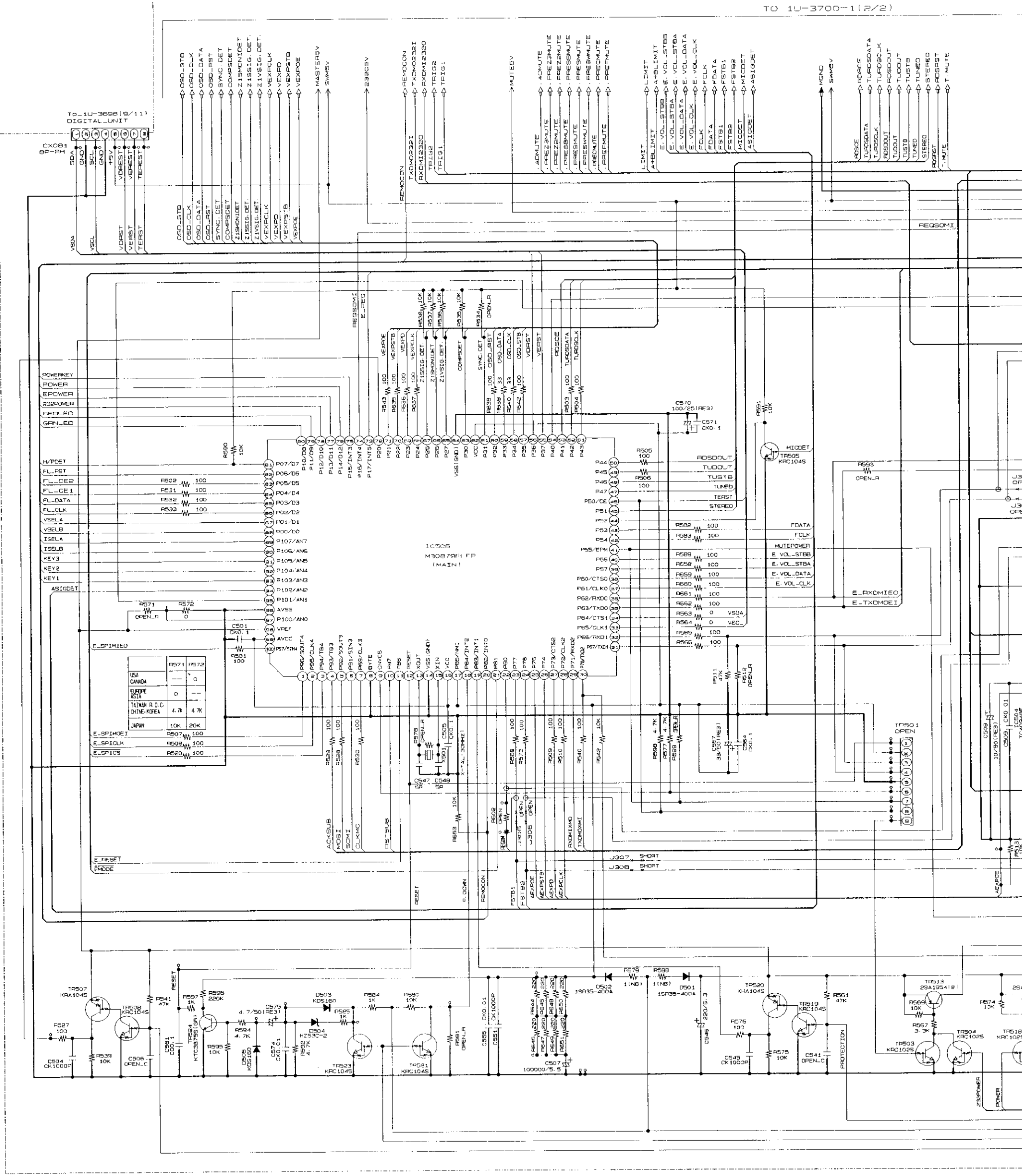


# SCHEMATIC DIAGRAMS (1/34)

1 2 3 4 5 6









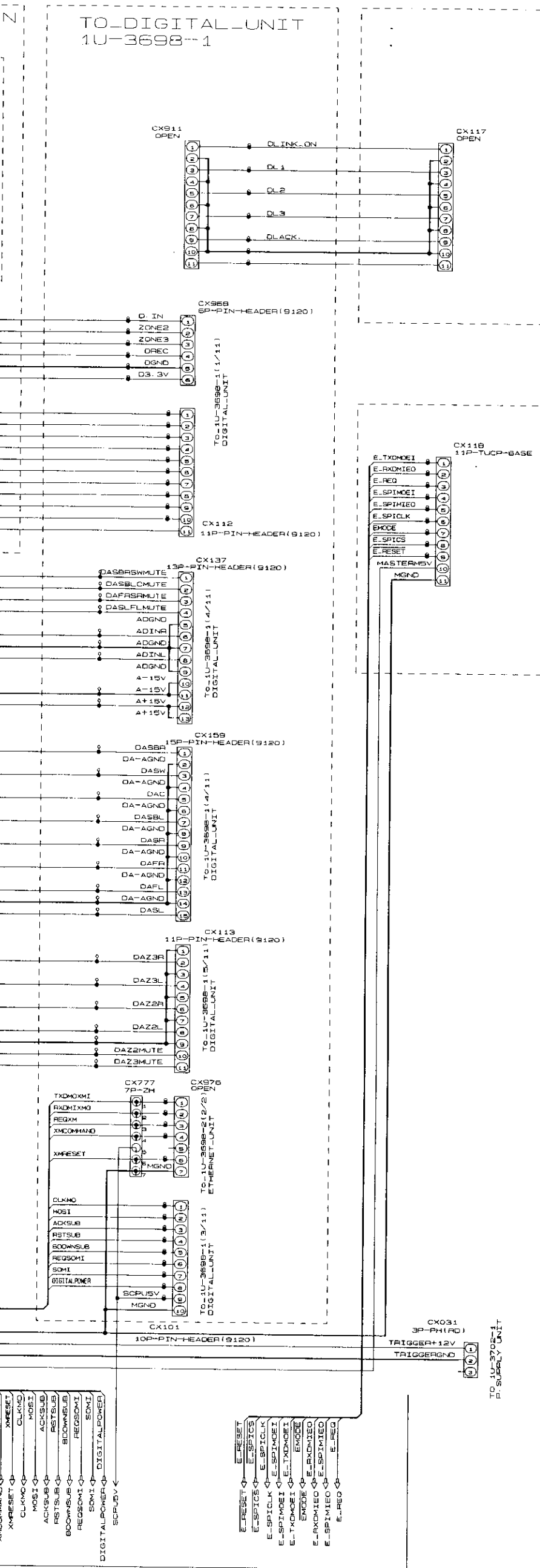
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SCHEMATIC DIAGRAMS (2/34)  
1U-3700-1 MAIN CPU UNIT (2/2)

SCHEMATIC DIAGRAMS (3/34)

1

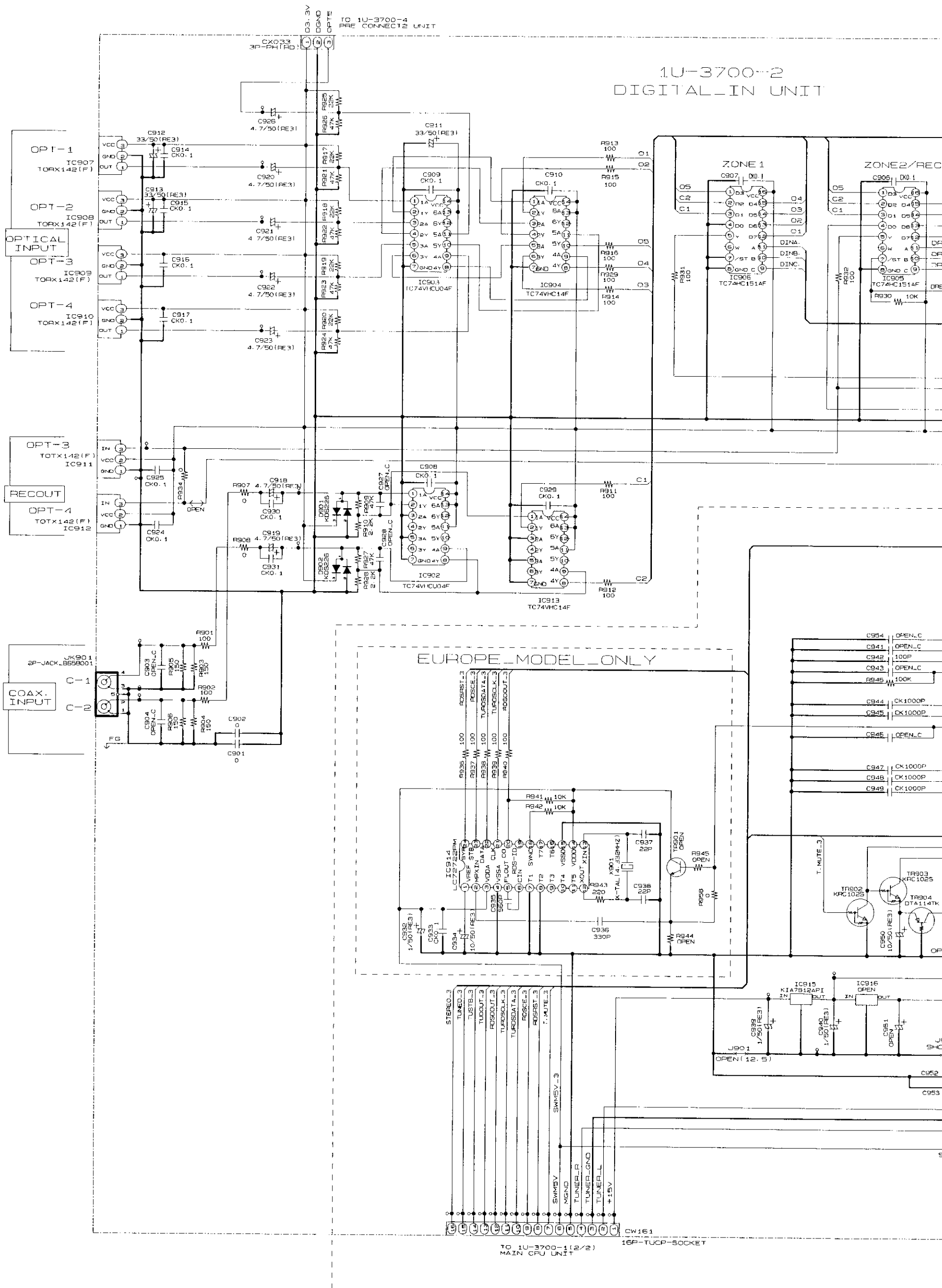
2

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6



TO 1U-3700-1(2/2) MAIN CPU UNIT  
16P-TUCP-SOCKET

6

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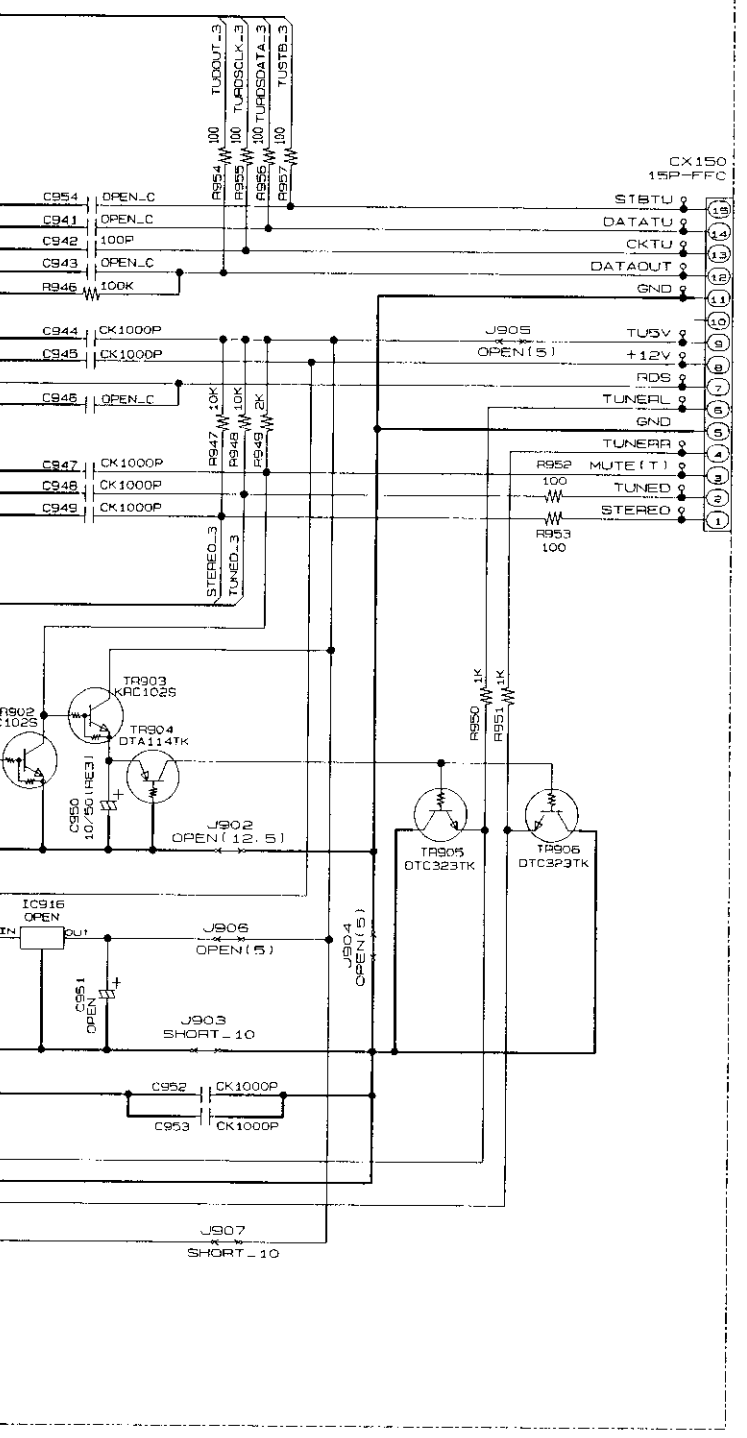
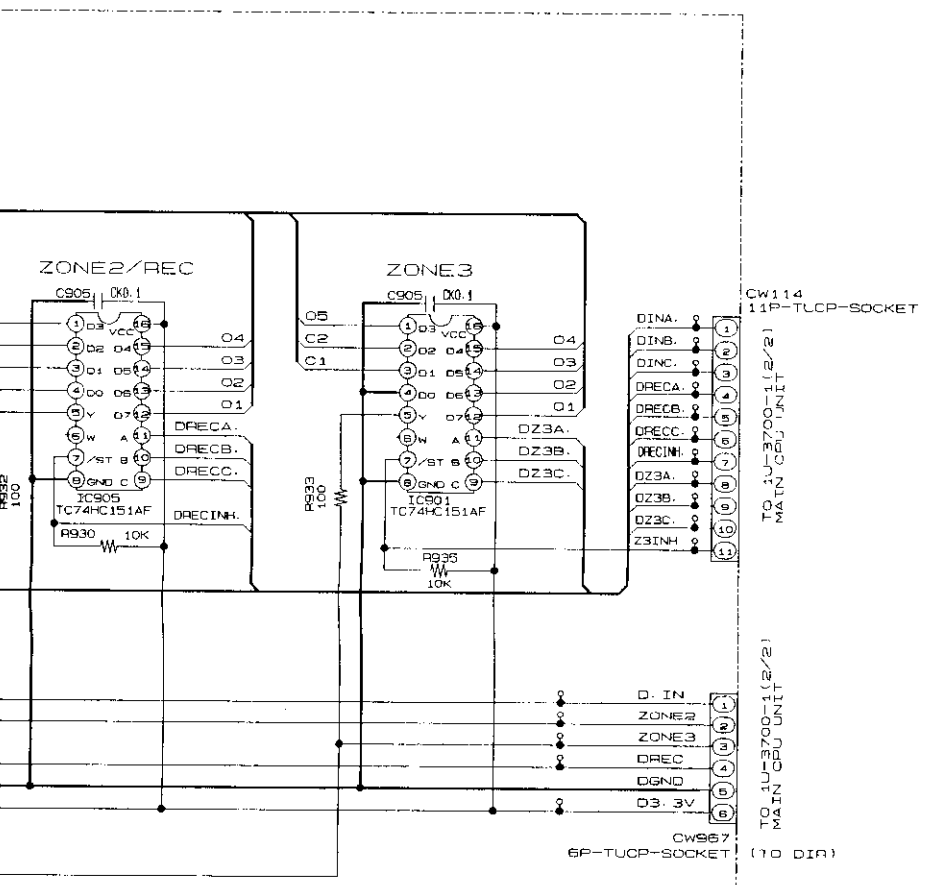
D

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AVR-MODEL ONLY

SCHEMATIC DIAGRAMS (3/34)  
1U-3700-2 DIGITAL IN UNIT



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A

B

C

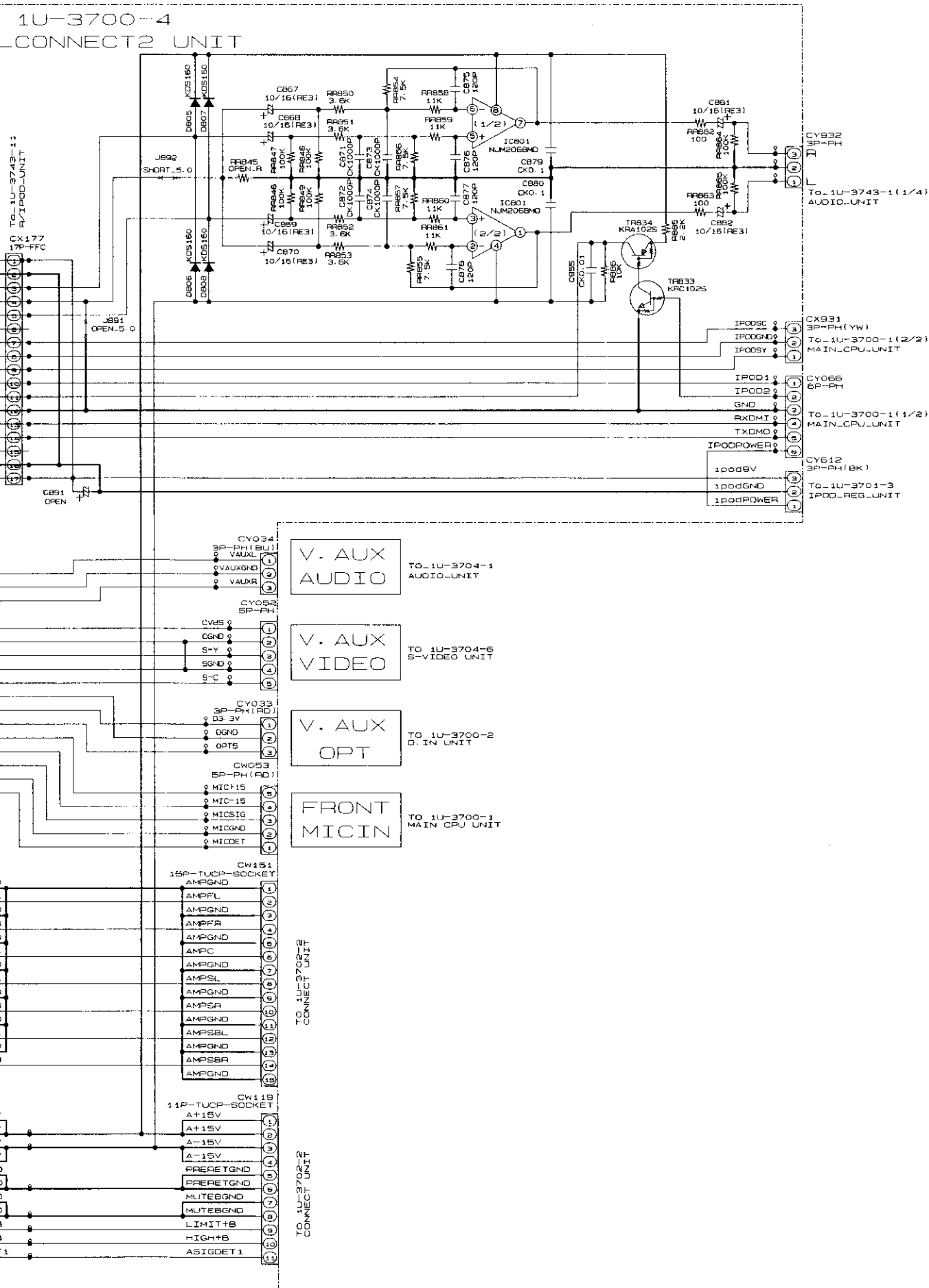
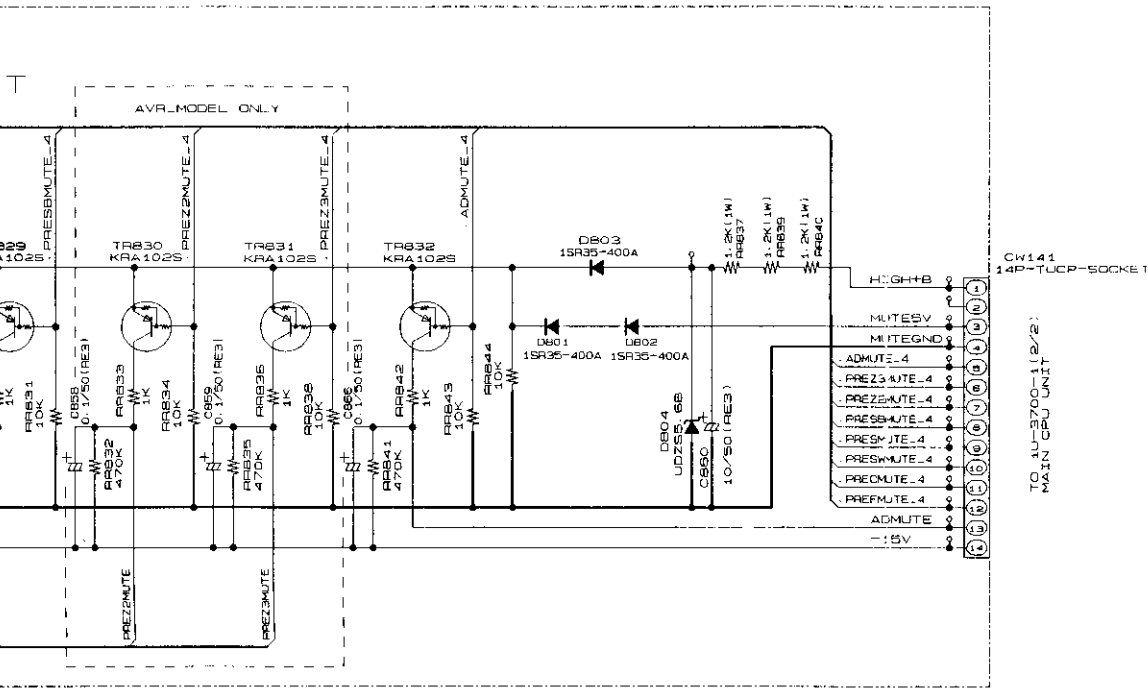
D

