

AV-28GS1E
AV-25GS1E
AV-28S1E
AV-25S1E

JVC

SERVICE MANUAL

COLOUR TV

AV-28GS1E

AV-25GS1E

AV-28S1E

AV-25S1E

FINAL EDITION

BASIC CHASSIS

MX I / II

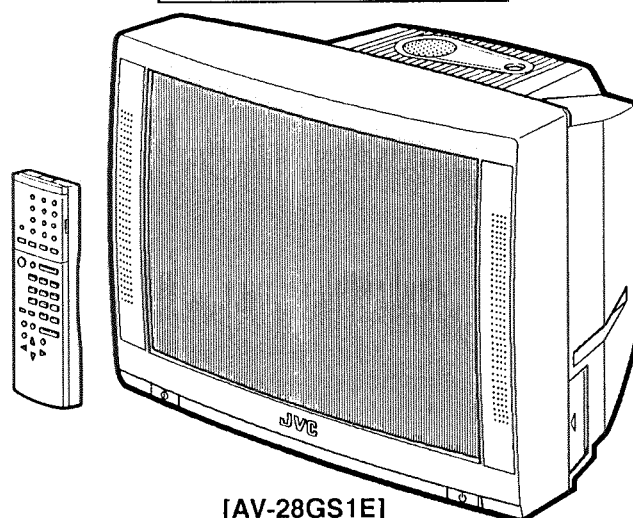
RTV servis Horvat

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Tel/fax: ++385-31-856-139

Mob: 098-788-319

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[AV-28GS1E]

Preface

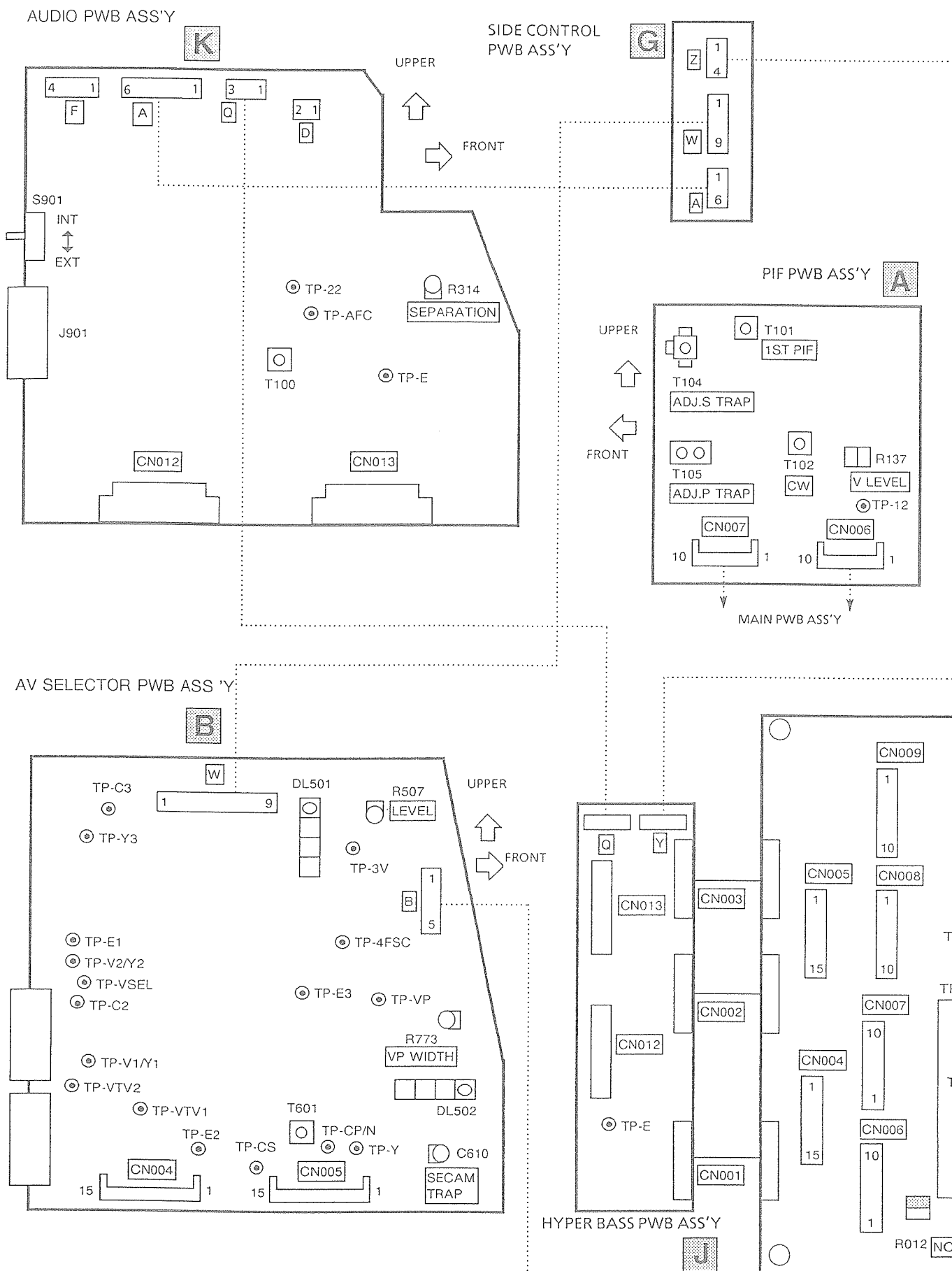
There have been changes in the Service Manual. Please refer to the leaflet "Manual Update", which is inserted into this manual.

