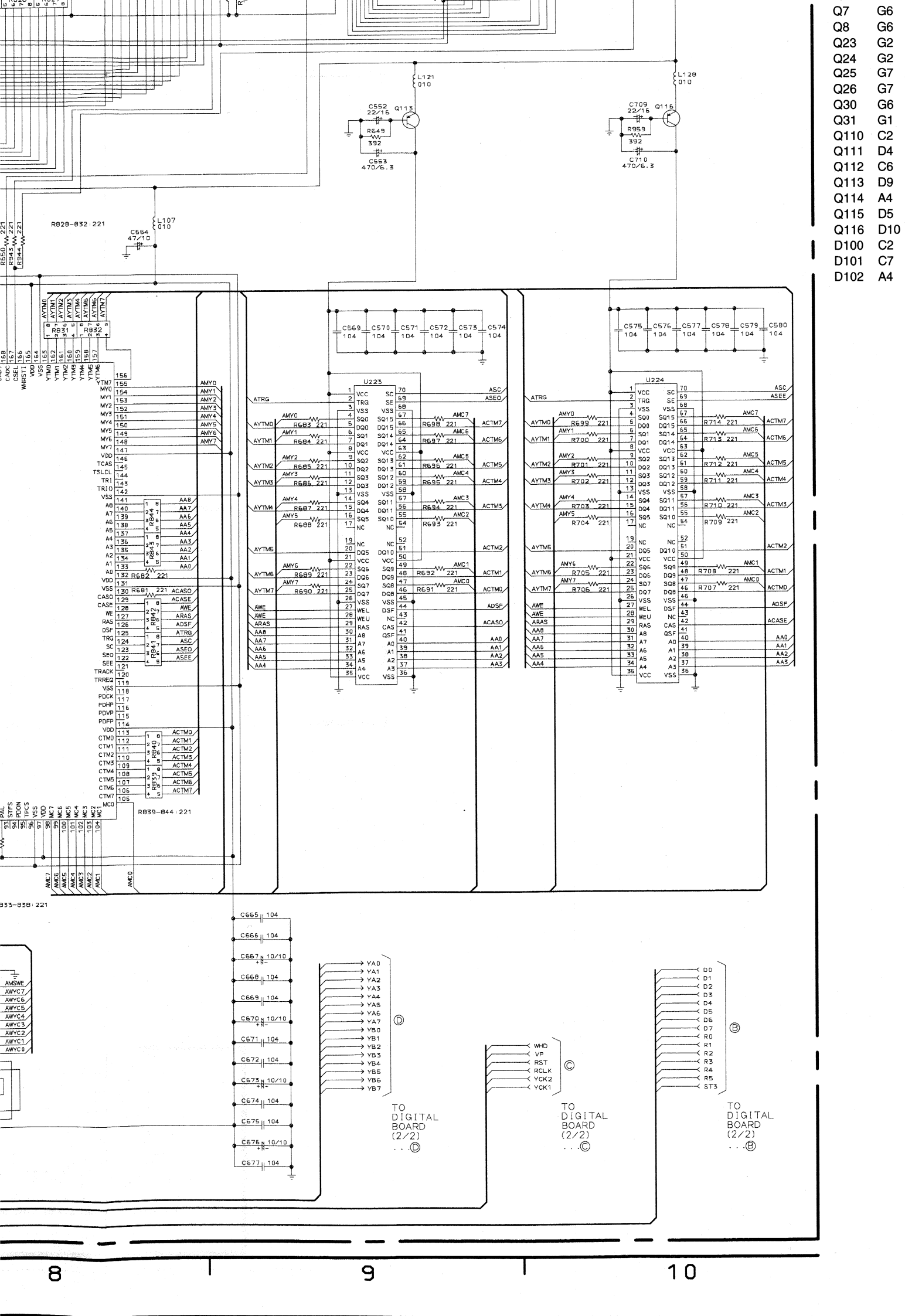


*marked parts are shown in follows.

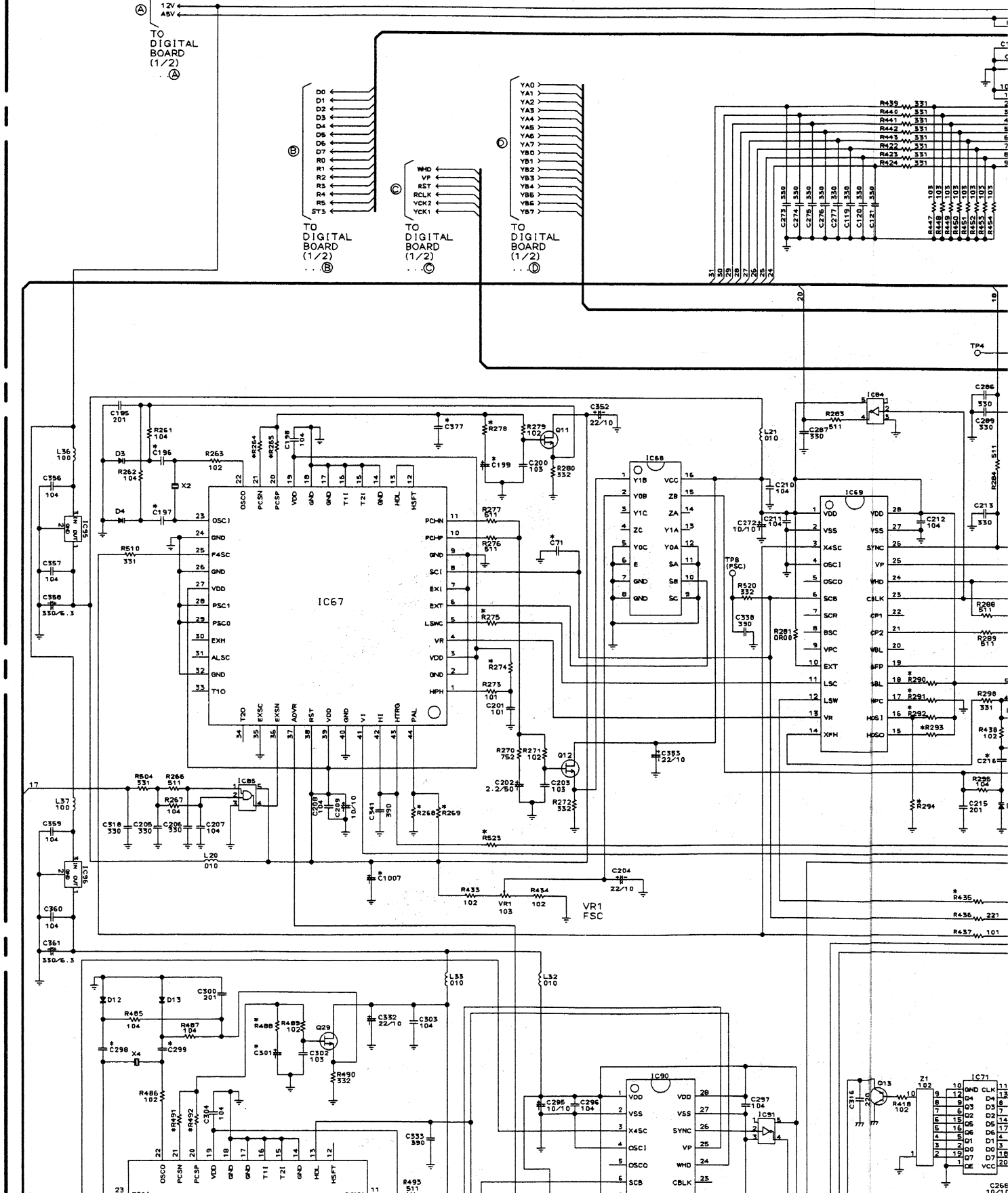
*	NTSC	PAL
R513	272	302
R680	OPEN	0R00
R788	OPEN	0R00
R881	0R00	OPEN
R892	OPEN	0R00
R955	751	621
C1001	OPEN	33/10
C1002	OPEN	33/10
C1003	OPEN	33/10
C1004	OPEN	33/10
C1005	OPEN	33/10


U244
U245
U247
L126
CONVERTER
VCO
TP110
TP108
(CONVERTER
VCO)
R849-853:221
R866-871:221
R860-865:221
R912-915:221

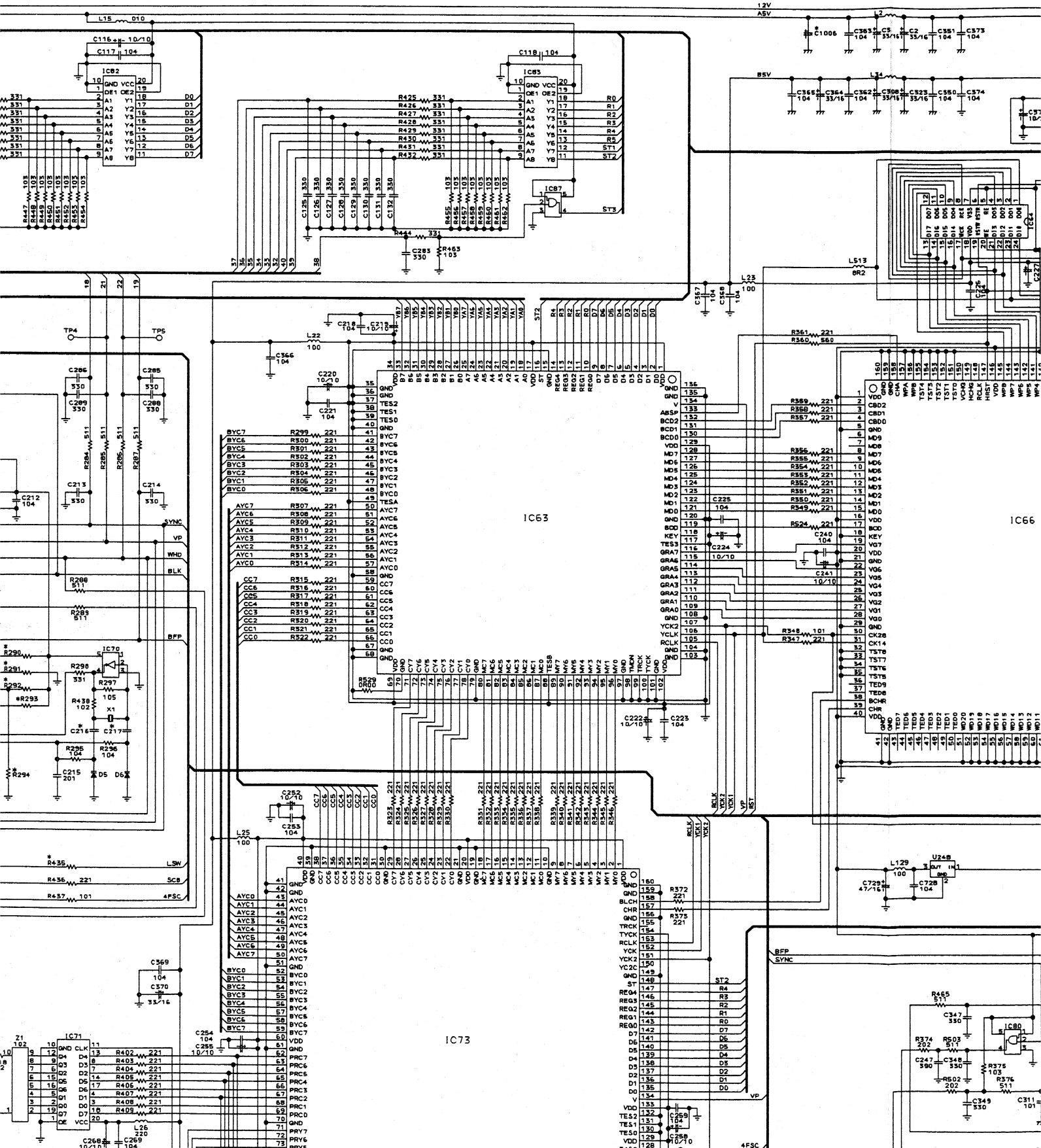

L108
Ach
VCO
U216
U218
U217
U220
U221
U250
Q112
TP103
(Ach VCO)
TP109
R187 331
C162 330
R507 331
C322 330
C1002
L109 010
C555 47/10
C556 104
U215
R654 221
R653 221
R652 221
R656 221
R658 105
R657 331
C557 56
C558 270
R663 103
R664 332
R665 331
R666 511
C559 332
C560 2.2/50
R667 752
R661 331
R662 104
C561 101
C562 103
R668 331
R669 221
R670 103
R905 0R00
R671 103
R672 103
R673 0R00
R674 0R00
R676 0R00
R677 221
R680
R910, 911 : 221
R828 75
R829 75
R830 75
R828-832 : 221
R907 0R00
R831 75
R832 75
R833-838 : 221
R833
R834
R835
R836
R837
R838
R876 221
R823 221
R822 221
R821 221
R820 221
R819 221
R818 221
R817 221
R816 221
C658 104
C659 104
C660 104
C661 104
C692 104
R950 0R00
R951 0R00
R952 0R00
C702 104
R947 0R00
C730 104
*R892
*R955
C694 104
R912~915 : 221
R914
R915
C720 220
C721 220
C722 220
C723 220
C724 220
C725 220
C726 220
C727 220
R936 0R00
C566 104
C563 1.0/10
C564 1.0/10
C567 104
R941 101
R956 103
R957 103
XV
YCLK1
HDF
CK270
HDD
RST
RCLK
YCK2
BST3
AST3
ST3
BSC
BSEE
BCTM7
BCTM6
BCTM5
BCTM4
BCTM3
BCTM2
BCTM1
BCTM0
BDSF
BCASE
BA0
BA1
BA2
BA3
BMC7
BMC6
BMC5
BMC4
BMC3
BMC2
BMC1
BMC0
AYCD7
AYCD6
AYCD5
AYCD4
AYCD3
AYCD2
AYCD1
AYCD0
AMC7
AMC6
AMC5
AMC4
AMC3
AMC2
AMC1
AMC0
6
7
8