E

F

G

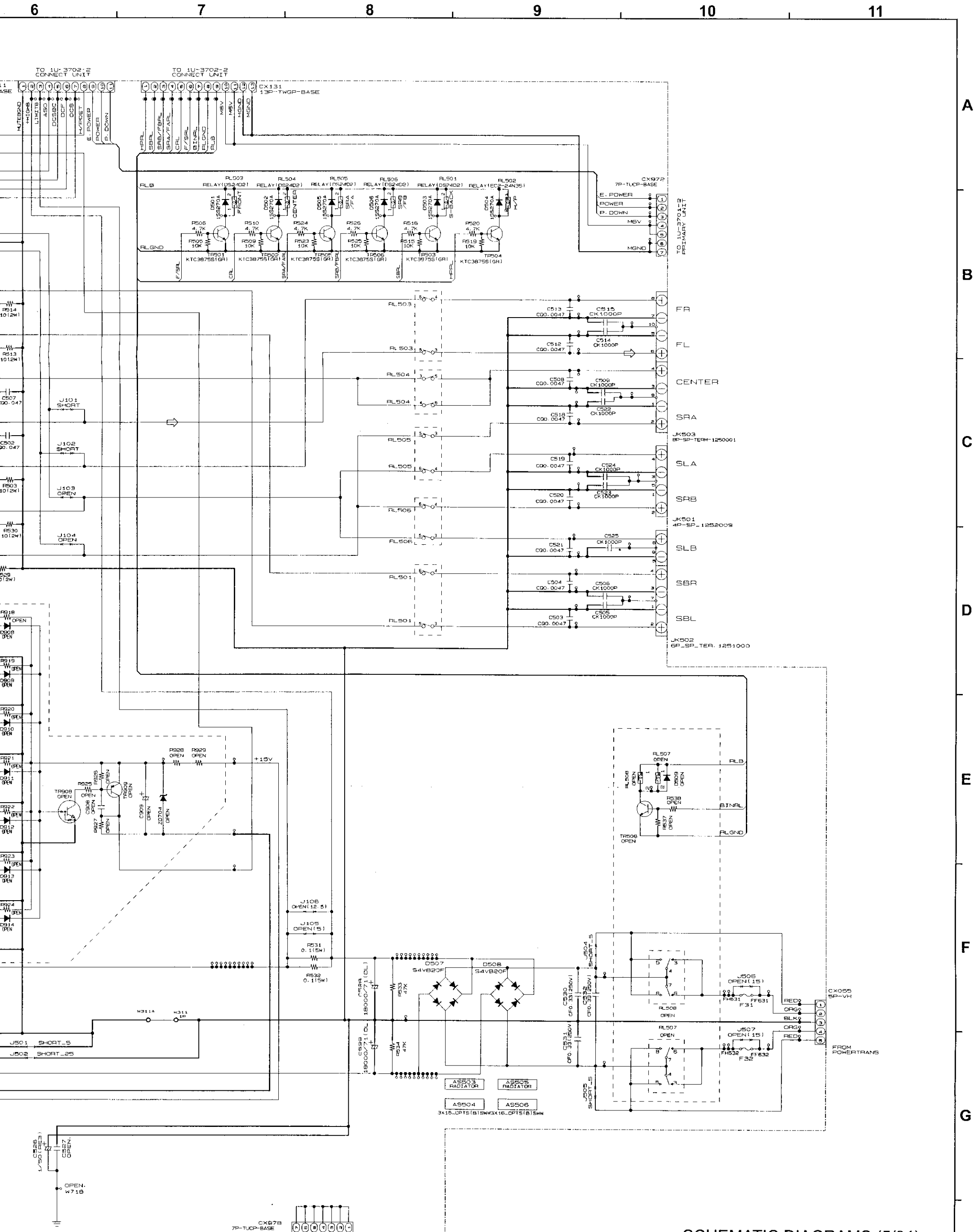
H



SCHMATIC DIAGRAMS (4/34)  
 1U-3700-3 EXT IN/PREOUT UNIT  
 1U-3700-4 PRE CONNECT2 UNIT







SCHEMATIC DIAGRAMS (5/34)  
1U-3701-1 POWER AMP UNIT

**SCHEMATIC DIAGRAMS (6/34)**

1

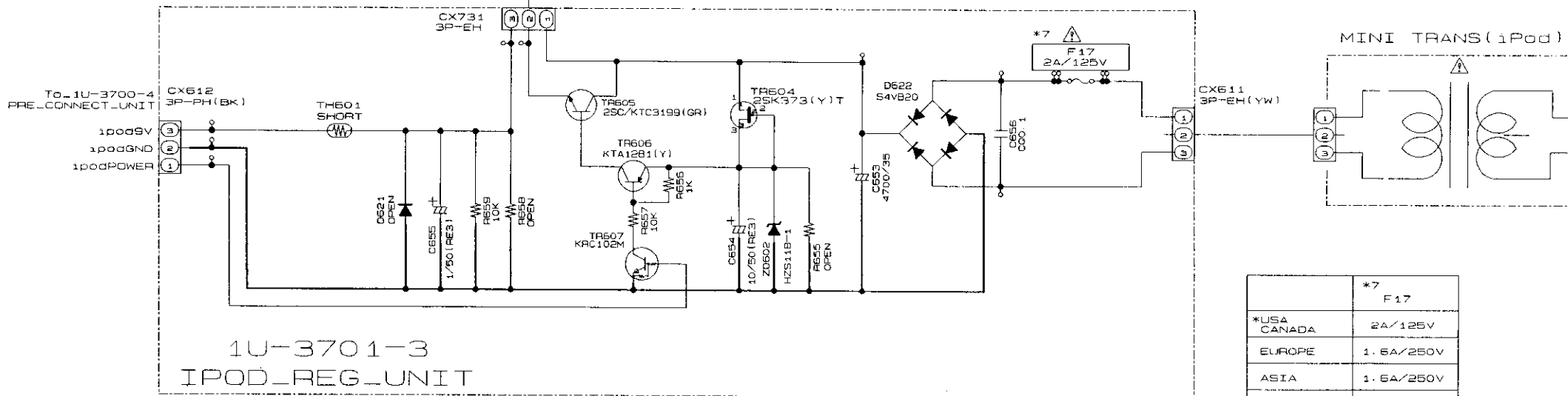
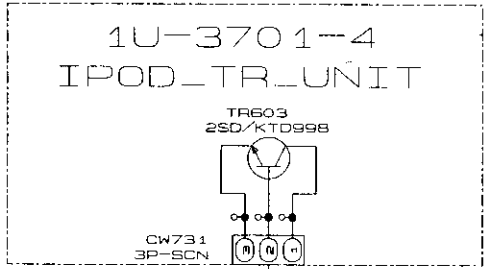
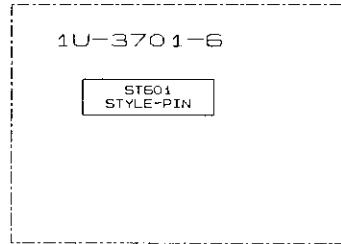
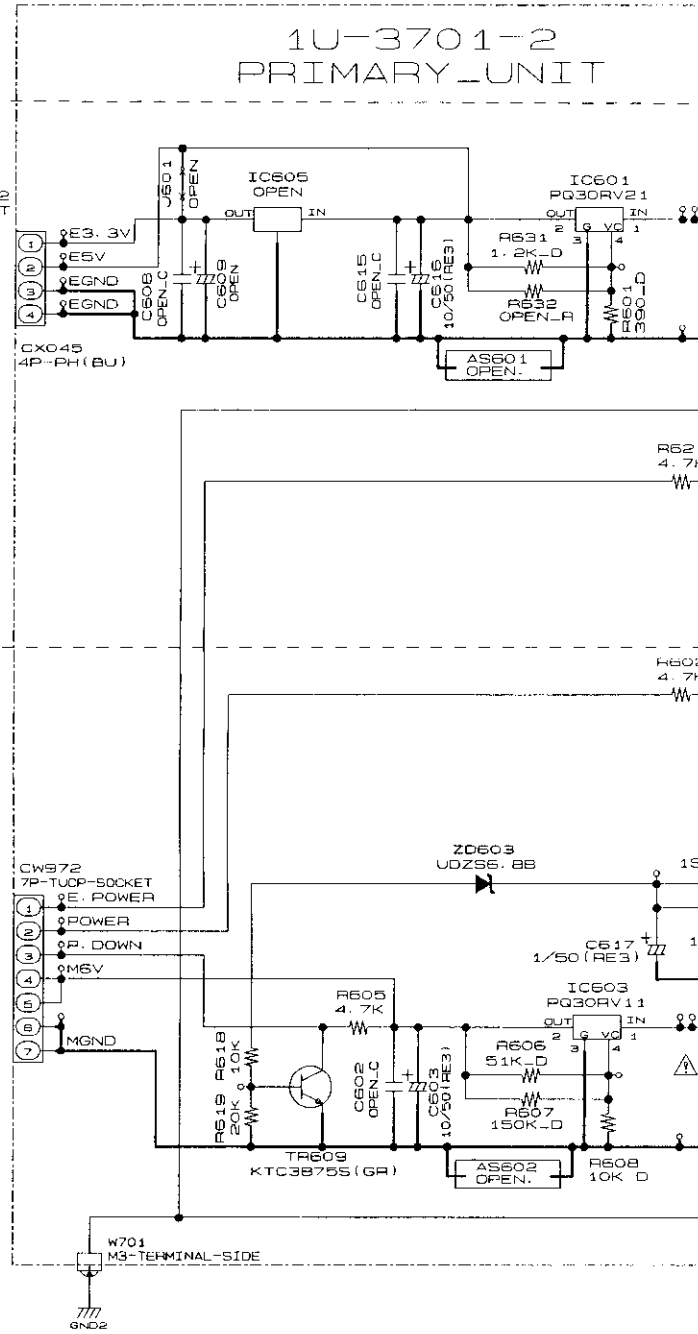
2

3

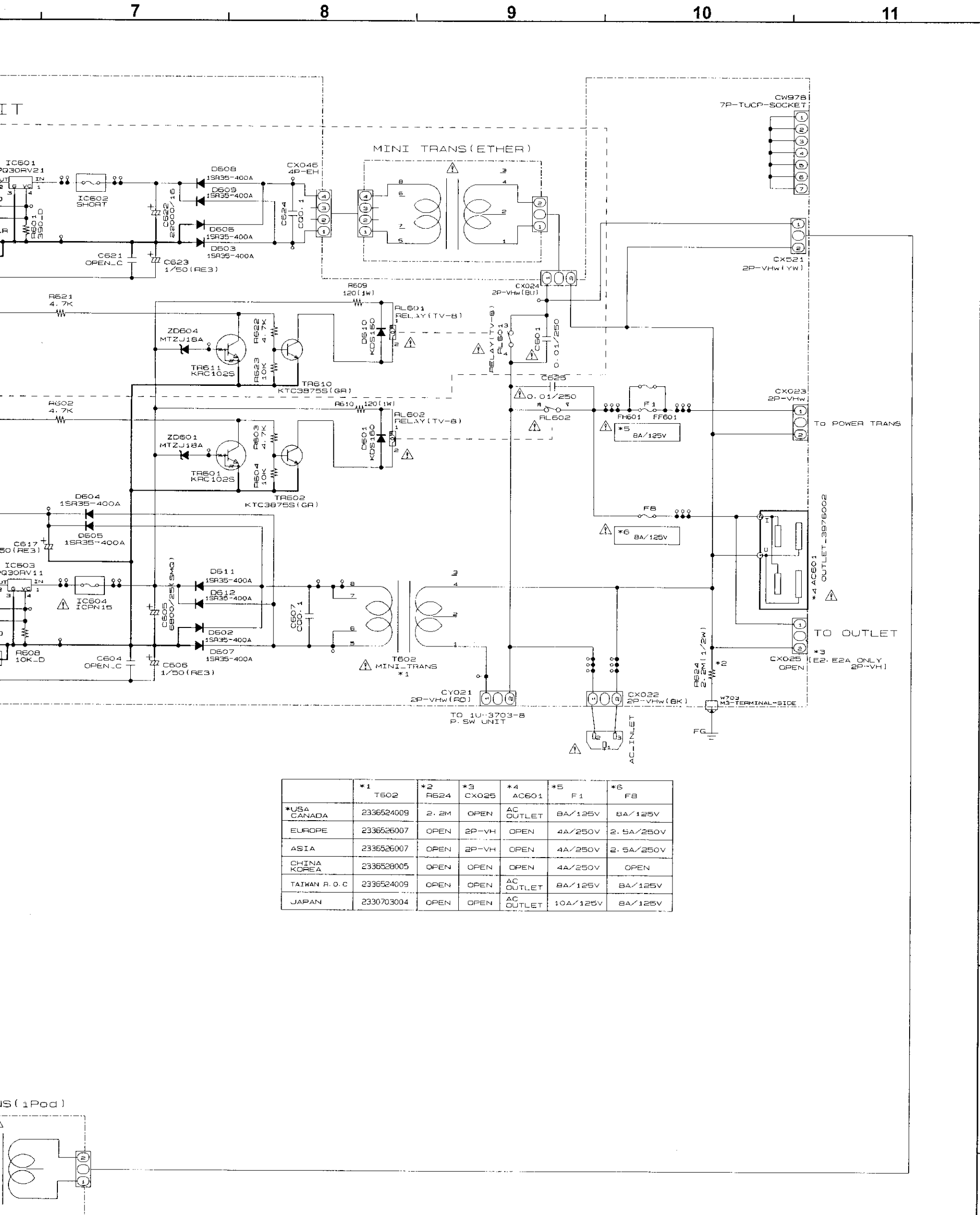
4

5

6



	*7 F 17
*USA CANADA	2A/125V
EUROPE	1.6A/250V
ASIA	1.6A/250V
TAIWAN R.O.C	2A/125V
JAPAN	2A/125V

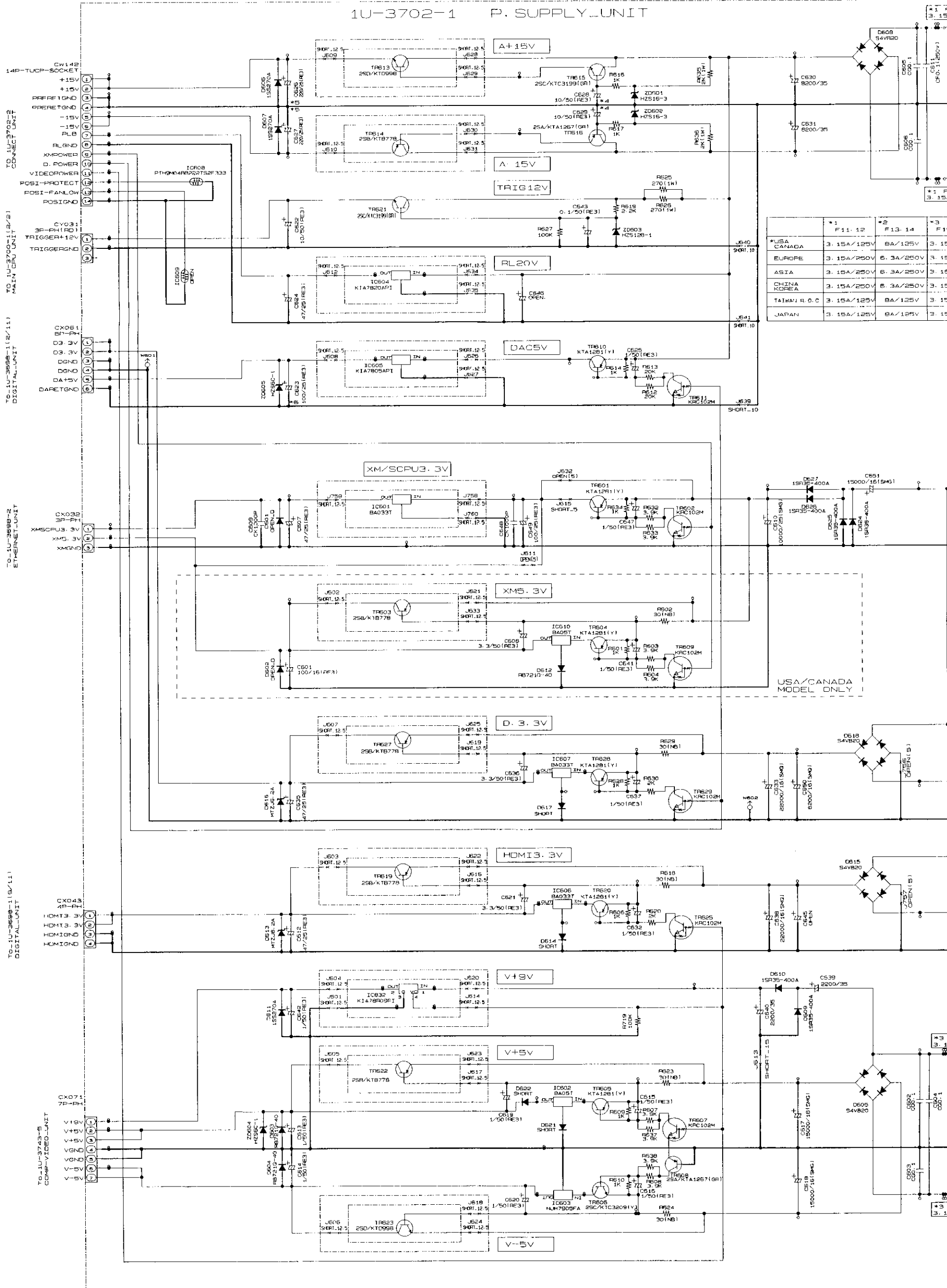


	*1	*2	*3	*4	*5	*6
	T602	R624	CX025	AC601	F1	F8
*USA	2336524009	2.2M	OPEN	AC OUTLET	8A/125V	8A/125V
CANADA	2336526007	OPEN	2P-VH	OPEN	4A/250V	2.5A/250V
EUROPE	2336526007	OPEN	2P-VH	OPEN	4A/250V	2.5A/250V
ASIA	2336528005	OPEN	OPEN	OPEN	4A/250V	OPEN
CHINA	2336524009	OPEN	OPEN	AC OUTLET	8A/125V	8A/125V
KOREA	2330703004	OPEN	OPEN	AC OUTLET	10A/125V	8A/125V
TAIWAN						
R. O. C.						
JAPAN						

SCHEMATIC DIAGRAMS (6/34)  
 1U-3701-2 PRIMARY UNIT  
 1U-3701-3 IPOD REG UNIT  
 1U-3701-4 IPOD TR UNIT

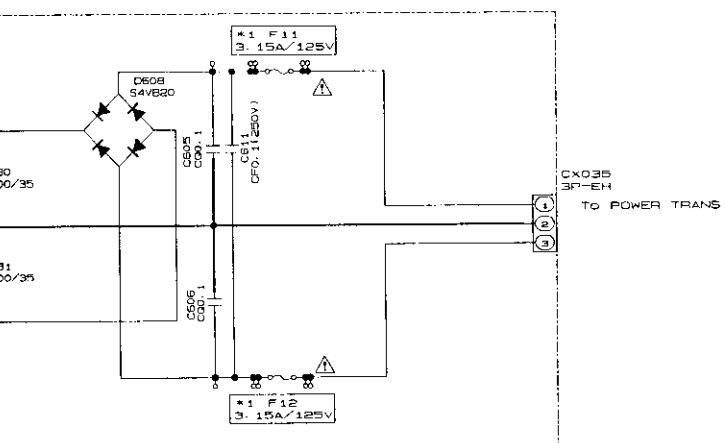
# SCHEMATIC DIAGRAMS (7/34)

1 2 3 4 5 6

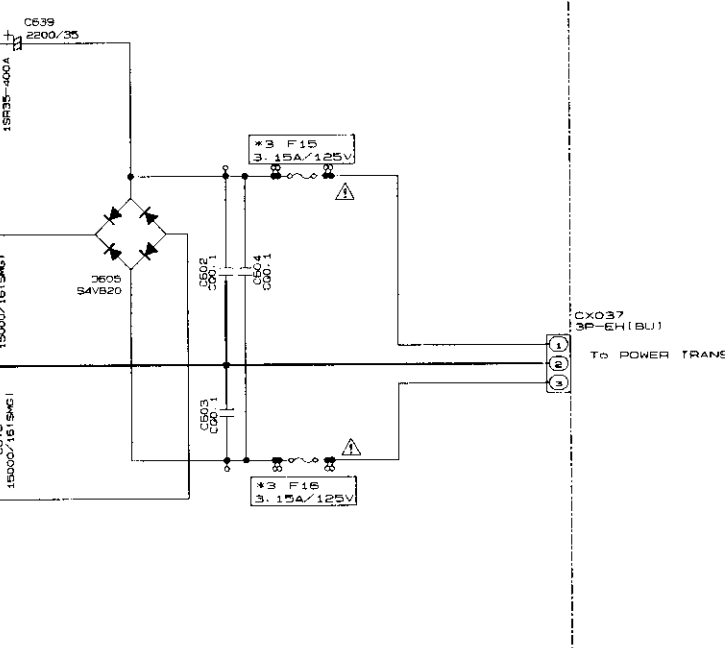
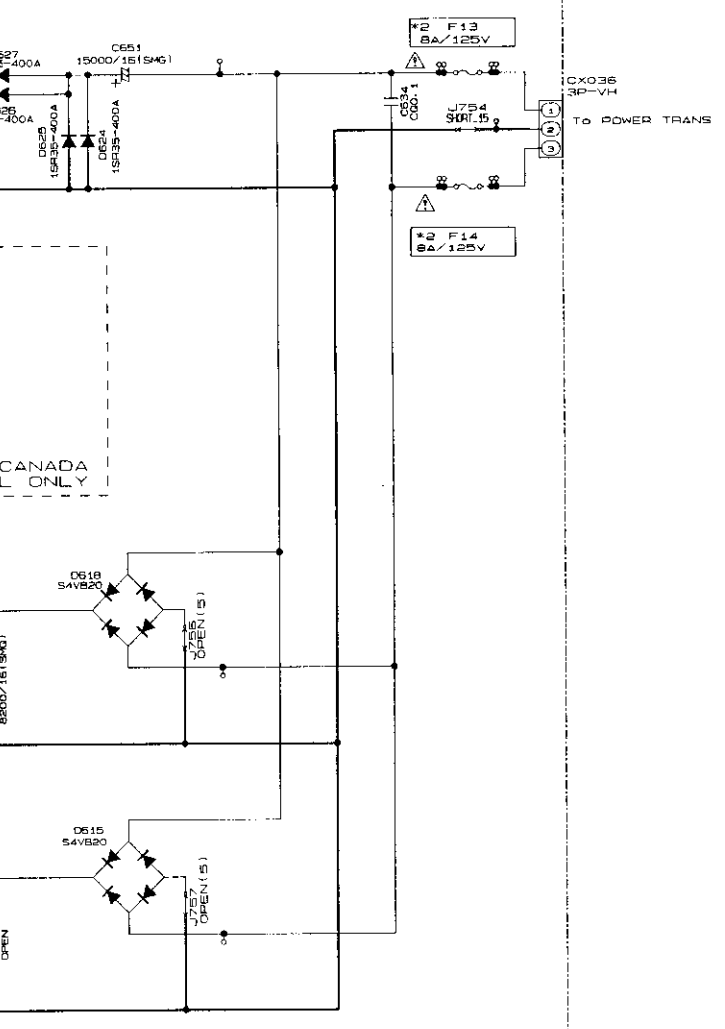


6 7 8 9 10 11

A  
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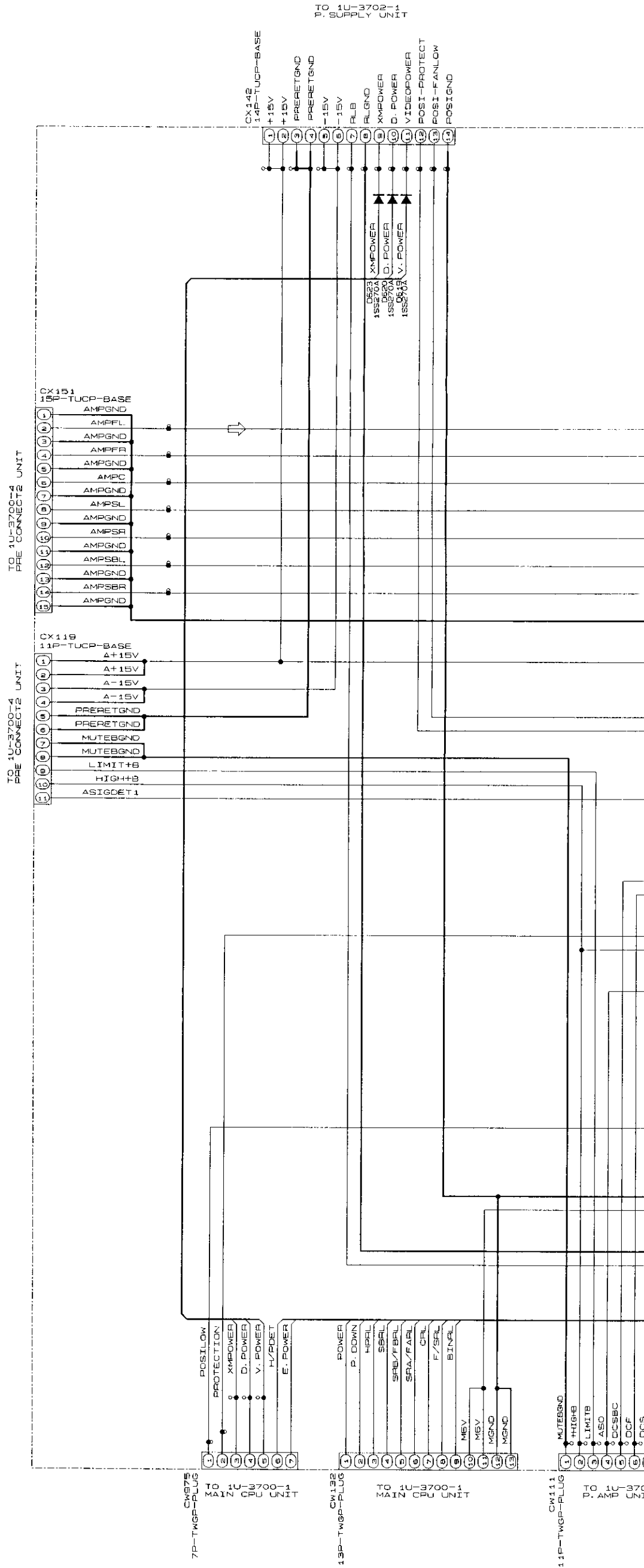
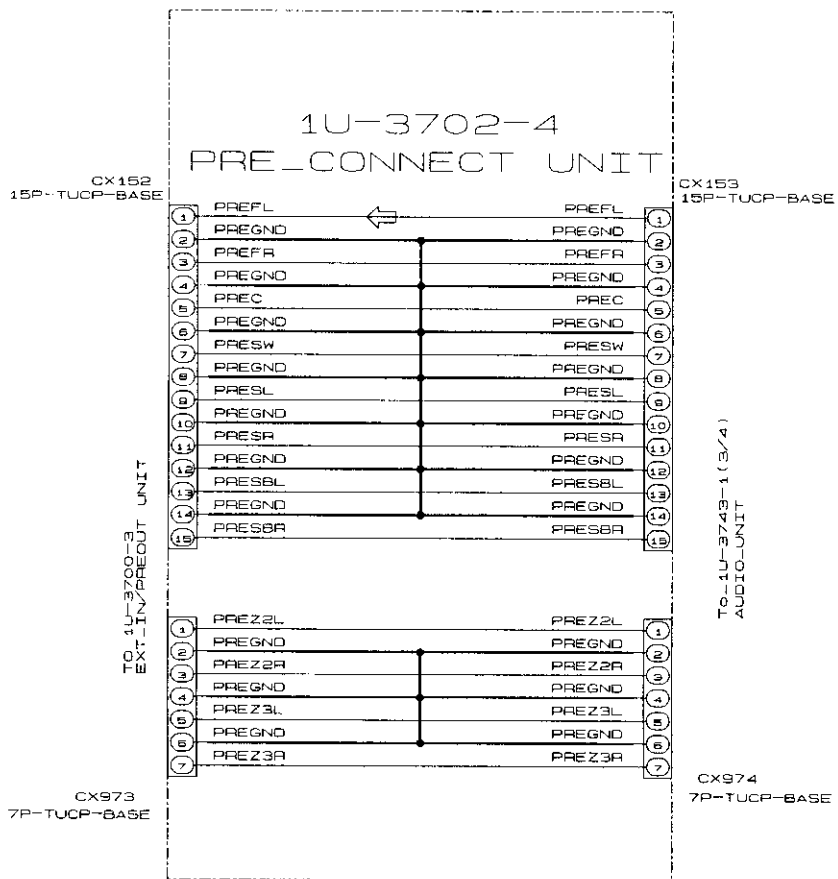
*1	*2	*3	*4	*5	*6
F11, 12	F13, 14	F15, 16	C628 C629	C625 C627	C623
3. 15A/125V	8A/125V	3. 15A/125V	10/50	220/25	100/25
3. 15A/250V	6. 3A/250V	3. 15A/250V	47/50	100/50	100/50
3. 15A/250V	6. 3A/250V	3. 15A/250V	47/50	100/50	100/50
3. 15A/250V	6. 3A/250V	3. 15A/250V	47/50	100/50	100/50
D.C. 3. 15A/125V	8A/125V	3. 15A/125V	10/50	220/25	100/25
3. 15A/125V	8A/125V	3. 15A/125V	47/50	100/50	100/25



SCHEMATIC DIAGRAMS (7/34)  
1U-3702-1 P. SUPPLY UNIT

SCHEMATIC DIAGRAMS (8/34)