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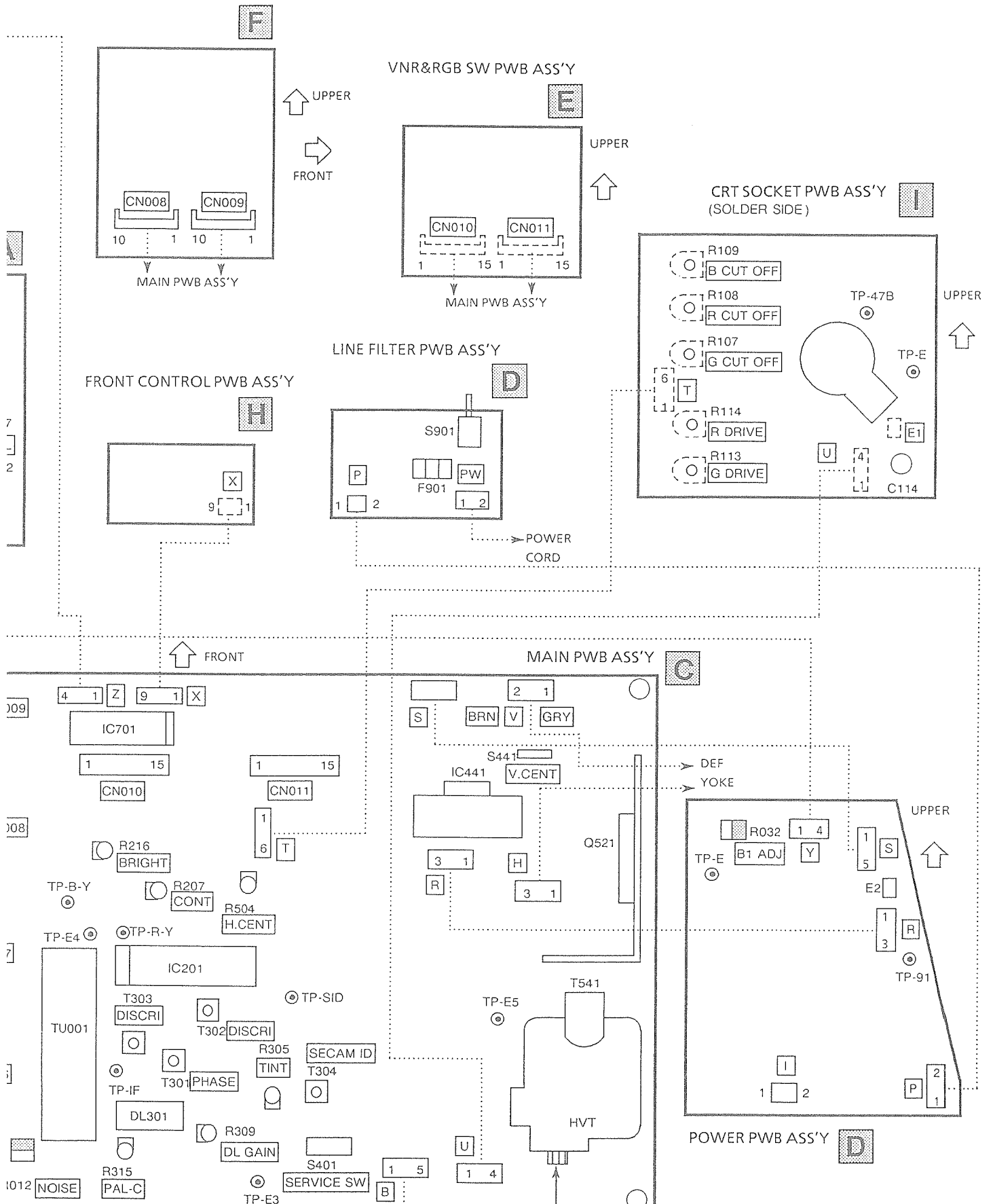
MODEL NAME	MANUAL No.
AV-28GS1E	No.50757C
AV-25GS1E	No.50807C
AV-25/28S1E	No.50788C