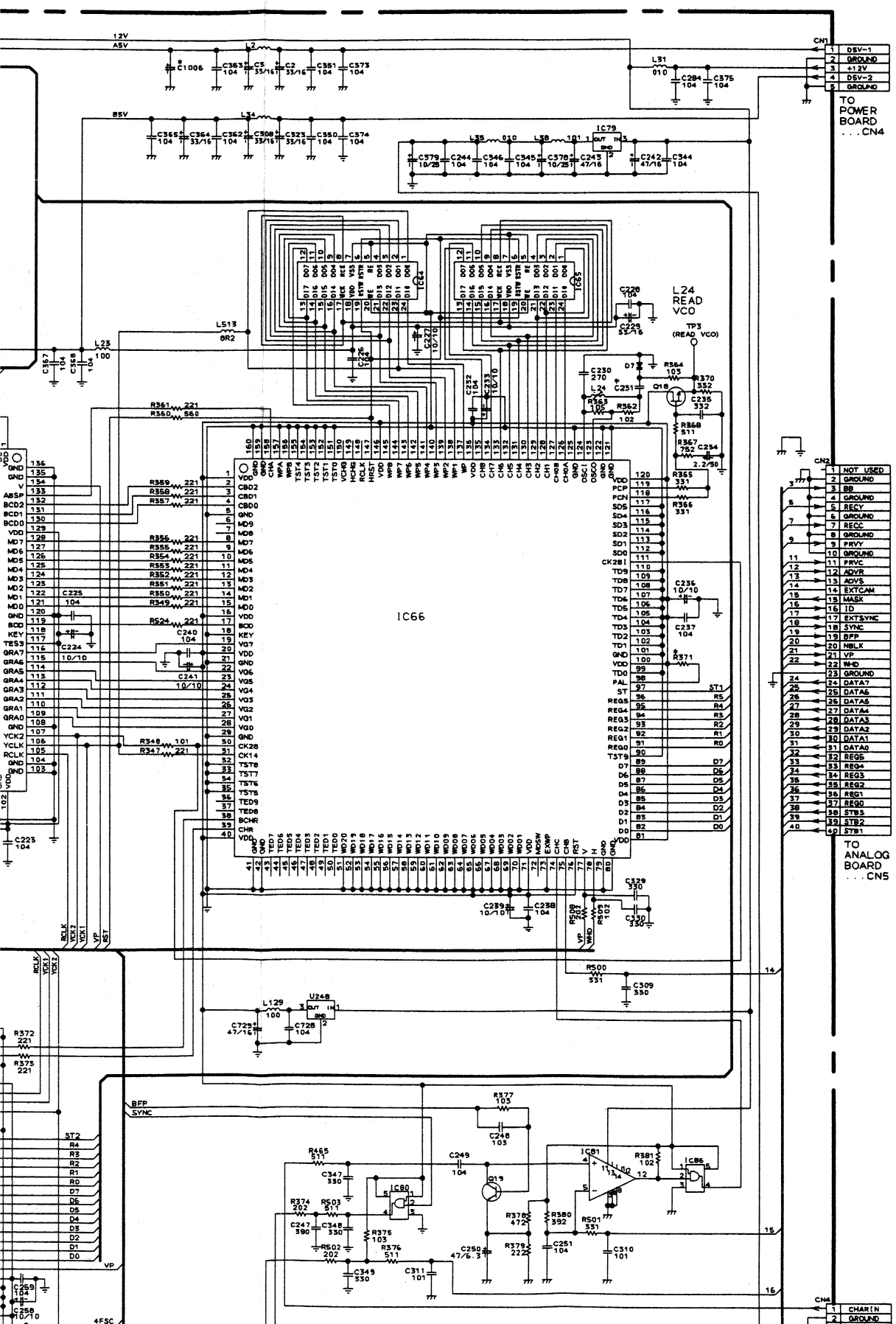

Q7 G6
Q8 G6
Q23 G2
Q24 G2
Q25 G7
Q26 G7
Q30 G6
Q31 G1
Q110 C2
Q111 D4
Q112 C6
Q113 D9
Q114 A4
Q115 D5
Q116 D10
D100 C2
D101 C7
D102 A4
L121 010
L128 010
L107 010
C552 22/16
Q113
R649 392
C553 470/6.3
C709 22/16
Q116
R959 392
C710 470/6.3
C554 47/10
R828-832 221
R650 221
R943 221
R944 221
R831
R832
C569 104
C570 104
C571 104
C572 104
C573 104
C574 104
C575 104
C576 104
C577 104
C578 104
C579 104
C580 104
U223
U224
R682 221
R681 221
R839-844 221
C665 104
C666 104
C667 10/10
C668 104
C669 104
C670 10/10
C671 104
C672 104
C673 10/10
C674 104
C675 104
C676 10/10
C677 104
TO DIGITAL BOARD (2/2) ..Ⓓ
TO DIGITAL BOARD (2/2) ..Ⓒ
TO DIGITAL BOARD (2/2) ..Ⓑ
8
9
10

DIGITAL BOARD (2/2)



SCHEMATIC DIAGRAM OF DIGITAL BOARD (2/2)

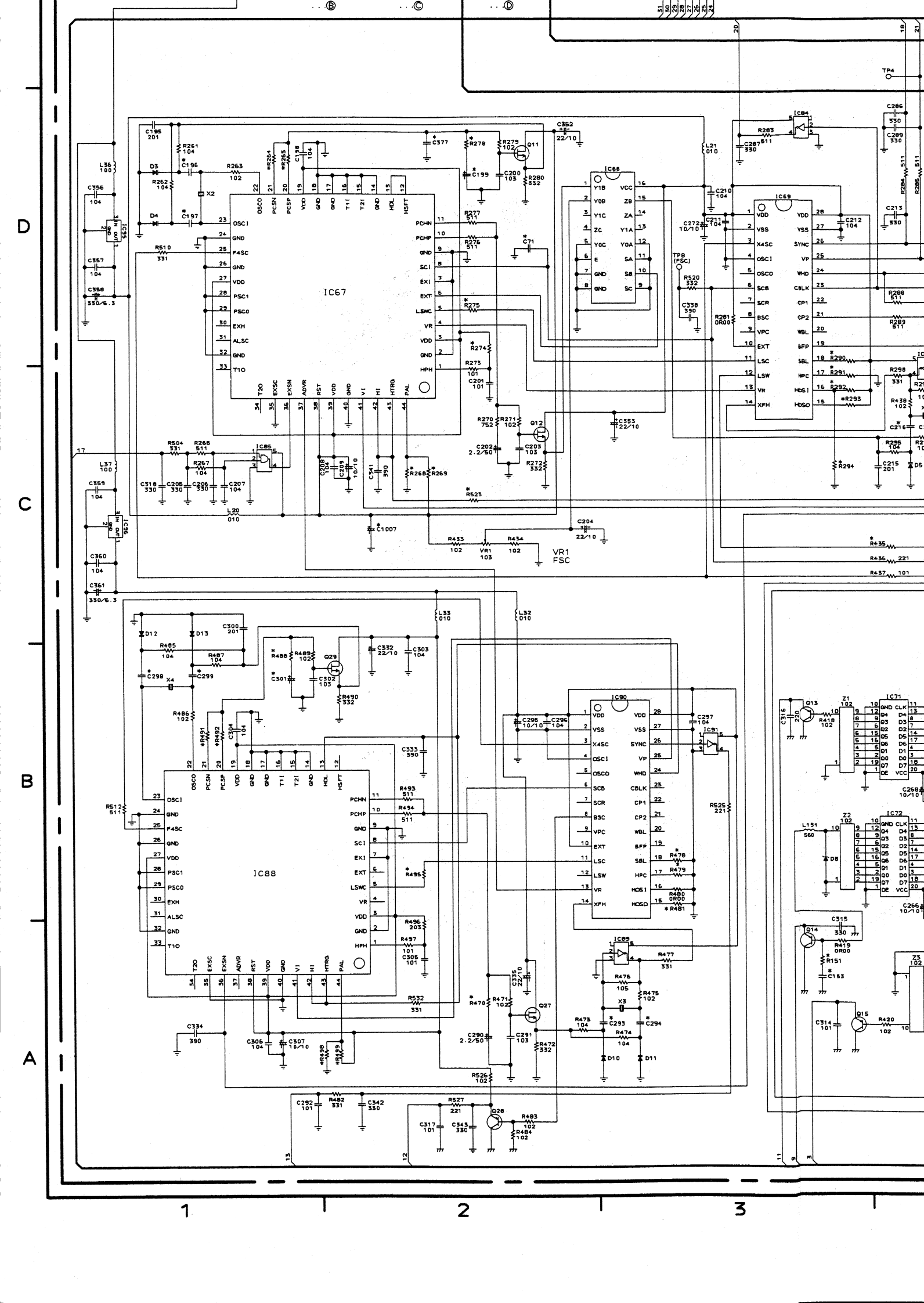




<Index>

DIGITAL BOARD (2/2)

IC63	D5
IC64	E7
IC65	E7
IC66	D7
IC67	D2
IC68	D3
IC69	D3
IC70	C4
IC71	B4
IC72	B4
IC73	B5
IC74	A4
IC75	A4
IC76	A4
IC77	A5
IC78	A5
IC79	E7
IC80	B7
IC81	B7
IC82	E4
IC83	E5
IC84	D3
IC85	C1
IC86	B7
IC87	E5
IC88	B1
IC89	A3
IC90	B3
IC91	B3
IC95	D1
IC96	C1
U248	C6
Q11	D2
Q12	C2
Q13	B3
Q14	A3
Q15	A3
Q16	A5
Q17	A5
Q18	E7
Q19	B7
Q27	A2
Q28	A2
Q29	B2
D3	D1
D4	D1
D5	C4
D6	C4
D7	E7
D8	B3
D9	A5
D10	A3
D11	A3
D12	C1
D13	C1