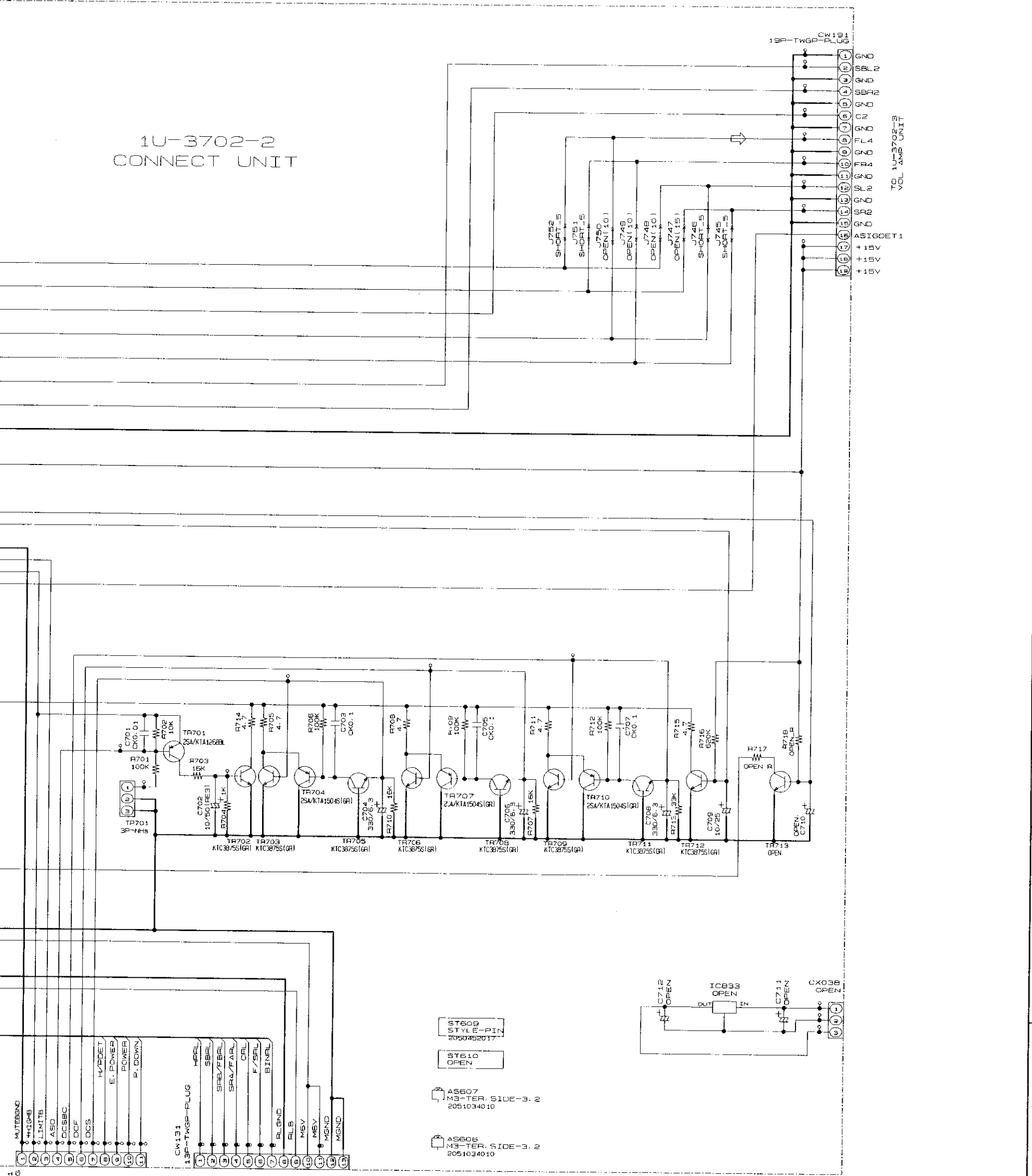
1 2 3 4 5 6



7 8 9 10 11

A  
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1U-3702-2  
CONNECT UNIT



ST609  
STYLE-PIN  
2050452017

ST610  
OPEN

AS607  
M3-TER. SIDE-3. 2  
2051034010

AS606  
M3-TER. SIDE-3. 2  
2051034010

SCHEMATIC DIAGRAMS (8/34)  
1U-3702-2 CONNECT UNIT  
1U-3702-4 PRE CONNECT UNIT

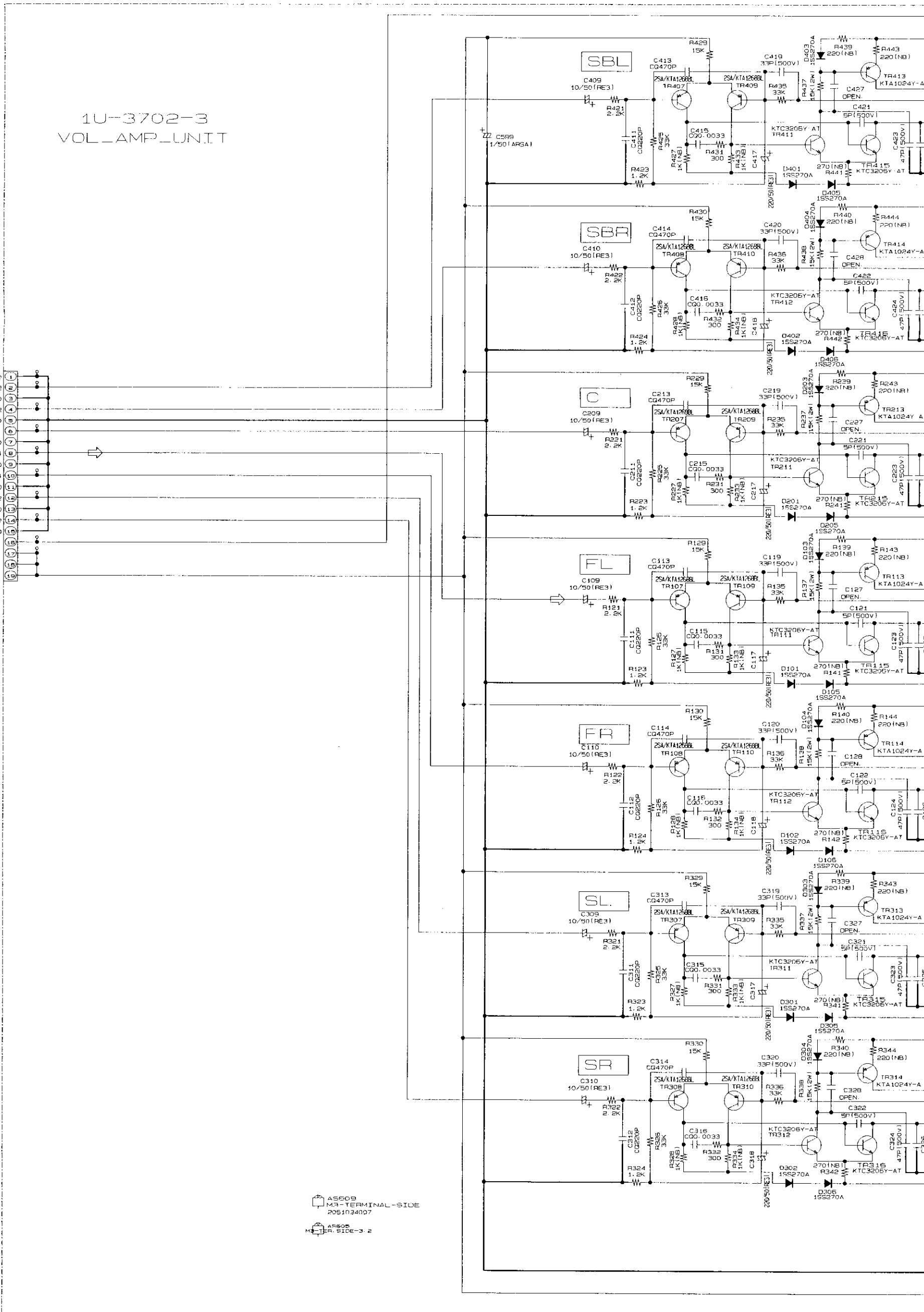


1U-3702-3  
VOL LAMP UNIT

- CX191  
19P-TWGP-BASE
- GND
- SBL2
- GND
- SBR2
- GND
- C2
- GND
- FL4
- GND
- FR4
- GND
- SL2
- GND
- SR2
- GND
- ASIGDET1
- +15V
- +15V
- +15V

ASE09  
M3-TERMINAL-SIDE  
2051034007

ARS08  
M3-TER-SIDE-3.2



6

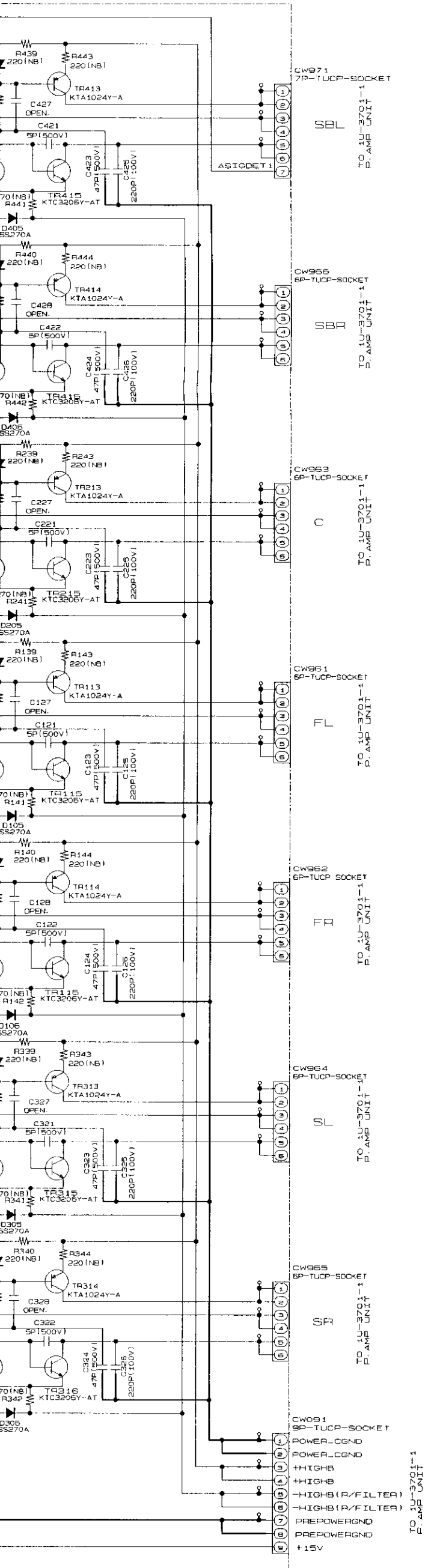
7

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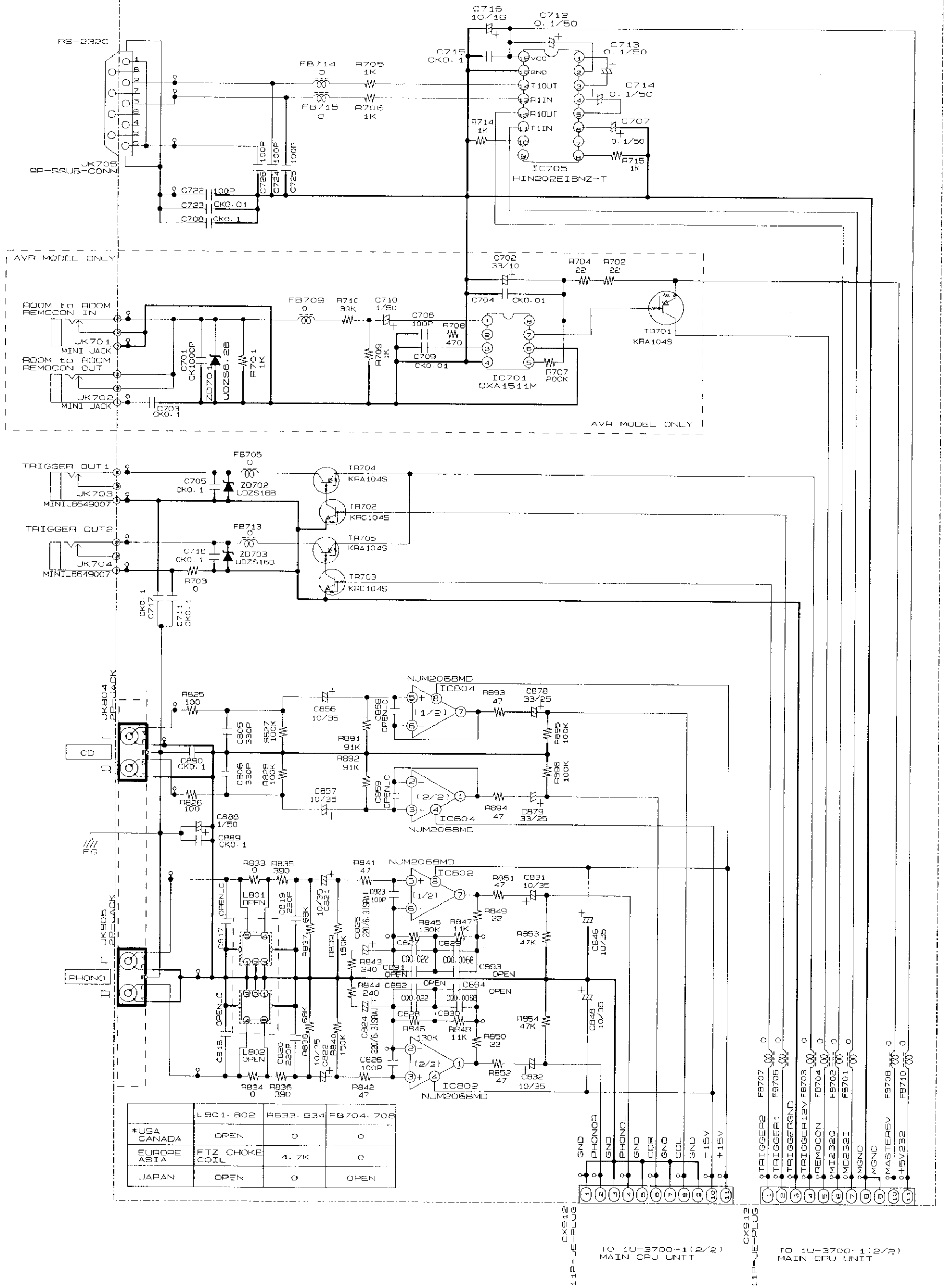
H

SCHEMATIC DIAGRAMS (9/34)  
1U-3702-3 VOL AMP UNIT



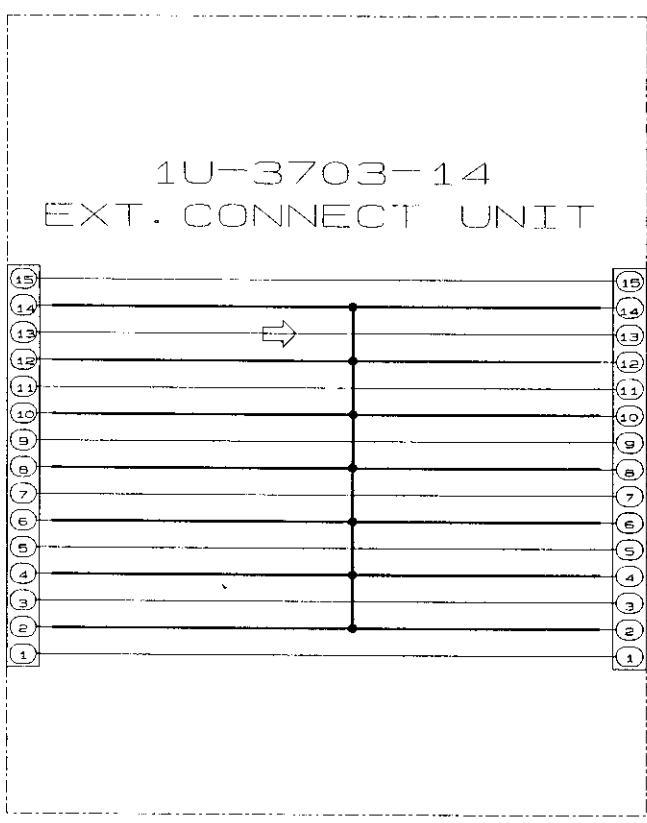


1U-3703-13  
232C UNIT



6 7 8 9 10 11

A  
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SCHEMATIC DIAGRAMS (11/34)  
 1U-3703-13 232C UNIT  
 1U-3703-14 EXT. CONNECT UNIT

0+5V232  
 FB710  
 0



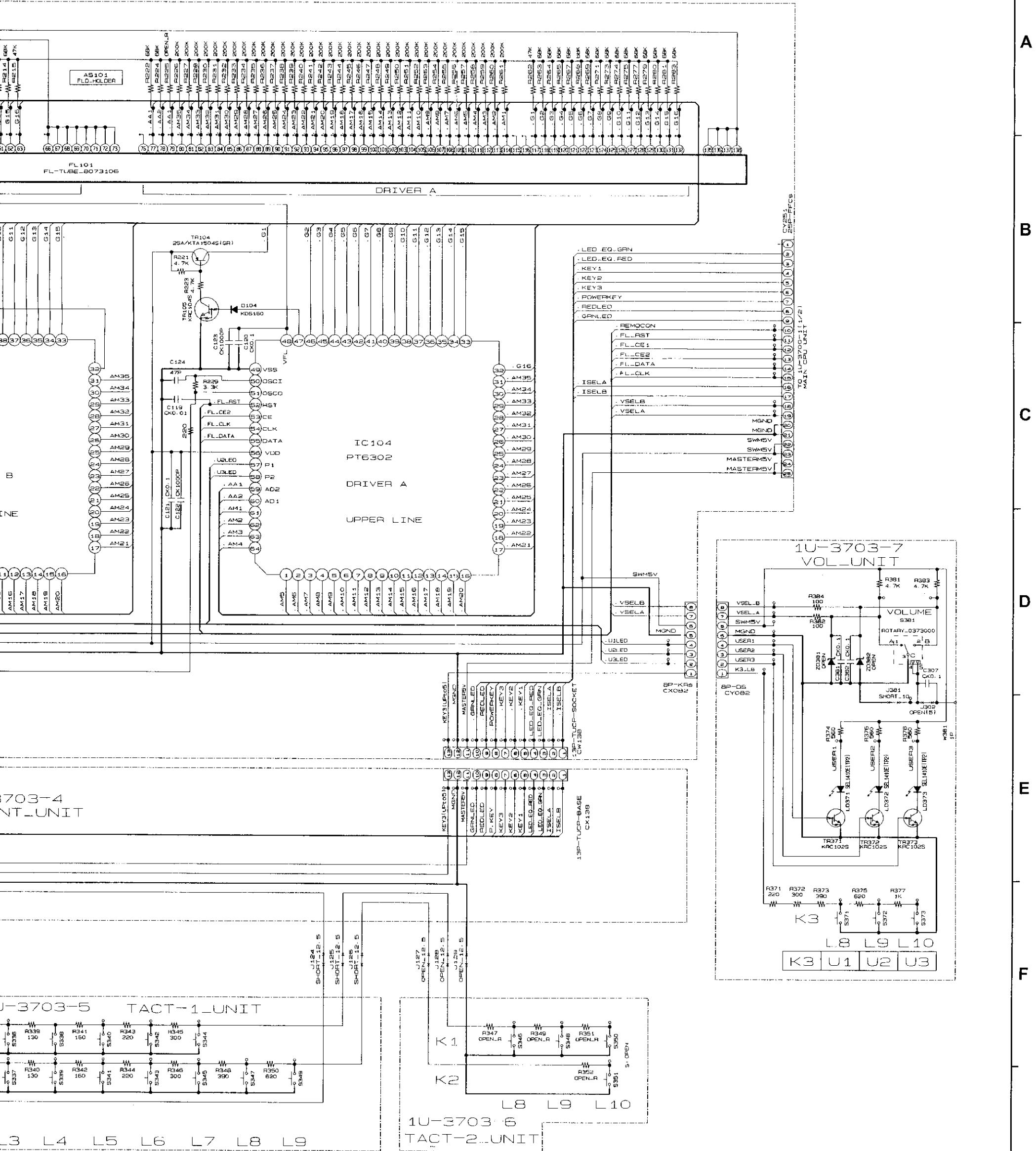
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A  
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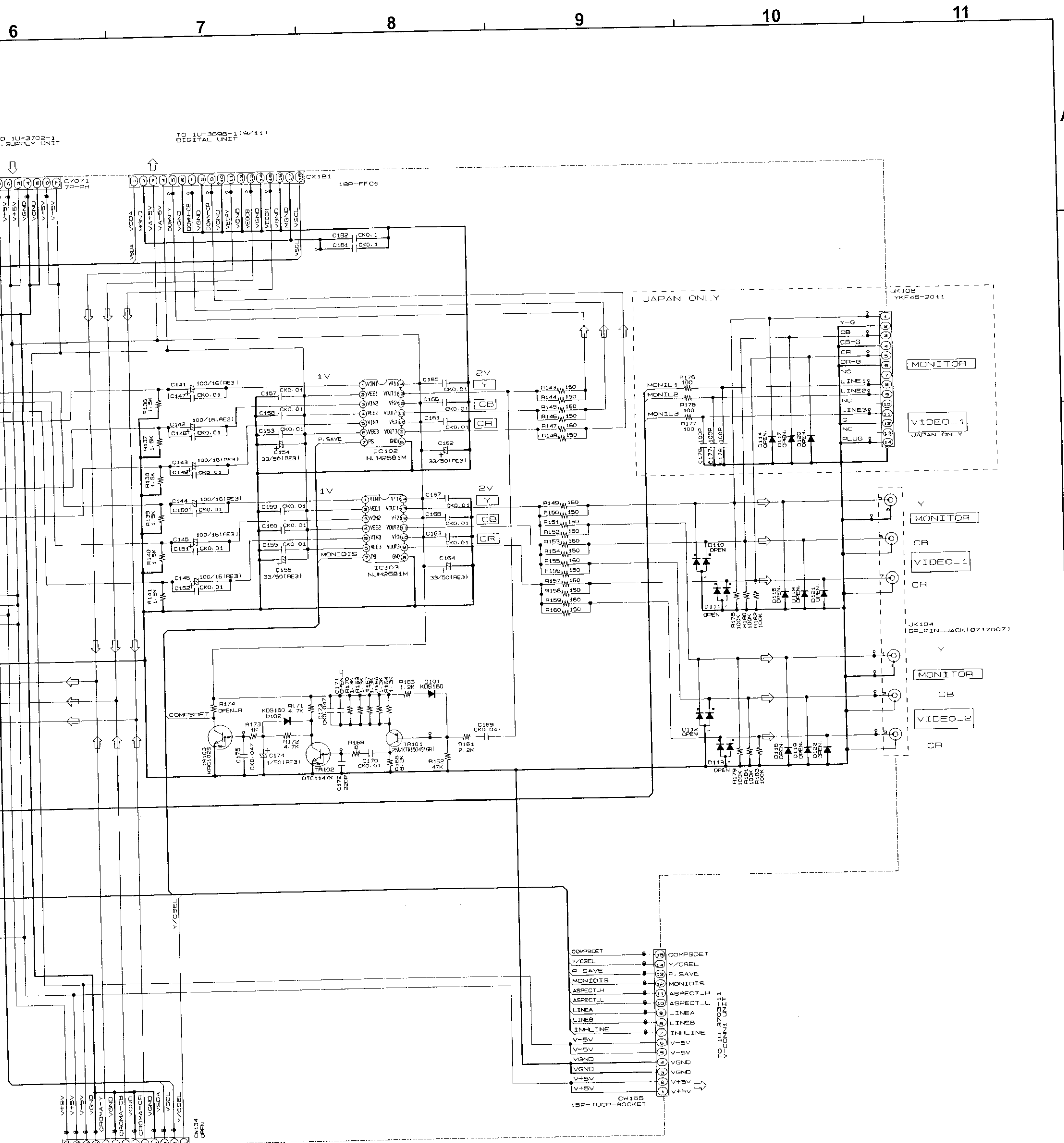
USER1 USER2 USER3

**SCHEMATIC DIAGRAMS (12/34)**

1U-3703-1 FLD UNIT	1U-3703-5 TACT-1 UNIT
1U-3703-2 FUNC. UNIT	1U-3703-7 VOL UNIT
1U-3703-3 P. KEY UNIT	1U-3703-8 P. SW UNIT
1U-3703-4 JOINT UNIT	1U-3703-9 H/P UNIT



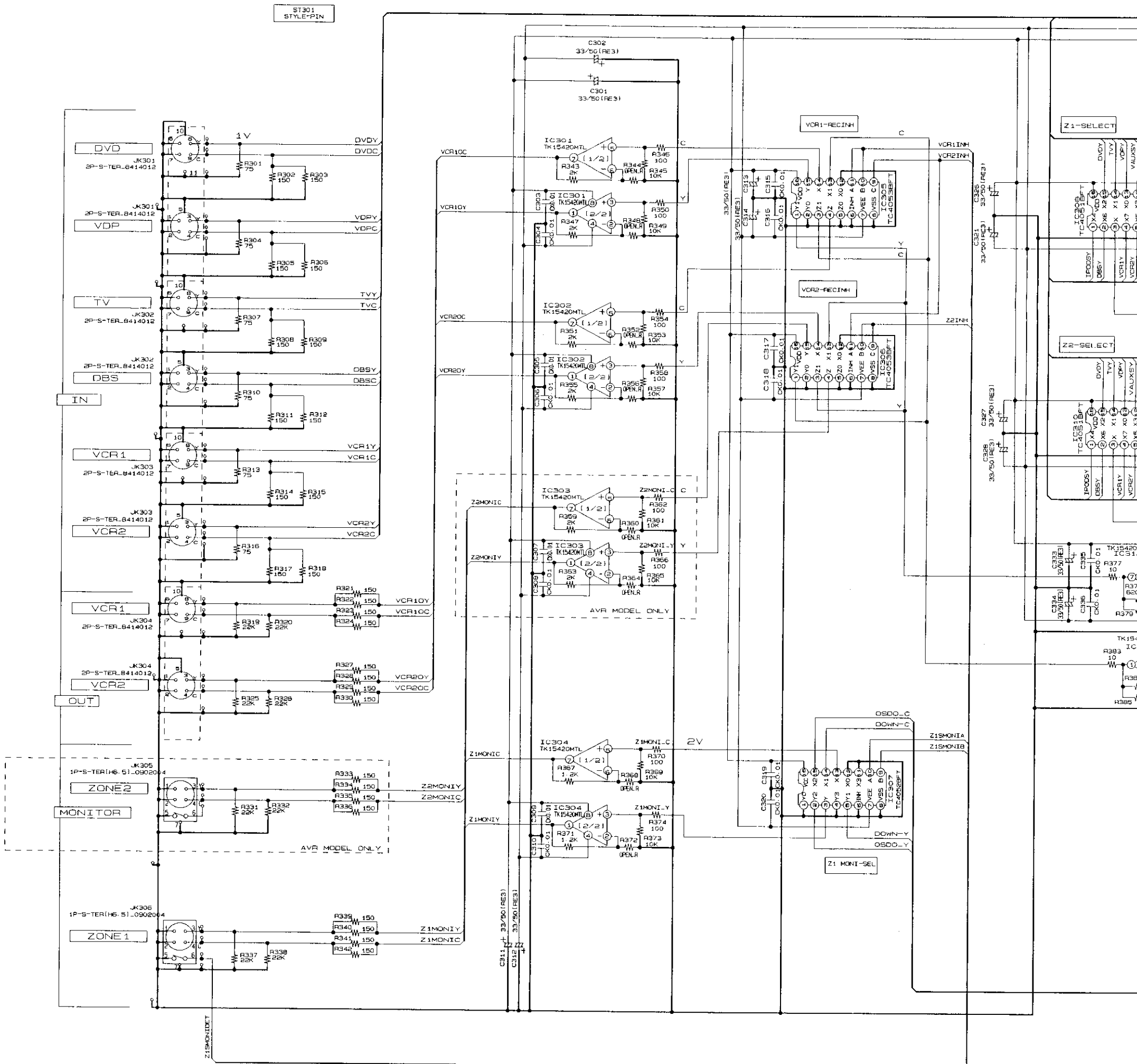




SCHMATIC DIAGRAMS (13/34)  
 1U-3743-5 COMP-VIDEO UNIT

SCHEMATIC DIAGRAMS (14/34)