[MX-1]



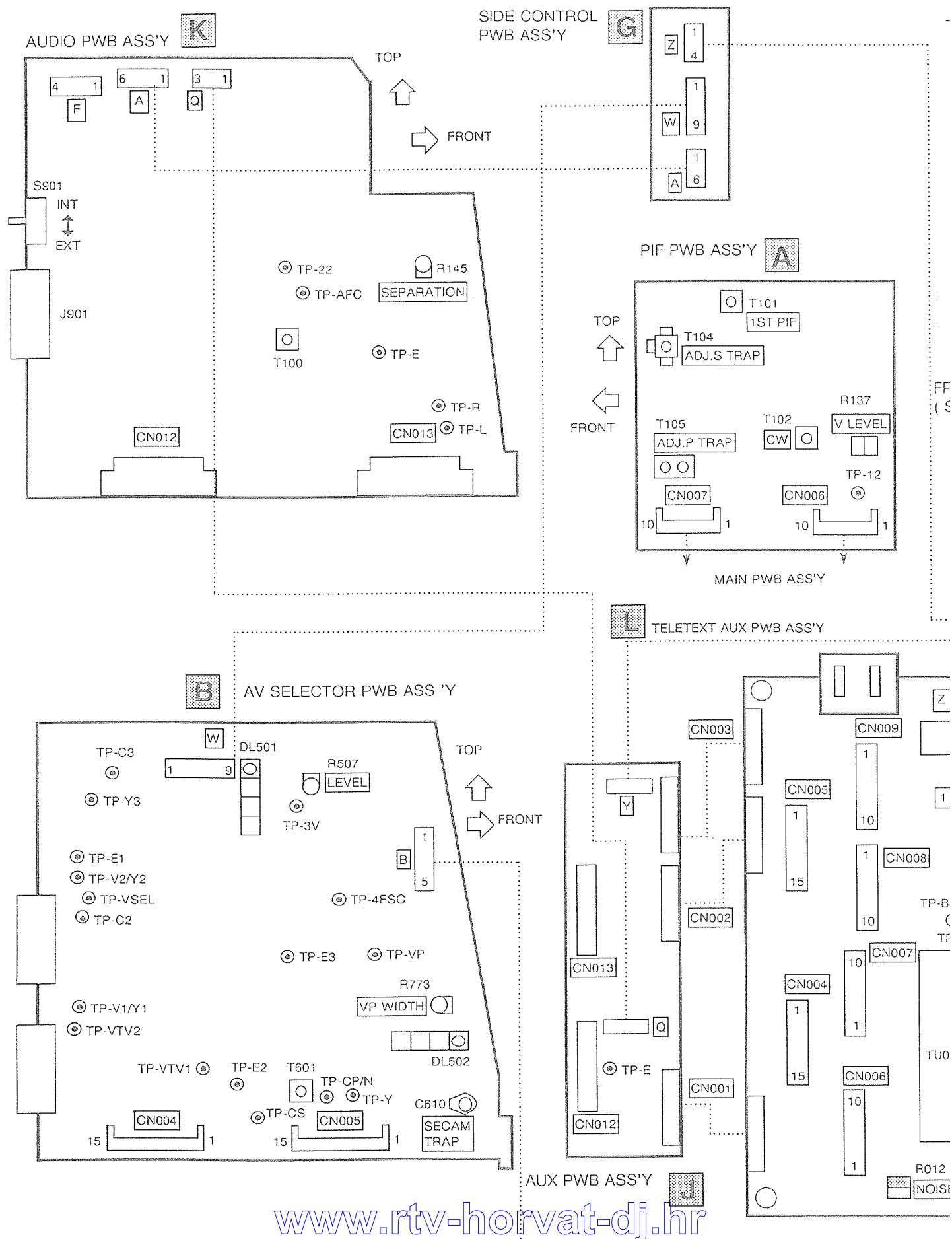
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