IC67
IC88
IC68
IC69
IC90
IC91
IC84
IC85
IC86
IC87
IC89
IC71
IC72
Q11
Q12
Q27
Q28
Q29
Q13
Q14
Q15
VR1
FSC
TP4
TP8 (FSC)
D3
D4
D5
D8
D10
D11
D12
D13
X2
X3
X4
Z1
Z2
Z3
L36 100
L37 100
L20 010
L21 010
L32 010
L33 010
L151 560
C1007
C1008
C1009
C1010
C1011
C1012
C1013
C1014
C1015
C1016
C1017
C1018
C1019
C1020
C1021
C1022
C1023
C1024
C1025
C1026
C1027
C1028
C1029
C1030
C1031
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C1033
C1034
C1035
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C1038
C1039
C1040
C1041
C1042
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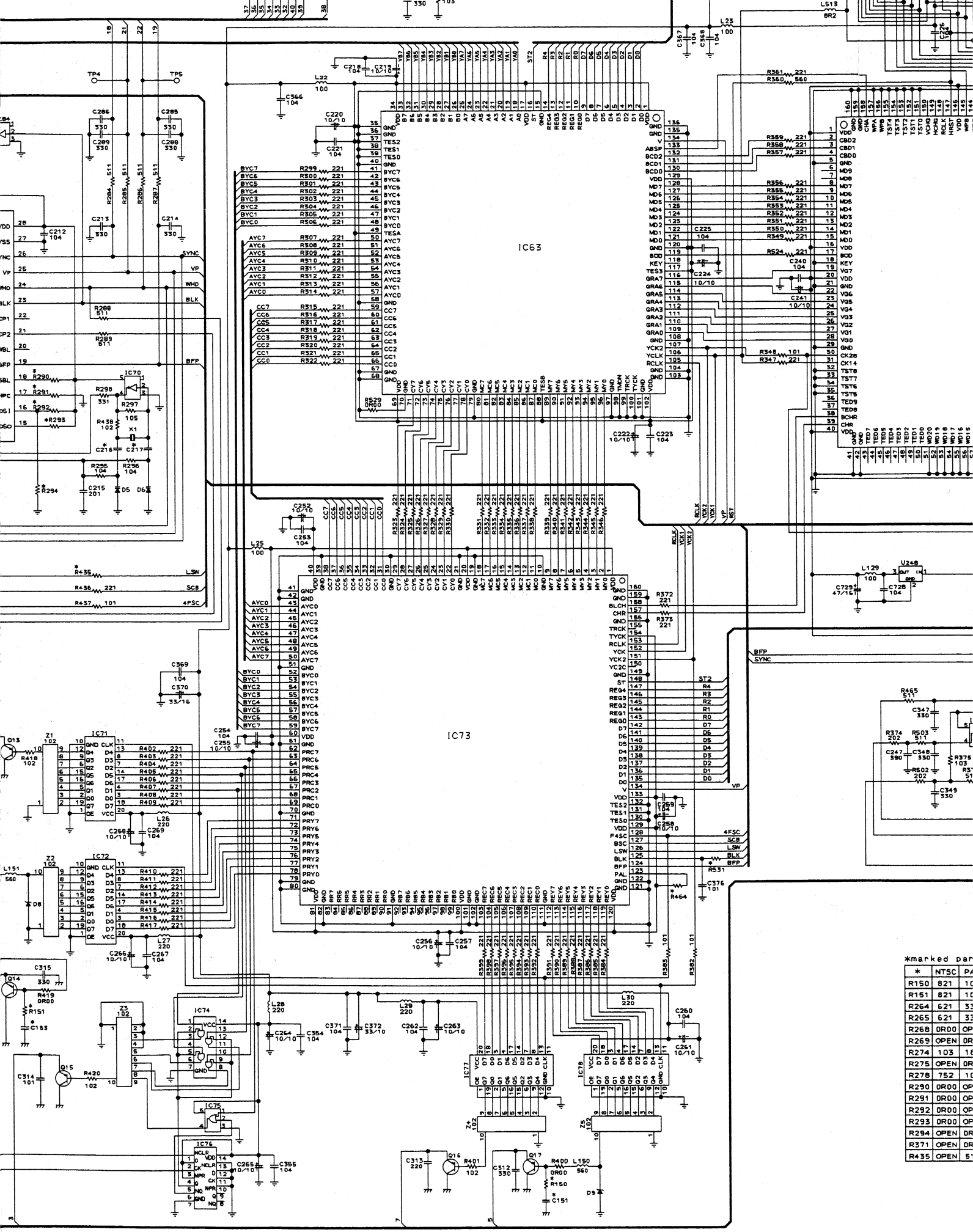
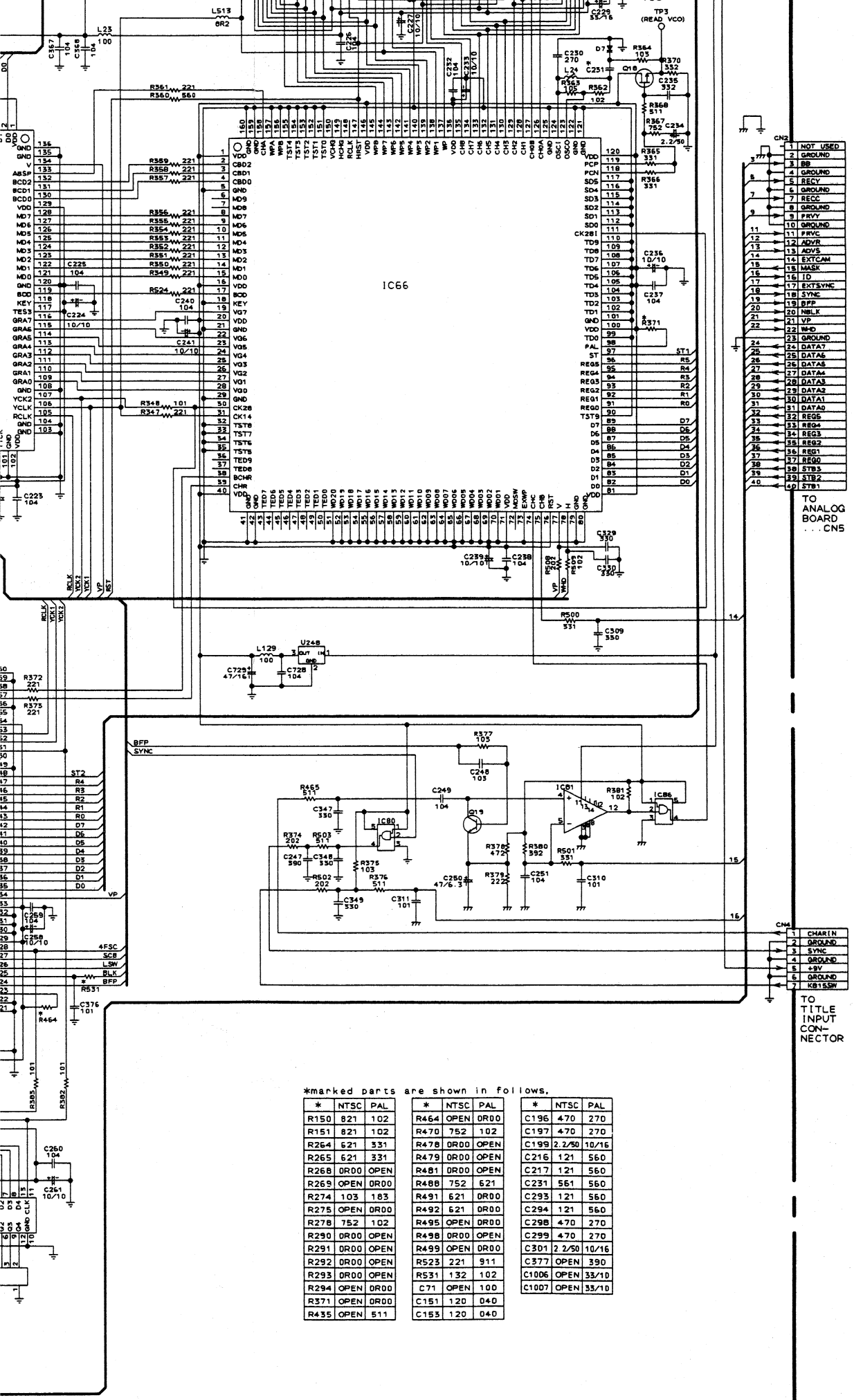
C1044
C1045
C1046



*marked par

*	NTSC	PA
R150	821	10
R151	821	10
R264	621	33
R265	621	33
R268	0R00	OP
R269	OPEN	0R
R274	103	15
R275	OPEN	0R
R278	752	10
R290	0R00	OP
R291	0R00	OP
R292	0R00	OP
R293	0R00	OP
R294	OPEN	0R
R371	OPEN	0R
R435	OPEN	51



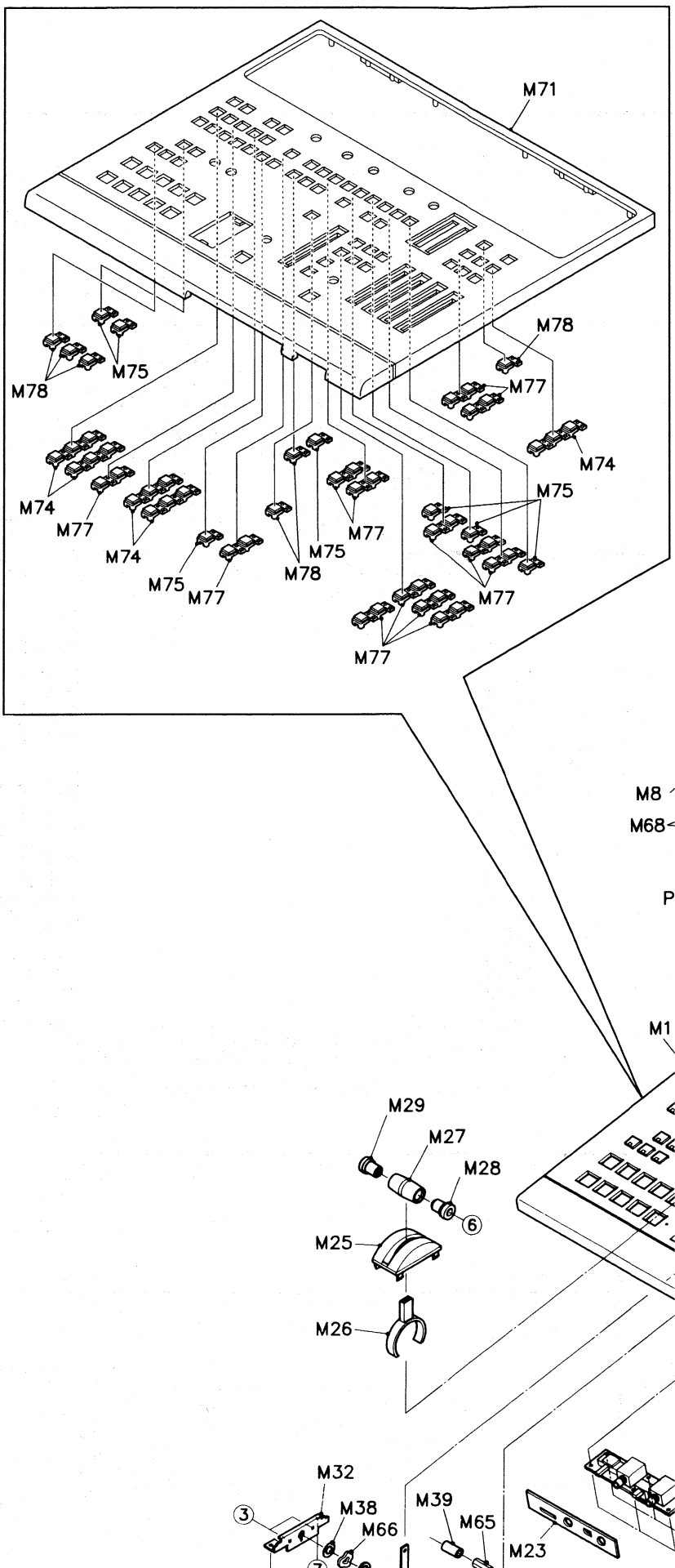
IC75	A4
IC76	A4
IC77	A5
IC78	A5
IC79	E7
IC80	B7
IC81	B7
IC82	E4
IC83	E5
IC84	D3
IC85	C1
IC86	B7
IC87	E5
IC88	B1
IC89	A3
IC90	B3
IC91	B3
IC95	D1
IC96	C1
U248	C6
Q11	D2
Q12	C2
Q13	B3
Q14	A3
Q15	A3
Q16	A5
Q17	A5
Q18	E7
Q19	B7
Q27	A2
Q28	A2
Q29	B2
D3	D1
D4	D1
D5	C4
D6	C4
D7	E7
D8	B3
D9	A5
D10	A3
D11	A3
D12	C1
D13	C1

*marked parts are shown in follows.