1 2 3 4 5 6



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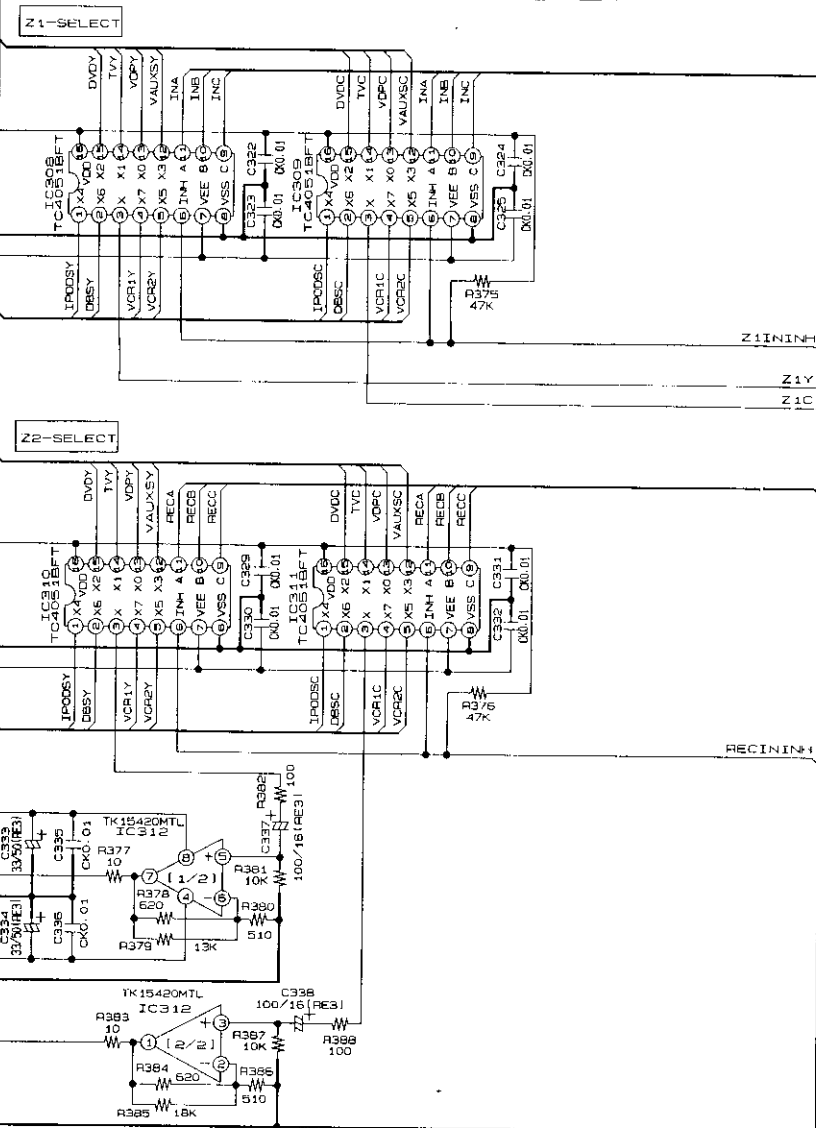
E

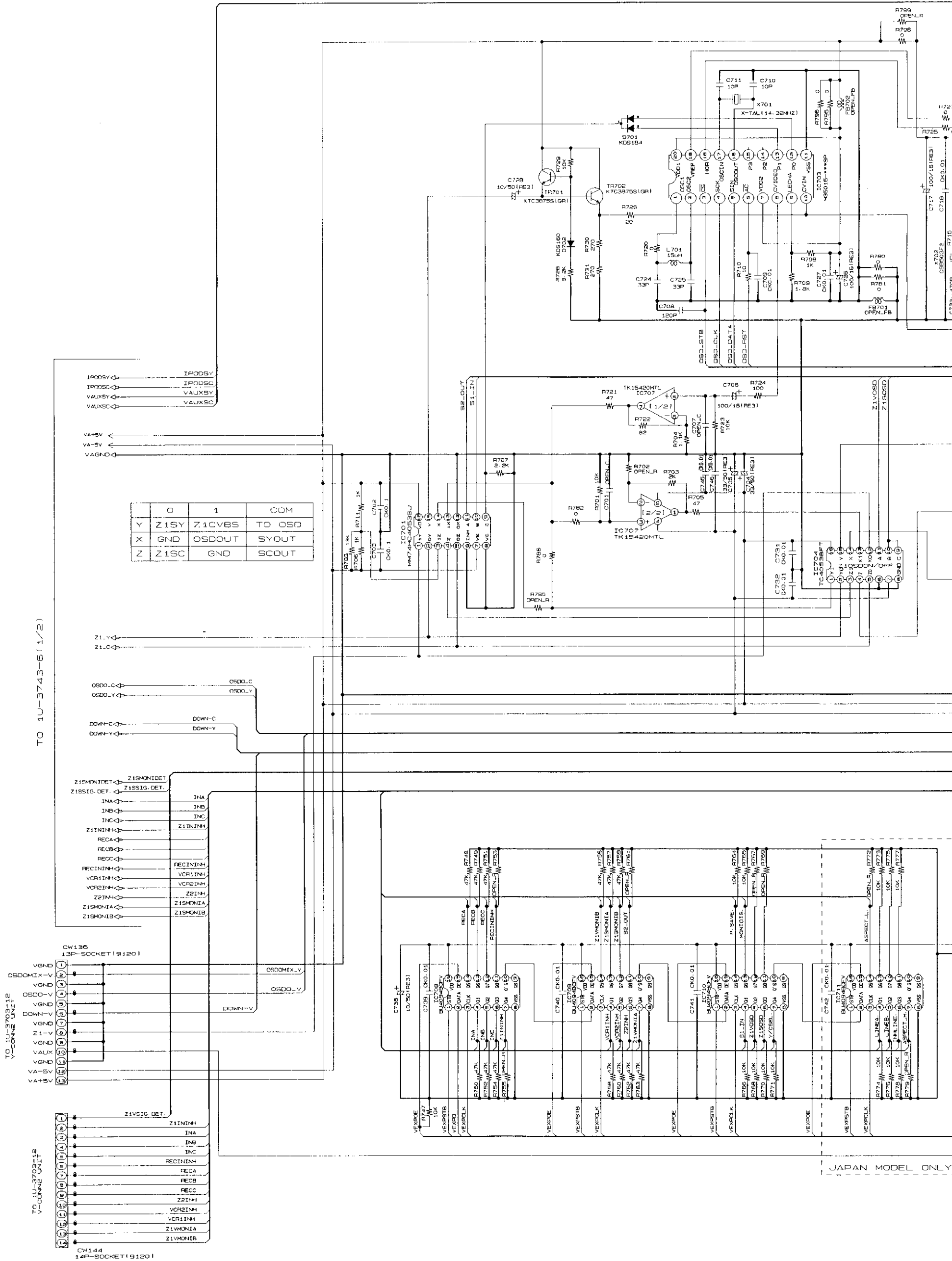
F

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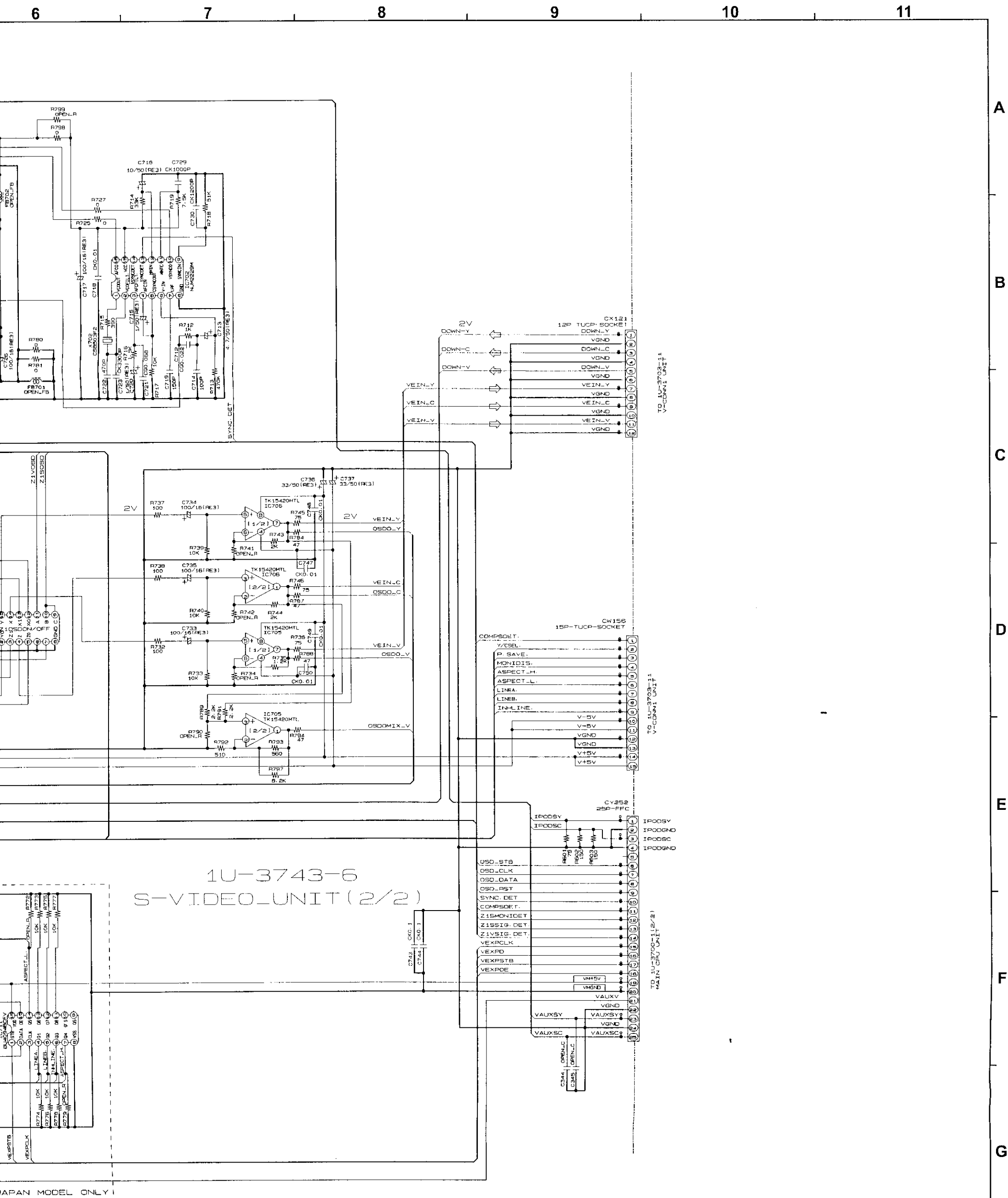
1U-3743-6  
S-VIDEO-UNIT (1/2)





	0	1	COM
Y	Z1SY	Z1CVBS	TO OSD
X	GND	OSDOUT	SYOUT
Z	Z1SC	GND	SCOUT

JAPAN MODEL ONLY



SCHEMATIC DIAGRAMS (15/34)  
1U-3743-6 S-VIDEO UNIT (2/2)



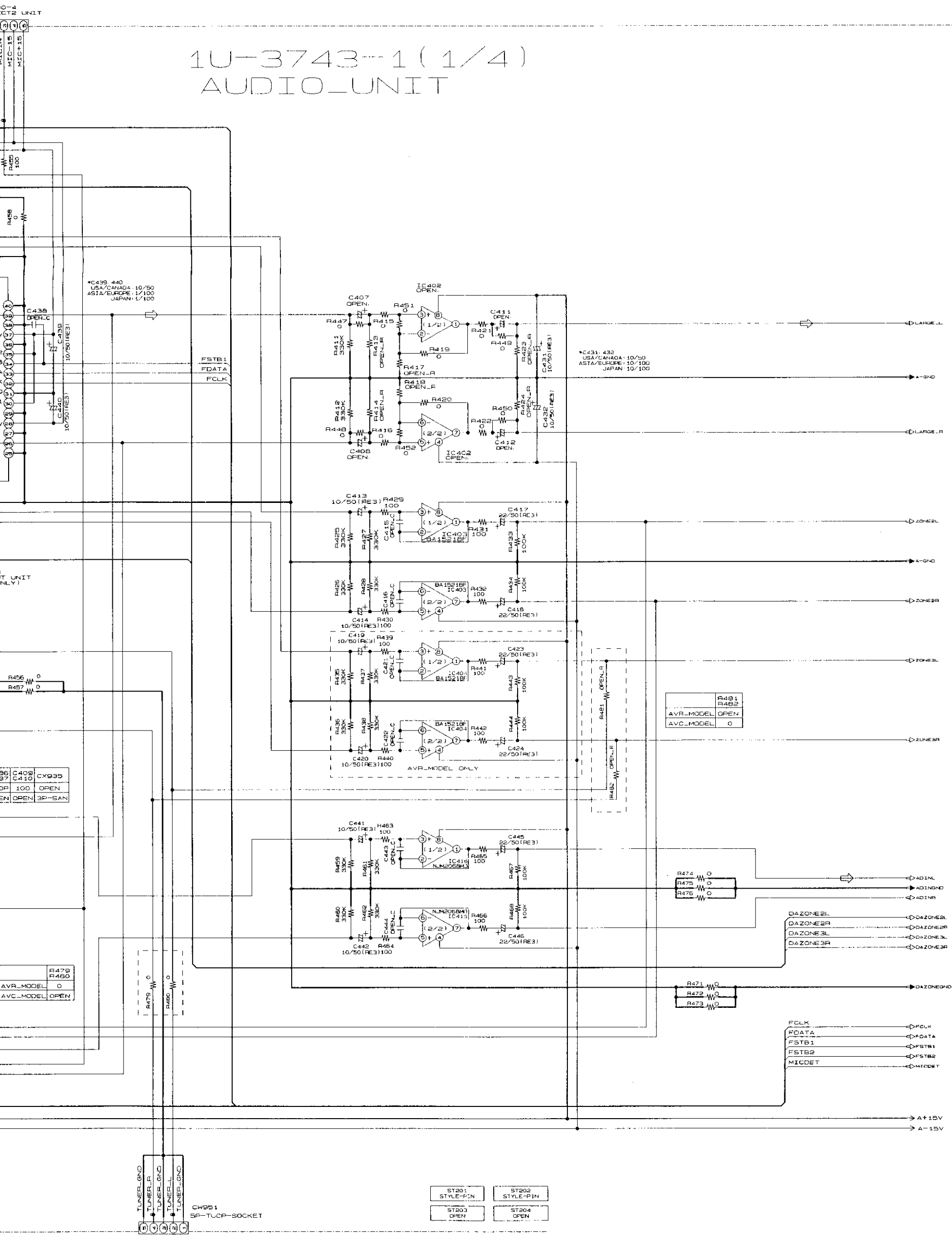




7 8 9 10 11

A  
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# 1U-3743-1 (1/4) AUDIO\_UNIT



TO 1U-3743-1 (2/4)

R456	0
R457	0
C409	CX935
C410	OPEN
OP	100
EN	OPEN
3P-SAN	

R479	0
R480	0
AVR_MODEL	0
AVC_MODEL	OPEN

R481	0
R482	0
AVR_MODEL	OPEN
AVC_MODEL	0

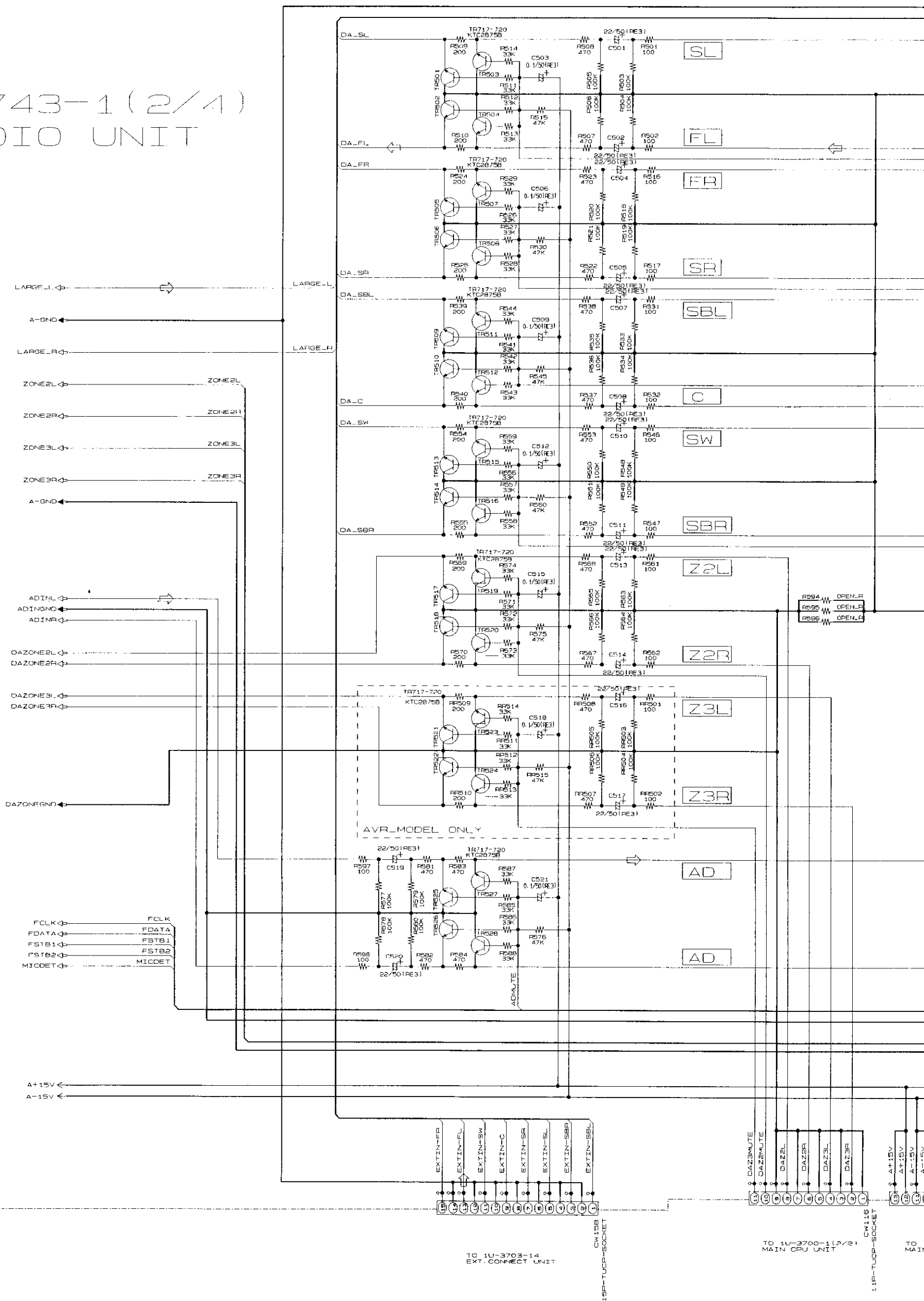
ST201	STYLE-PIN
ST202	STYLE-PIN
ST203	OPEN
ST204	OPEN

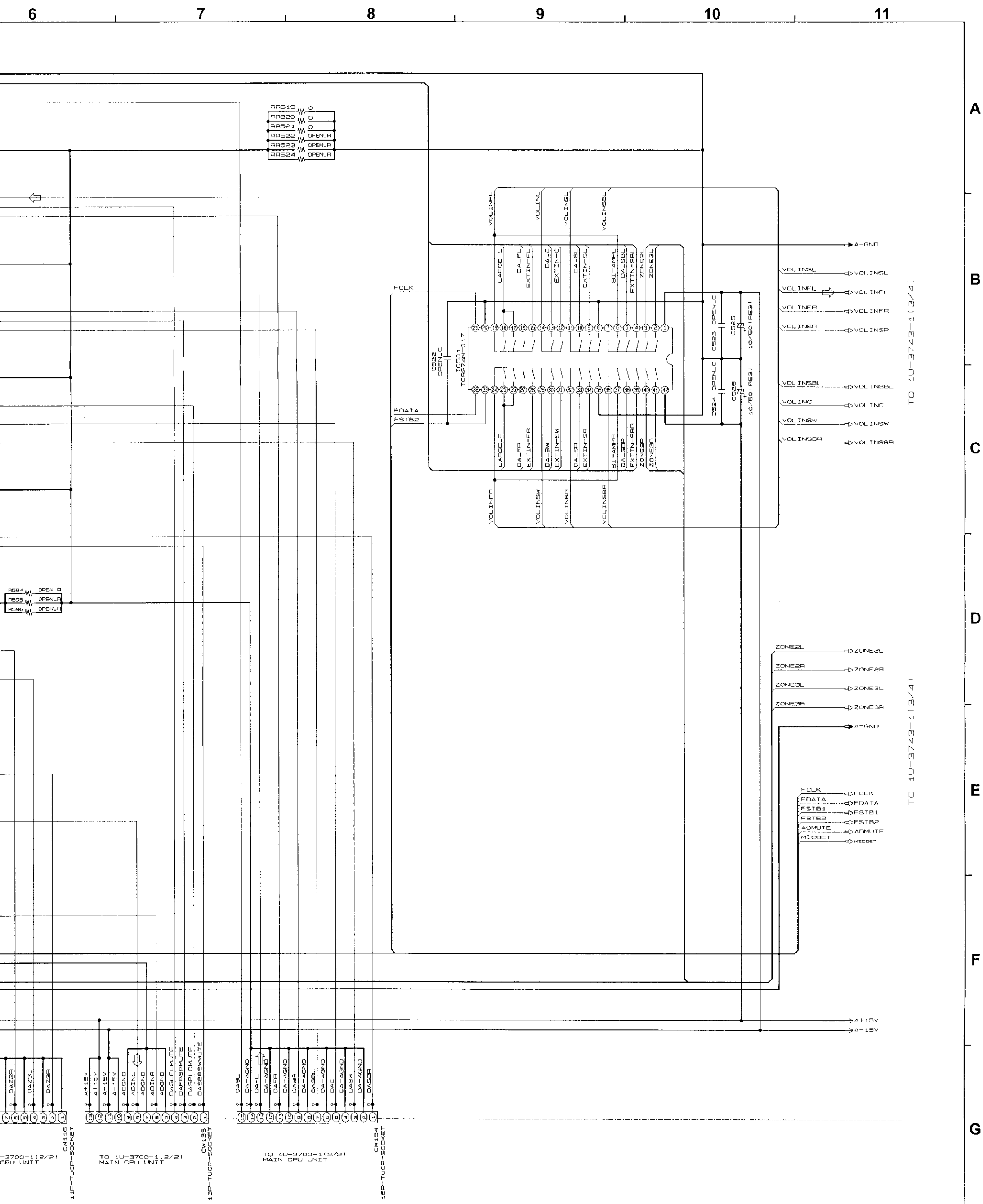
TO 1U-3700-1(2/2)  
MAIN CPU UNIT

### SCHEMATIC DIAGRAMS (16/34) 1U-3743-1 AUDIO UNIT (1/4)

1U-3743-1 (2/4)  
AUDIO UNIT

TO 1U-3743-1 (1/4)





TO 1U-3743-1 (3/4)

TO 1U-3743-1 (3/4)

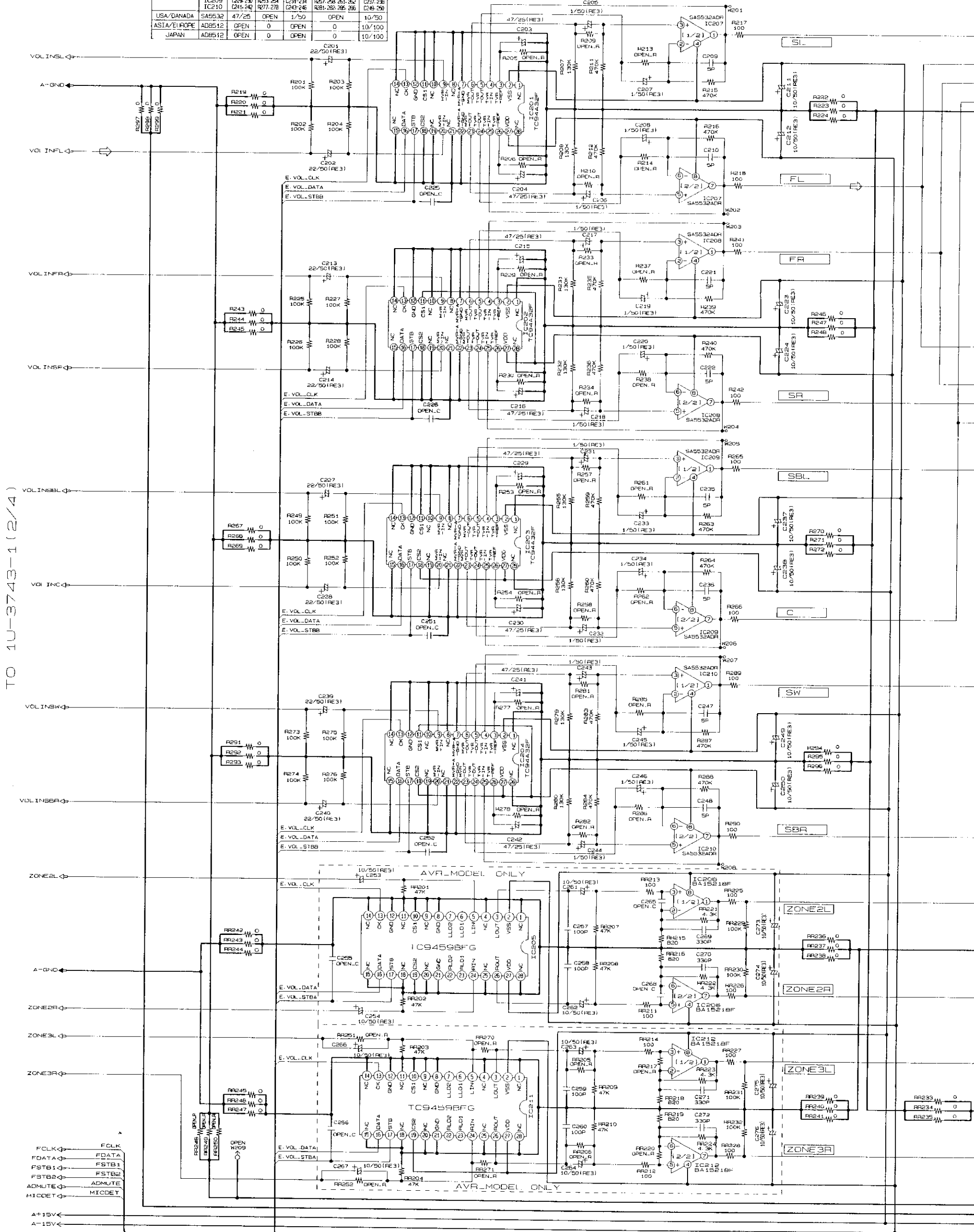
SCHEMATIC DIAGRAMS (17/34)  
1U-3743-1 AUDIO UNIT (2/4)