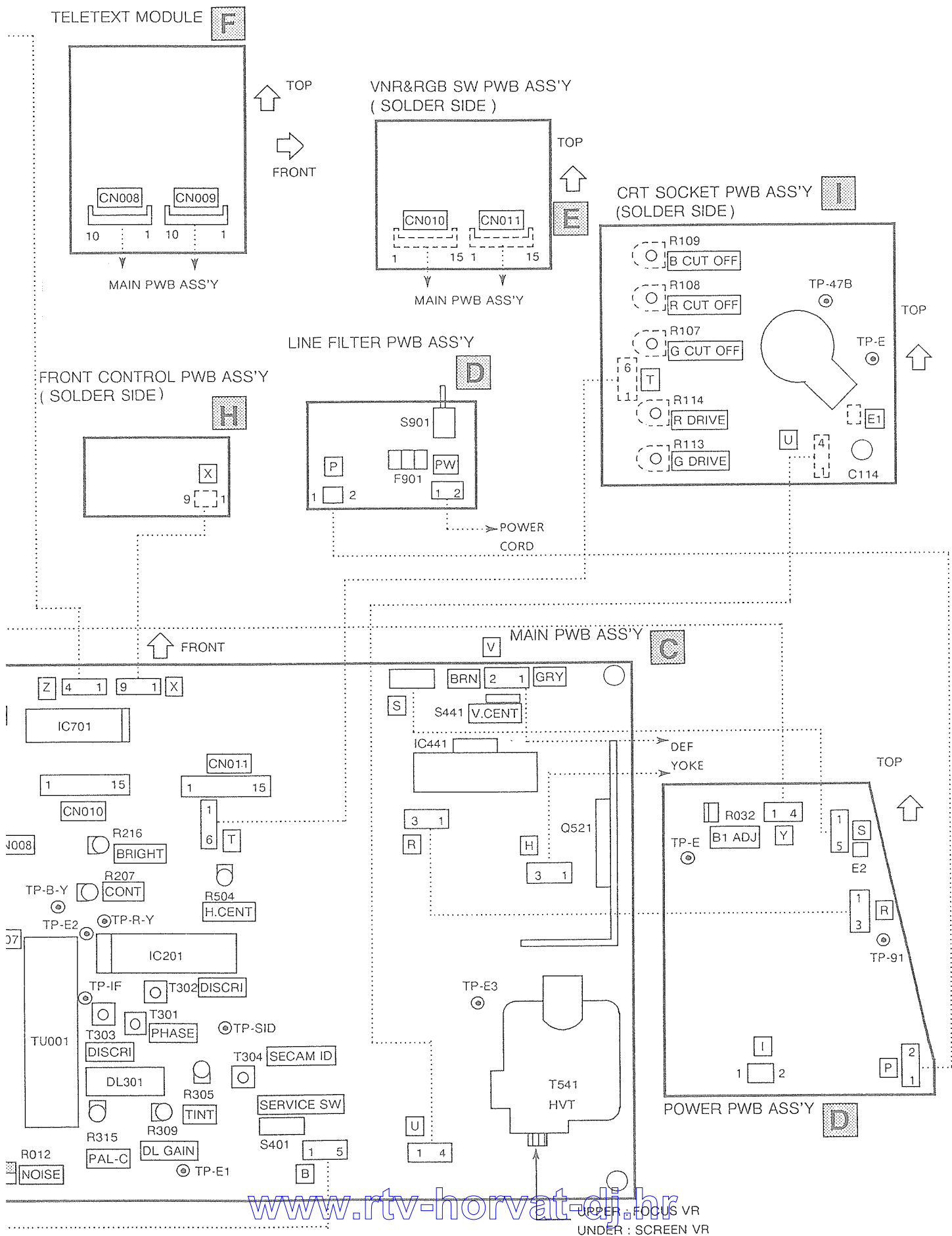
TELETEXT MODULE