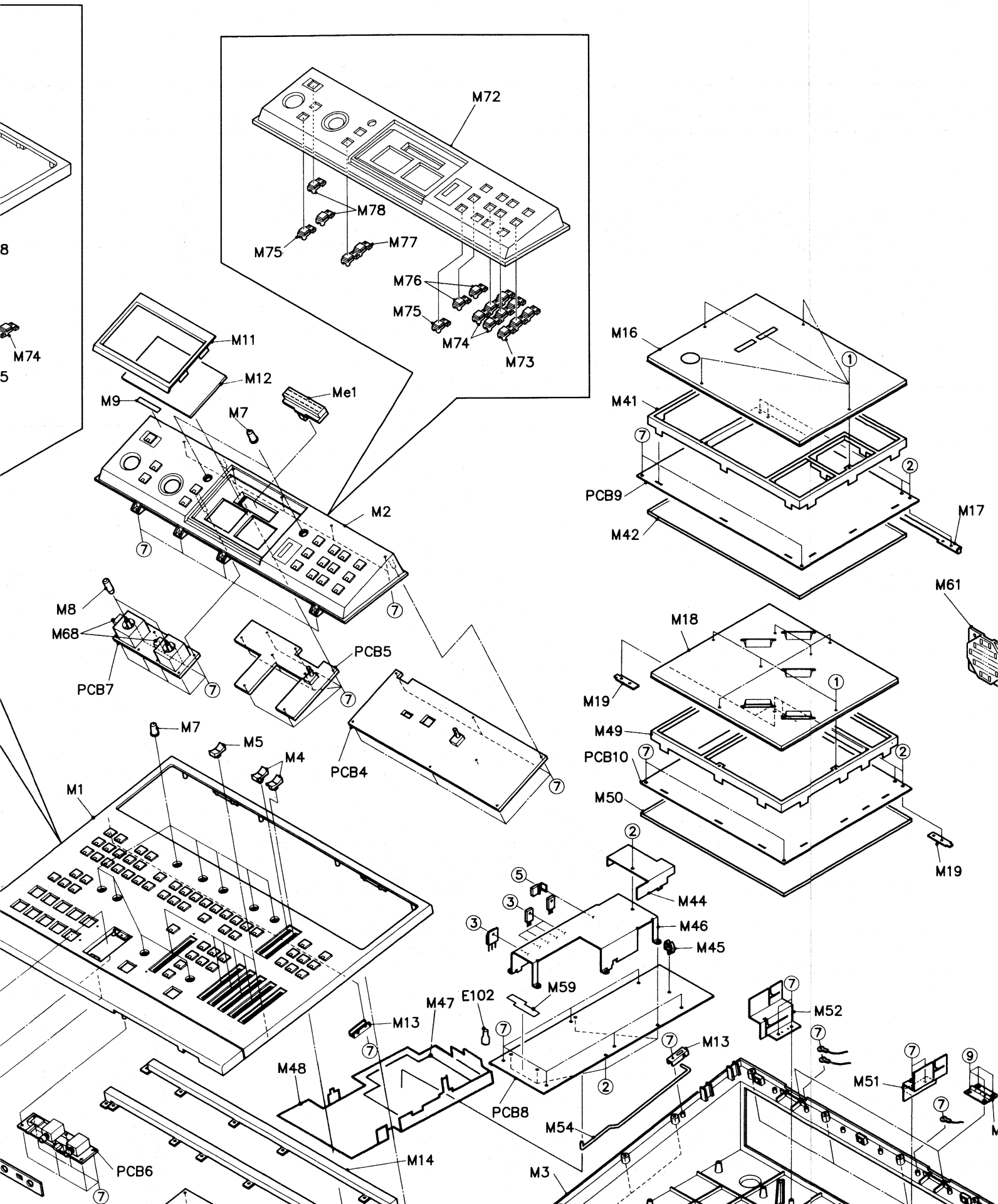
*	NTSC	PAL
R150	821	102
R151	821	102
R264	621	331
R265	621	331
R268	0R00	OPEN
R269	OPEN	0R00
R274	103	183
R275	OPEN	0R00
R278	752	102
R290	0R00	OPEN
R291	0R00	OPEN
R292	0R00	OPEN
R293	0R00	OPEN
R294	OPEN	0R00
R371	OPEN	0R00
R435	OPEN	511

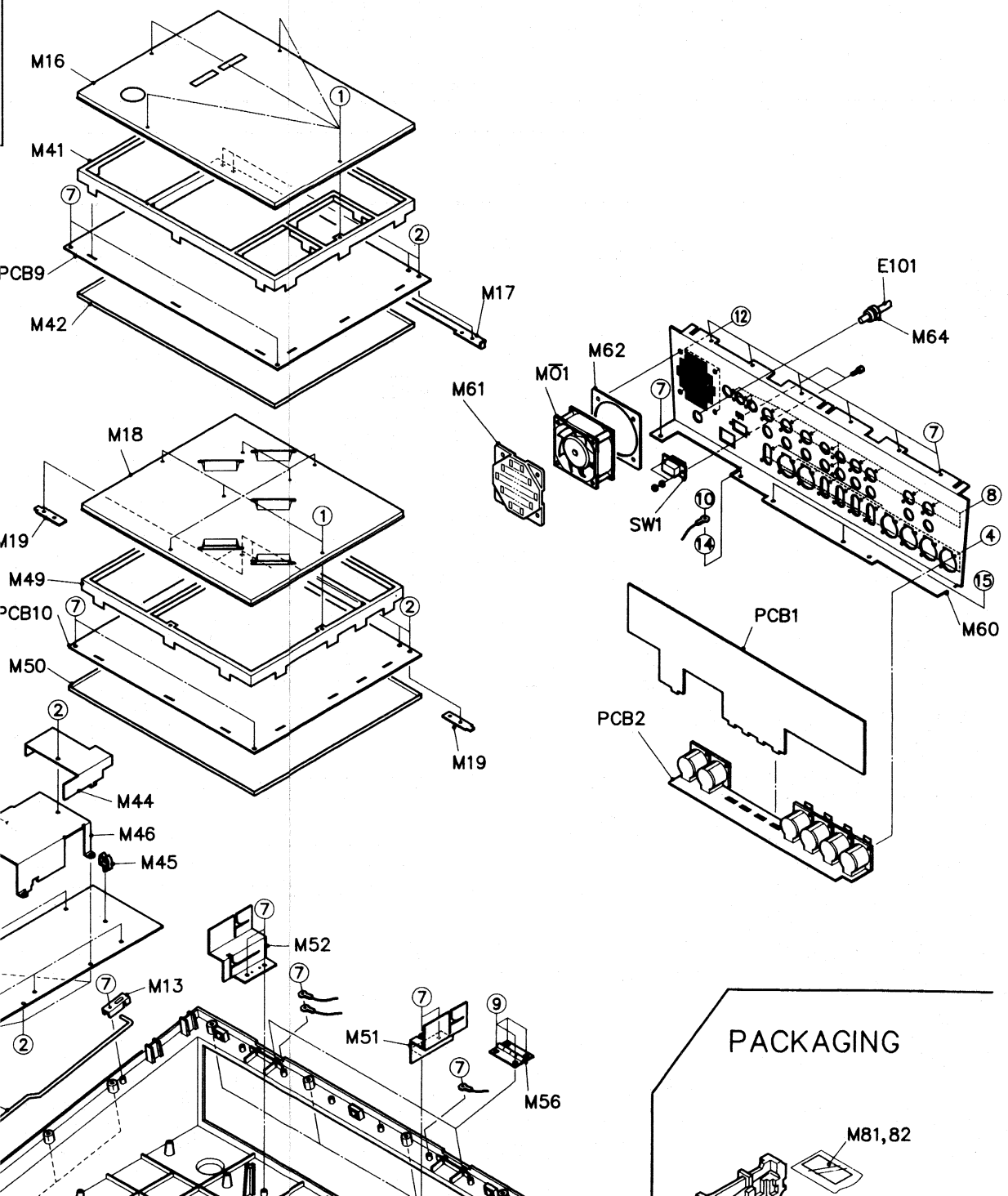
*	NTSC	PAL
R464	OPEN	0R00
R470	752	102
R478	0R00	OPEN
R479	0R00	OPEN
R481	0R00	OPEN
R488	752	621
R491	621	0R00
R492	621	0R00
R495	OPEN	0R00
R498	0R00	OPEN
R499	OPEN	0R00
R523	221	911
R531	132	102
C71	OPEN	100
C151	120	040
C153	120	040

*	NTSC	PAL
C196	470	270
C197	470	270
C199	2.2/50	10/16
C216	121	560
C217	121	560
C231	561	560
C293	121	560
C294	121	560
C298	470	270
C299	470	270
C301	2.2/50	10/16
C377	OPEN	390
C1006	OPEN	33/10
C1007	OPEN	33/10


M71
M78
M75
M78
M77
M74
M74
M77
M74
M75
M77
M75
M78
M77
M75
M77
M77
M8
M68
P
M1
M29
M27
M28
6
M25
M26
M32
3
M38
M66
M39
M65
M23