A  
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# SCHEMATIC DIAGRAMS (18/34)

1 2 3 4 5 6

IC207	C203-204	R205-206	C205-208	R209-210-213-214	C211-212
IC208	C215-216	R225-230	C217-220	R233-234-237-238	C233-234
IC209	C229-230	R231-234	C231-234	R257-258-261-262	C237-238
IC210	C241-242	R277-278	C243-246	R281-282-285-286	C249-250
USA/DANADA	SA5532	47/25	OPEN	1/50	OPEN
ASIA/EUROPE	AD8512	OPEN	0	OPEN	0
JAPAN	AD8512	OPEN	0	OPEN	0

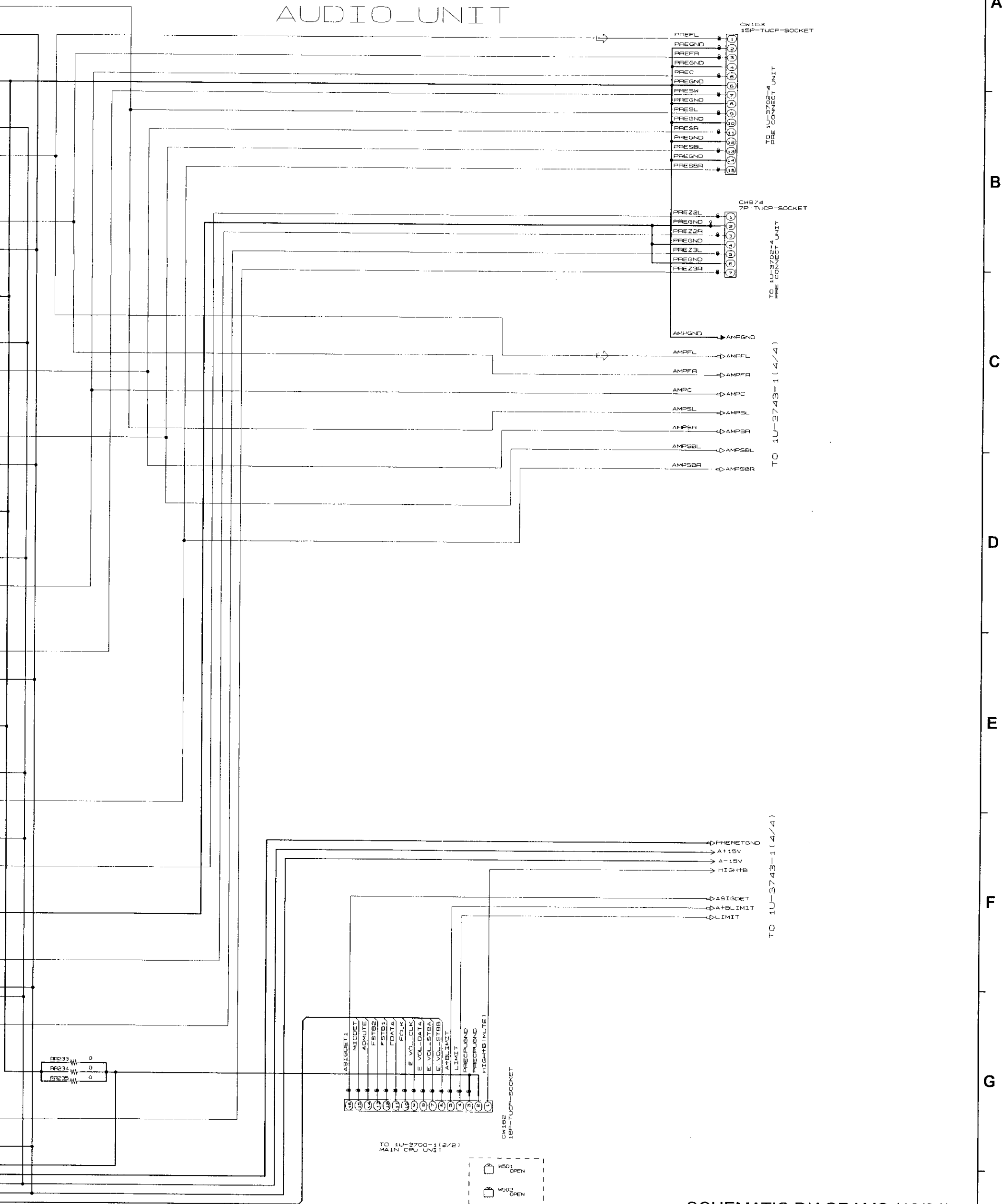


TO 1U-3743-1 (2/4)

- FCLK → FCLK
- FDATA → FDATA
- FSTB1 → FSTB1
- FSTB2 → FSTB2
- ADMUTE → ADMUTE
- MICDET → MICDET
- A+15V →
- A-15V →

6 7 8 9 10 11

# 1U-3743-1 (3/4) AUDIO UNIT



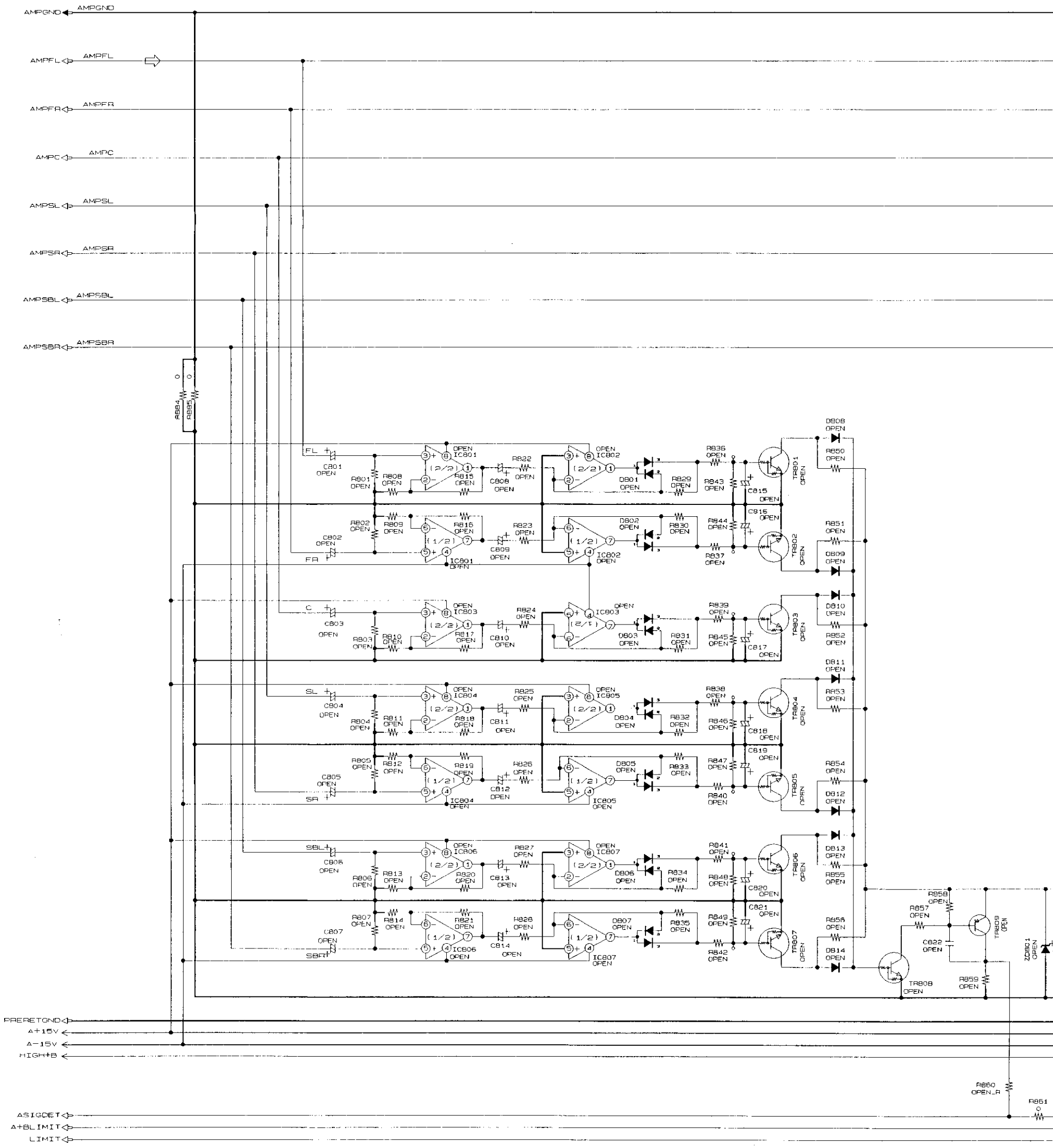
A  
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SCHMATIC DIAGRAMS (18/34)  
1U-3743-1 AUDIO UNIT (3/4)

# 1U-3743-1 (4/4) AUDIO UNIT

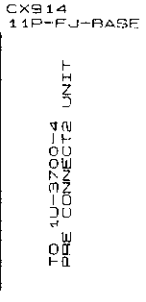
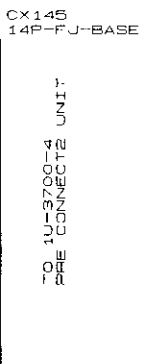
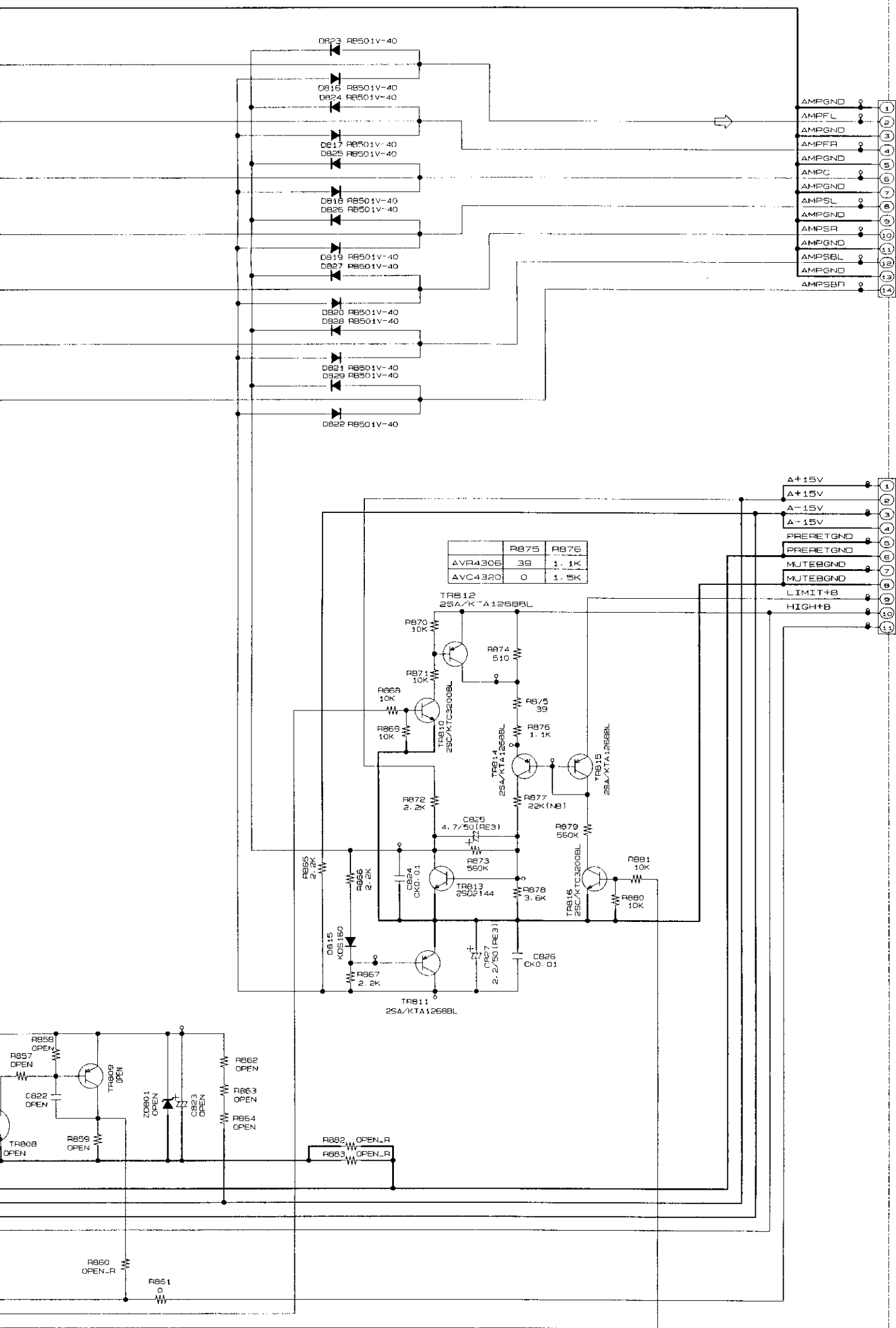
TO 1U-3743-1 (3/4)

TO 1U-3743-1 (3/4)



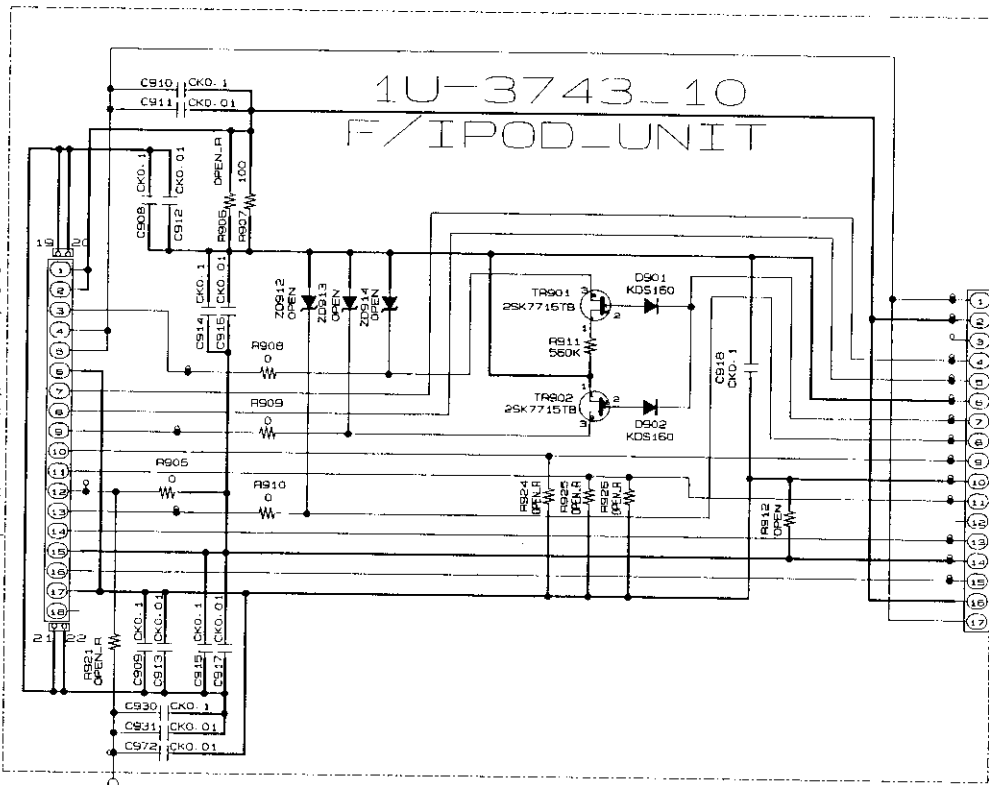
6 7 8 9 10 11

A  
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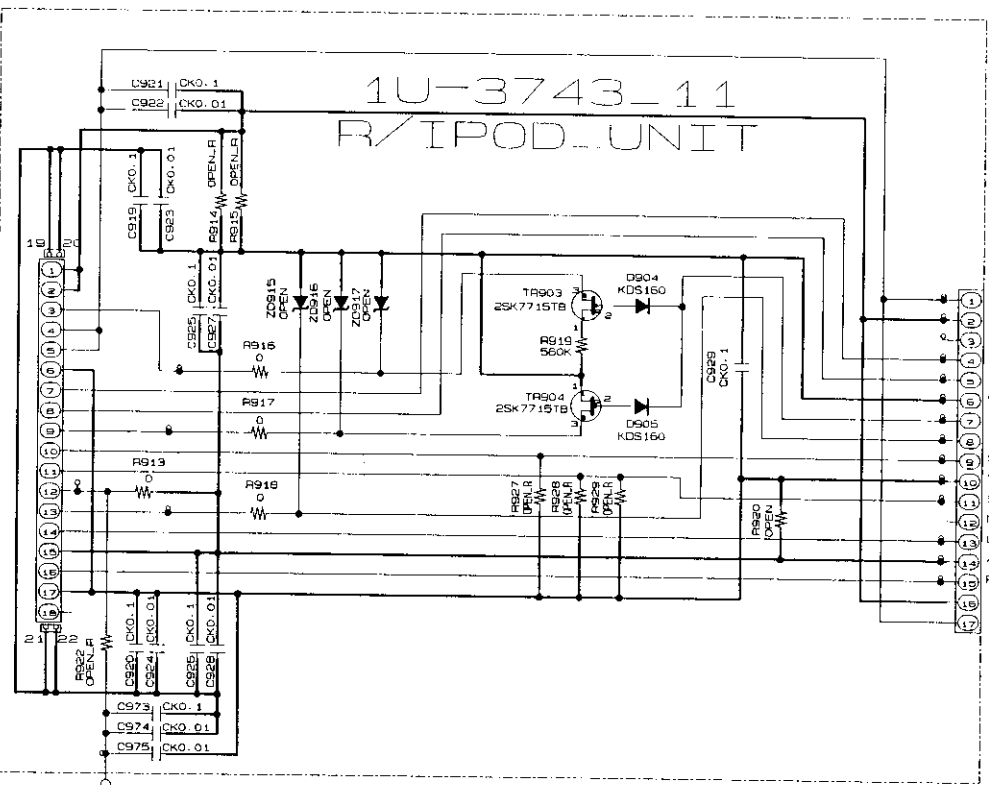
SCHEMATIC DIAGRAMS (19/34)  
1U-3743-1 AUDIO UNIT (4/4)

iPod



17P\_FFCBASE\_9610SIDE (SMT)  
 CX175  
 17P-FFCs (9610)  
 1p0d9V  
 1p0dGND  
 TXDMO  
 RXDMI  
 GND  
 IPOD\_ID  
 IPOD\_CON.  
 SY\_IPOD  
 VGND\_IPOD  
 SC\_IPOD  
 NC  
 L\_IPOD  
 AGND\_IPOD  
 R\_IPOD  
 1p0dGND  
 1p0d9V  
 TO 1U-3700-4  
 PRE CONNECT2 UNIT

iPod



17P\_FFCBASE-DIP-1.25.SIDE  
 CX179  
 17P-FFCs  
 1p0d9V  
 1p0dGND  
 TXDMO  
 RXDMI  
 GND  
 IPOD\_ID  
 IPOD\_CON.  
 SY\_IPOD  
 VGND\_IPOD  
 SC\_IPOD  
 NC  
 L\_IPOD  
 AGND\_IPOD  
 R\_IPOD  
 1p0dGND  
 1p0d9V  
 TO 1U-3700-4  
 PRE CONNECT2 UNIT

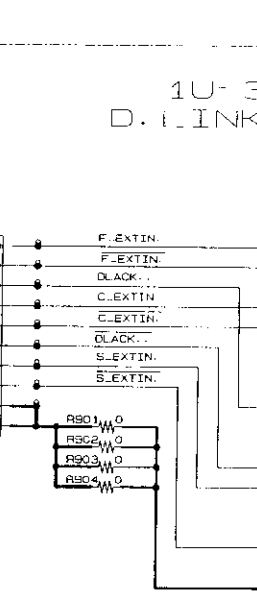
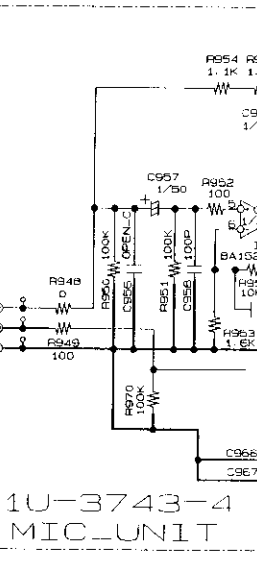
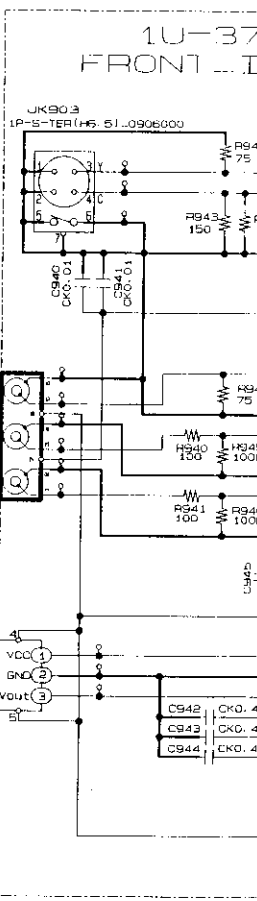
FRONT  
V. AUX

FRONT  
V. AUX

FRONT  
V. AUX

FRONT  
MICIN

D. LINK  
INPUT

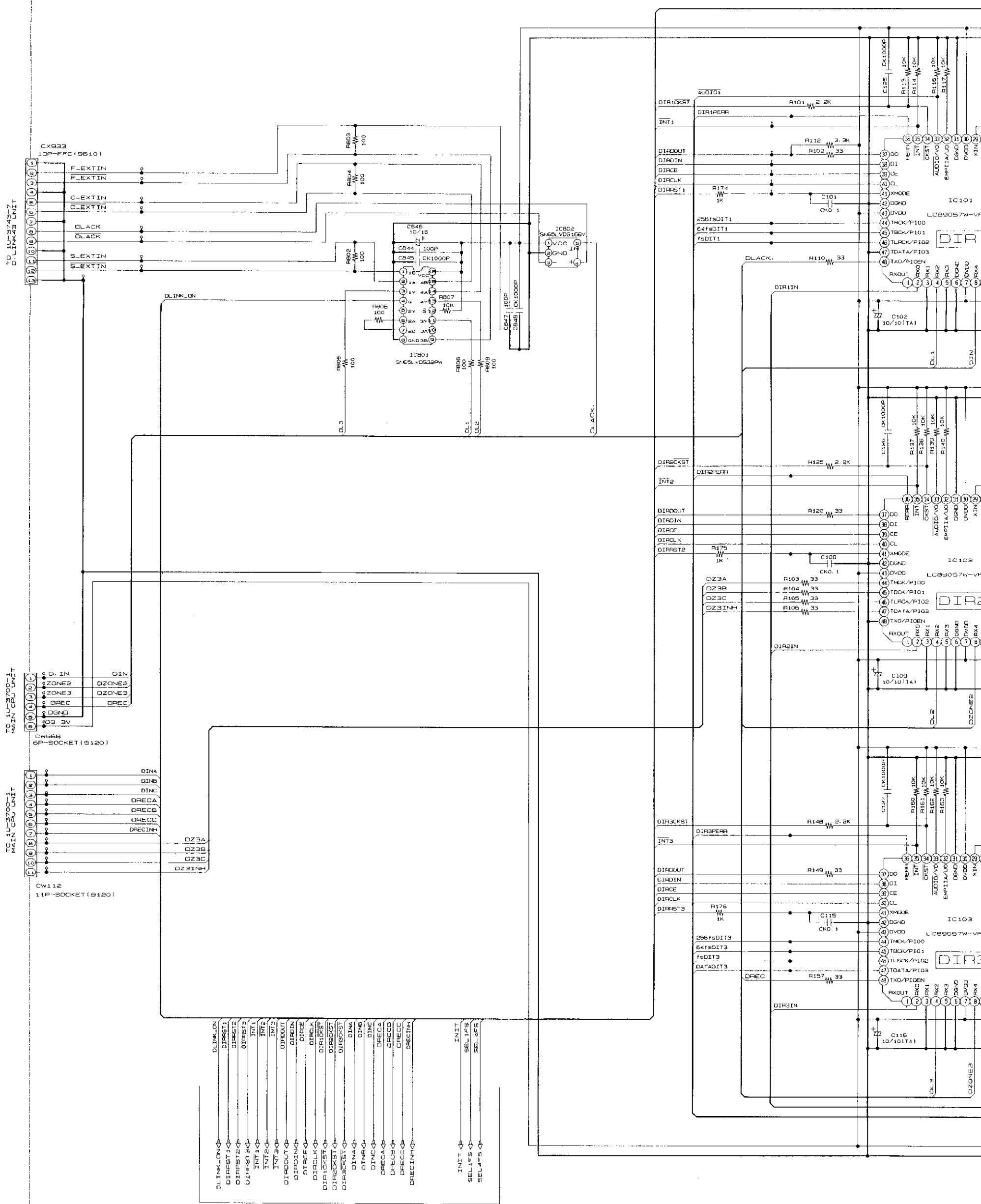






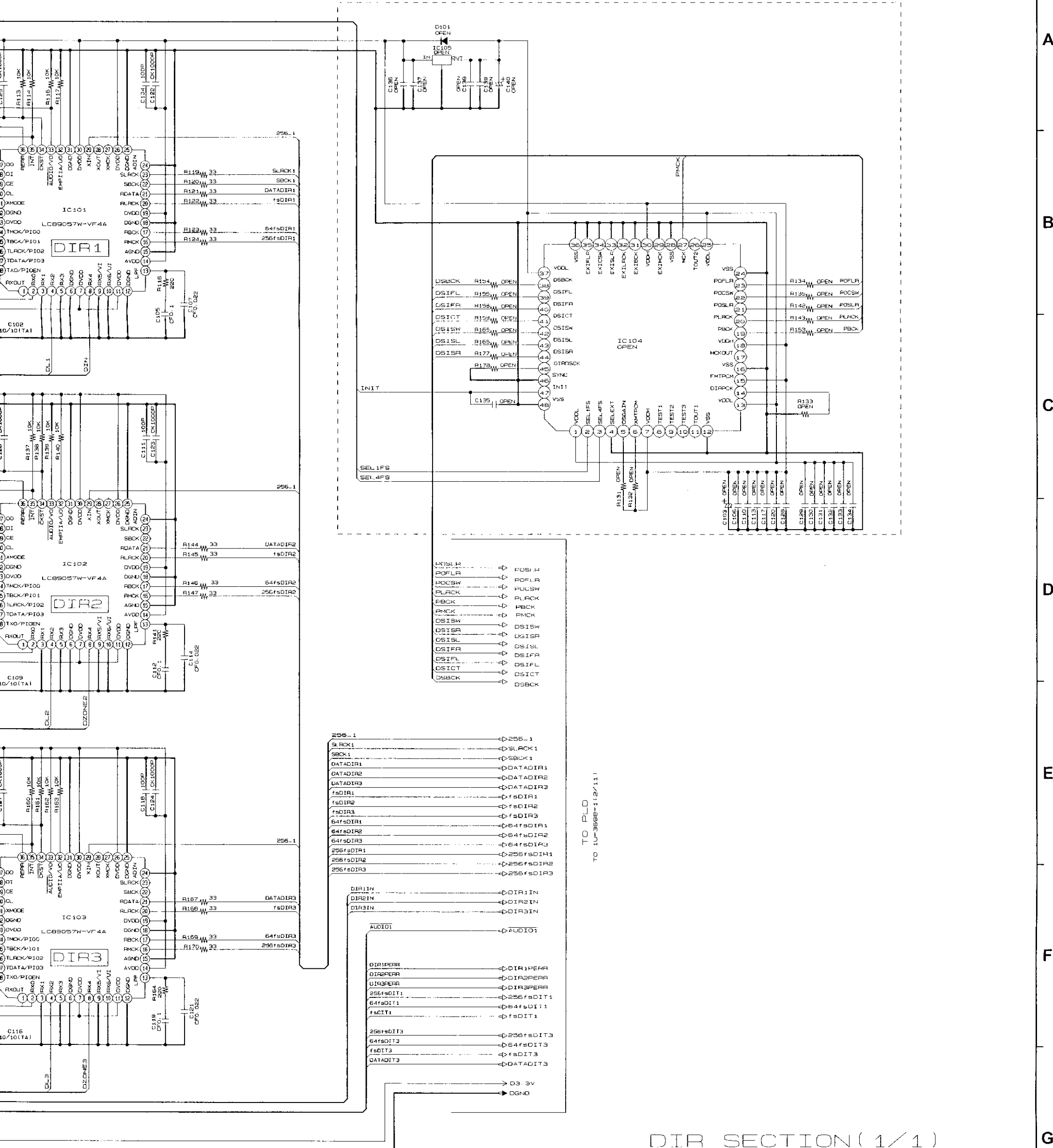
SCHEMATIC DIAGRAMS (21/34)