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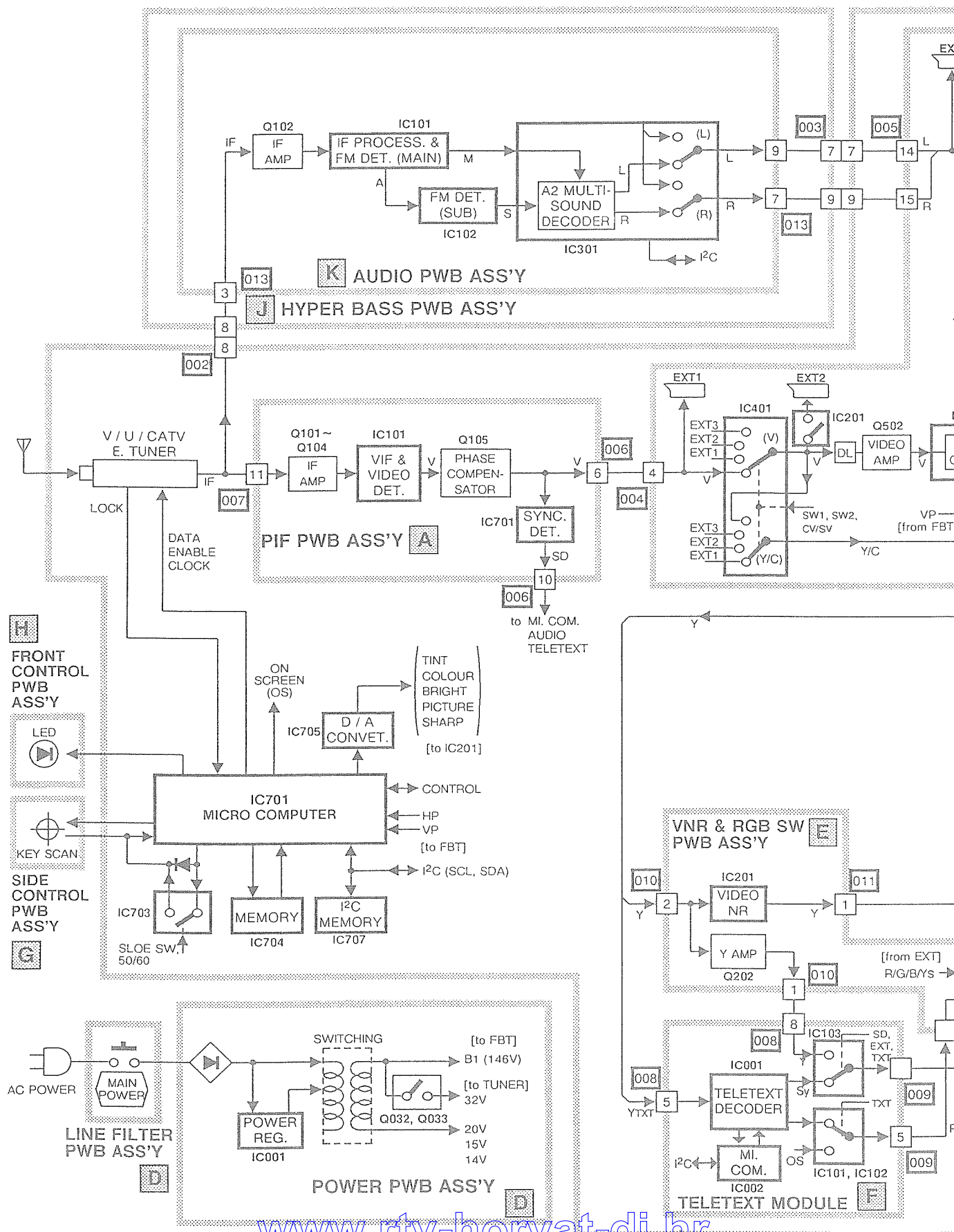
[MX-II]