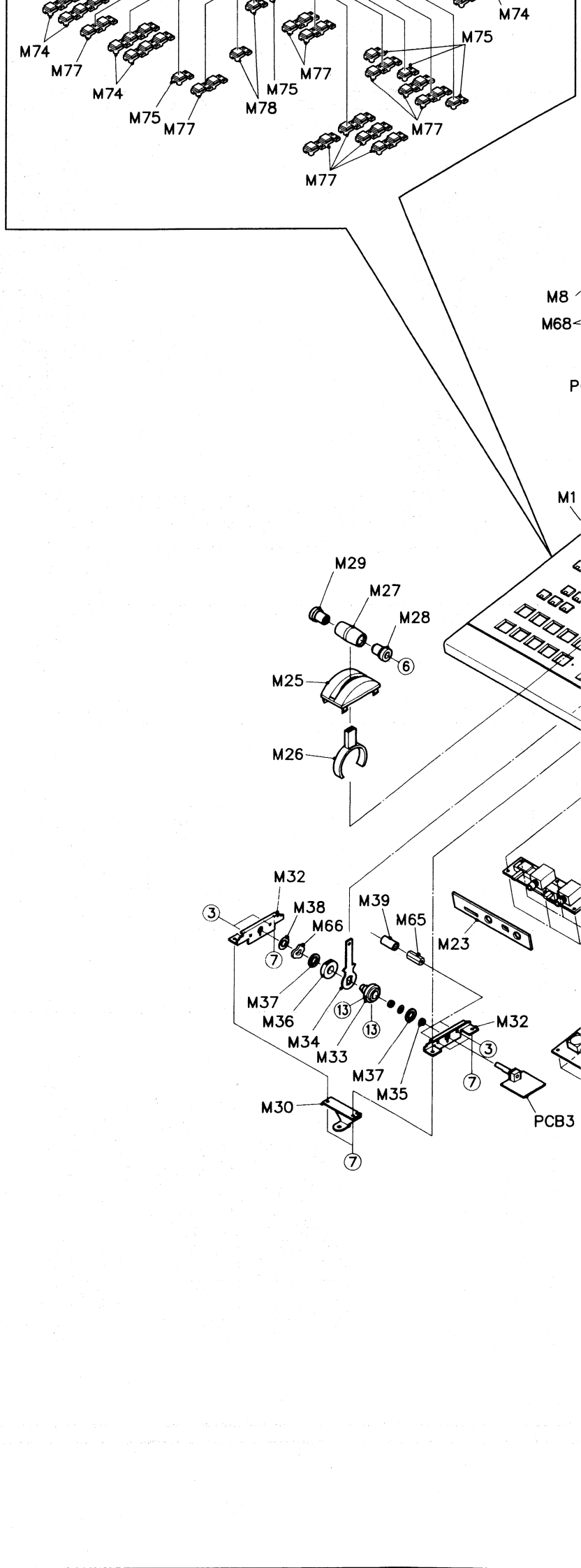
EXPLODED VIEW

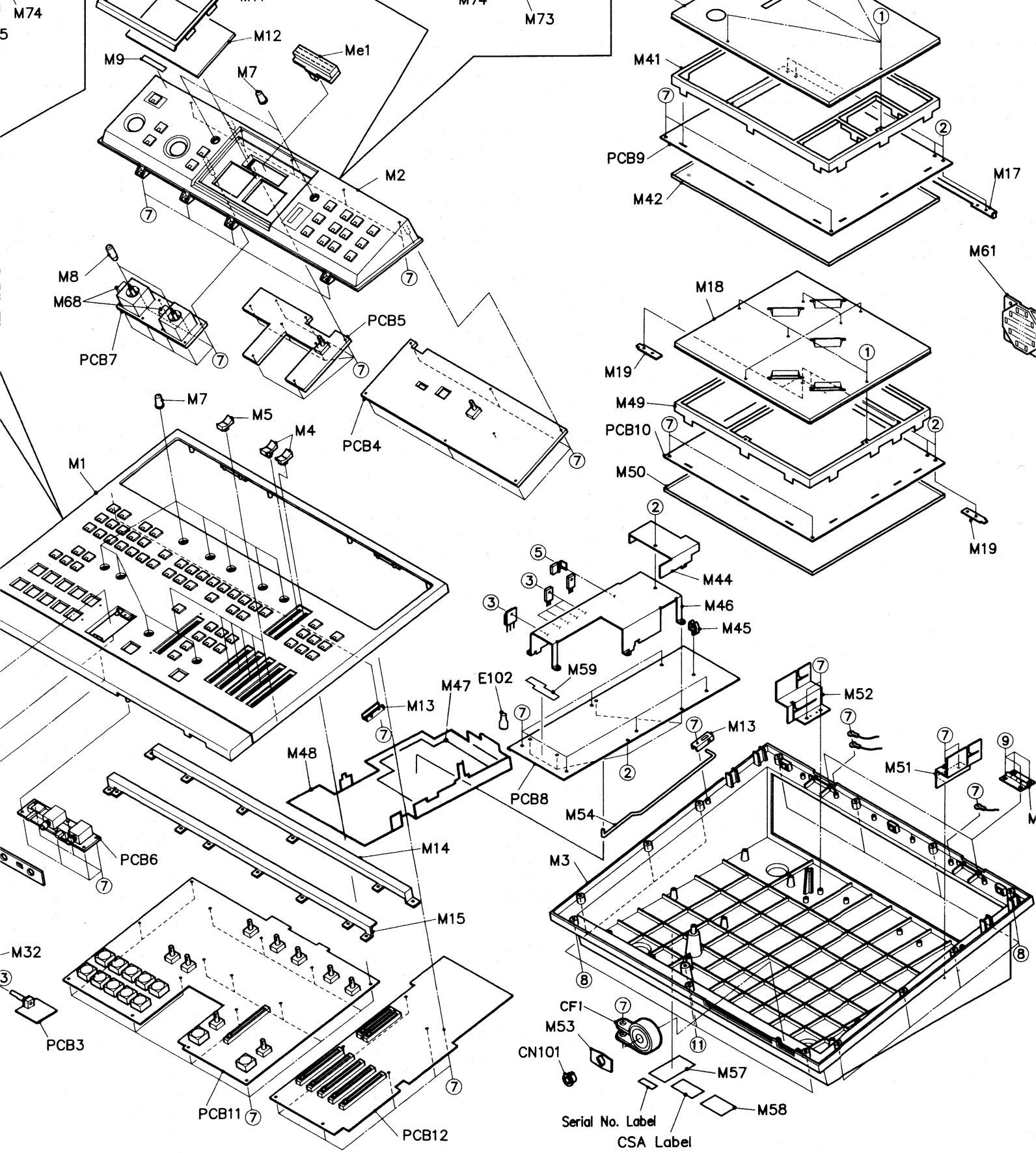


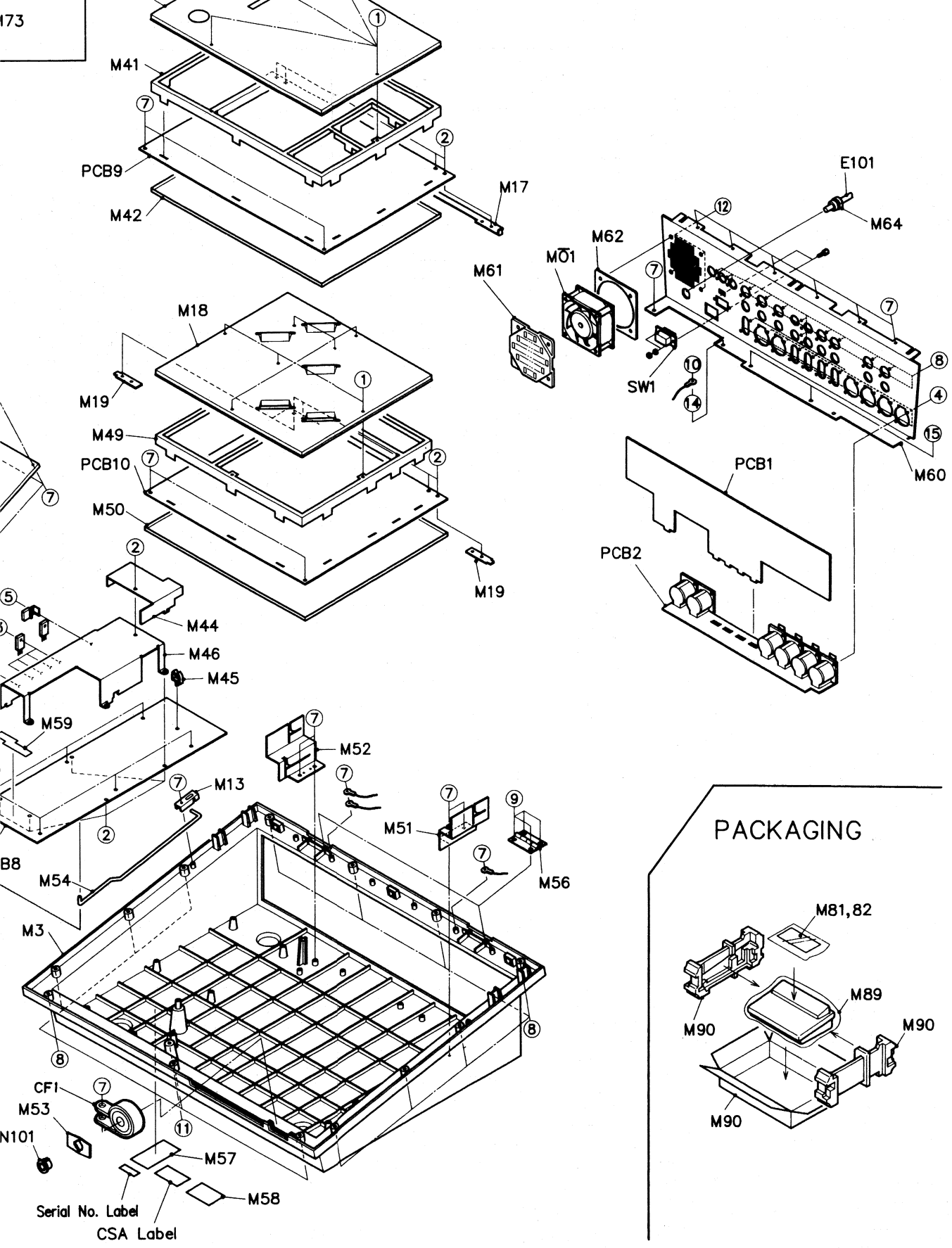

M16
M41
PCB9
M42
M17
M18
M19
M49
PCB10
M50
M19
M44
M46
M45
M52
M13
M51
M56
M61
M01
M62
E101
M64
SW1
M60
PCB1
PCB2

PACKAGING

M81, 82


M74
M77
M74
M75
M77
M78
M75
M77
M74
M75
M77
M77
M8
M68
P
M1
M29
M27
M28
6
M25
M26
M32
3
M38
M66
7
M37
M36
13
M34
13
M33
M39
M65
M23
M32
3
7
M37
M35
M30
7
PCB3


M74
M73
M12
Me1
M9
M7
M2
M41
PCB9
M42
M17
M61
M8
M68
PCB7
PCB5
PCB4
M18
M19
M49
PCB10
M50
M19
M7
M5
M4
M1
M44
M46
M45
M59
M47
E102
M13
M48
PCB8
M52
M51
M54
M14
PCB6
M3
M15
M32
PCB3
CF1
M53
CN101
M57
M58
Serial No. Label
CSA Label
PCB11
PCB12


M41
PCB9
M42
M17
E101
M64
M62
M01
M61
M18
M19
M49
PCB10
M50
M19
SW1
PCB1
PCB2
M60
M44
M46
M45
M59
M52
M13
M51
M56
M54
M3
CF1
M53
N101
M57
M58
Serial No. Label
CSA Label

PACKAGING

M81,82
M89
M90
M90
M90

REPLACEMENT PARTS LIST

Important Notice

1. Components identified by " ⚠ " mark have special characteristic important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. RTL : Retention Time Limited.

REF.NO.		PART NO.	DESCRIPTION
MISCELLANEOUS			
MO1		YWFBA06A12LD	DC Motor
Me1		YWLI1244	Level Meter Unit
CF1		YWTRCN16816	Filter for WJ-MX50A/B/G
F101	⚠	XBA1C31NU100	Current Fuse for WJ-MX50A/USA/CANADA 3.15A 125V
		XBA2C25ET0A	Current Fuse for WJ-MX50A/B/G 2.5A 250V
E101	⚠	YWKP30SVT204	AC Power Cable for WJ-MX50A/USA
		YWKP30SJT204	AC Power Cable for WJ-MX50A/CANADA
		YWGTBS2R5B	AC Power Cable for WJ-MX50A/B
		YWACJ450/GA	AC Power Cable for WJ-MX50A/G
E102		YFCD20ACCAP	Insulator Cap
SW1		YWSEP2A01BBM	Seesaw Switch
CN101		YWD0111N618	10-pin Title Connector
M1		YWV0MC0112AN	Upper Cover Mechanical Ass'y for WJ-MX50A/USA/CANADA
		YWV0MD0112AN	Uper Cover Mechanical Ass'y for WJ-MX50A/B/G
M2		YWV0MC0113AN	Meter Case Mechanical Ass'y for WJ-MX50A/USA/CANADA
		YWV0MD0113AN	Meter Case Mechanical Ass'y for WJ-MX50A/B/G
M3		YWV9AA0781AN	Bottom Cover Ass'y
M4		YWV5RA0371A3	Slide VR Knob A
M5		YWV5RB0335A3	Slide VR Knob B
M7		YWV5RA0372A3	VR Knob
M8		YWV5RA0334A3	Knob
M9		YWV7PA0093A3	Badge
M11		YWV5EA1153A2	Cover
M12		YWV5WA1396A4	Sheet
M13		YWV2SA2284A4	Hook Mounting Angle
M14		YWV3BA0101A2	Supporting Angle A
M15		YWV3BA0102A2	Supporting Angle B
M16		YWV2HA1042A2	Shield Parts for Analog Board
M17		YWV2SA2280A3	Mounting Angle for Analog Board
M18		YWV2HA1043A2	Shield Parts for Digital Board
M19		YWV2SA2281A4	Mounting Angle for Digital Board
M23		YWV5WA1397A3	Mic Panel
M25		YWV5EA1150A3	Fader Cover
M26		YWV5EA1151A3	Fader Lever Cover
M27		YWV5JA0082A3	Fader Grip
M28		YWV5GA0128A4	Fader Cap A
M29		YWV5GA0129A4	Fader Cap B
M30		YWV2SA2303A4	Fader Lever Mounting Angle
M32		YWV2KA0778A4	Fader Lever Chassis
M33		YWV4HA0192A3	Fader Shaft
M34		YWV4RA0103A4	Fader Lever
M35		YWV2NA0399A4	Fader Spacer
M36		YWV1FA0074A4	Fader Nut
M37		YWV1KA0151A4	Fader Washer A
M38		YWV1KA0152A4	Fader Washer B
M39		YWV5GA0130A4	Cap
M41		YWV2HA1044A1	Shield Parts for Analog Board
M42		YWV2HA1045A2	Shield Parts for Analog Board
M44		YWV2PA0529A3	Insulator
M45		YWUAMS11V0	Cord Clamp for Power Board
M46		YWV7DA0328A2	Heat Sink for Power Board
M47		YWV2PA0539A3	Insulator for Power Board for WJ-MX50A/B/G
M48		YWV2HA1050A2	Shield Parts for Power Board for WJ-MX50A/B/G
M49		YWV2HA1046A1	Shield Parts for Digital Board
M50		YWV2HA1047A2	Shield Parts for Digital Board
M51		YWV2SA2278A3	Mounting Angle A
M52		YWV2SA2279A3	Mounting Angle B
M53		YWV5WA1398A4	Title Panel
M54		YWV2SA2282B4	Hook L
M56		YWTHTMN086	Hinge
M57	⚠	YW7Z1A013A	Main Label for WJ-MX50A/USA
		YW7Z1A014A	Main Label for WJ-MX50A/CANADA
		YW7Z1A015A	Main Label for WJ-MX50A/B
		YW7Z1A016A	Main Label for WJ-MX50A/G
M58		YWV7MA0464A4	DOC Label for WJ-MX50A/CANADA
M59		YW7G1A804A	Fuse Replacement Label for WJ-MX50A/CANADA
M60		YWV5EA1168A1	Rear Panel for WJ-MX50A/USA/B/G
		YWV5EB1168B1	Rear Panel for WJ-MX50A/CANADA
M61		YWV2SA2377A4	Fan Mounting Angle
M62		YWV2NA0400A4	Fan Spacer
M64		YWSR5N4	Cord Clamp for WJ-MX50A/USA
		YWSR6N3-4	Cord Clamp for WJ-MX50A/CANADA
		YWSR6W1	Cord Clamp for WJ-MX50A/B/G
M65		YWMASB320	Hexagon Spacer
M66		YWV4JA0446A4	Wave Washer
M68		YWV2HA1094A4	Shield Parts for Posi Board
M71		YWV9AC0779AN	Upper Cover Ass'y for WJ-MX50A/USA/CANADA
		YWV9AD0779AN	Upper Cover Ass'y for WJ-MX50A/B/G
M72		YWV9AA0782BN	Meter Case Ass'y for WJ-MX50A/USA/CANADA
		YWV9AB0782BN	Meter Case Ass'y for WJ-MX50A/B/G
M73		YWV5RB0373A2	Switch Button (Three in one, Blue)
M74		YWV5RA0373A2	Switch Button (Three in one, White)
M75		YWV5RA0375A2	Switch Button (White)
M76		YWV5RA0376A2	Switch Button (White)
M77		YWV5RA0374A2	Switch Button (Two in one, White)
M78		YWV5RB0375A2	Switch Button (Gray)

REF.NO.	PART NO.	DESCRIPTION
REAR-1 BOARD		
PCB1	YWJKBMX50P2A	Printed Board Refer to Replacement Parts List for WJ-MX50.
REAR-2 BOARD		
PCB2	YWJKCMX50P2A	Printed Board Refer to Replacement Parts List for WJ-MX50.
WIPE BOARD		
PCB3	YWJKZMX50P6A	Printed Board Refer to Replacement Parts List for WJ-MX50.
METER-1 BOARD		
PCB4 (RLT)	YWJKBMX50P1A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
METER-2 BOARD		
PCB5 (RLT)	YWJKCMX50P1A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
JACK BOARD		
PCB6 (RLT)	YWJKDMX50P1A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
POSI BOARD		
PCB7 (RLT)	YWJKEMX50P1A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
POWER BOARD		
PCB8 (RLT)	YWJKZMX50P1A	Printed Circuit Board Ass'y for WJ-MX50A/USA/CANADA
	YWJKZMX50E1A	Printed Circuit Board Ass'y for WJ-MX50A/B/G Refer to Replacement Parts List for WJ-MX50.