1 2 3 4 5 6



TO SUBCPU  
TO 4U-369B-113/111

6 7 8 9 10 11



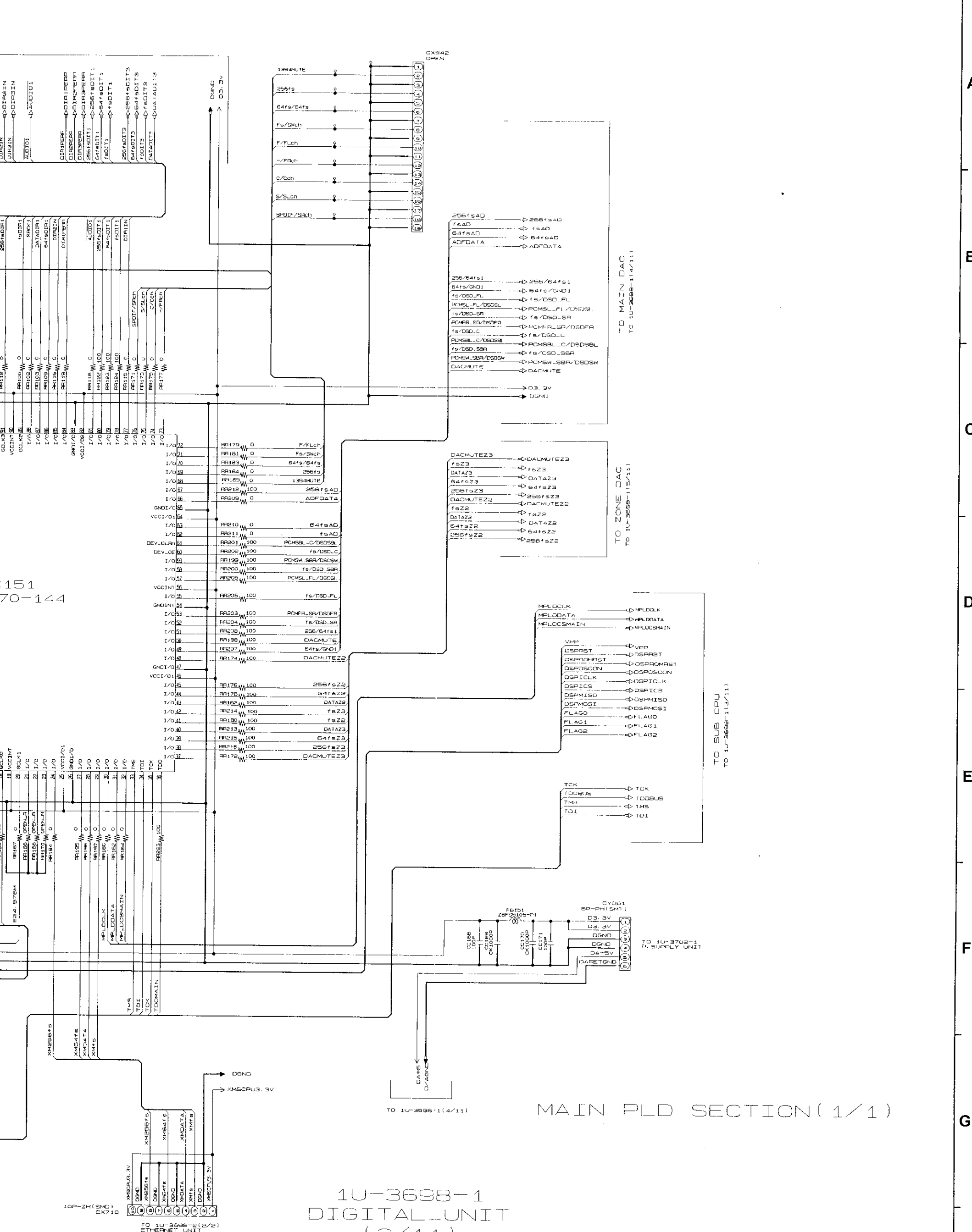
1U-3698-1  
DIGITAL UNIT  
(1/11)

SCHEMATIC DIAGRAMS (21/34)  
1U-3698-1 DIGITAL UNIT (1/11)

A  
B  
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F  
G  
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6 7 8 9 10 11



1U-3698-1  
DIGITAL UNIT  
(2/11)

MAIN PLD SECTION (1/1)

SCHEMATIC DIAGRAMS (22/34)  
1U-3698-1 DIGITAL UNIT (2/11)



6

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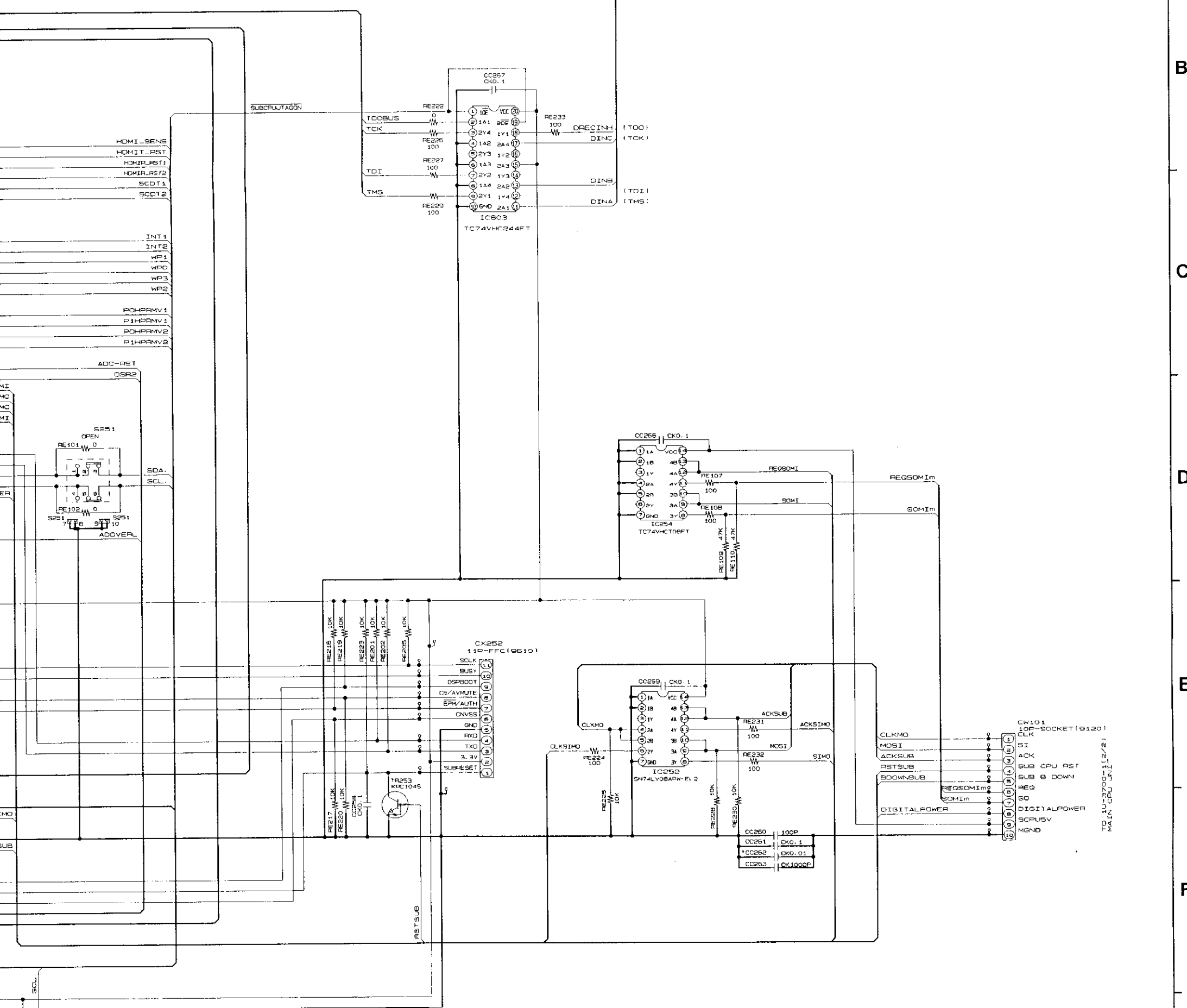
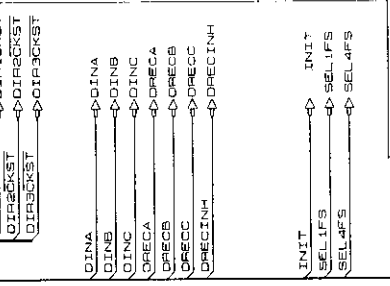
8

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TO DIR  
1U-3698-1(1/11)



SUB CPU SECTION (1/1)

1U-3698-1  
DIGITAL UNIT  
(3/11)

SCHEMATIC DIAGRAMS (23/34)  
1U-3698-1 DIGITAL UNIT (3/11)

A

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# SCHEMATIC DIAGRAMS (24/34)

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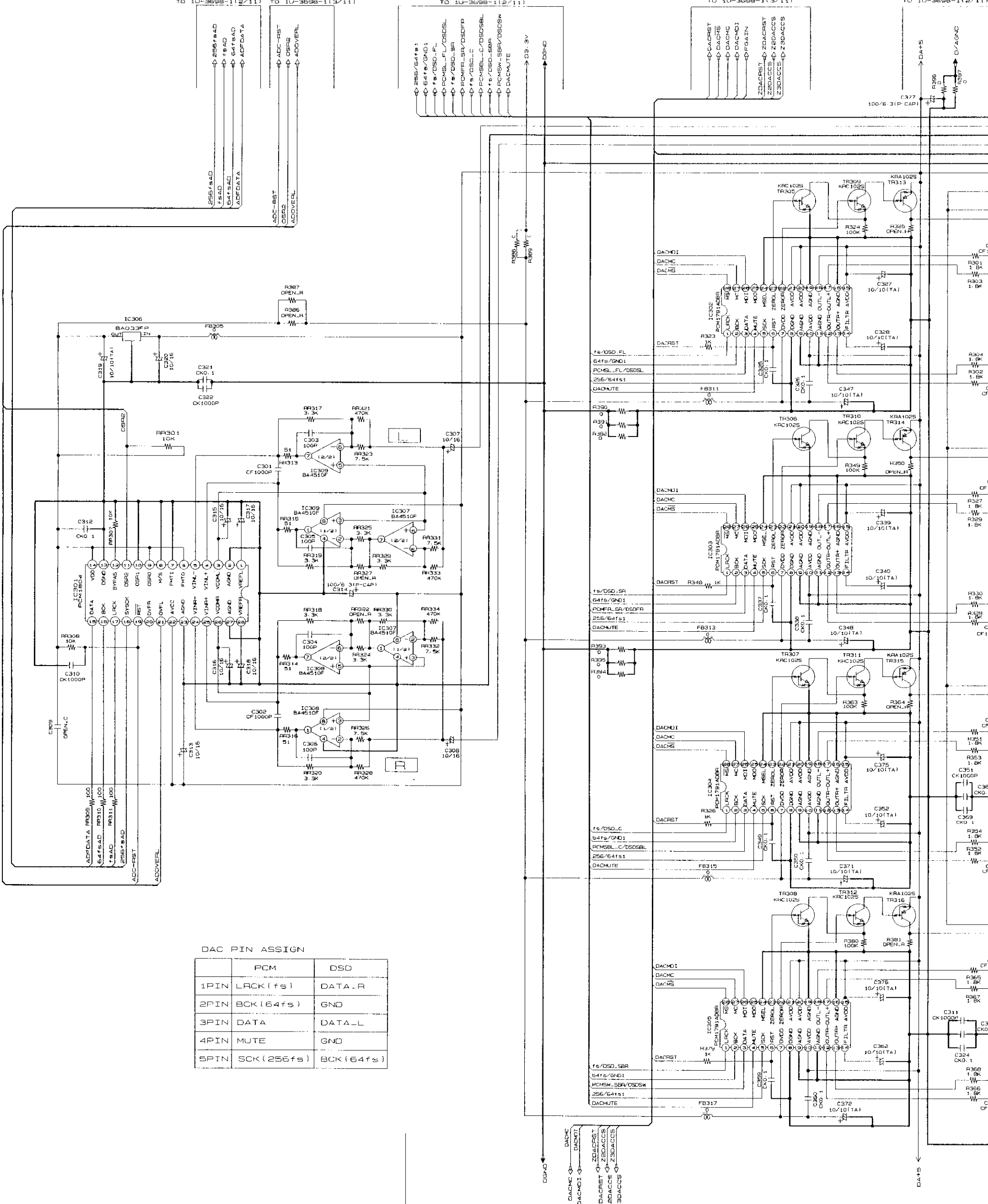
6

TO MAIN PLD TO 1U-3698-1(2/11)  
TO SUB CPU TO 1U-3698-1(3/11)

TO MAIN PLD TO 1U-3698-1(2/11)

TO SUB CPU TO 1U-3698-1(3/11)

TO MAIN PLD TO 1U-3698-1(2/11)



DAC PIN ASSIGN

	PCM	DSD
1PIN	LCK(64fs)	DATA-R
2PIN	BCK(64fs)	GND
3PIN	DATA	DATA-L
4PIN	MUTE	GND
5PIN	SCK(256fs)	BCK(64fs)

TO ZONE DAC TO 1U-3698-1(5/11)

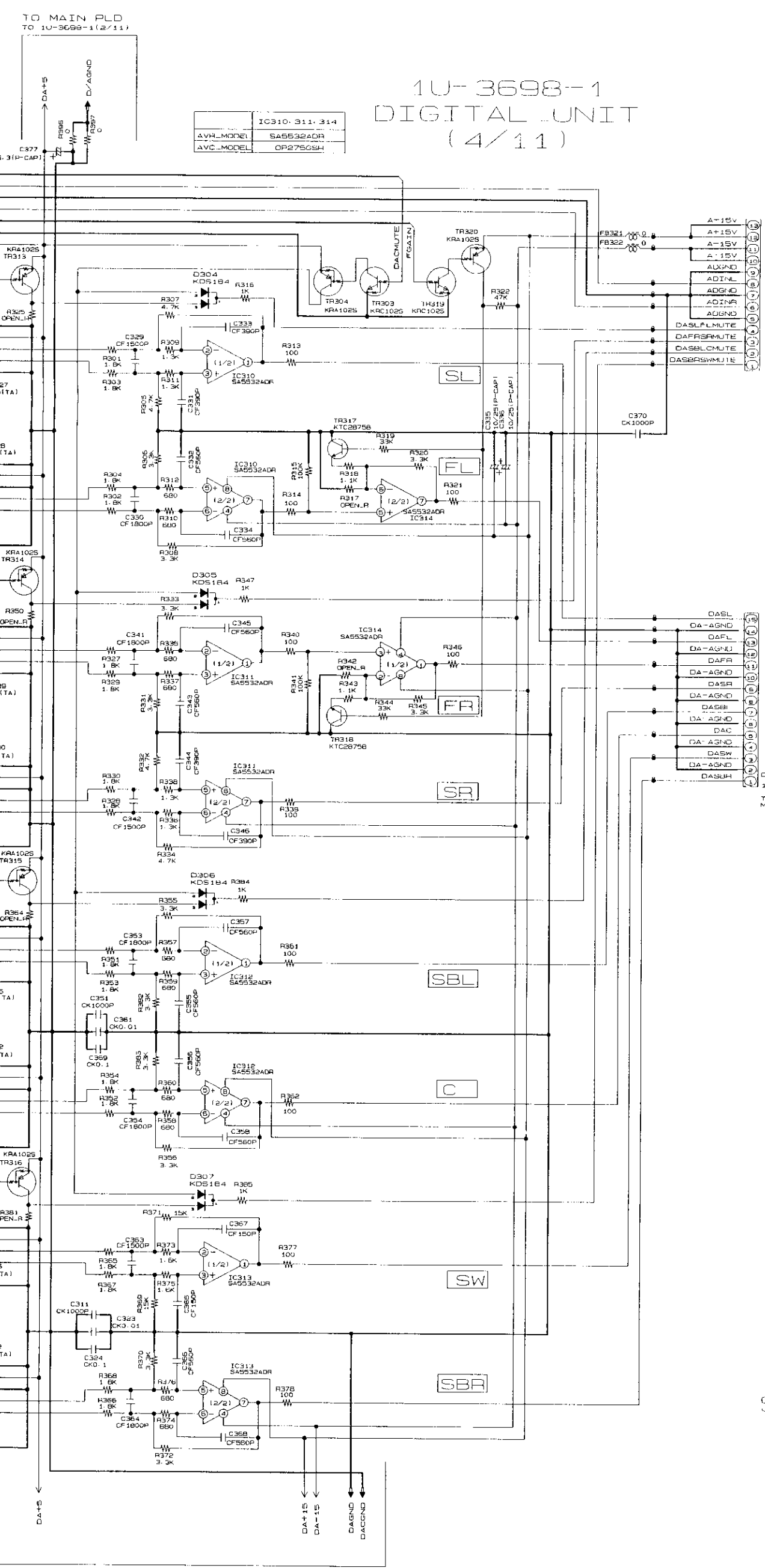


6 7 8 9 10 11

A  
B  
C  
D  
E  
F  
G  
H

# 1U-3698-1 DIGITAL UNIT (4/11)

IC310-311-314
AVR_MODEL SA5532ADR
AVC_MODEL OP275GSH



## MAIN DAC SECTION (1/1)

SCHEMATIC DIAGRAMS (24/34)  
1U-3698-1 DIGITAL UNIT (4/11)

TO MAIN DAC  
TO 1U-3698-1(4/11)

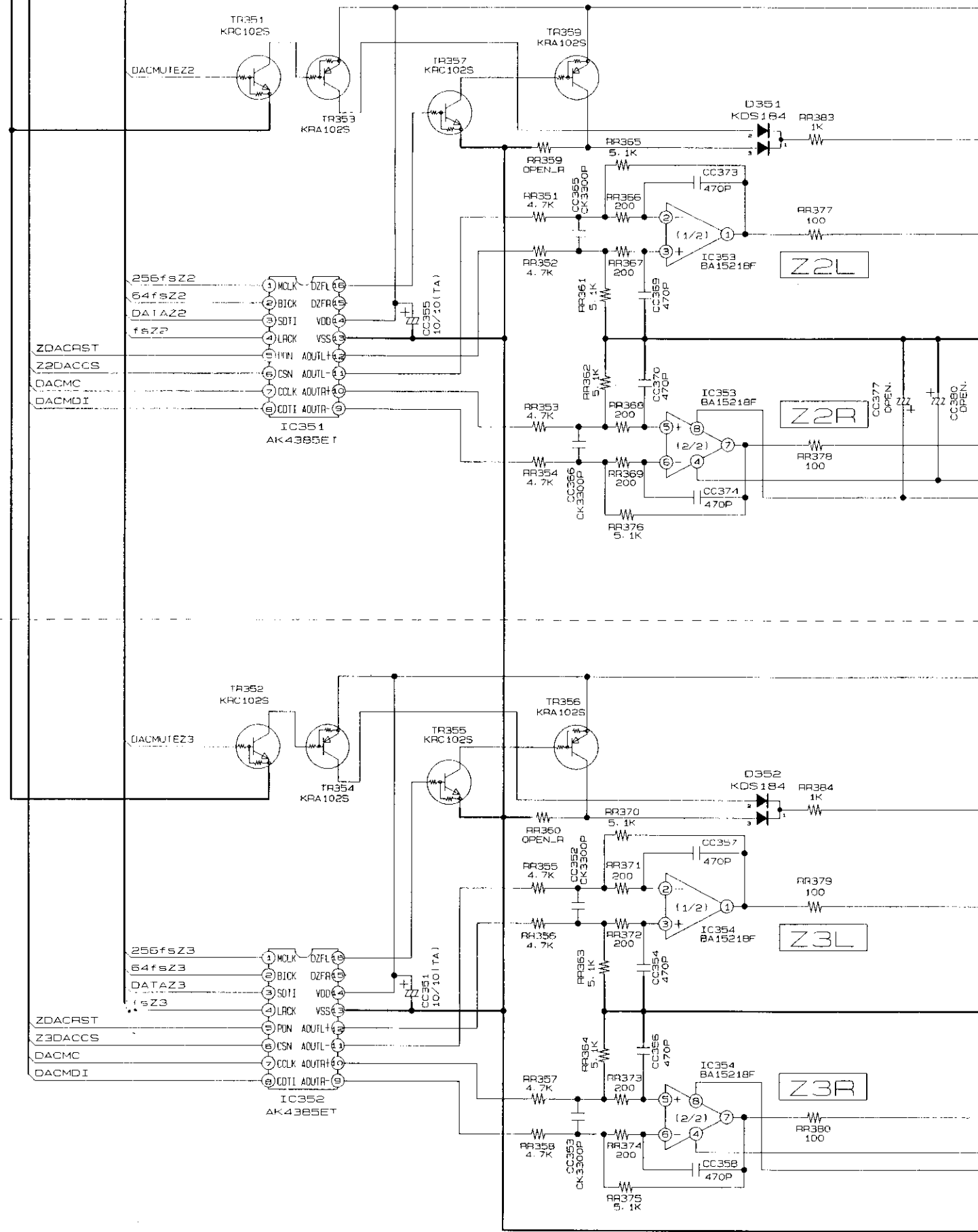
TO MAIN FLID  
TO 1U-3698-1(2/11)

DACMC  
DACMDI  
ZDACRST  
Z2DACCS  
Z3DACCS

256fsZ2  
64fsZ2  
DATAZ2  
fsZ2  
DACMUTEZ2  
256fsZ3  
64fsZ3  
DATAZ3  
fsZ3  
DACMUTEZ3

1U-3698-1  
DIGITAL UNIT  
(5/11)

ZONE-2 DAC



ZONE-3 DAC

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TO MAIN DAC  
TO 1U-3698-1(4/11)