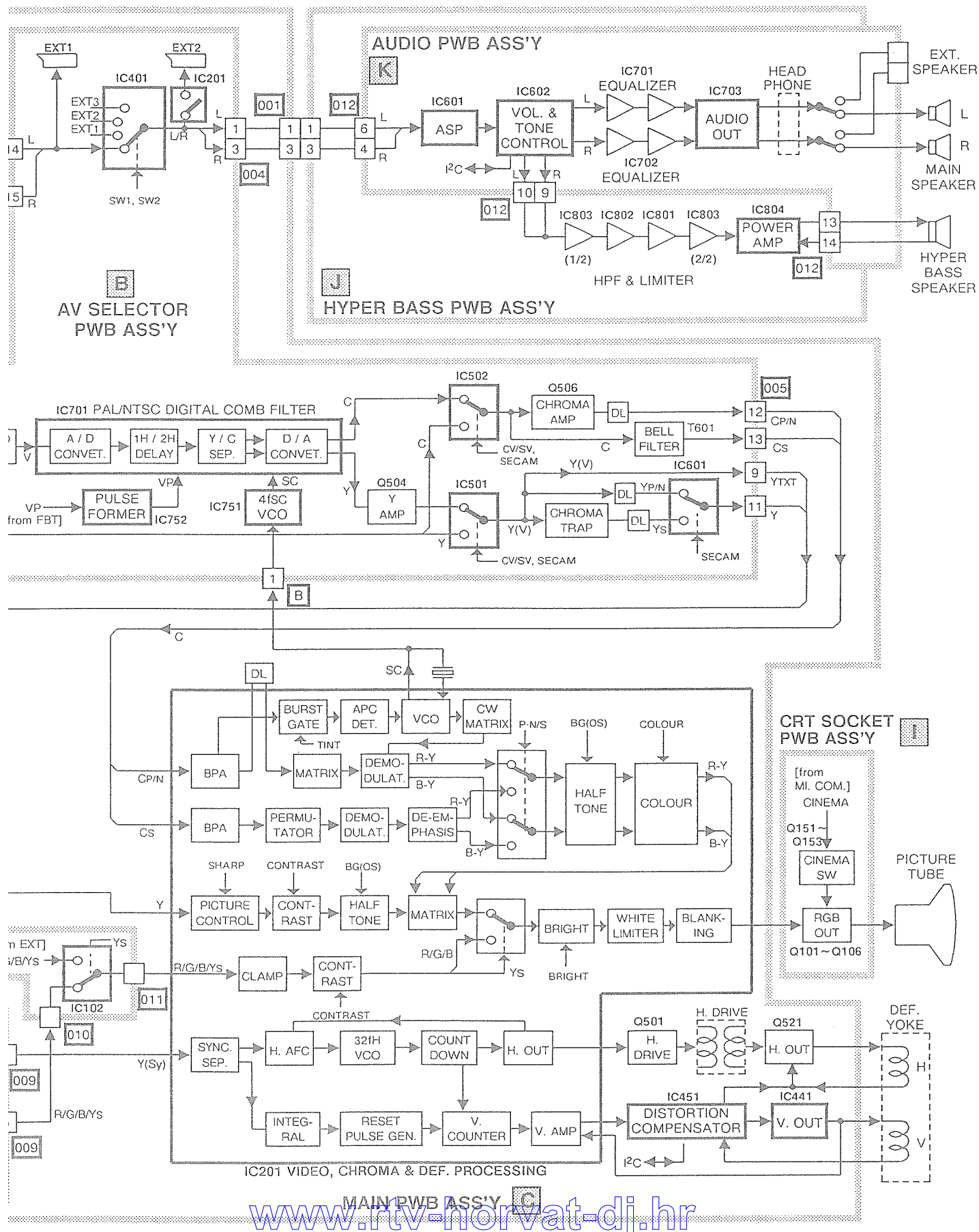