REF.NO.	PART NO.	DESCRIPTION
ANALOG BOARD		
PCB9 (RLT)	YWJM50APKZ2A	Printed Circuit Board Ass'y for WJ-MX50A/USA/CANADA
	YWJM50AEKZ2A	Printed Circuit Board Ass'y for WJ-MX50A/B/G
IC10	YWM141625AFU	IC
IC16	YWM141625AFU	IC
IC702	MC74HC125AF	IC
IC706,707	MC74HC541AF	IC
IC708	HD6475368RF	IC
IC716,717	MC74HC138AF	IC
R104	ERJ6GEYJ332	Carbon for WJ-MX50A/B/G 3.3K ohms 1/16W
R250	ERJ6GEYJ113	Carbon for WJ-MX50A/B/G 11K ohms 1/16W
R171	ERJ6GEYJ183	Carbon for WJ-MX50A/USA/CANADA 18K ohms 1/16W
R177	ERJ6GEYJ273	Carbon for WJ-MX50A/USA/CANADA 27K ohms 1/16W
R194	ERJ6GEYJ183	Carbon for WJ-MX50A/USA/CANADA 18K ohms 1/16W
R250	ERJ6GEYJ682	Carbon for WJ-MX50A/USA/CANADA 6.8K ohms 1/16W
	ERJ6GEYJ113	Carbon for WJ-MX50A/B/G 11K ohms 1/16W
R251	ERJ6GEYJ123	Carbon for WJ-MX50A/USA/CANADA 12K ohms 1/16W
	ERJ6GEYJ163	Carbon for WJ-MX50A/B/G 16K ohms 1/16W
R373	ERJ6GEYJ101	Carbon for WJ-MX50A/USA/CANADA 100 ohms 1/16W
R449	ERJ6GEYJ273	Carbon for WJ-MX50A/USA/CANADA 27K ohms 1/16W
VR11	EVM1DSW30B34	Variable Resistor for WJ-MX50A/USA/CANADA 30K ohms
VR14	EVM1DSW30B34	Variable Resistor for WJ-MX50A/USA/CANADA 30K ohms
VR17	EVM1DSW30B14	Variable Resistor for WJ-MX50A/USA/CANADA 10K ohms
C4	ECSF1EE226	Electrolytic for WJ-MX50A/USA/CANADA 22 µF 25V
C275	ECEA1CSN4R7	Electrolytic for WJ-MX50A/USA/CANADA 4.7 µF 16V
C298	ECEA1CSN4R7	Electrolytic for WJ-MX50A/USA/CANADA 4.7 µF 16V
C317	ECEA1CSN4R7	Electrolytic for WJ-MX50A/USA/CANADA 4.7 µF 16V
C368	ECEA1CSN4R7	Electrolytic for WJ-MX50A/USA/CANADA 4.7 µF 16V
C408	YWT316B104MT	Ceramic for WJ-MX50A/USA/CANADA 0.1 µF
C739	YGM2B104K1E	Ceramic for WJ-MX50A/USA/CANADA 0.1 µF
C784-790	YF400471CHJT	Ceramic for WJ-MX50A/USA/CANADA 470 pF Refer to Replacement Parts List for WJ-MX50.

DIGITAL BOARD

REF.NO.	PART NO.	DESCRIPTION
PCB10 (RLT)	YWJM50APKZ3A	Printed Circuit Board Ass'y for WJ-MX50A/USA/CANADA
	YWJM50AEKZ3A	Printed Circuit Board Ass'y for WJ-MX50A/B/G
IC1	MC74HC4053F	IC
IC2	NJM2904M	IC
IC3,4	YWCXD1175AM	IC
IC5	MC74HC4053F	IC
IC6	NJM2904M	IC
IC7,8	YWCXD1175AM	IC
IC63	YWPD65240074	IC
IC64,65	UPD485505G25	IC
IC66	YWUPD91361	IC
IC67	YWPD65012C25	IC
IC68	MC74HC4053F	IC
IC69	MN676011NPS	IC for WJ-MX50A/USA/CANADA
	MN676021PPS	IC for WJ-MX50A/B/G
IC70	YWSC7SU04F	IC
IC71	MC74HC374AF	IC
IC72	YWMC74AC374M	IC
IC73	UPD65082GCA	IC
IC74	YWMC74HC08AF	IC
IC75	YWSC7S32FER	IC
IC76	MC74HC74AF	IC
IC77	MC74HC374AF	IC
IC78	YWMC74AC374M	IC
IC79	YWNJM78L09A	IC
IC80	YWSC7S08F	IC
IC81	NJM319M	IC
IC82,83	MC74HC541AF	IC
IC84	YWSC7SU04F	IC
IC85-87	YWSC7S08F	IC
IC88	YWPD65012C25	IC
IC89	YWSC7SU04F	IC
IC90	MN676011NPS	IC for WJ-MX50A/USA/CANADA
	MN676021PPS	IC for WJ-MX50A/B/G
IC91	YWSC7SU04F	IC
IC92,93	YWNJM78L05FA	IC
IC95	YWNJM78L05FA	IC
IC96	YW78L05UATE2	IC
U208	YWL7A1113	IC
U209-214	UPD485505G25	IC
U215	YWSC7SU04F	IC
U216	MN5AA090LMA1	IC
U217,218	YWHM63021FP	IC
U220	YWMC74AC74M	IC
U221	YWMC74AC08M	IC
U223,224	PD482445G560	IC
U233	YWL7A1113	IC
U234-239	UPD485505G25	IC

REF.NO.	PART NO.	DESCRIPTION		
U240	YWSC7SU04F	IC		
U241	MN5AA090LMA1	IC		
U242,243	YWHM63021FP	IC		
U244,245	PD482445G560	IC		
U246	YWSC7SU04F	IC		
U247	UPD65802GCA	IC		
U248	YWBA178M05FP	IC		
U249	YW78L05UATE2	IC		
U250	YWSC7SU04F	IC		
Q1-8	MSD601-QRS	Transistor		
Q11	2SK198-R	FET		
Q12	2SK198-Q	Transistor		
Q13	MSB709-QRS	Transistor		
Q14,15	2SA1733	Transistor		
Q16	MSB709-QRS	Transistor		
Q17	2SA1733	Transistor		
Q18	2SK198-Q	Transistor		
Q19	MSD601-QRS	Transistor		
Q23	MSD601-QRS	Transistor		
Q24,25	MSB709-QRS	Transistor		
Q26	MSD601-QRS	Transistor		
Q27	2SK198-Q	Transistor		
Q28	MSB709-QRS	Transistor		
Q29	2SK198-Q	Transistor		
Q30,31	MSD601-QRS	Transistor		
Q110	2SK198-Q	Transistor		
Q111	2SB1198K6QR	Transistor		
Q112	2SK198-Q	Transistor		
Q113	2SB1198K6QR	Transistor		
Q114	2SK198-Q	Transistor		
Q115,116	2SB1198K6QR	Transistor		
D3,4	YW1SV214TPH3	Diode for WJ-MX50A/USA/CANADA		
	HVU362TRF	Diode for WJ-MX50A/B/G		
D5-7	YW1SV214TPH3	Diode		
D8,9	1SS315	Diode		
D10,11	YW1SV214TPH3	Diode		
D12,13	YW1SV214TPH3	Diode for WJ-MX50A/USA/CANADA		
	YWHVU362TRF	Diode for WJ-MX50A/B/G		
D100-102	YW1SV214TPH3	Diode		
R1	ERJ6GEYJ821	Carbon	820 ohms	1/16W
R2	ERJ6GEYJ202	Carbon	2K ohms	1/16W
R3	ERJ6GEYJ222	Carbon	2.2K ohms	1/16W
R4	ERJ6GEYJ511	Carbon	510 ohms	1/16W
R6,7	ERJ6GEYJ331	Carbon	330 ohms	1/16W
R8	ERJ6GEYJ472	Carbon	4.7K ohms	1/16W
R9	ERJ6GEYJ112	Carbon	1.1K ohms	1/16W
R10-27	ERJ6GEYJ101	Carbon	100 ohms	1/16W
R28,29	ERJ6GEYJ331	Carbon	330 ohms	1/16W
R30	ERJ6GEYJ821	Carbon	820 ohms	1/16W
R31	ERJ6GEYJ202	Carbon	2K ohms	1/16W
R32	ERJ6GEYJ222	Carbon	2.2K ohms	1/16W
R33	ERJ6GEYJ511	Carbon	510 ohms	1/16W

REF.NO.	PART NO.	DESCRIPTION
R34	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R36-39	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R40	ERJ6GEYJ472	Carbon 4.7K ohms 1/16W
R41	ERJ6GEYJ112	Carbon 1.1K ohms 1/16W
R42-58	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R84	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R150,151	ERJ6GEYJ821	Carbon for WJ-MX50A/USA/CANADA
		820 ohms 1/16W
	ERJ6GEYJ102	Carbon for WJ-MX50A/B/G
		1K ohms 1/16W
R187	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R261,262	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R263	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R264,265	ERJ6GEYJ621	Carbon for WJ-MX50A/USA/CANADA
		620 ohms 1/16W
	ERJ6GEYJ331	Carbon for WJ-MX50A/B/G
		330 ohms 1/16W
R266	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R267	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R268	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA
		0 ohm 1/16W
R269	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G
		0 ohm 1/16W
R270	ERJ6GEYJ752	Carbon 7.5K ohms 1/16W
R271	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R272	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R273	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R274	ERJ6GEYJ103	Carbon for WJ-MX50A/USA/CANADA
		10K ohms 1/16W
	ERJ6GEYJ183	Carbon for WJ-MX50A/B/G
		18K ohms 1/16W
R275	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G
		0 ohm 1/16W
R276,277	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R278	ERJ6GEYJ752	Carbon for WJ-MX50A/USA/CANADA
		7.5K ohms 1/16W
	ERJ6GEYJ102	Carbon for WJ-MX50A/B/G
		1K ohms 1/16W
R279	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R280	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R281	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R283-289	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R290-293	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA
		0 ohm 1/16W
R294	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G
		0 ohm 1/16W
R295,296	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R297	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R298	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R299-347	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R348	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R349-359	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R360	ERJ6GEYJ560	Carbon 56 ohms 1/16W
R361	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R362	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R363	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R364	ERJ6GEYJ103	Carbon 10K ohms 1/16W

REF.NO.	PART NO.	DESCRIPTION
R365,366	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R367	ERJ6GEYJ752	Carbon 7.5K ohms 1/16W
R368	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R370	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R371	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G
		0 ohm 1/16W
R372,373	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R374	ERJ6GEYJ202	Carbon 2K ohms 1/16W
R375	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R376	ERJ6GEYJ511	Carbon 510 ohms 1/16
R377	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R378	ERJ6GEYJ472	Carbon 4.7K ohms 1/16W
R379	ERJ6GEYJ222	Carbon 2.2K ohms 1/16W
R380	ERJ6GEYJ392	Carbon 3.9K ohms 1/16W
R381	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R382,383	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R384-399	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R400	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R401	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R402-417	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R418	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R419	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R420	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R422-432	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R433,434	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R435	ERJ6GEYJ511	Carbon for WJ-MX50A/B/G
		510 ohm 1/16W
R436	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R437	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R438	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R439-444	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R447-463	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R464	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G
		0 ohm 1/16W
R465,466	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R467	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R468	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R469	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R470	ERJ6GEYJ752	Carbon for WJ-MX50A/USA/CANADA
		7.5K ohms 1/16W
	ERJ6GEYJ102	Carbon for WJ-MX50A/B/G
		1K ohms 1/16W
R471	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R472	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R473,474	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R475	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R476	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R477	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R478,479	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA
		0 ohm 1/16W
R480	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R481	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA
		0 ohm 1/16W
R482	ERJ6GEYJ331	Carbon 330 ohms 1/16W