DGND  
DA+5  
DA+15  
DA-15  
DAGND  
DACGND

RR363  
1K  
W

RR377  
100  
W

Z2L

Z2R

RR378  
100  
W

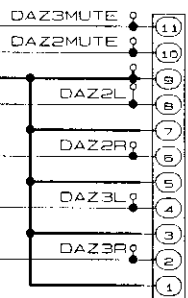
RR384  
1K  
W

RR379  
100  
W

Z3L

Z3R

RR380  
100  
W



CW113  
11P-SOCKET (9120)  
TO 1U-3700-2(2/2)  
MAIN CPU UNIT

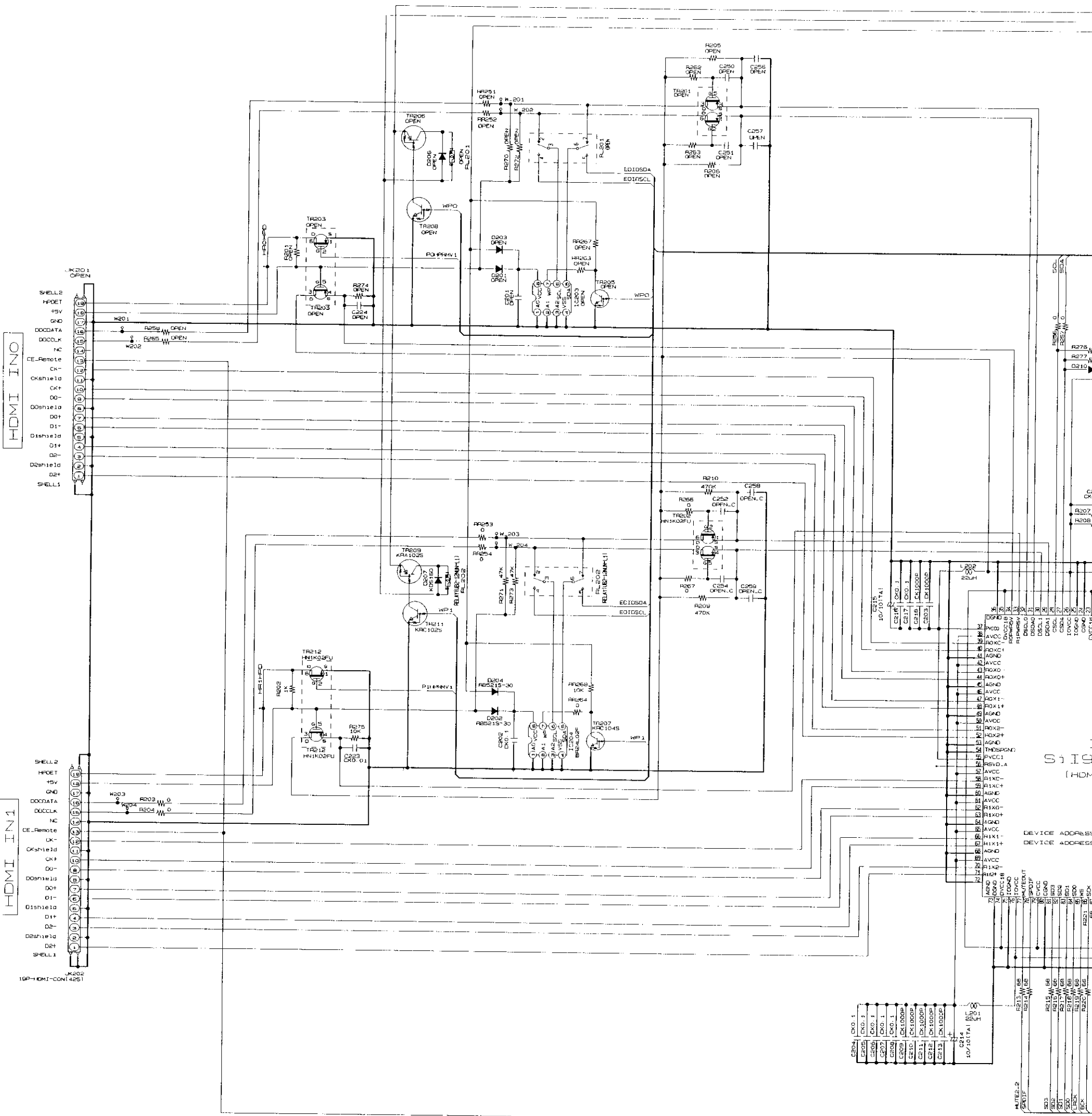
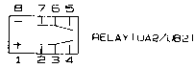
ZONE DAC SECTION (1/1)

1U-3698-1  
DIGITAL UNIT  
(5/11)

AVR4306\_ONLY

SCHEMATIC DIAGRAMS (26/34)

1 2 3 4 5 6



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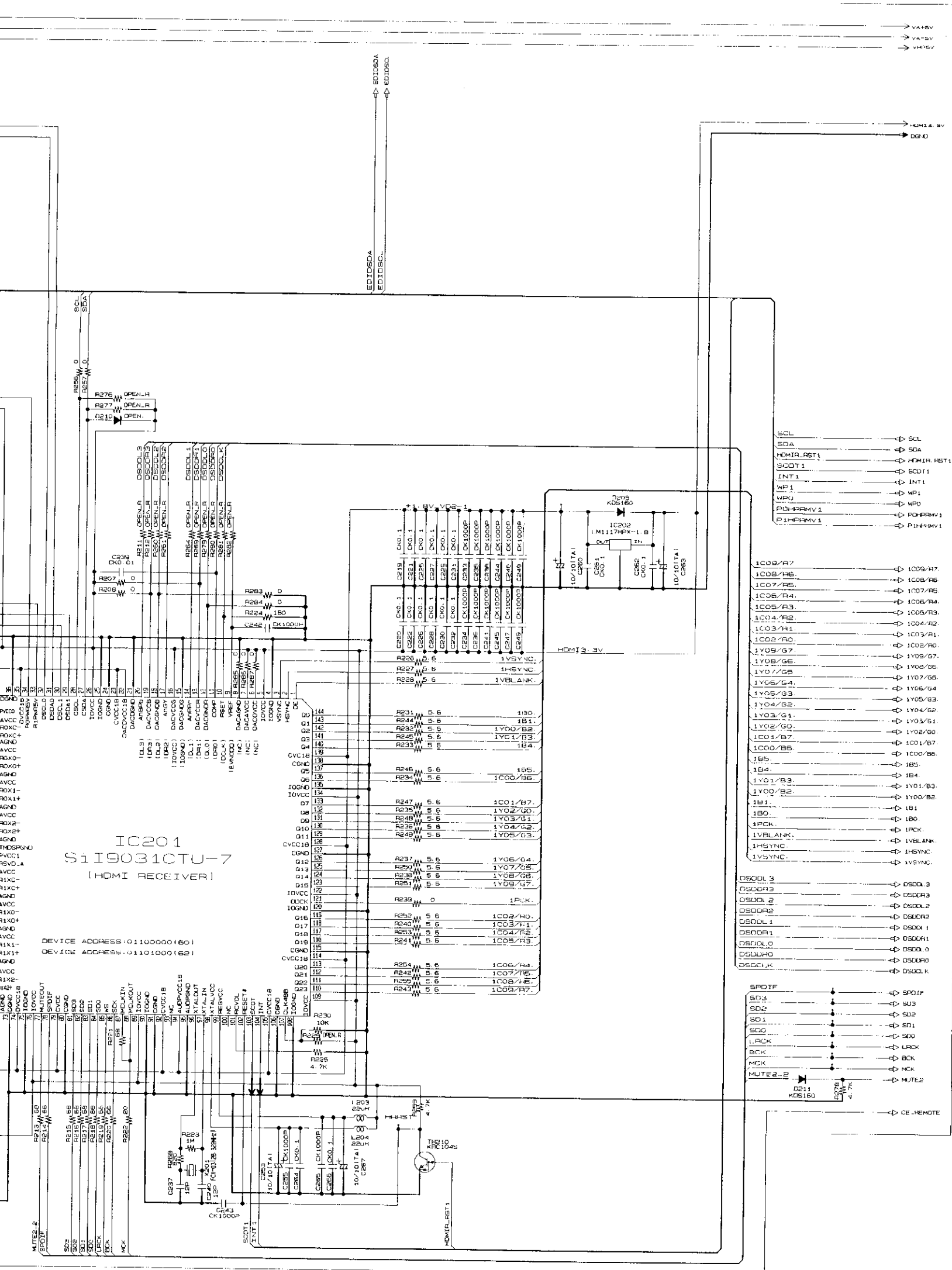
D

E

F

G

H



- VA+5V
- VA+3V
- VHT5V
- CH1A: 3V
- DGND
- SCL
- SDA
- HDMI\_RST1
- SCOT1
- INT1
- WP1
- WP0
- P1HFRMV1
- P1HFRMV1

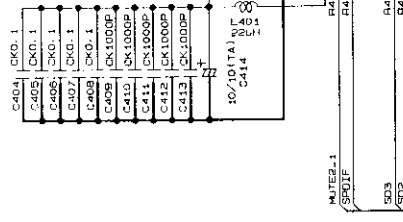
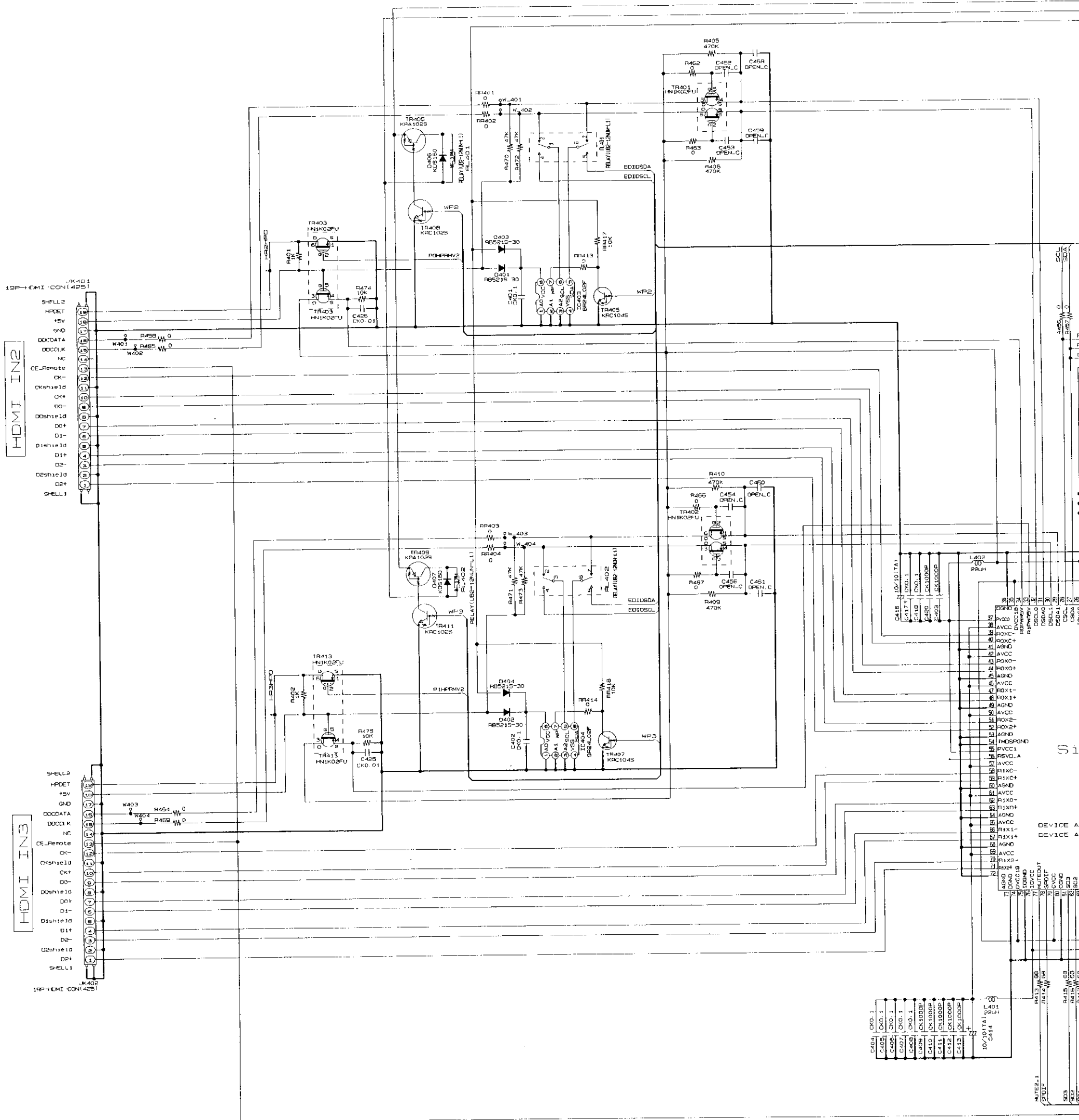
- 1C00/A7
- 1C00/A6
- 1C07/A5
- 1C07/A4
- 1C06/A3
- 1C04/A2
- 1C03/A1
- 1C02/A0
- 1Y09/G7
- 1Y08/G6
- 1Y07/G5
- 1Y06/G4
- 1Y05/G3
- 1Y04/G2
- 1Y03/G1
- 1Y02/G0
- 1C01/B7
- 1C00/B6
- 1B5
- 1B4
- 1Y01/B3
- 1Y00/B2
- 1B1
- 1B0
- 1PK
- 1VBLANK
- 1HSYNC
- 1VSYNC
- DS00A\_3
- DS00A\_2
- DS00A\_1
- DS00A\_0
- DS00A\_K
- SP01F
- S03
- S02
- S01
- S00
- LACK
- BCK
- MCK
- MUTE2
- CE-REMOTE

TO BUS SW  
TO 1U-3698-1 (10/11)

HDMI IN SECTION (1/2)

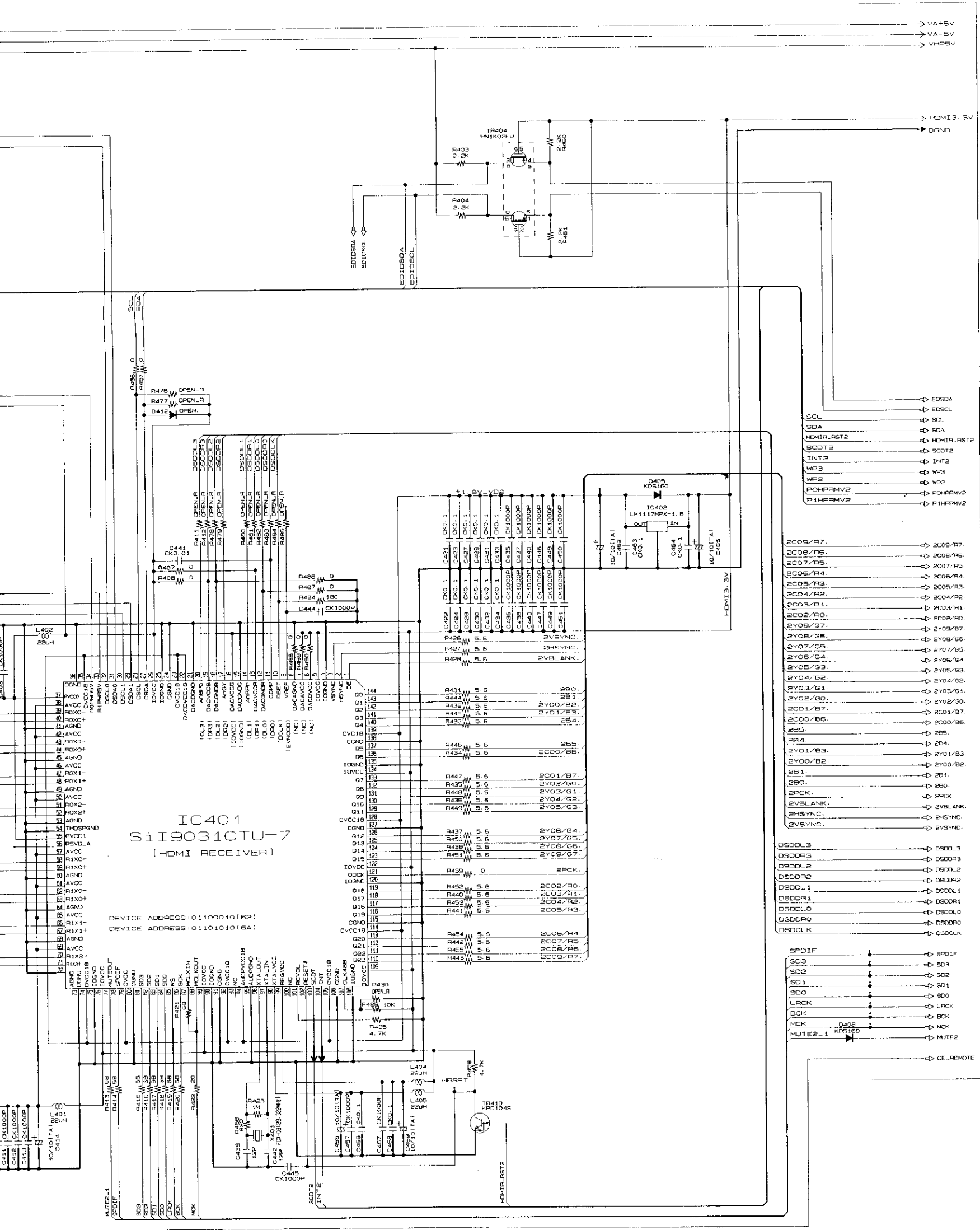
1U-3698-1  
DIGITAL UNIT  
(6/11)

SCHEMATIC DIAGRAMS (26/34)  
1U-3698-1 DIGITAL UNIT (6/11)



6 7 8 9 10 11

A  
B  
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E  
F  
G  
H



TO BUS SW  
TO 1U-3698-1 (10/11)

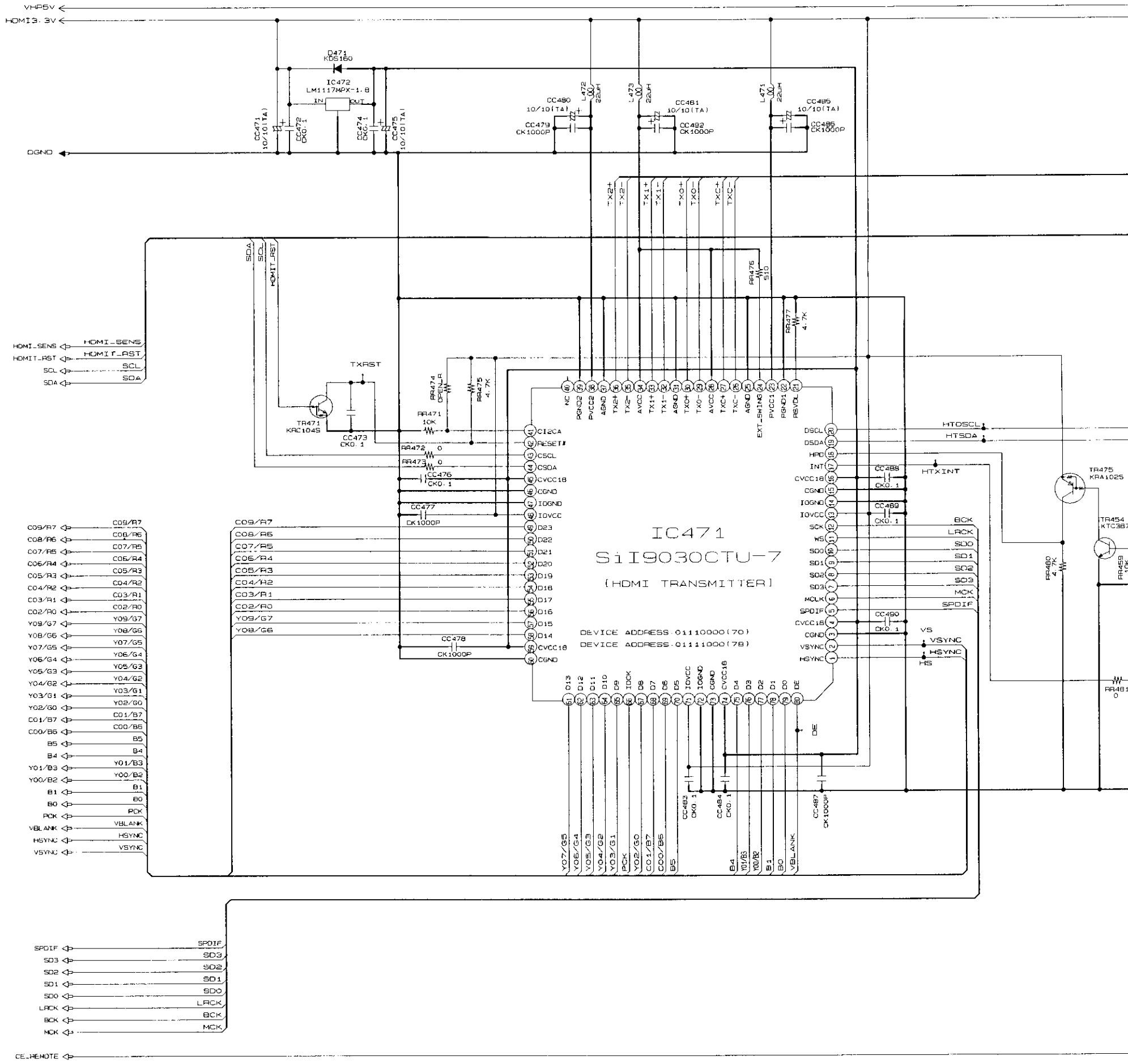
HDMI IN SECTION(2/2)

1U-3698-1  
DIGITAL UNIT  
(7/11)

SCHEMATIC DIAGRAMS (27/34)  
1U-3698-1 DIGITAL UNIT (7/11)

TO BUS SW

TO 1U-365B-1 (10/11)



- C09/R7 ↔ C05/R7
- C08/R6 ↔ C06/R6
- C07/R5 ↔ C07/R5
- C06/R4 ↔ C05/R4
- C05/R3 ↔ C05/R3
- C04/R2 ↔ C04/R2
- C03/R1 ↔ C03/R1
- C02/R0 ↔ C02/R0
- Y09/G7 ↔ Y09/G7
- Y08/G6 ↔ Y08/G6
- Y07/G5 ↔ Y07/G5
- Y06/G4 ↔ Y06/G4
- Y05/G3 ↔ Y05/G3
- Y04/G2 ↔ Y04/G2
- Y03/G1 ↔ Y03/G1
- Y02/G0 ↔ Y02/G0
- C01/B7 ↔ C01/B7
- C00/B6 ↔ C00/B6
- B5 ↔ B5
- B4 ↔ B4
- Y01/B3 ↔ Y01/B3
- Y00/B2 ↔ Y00/B2
- B1 ↔ B1
- B0 ↔ B0
- PCK ↔ PCK
- VBLANK ↔ VBLANK
- HSYNC ↔ HSYNC
- VSYNC ↔ VSYNC

- SPDIF ↔ SPDIF
- SD3 ↔ SD3
- SD2 ↔ SD2
- SD1 ↔ SD1
- SD0 ↔ SD0
- LACK ↔ LACK
- BCK ↔ BCK
- MCK ↔ MCK

CE.REMOTE



7

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A

B

C

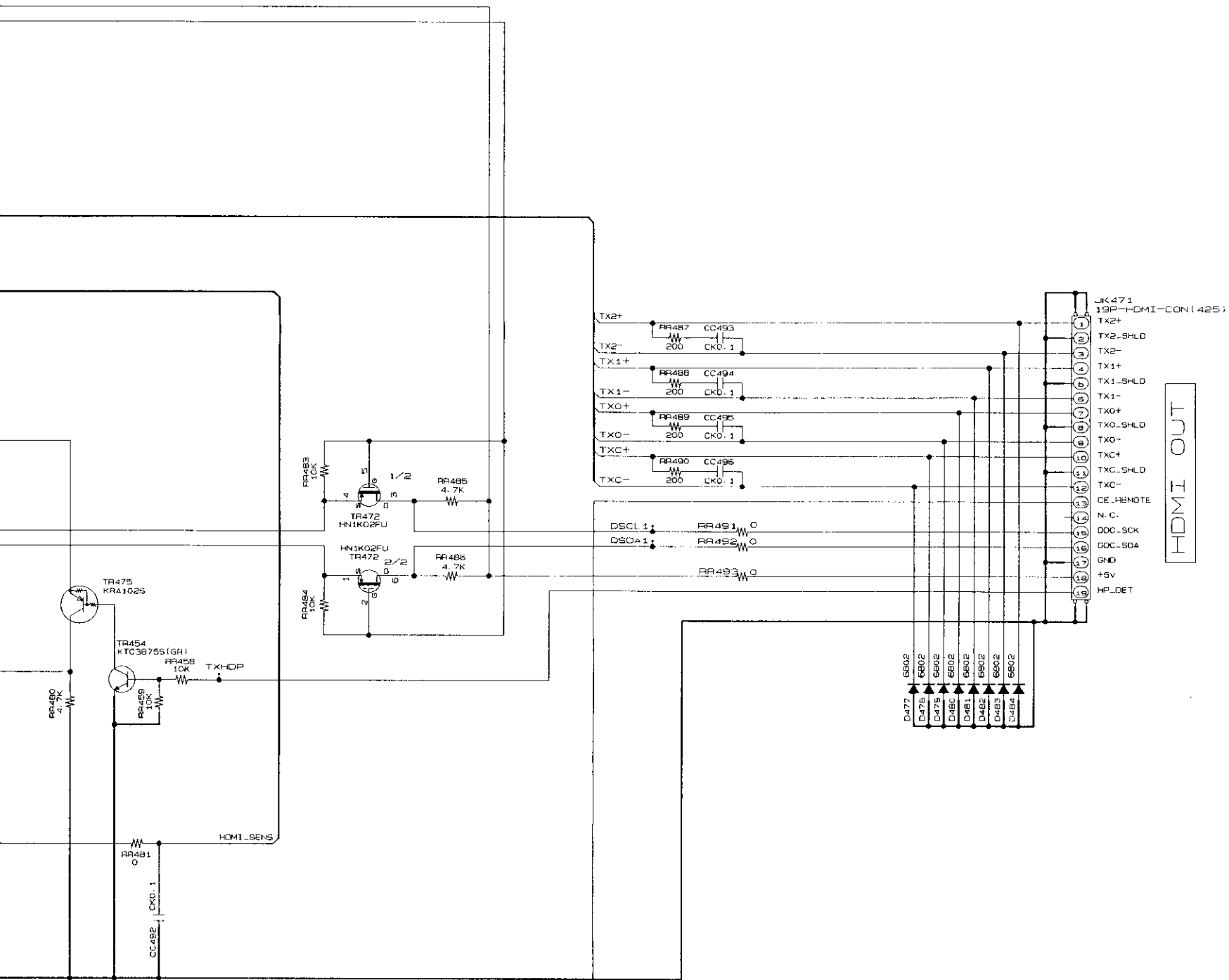
D

E

F

G

H



HDMT OUT SECTION (1/1)

1U-3698-1  
DIGITAL\_UNIT  
(8/11)