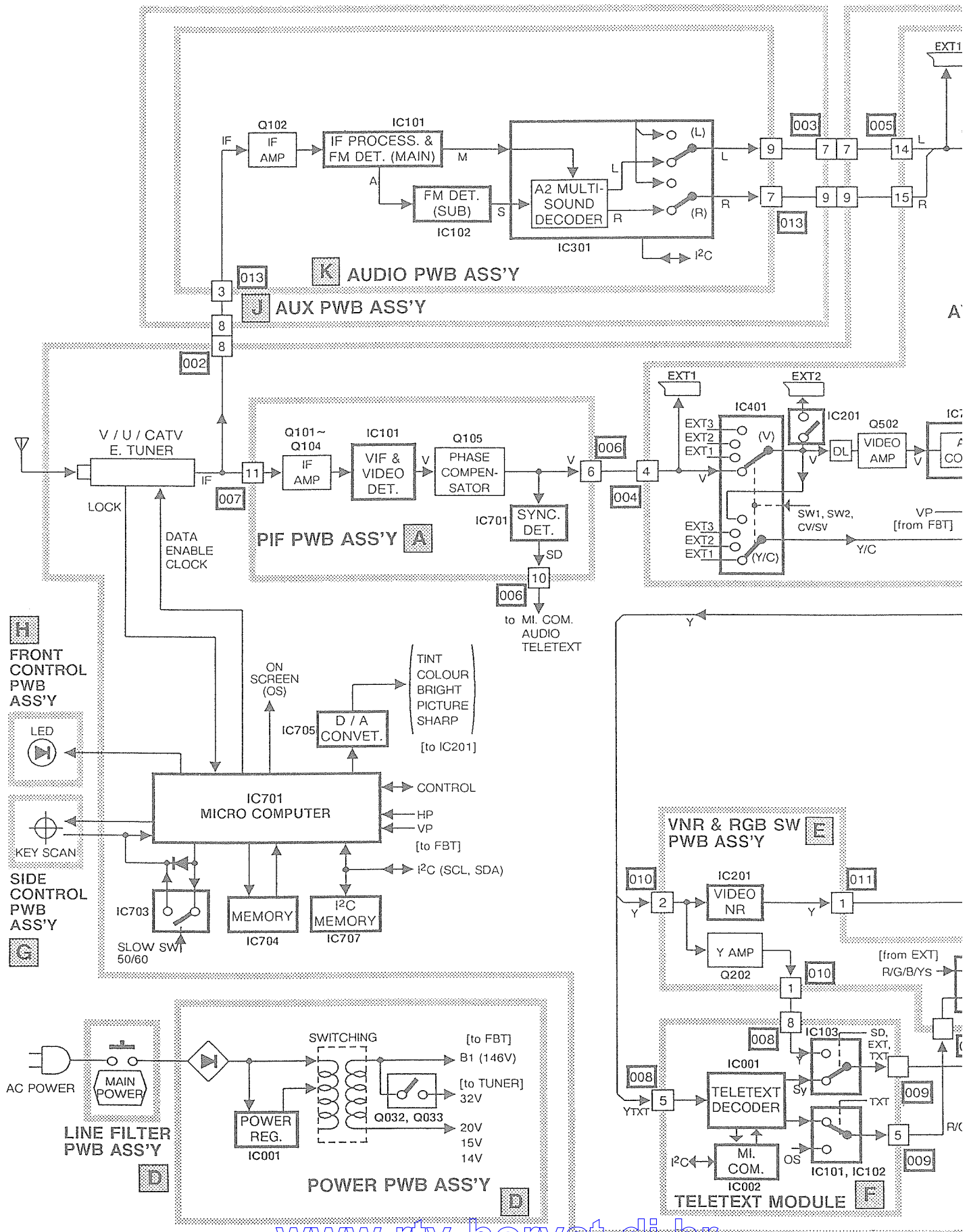
BLOCK DIAGRAM