REF.NO.	PART NO.	DESCRIPTION
R483,484	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R485	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R486	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R487	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R488	ERJ6GEYJ752	Carbon for WJ-MX50A/USA/CANADA 7.5K ohms 1/16W
	ERJ6GEYJ621	Carbon for WJ-MX50A/B/G 620 ohms 1/16W
R489	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R490	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R491,492	ERJ6GEYJ621	Carbon for WJ-MX50A/USA/CANADA 620 ohms 1/16W
	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R493,494	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R495	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R496	ERJ6GEYJ203	Carbon 20K ohms 1/16W
R497	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R498	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA 0 ohms 1/16W
R499	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R500,501	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R502	ERJ6GEYJ202	Carbon 2K ohms 1/16W
R503	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R504,505	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R507	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R508	ERJ6GEYJ202	Carbon 2K ohms 1/16W
R509	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R510	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R512	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R513	ERDS2TJ272	Carbon for WJ-MX50A/USA/CANADA 2.7K ohms 1/4W
	ERDS2TJ302	Carbon for WJ-MX50A/B/G 3K ohms 1/4W
R519	ERDS2TJ202	Carbon 2K ohms 1/4W
R520	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R521,522	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R523	ERJ6GEYJ221	Carbon for WJ-MX50A/USA/CANADA 220 ohms 1/16W
	ERJ6GEYJ911	Carbon for WJ-MX50A/B/G 910 ohms 1/16W
R524,525	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R526	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R527	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R529	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R531	ERJ6GEYJ132	Carbon for WJ-MX50A/USA/CANADA 1.3K ohms 1/16W
	ERJ6GEYJ102	Carbon for WJ-MX50A/B/G 1K ohms 1/16W
R532	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R647	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R648	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R649	ERJ6GEYJ392	Carbon 3.9K ohms 1/16W
R650,652	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R653,654	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R656	ERJ6GEYJ221	Carbon 220 ohms 1/16W

REF.NO.	PART NO.	DESCRIPTION
R657	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R658	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R659,660	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R661	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R662	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R663	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R664,665	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R666	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R667	ERJ6GEYJ752	Carbon 7.5K ohms 1/16W
R668	ERJ3GEYJ331	Carbon 330 ohms 1/00W
R669	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R670-672	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R673,674	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R676	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R677	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R678,679	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R680	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R681-714	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R762	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R763-767	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R768,770	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R771	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R772	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R773	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R774	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R775	ERJ6GEYJ331	Carbon 330 ohms 1/16W
R776	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R777	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R778	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R779	ERJ6GEYJ333	Carbon 33K ohms 1/16W
R780	ERJ6GEYJ511	Carbon 510 ohms 1/16W
R781	ERJ6GEYJ752	Carbon 7.5K ohms 1/16W
R782	ERJ3GEYJ331	Carbon 330 ohms 1/16W
R783	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R784	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R785,786	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R787	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R788	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R789,790	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R791-823	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R824-853	EXBV8V221J	Block Resistor 220 ohms
R854,855	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R856,857	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R859	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R860-871	EXBV8V221J	Block Resistor 220 ohms
R872-824	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R879	EXBV8V221J	Block Resistor 220 ohms
R875	ERJ6GEYJ392	Carbon 3.9K ohms 1/16W
R876	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R877	ERJ6GEY0R00	Carbon 0 ohm 1/16W

REF.NO.	PART NO.	DESCRIPTION
R881	ERJ6GEY0R00	Carbon for WJ-MX50A/USA/CANADA 0 ohm 1/16W
R882	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R886,887	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R892	ERJ6GEY0R00	Carbon for WJ-MX50A/B/G 0 ohm 1/16W
R893	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R895	ERJ6GEYJ123	Carbon 12K ohms 1/16W
R896	ERJ6GEYJ333	Carbon 33K ohms 1/16W
R897	ERJ6GEYJ332	Carbon 3.3K ohms 1/16W
R898	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R899	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R900	ERJ6GEYJ105	Carbon 1M ohms 1/16W
R901	ERJ6GEYJ102	Carbon 1K ohms 1/16W
R902	ERJ6GEYJ104	Carbon 100K ohms 1/16W
R904,905	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R907	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R909-915	EXBV8V221J	Block Resistor 220 ohms
R934,936	ERJ6GEY0R00	Carbon 0 ohm 1/16W
R937-942	ERJ6GEYJ101	Carbon 100 ohms 1/16W
R943,944	ERJ6GEYJ221	Carbon 220 ohms 1/16W
R945	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R946,947	ERJ6GEY0R00	Carbon 0 ohms 1/16W
R950-952	ERJ6GEY0R00	Carbon 0 ohms 1/16W
R954	ERJ6GEY0R00	Carbon 0 ohms 1/16W
R955	ERJ6GEYJ751	Carbon for WJ-MX50A/USA/CANADA 750 ohms 1/16W
	ERJ6GEYJ621	Carbon for WJ-MX50A/B/G 620 ohms 1/16W
R956,957	ERJ6GEYJ103	Carbon 10K ohms 1/16W
R958,959	ERJ6GEYJ392	Carbon 3.9K ohms 1/16W
VR1	EVM1DSW30B14	Variable Resistor 10K ohms
Z1-5	YWRKM10L102F	Block Resistor 1K ohms
C2,3	ECSF1CE336	Electrolytic 33 µF 16V
C4,5	YF400333XKT	Ceramic 0.033 µF
C6,7	ECEA1AKS330	Electrolytic 33 µF 10 V
C8	YWS21A106T	Electrolytic 10 µF 10V
C9	YWT316B104MT	Ceramic 0.1 µF
C10	YF400333XKT	Ceramic 0.033 µF
C11	YWS21A106T	Electrolytic 10 µF 10V
C12	YWT316B104MT	Ceramic 0.1 µF
C13	YGM2C680J1HT	Ceramic 68 pF
C14	YF400333XKT	Ceramic 0.033 µF
C15-17	YGM2C220J1HT	Ceramic 22 pF
C18	YWS21A106T	Electrolytic 10 µF 10V
C19	YWT316B104MT	Ceramic 0.1 µF
C20	ECEA1ESN4R7	Electrolytic 4.7µF 25V
C21	YGM2C102J1HT	Ceramic 1000 pF
C22	ECEA0JKS470	Electrolytic 47 µF 6.3V
C23	YWS21A106T	Electrolytic 10 µF 10V
C24	YWT316B104MT	Ceramic 0.1 µF
C25	YWS21A106T	Electrolytic 10 µF 10V
C26	YF400333XKT	Ceramic 0.033 µF
C27	YWT316B104MT	Ceramic 0.1 µF
C28	YGM2C680J1HT	Ceramic 68 pF

REF.NO.	PART NO.	DESCRIPTION
C29	YF400333XKT	Ceramic 0.033 µF
C30,31	YGM2C220J1HT	Ceramic 22 pF
C32	YF400333XKT	Ceramic 0.033 µF
C33	ECEA1AKS330	Electrolytic 33 µF 10 V
C34	YF400333XKT	Ceramic 0.033 µF
C35,36	ECEA1AKS330	Electrolytic 33 µF 10 V
C37	YWS21A106T	Electrolytic 10 µF 10V
C38	YWT316B104MT	Ceramic 0.1 µF
C39	YWS21A106T	Electrolytic 10 µF 10V
C40	YWT316B104MT	Ceramic 0.1 µF
C41	YF400333XKT	Ceramic 0.033 µF
C42	YGM2C680J1HT	Ceramic 68 pF
C43	YF400333XKT	Ceramic 0.033 µF
C44-48	YGM2C220J1HT	Ceramic 22 pF
C49	YWS21A106T	Electrolytic 10 µF 10V
C50	YWT316B104MT	Ceramic 0.1 µF
C51	ECEA1ESN4R7	Electrolytic 4.7 µF 25V
C52	YGM2C102J1HT	Ceramic 1000 pF
C53	ECEA0JKS470	Electrolytic 47 µF 6.3V
C54	YWS21A106T	Electrolytic 10 µF 10V
C55	YWT316B104MT	Ceramic 0.1 µF
C56	YWS21A106T	Electrolytic 10 µF 10V
C57	YF400333XKT	Ceramic 0.033 µF
C58	YWT316B104MT	Ceramic 0.1 µF
C59	YGM2C680J1HT	Ceramic 68 pF
C60	YF400333XKT	Ceramic 0.033 µF
C71	ECCF1H100DC	Ceramic for WJ-MX50A/B/G 10 pF
C84	YGM2C330J1HT	Ceramic 33 pF
C116	YWS21A106T	Electrolytic 10 µF 10V
C117,118	YWT316B104MT	Ceramic 0.1 µF
C119-121	YGM2C330J1HT	Ceramic 33 pF
C125-132	YGM2C330J1HT	Ceramic 33 pF
C151,153	YF400120CHJT	Ceramic for WJ-MX50A/USA/CANADA 12 pF
	YF400040CHDT	Ceramic for WJ-MX50A/B/G 4 pF
C162	YGM2C330J1HT	Ceramic 33 pF
C195	YW400201CHJT	Ceramic 200 pF
C196,197	YGM2C470J1HT	Ceramic for WJ-MX50A/USA/CANADA 47 pF
	YGM2C270J1HT	Ceramic for WJ-MX50A/B/G 27 pF
C198	YWT316B104MT	Ceramic 0.1 µF
C199	ECEA1HKS2R2	Electrolytic for WJ-MX50A/USA/CANADA 2.2 µF 50 V
	ECEA1CKS100	Electrolytic for WJ-MX50A/B/G 10 µF 16V
C200	YF400103XKT	Ceramic 0.01 µF
C201	YGM2C101J1HT	Ceramic 100 pF
C202	ECEA1HKS2R2	Electrolytic 2.2 µF 50 V
C203	YF400103XKT	Ceramic 0.01 µF
C204	YWS21A226T	Electrolytic 22 µF 10V
C205,206	YGM2C330J1HT	Ceramic 33 pF
C207,208	YWT316B104MT	Ceramic 0.1 µF

REF.NO.	PART NO.	DESCRIPTION
C209	YWS21A106T	Electrolytic 10 µF 10V
C210-212	YWT316B104MT	Ceramic 0.1 µF
C213,214	YGM2C330J1HT	Ceramic 33 pF
C215	YF400201CHJT	Ceramic 200 pF
C216,217	YGM2C121J1HT	Ceramic for WJ-MX50A/USA/CANADA 120 pF
	YGM2C560J1HT	Ceramic for WJ-MX50A/B/G 56 pF
C218	YWT316B104MT	Ceramic 0.1 µF
C219,220	YWS21A106T	Electrolytic 10 µF 10V
C221	YWT316B104MT	Ceramic 0.1 µF
C222	YWS21A106T	Electrolytic 10 µF 10V
C223	YWT316B104MT	Ceramic 0.1 µF
C224	YWS21A106T	Electrolytic 10 µF 10V
C225,226	YWT316B104MT	Ceramic 0.1 µF
C227	YWS21A106T	Electrolytic 10 µF 10V
C228	YWT316B104MT	Ceramic 0.1 µF
C229	ECSF1CE336	Electrolytic 33 µF 10V
C230	YGM2C270J1HT	Ceramic 27 pF
C231	YGM2C561J1HT	Ceramic for WJ-MX50A/USA/CANADA 560 pF
	YGM2C560J1HT	Ceramic for WJ-MX50A/B/G 56 pF
C232	YWT316B104MT	Ceramic 0.1 µF
C233	YWS21A106T	Electrolytic 10 µF 10V
C234	ECEA1HKS2R2	Electrolytic 2.2 µF 50V
C235	YF400332XKT	Ceramic 3300 pF
C236	YWS21A106T	Electrolytic 10 µF 10V
C237 ,238	YWT316B104MT	Ceramic 0.1 µF
C239	YWS21A106T	Electrolytic 10 µF 10V
C240	YWT316B104MT	Ceramic 0.1 µF
C241	YWS21A106T	Electrolytic 10 µF 10V
C242,243	ECEA1CKS470	Electrolytic 47 µF 16 V
C244	YWT316B104MT	Ceramic 0.1 µF
C247	YGM2C390J1HT	Ceramic 39 pF
C248	YF400103XKT	Ceramic 0.01 µF
C249	YWT316B104MT	Ceramic 0.1 µF
C250	ECEA0JKS470	Electrolytic 47 µF 6.3V
C251	YWT316B104MT	Ceramic 0.1 µF
C252	YWS21A106T	Electrolytic 10 µF 10V
C253,234	YWT316B104MT	Ceramic 0.1 µF
C255,256	YWS21A106T	Electrolytic 10 µF 10V
C257	YWT316B104MT	Ceramic 0.1 µF
C258	YWS21A106T	Electrolytic 10 µF 10V
C259,260	YWT316B104MT	Ceramic 0.1 µF
C261	YWS21A106T	Electrolytic 10 µF 10V
C262	YWT316B104MT	Ceramic 0.1 µF
C263-266	YWS21A106T	Electrolytic 10 µF 10V
C267	YWT316B104MT	Ceramic 0.1 µF
C268	YWS21A106T	Electrolytic 10 µF 10V
C269	YWT316B104MT	Ceramic 0.1 µF
C272	YWS21A106T	Electrolytic 10 µF 10V
C273-277	YGM2C330J1HT	Ceramic 33 pF
C283	YGM2C330J1HT	Ceramic 33 pF
C284	YWT316B104MT	Ceramic 0.1 µF
C285-289	YGM2C330J1HT	Ceramic 33 pF