6

7

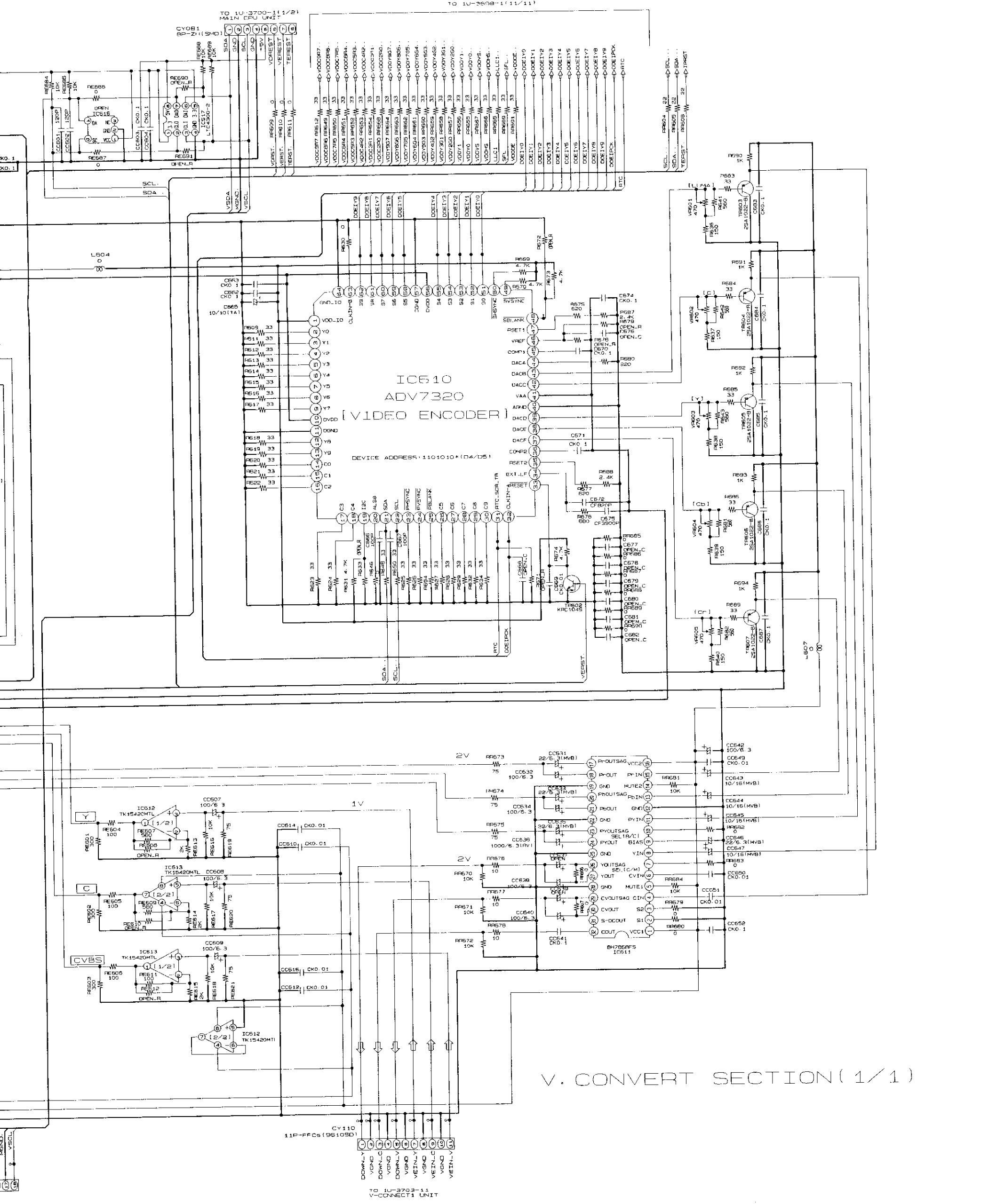
8

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A  
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E  
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G  
H



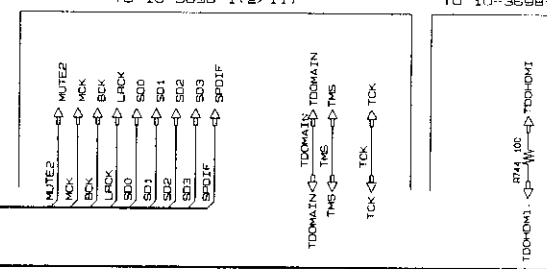
SCHEMATIC DIAGRAMS (29/34)  
1U-3698-1 DIGITAL UNIT (9/11)

SCHEMATIC DIAGRAMS (30/34)

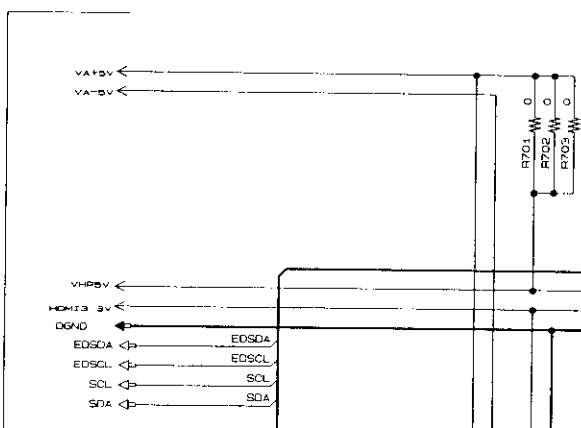
1 2 3 4 5 6

TO MAINPLD  
TO 1U-3698-1(2/11)

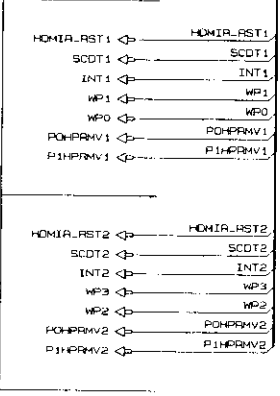
TO I  
TO 1U-3698-



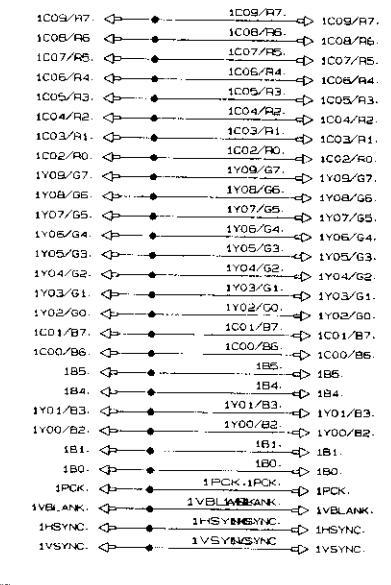
TO HDMI IN 1&2  
TO 1U-3698-1(6/11, 7/11)



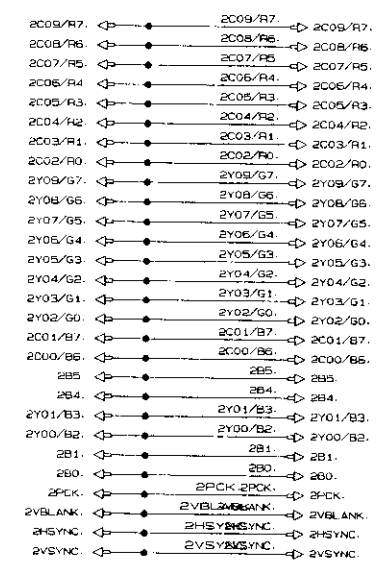
TO HDMI IN1  
TO 1U-3698-1(7/11) TO 1U-3698-1(6/11)



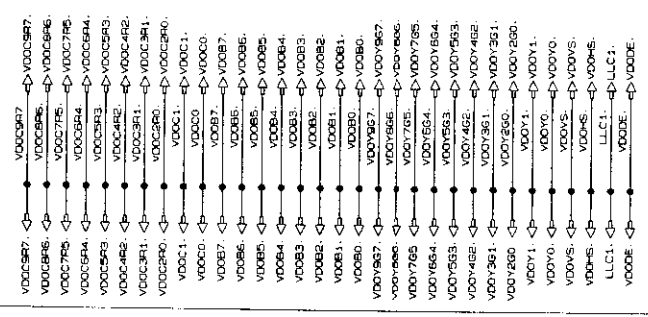
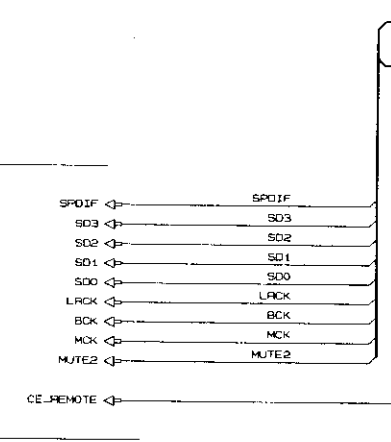
TO HDMI IN1  
TO 1U-3698-1(6/11)



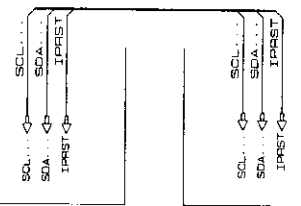
TO HDMI IN2  
TO 1U-3698-1(7/11)



TO HDMI IN 1&2  
TO 1U-3698-1(6/11, 7/11)



TO CONVERT  
TO 1U-3698-1(6/11)



1 2 3 4 5 6 7 8  
A  
B  
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I  
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L  
M  
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P  
Q  
R  
S  
T

IC701 EPM570





6

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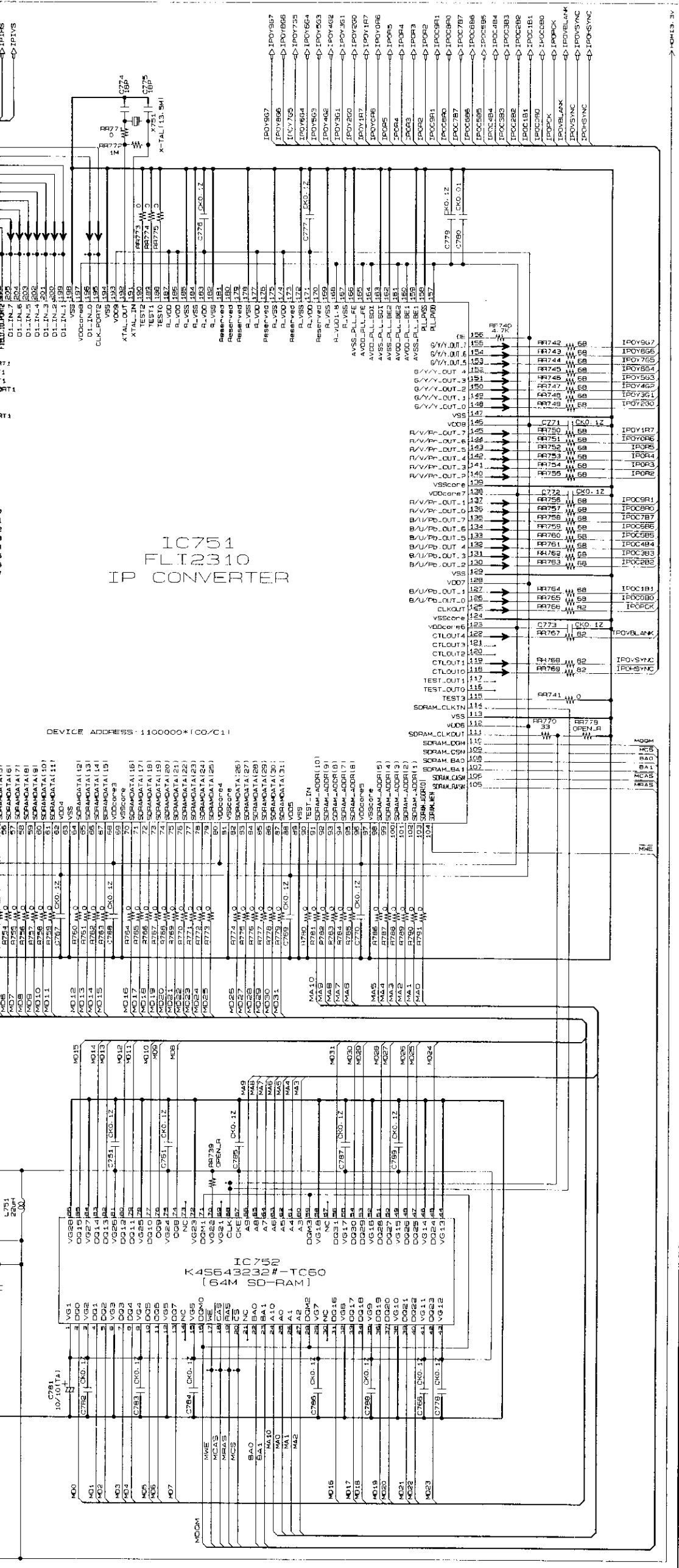
8

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11

TO BUS SW  
TO U-3698-1 (8/11)



I/P CONVERT SECTION

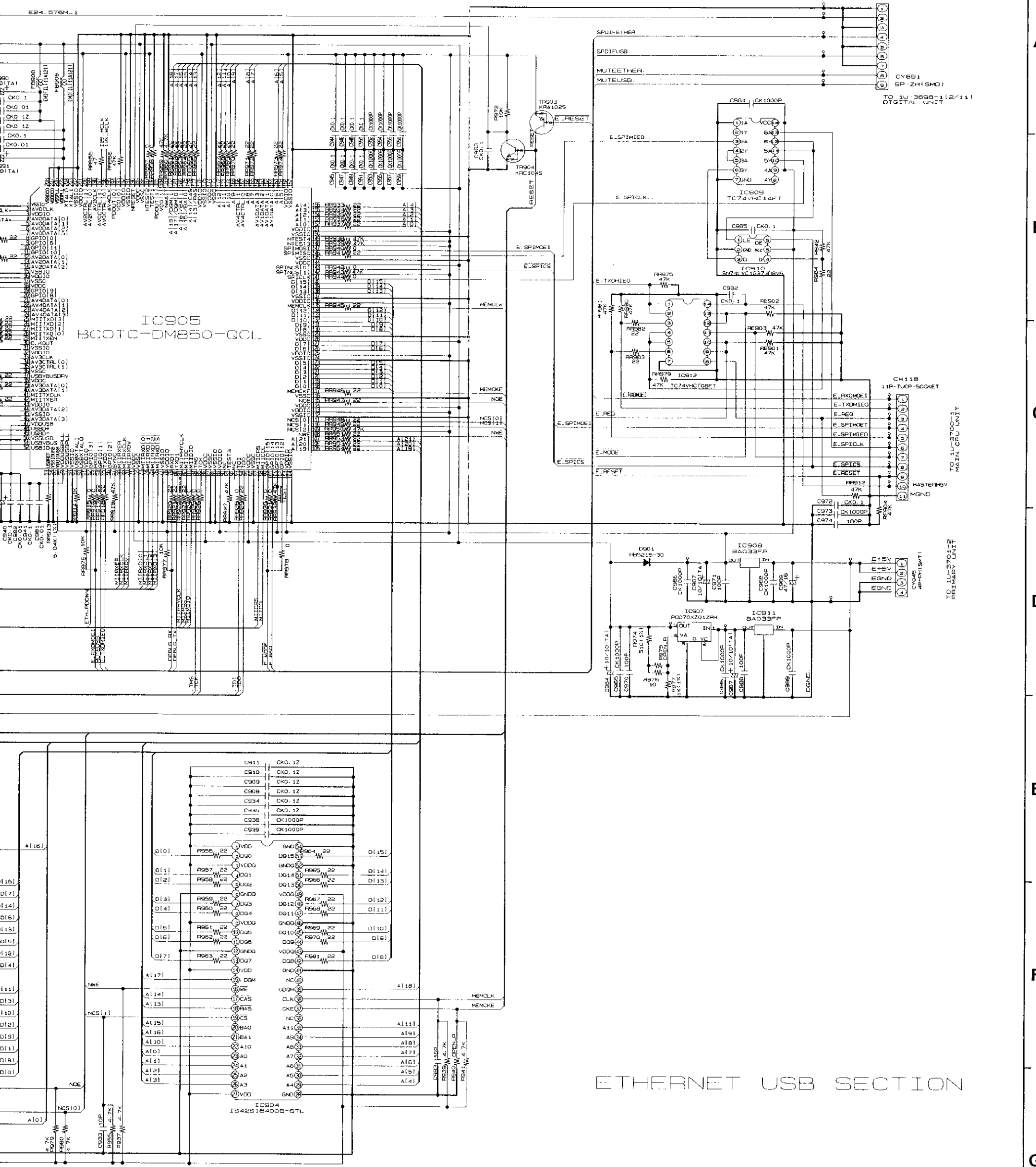
SCHEMATIC DIAGRAMS (31/34)  
1U-3698-1 DIGITAL UNIT (11/11)

A  
B  
C  
D  
E  
F  
G  
H





6 7 8 9 10 11



ETHERNET USB SECTION

SCHEMATIC DIAGRAMS (32/34)  
1U-3698-2 ETHERNET UNIT (1/2)



6

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A

B

C

D

E

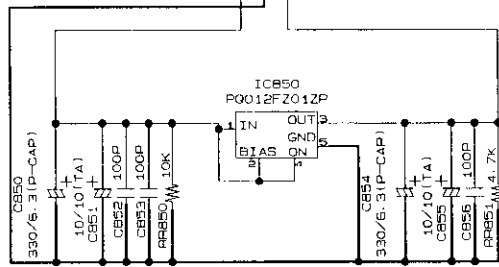
F

G

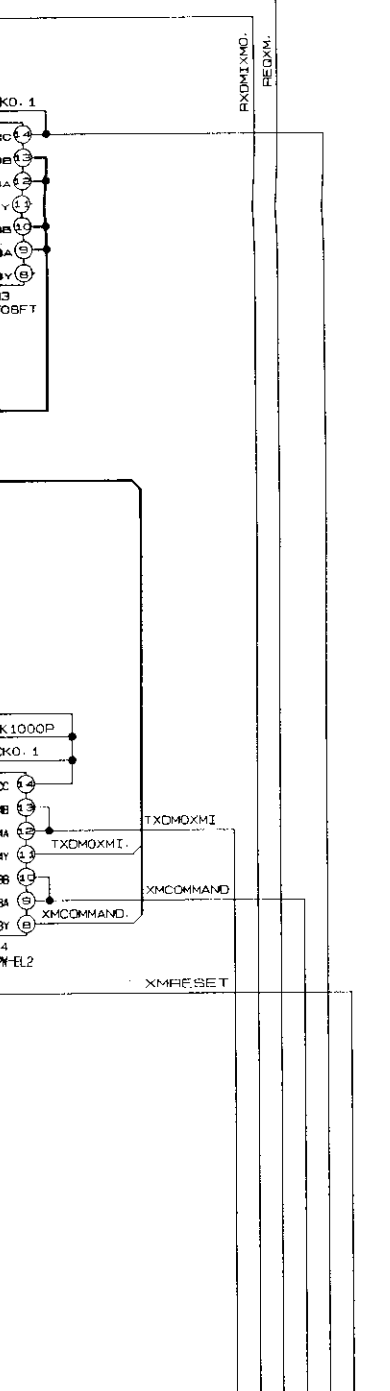
H

TO 1U-3698-1(2/11)  
DIGITAL UNIT

CX888  
3P-PHS



# 1U-3698-2 ETHERNET\_UNIT (2/2)



XMSCPU3.3V

XM5.3V

XMEND

CY032  
3P-ZH(SMD)

TO 1U-3702-1  
P. SUPPLY UNIT

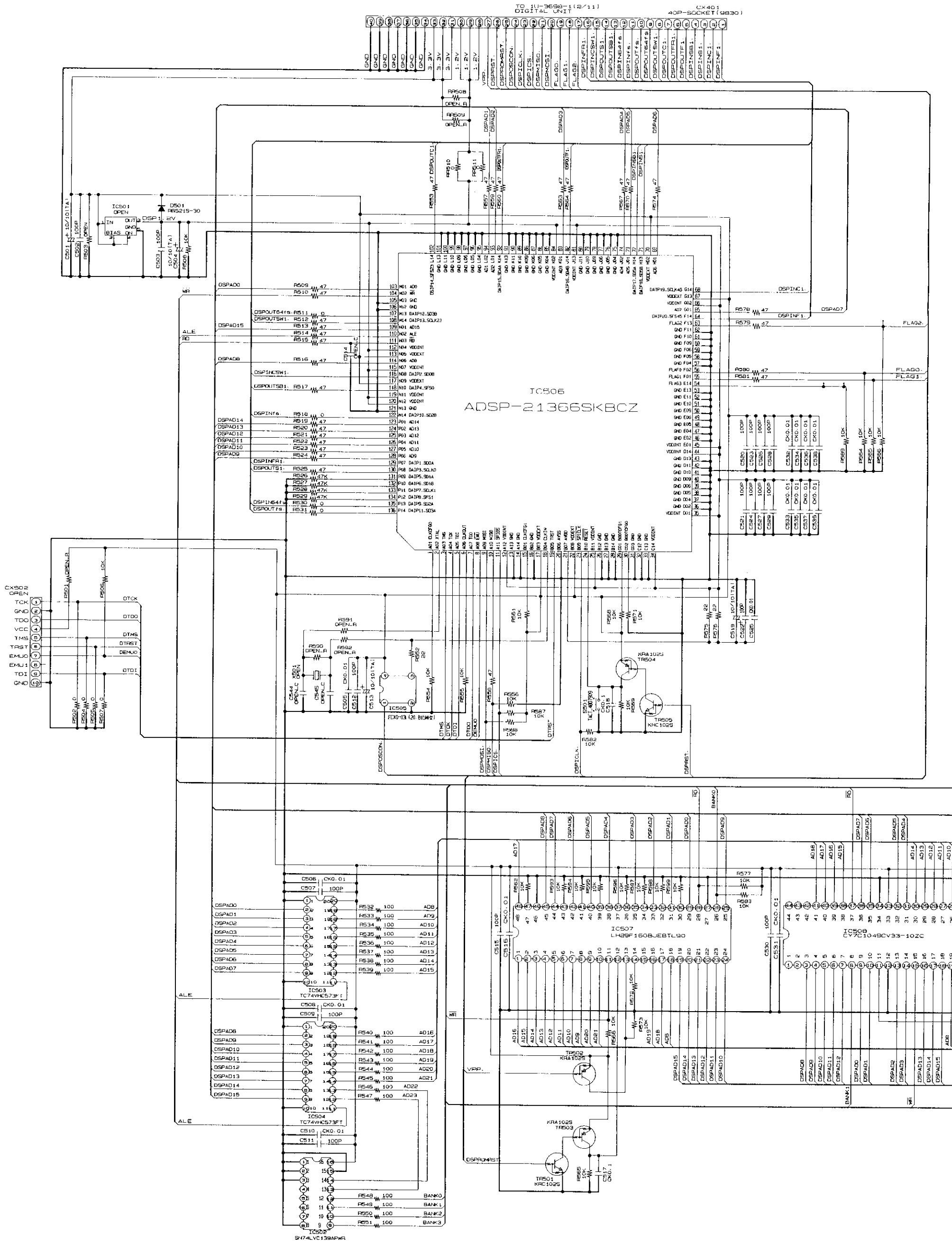
CY777  
7P-ZH(SMD)

TO 1U-3700-1(2/2)  
MAIN CPU UNIT

XM SECTION

SCHEMATIC DIAGRAMS (34/34)

1 2 3 4 5 6



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A

B

C

D

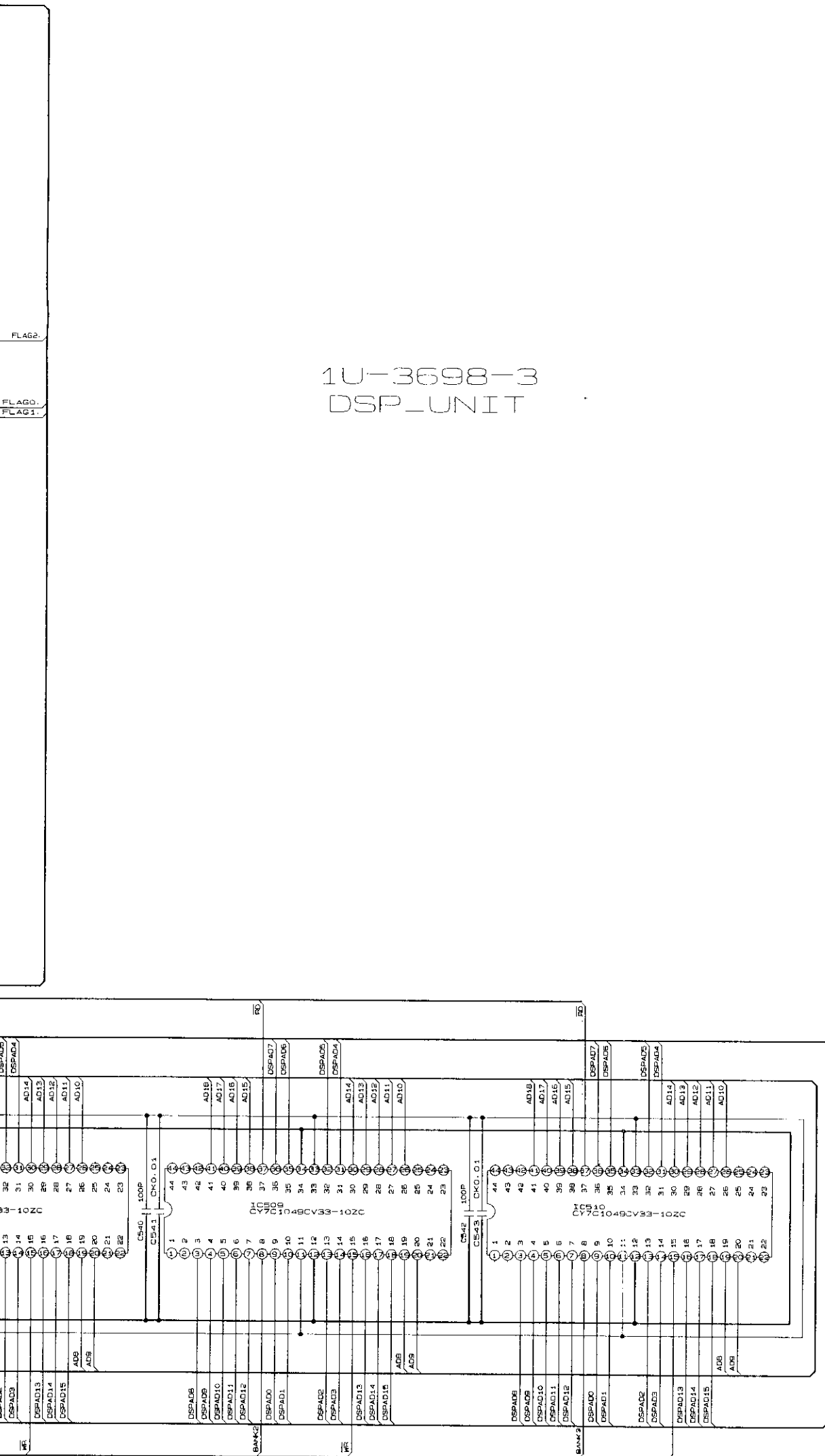
E

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1U-3698-3  
DSP\_UNIT



SCHEMATIC DIAGRAMS (34/34)  
1U-3698-3 DSP UNIT