REF.NO.	PART NO.	DESCRIPTION
C290	ECEA1HKS2R2	Electrolytic 2.2 µF 50 V
C291	YF400103XKT	Ceramic 0.01 µF
C292	YGM2C101J1HT	Ceramic 100 pF
C293,294	YGM2C121J1HT	Ceramic for WJ-MX50A/USA/CANADA 120 pF
	YGM2C560J1HT	Ceramic for WJ-MX50A/B/G 56 pF
C295	YWS21A106T	Electrolytic 10 µF 10V
C296,297	YWT316B104MT	Ceramic 0.1 µF
C298,299	YGM2C470J1HT	Ceramic for WJ-MX50A/USA/CANADA 47 pF
	YGM2C270J1HT	Ceramic for WJ-MX50A/B/G 27 pF
C300	YF400201CHJT	Ceramic 200 pF
C301	ECEA1HKS2R2	Electrolytic for WJ-MX50A/USA/CANADA 2.2 µF 50 V
	ECEA1CKS100	Electrolytic for WJ-MX50A/B/G 10 µF 16V
C302	YF400103XKT	Ceramic 0.01 µF
C303,304	YWT316B104MT	Ceramic 0.1 µF
C305	YGM2C101J1HT	Ceramic 100 pF
C306	YWT316B104MT	Ceramic 0.1 µF
C307	YWS21A106T	Electrolytic 10 µF 10V
C308	ECSF1CE336	Electrolytic 33 µF 16V
C309	YGM2C330J1HT	Ceramic 33 pF
C310,311	YGM2C101J1HT	Ceramic 100 pF
C312	YGM2C330J1HT	Ceramic 33 pF
C313	YGM2C220J1HT	Ceramic 22 pF
C314	YGM2C101J1HT	Ceramic 100 pF
C315	YGM2C330J1HT	Ceramic 33 pF
C316	YGM2C220J1HT	Ceramic 22 pF
C317	YGM2C101J1HT	Ceramic 100 pF
C318,319	YGM2C330J1HT	Ceramic 33 pF
C322	YGM2C330J1HT	Ceramic 33 pF
C323	ECSF1CE336	Electrolytic 33 µF 16V
C324	YGM2C100D1HT	Ceramic 10 pF
C325-328	YGM2C121J1HT	Ceramic 120 pF
C329,330	YGM2C330J1HT	Ceramic 33 pF
C331	YGM2C100D1HT	Ceramic 10 pF
C332	YWS21A226T	Electrolytic 22 µF 10V
C333,334	YGM2C390J1HT	Ceramic 39 pF
C335	YWS21A226T	Electrolytic 22 µF 10V
C338	YGM2C390J1HT	Ceramic 39 pF
C339,340	ECEA1AKS101	Electrolytic 100 µF 10 V
C341	YGM2C390J1HT	Ceramic 39 pF
C342,343	YGM2C330J1HT	Ceramic 33 pF
C344-346	YWT316B104MT	Ceramic 0.1 µF
C347-349	YGM2C330J1HT	Ceramic 33 pF
C350,351	YWT316B104MT	Ceramic 0.1 µF
C352,353	YWS21A226T	Electrolytic 22 µF 10V
C354-357	YWT316B104MT	Ceramic 0.1 µF
C358	ECEA0JKS331	Electrolytic 330 µF 6.3V
C359,360	YWT316B104MT	Ceramic 0.1 µF

REF.NO.	PART NO.	DESCRIPTION		
C361	ECEA0JKS331	Electrolytic	330 µF	6.3V
C362,363	YWT316B104MT	Ceramic	0.1 µF	
C364	ECSF1CE336	Electrolytic	33 µF	16V
C365-369	YWT316B104MT	Ceramic	0.1 µF	
C370	ECSF1CE336	Electrolytic	33 µF	16V
C371	YWT316B104MT	Ceramic	0.1 µF	
C372	TAJD336M010R	Tantalum	33 µF	10V
C373-375	YWT316B104MT	Ceramic	0.1 µF	
C376	YGM2C101J1HT	Ceramic	100 pF	
C377	YGM2C390J1HT	Ceramic for WJ-MX50A/B/G	39 pF	
C378.379	ECST1EC106	Electrolytic	10 µF	25V
C539	YWT316B104MT	Ceramic	0.1 µF	
C540	SK51A106MA	Tantalum	10 µF	10 V
C541-545	YWT316B104MT	Ceramic	0.1 µF	
C546	YWSK51A106MA	Tantalum	10 µF	10 V
C547,548	YWT316B104MT	Ceramic	0.1 µF	
C549-551	SK51A106MA	Tantalum	10 µF	10 V
C552	EEVHB1C220	Electrolytic	22 µF	16 V
C553	ECEV0JA471	Electrolytic	470 µF	6.3 V
C554,555	SK21A476KRD	Tantalum	47 µF	10V
C556	YWT316B104MT	Ceramic	0.1 µF	
C557	YGM2C561J1HT	Ceramic	560 pF	
C558	YGM2C270J1HT	Ceramic	27 pF	
C559	YF400332XKT	Ceramic	3300 pF	
C560	EEVHB1H2R2	Electrolytic	2.2 µF	50V
C561	YGM2C101J1HT	Ceramic	100 pF	
C562	YF400103XKT	Ceramic	0.01 µF	
C563,564	SK51A106MA	Tantalum	10 µF	10V
C566,567	YWT316B104MT	Ceramic	0.1 µF	
C569-580	YWT316B104MT	Ceramic	0.1 µF	
C581-583	SK51A106MA	Tantalum	10 µF	10V
C622	SK21A476KRD	Tantalum	47 µF	10V
C623,624	YWT316B104MT	Ceramic	0.1 µF	
C625-627	SK51A106MA	Tantalum	10 µF	10V
C628,629	YWT316B104MT	Ceramic	0.1 µF	
C630	SK51A106MA	Tantalum	10 µF	10V
C631-634	YWT316B104MT	Ceramic	0.1 µF	
C635-638	SK51A106MA	Tantalum	10 µF	10V
C639	SK21A476KRD	Tantalum	47 µF	10V
C640	YWT316B104MT	Ceramic	0.1 µF	
C641	YF400103XKT	Ceramic	0.01 µF	
C642	YGM2C101J1HT	Ceramic	100 pF	
C643	YGM2C270J1HT	Ceramic	27 pF	
C644	YGM2C561J1HT	Ceramic	560 pF	
C645	YF400332XKT	Ceramic	3300 pF	
C646	EEVHB1H2R2	Electrolytic	2.2 µF	50V
C647	SK21A476KRD	Tantalum	47 µF	10V
C648,649	SK51A106MA	Tantalum	10 µF	10V
C650-661	YWT316B104MT	Ceramic	0.1 µF	
C662	EEVHB1C220	Electrolytic	22 µF	16V

REF.NO.	PART NO.	DESCRIPTION		
C663	ECEV0JA471	Electrolytic	470 µF	6.3V
C664	SK21A476KRD	Tantalum	47 µF	10V
C665,666	YWT316B104MT	Ceramic	0.1 µF	
C667	SK51A106MA	Tantalum	10 µF	10V
C668,669	YWT316B104MT	Ceramic	0.1 µF	
C670	SK51A106MA	Tantalum	10 µF	10 V
C671,672	YWT316B104MT	Ceramic	0.1 µF	
C673	SK51A106MA	Tantalum	10 µF	10 V
C674,675	YWT316B104MT	Ceramic	0.1 µF	
C676	SK51A106MA	Tantalum	10 µF	10 V
C677,678	YWT316B104MT	Ceramic	0.1 µF	
C679	SK51A106MA	Tantalum	10 µF	10 V
C680,681	YWT316B104MT	Ceramic	0.1 µF	
C682	SK51A106MA	Tantalum	10 µF	10 V
C683,684	YWT316B104MT	Ceramic	0.1 µF	
C685	SK51A106MA	Tantalum	10 µF	10 V
C686,687	YWT316B104MT	Ceramic	0.1 µF	
C688	SK51A106MA	Tantalum	10 µF	10 V
C689	YWT316B104MT	Ceramic	0.1 µF	
C690	EEVHB1C100	Electrolytic	10 µF	16 V
C691-694	YWT316B104MT	Ceramic	0.1 µF	
C695	ECST1AY106	Tantalum	10 µF	10 V
C696	EEVHB1H2R2	Electrolytic	2.2 µF	50 V
C698	YF400201CHJT	Ceramic	200 pF	
C699,700	YGM2C102J1HT	Ceramic	1000 pF	
C701	SK51A106MA	Tantalum	10 µF	10 V
C702,703	YWT316B104MT	Ceramic	0.1 µF	
C704	SK51A106MA	Tantalum	10 µF	10 V
C705	YWT316B104MT	Ceramic	0.1 µF	
C706	YGM2C180J1HT	Ceramic	18 pF	
C707	EEVHB1C220	Electrolytic	22 µF	16 V
C708	ECEV0JA471	Electrolytic	470 µF	6.3 V
C709	EEVHB1C220	Electrolytic	22 µF	16 V
C710	ECEV0JA471	Electrolytic	470 µF	6.3 V
C711	YF400150CHJT	Ceramic	15 pF	
C712-727	YGM2C220J1HT	Ceramic	22 pF	
C728	YWT316B104MT	Ceramic	0.1 µF	
C729	EEVHB1C470	Electrolytic	47 µF	16 V
C730	YWT316B104MT	Ceramic	0.1 µF	
C1001-1007	YWS21A336	Electrolytic for WJ-MX50A/B/G	33 µF	10V
L2	ELC08D082	Coil		
L3-8	ELESN1R0KA	Coil	1 µH	
L15	ELESN1R0KA	Coil	1 µH	
L20,21	ELESN1R0KA	Coil	1 µH	
L22,23	ELESN100KA	Coil	10 µH	
L24	YWS5LE0554	Coil		
L25	ELESN100KA	Coil	10 µH	
L26-30	ELESN220KA	Coil	22 µH	
L31-33	ELESN1R0KA	Coil	1 µH	
L34	ELC08D082	Coil		

REF.NO.	PART NO.	DESCRIPTION
L35	ELESN1R0KA	Coil 1 µH
L36,37	ELESN100KA	Coil 10 µH
L38	ELJFA101KF	Coil 100 µH
L40,41	NL25T560J	Coil 56 µH
L106,107	ELJFA1R0KF	Coil 1 µH
L108	5206JPS104	Coil
L109	ELJFA1R0KF	Coil 1 µH
L117,118	ELJFA1R0KF	Coil 1 µH
L119	5206JPS104	Coil
L121-125	ELJFA1R0KF	Coil 1 µH
L126	5210JPS092	Coil
L127,128	ELJFA1R0KF	Coil 1 µH
L129	ELESN100KA	Coil 10 µH
L150,151	NL25T560J	Coil 56 µH
L513	F2012E8R2KT	Coil 8.2 µH
L949	NL25T560J	Coil 56 µH
X1	YFMS30914M10	Crystal Oscillator for WJ-MX50A/USA/CANADA
	YWN8R4R40625	Crystal Oscillator for WJ-MX50A/B/G
X2	YFMS30914M10	Crystal Oscillator for WJ-MX50A/USA/CANADA
	YFMS30917M10	Crystal Oscillator for WJ-MX50A/B/G
X3	YFMS30914M10	Crystal Oscillator for WJ-MX50A/USA/CANADA
	YWN8R4R40625	Crystal Oscillator for WJ-MX50A/B/G
X4	YFMS30914M10	Crystal Oscillator for WJ-MX50A/USA/CANADA
	YFMS30917M10	Crystal Oscillator for WJ-MX50A/B/G
CN1	YW530140510	5-pin Connector
CN2	YWF794P040LA	40-pin Connector
CN3	YWF794P020LA	20-pin Connector
CN4	YW530140710	7-pin Connector
TP3-5	YWRCT2125TPV	Test Point
TP103	YWRCT2125TPV	Test Point
TP107-110	YWRCT2125TPV	Test Point

REF.NO.	PART NO.	DESCRIPTION
SWITCH BOARD		
PCB11 (RLT)	YWJKZMX50P4A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
AUDIO BOARD		
PCB12 (RLT)	YWJKZMX50P5A	Printed Circuit Board Ass'y Refer to Replacement Parts List for WJ-MX50.
ACCESSORY PARTS/PACKAGING PARTS		
M81	YW7J1A114A	Operating Instructions for WJ-MX50A/USA/CANADA
	YW7J1A117A	Operating Instructions for WJ-MX50A/B/G
M82	YW7J1A116A	Operating Instructions for WJ-MX50A/Canada
M89	YWT80X90X1	Polyethylene Bag
M90	YW0C1A018AB	Packging Ass'y for WJ-MX50A/USA
	YW0C1A018AC	Packging Ass'y for WJ-MX50A/CANADA
	YW0C1A018AD	Packging Ass'y for WJ-MX50A/B/G