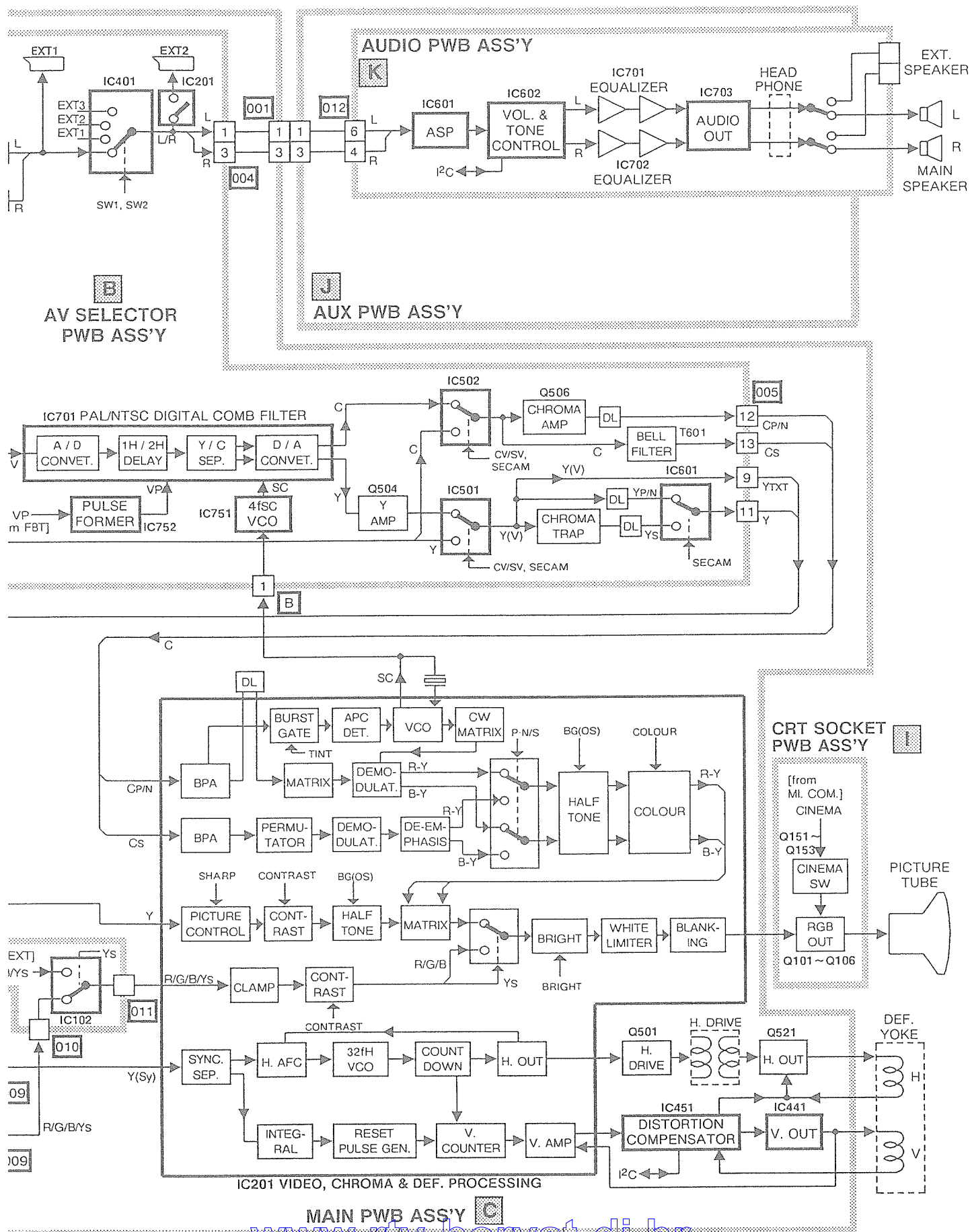
[MX-1]





[MX-II]

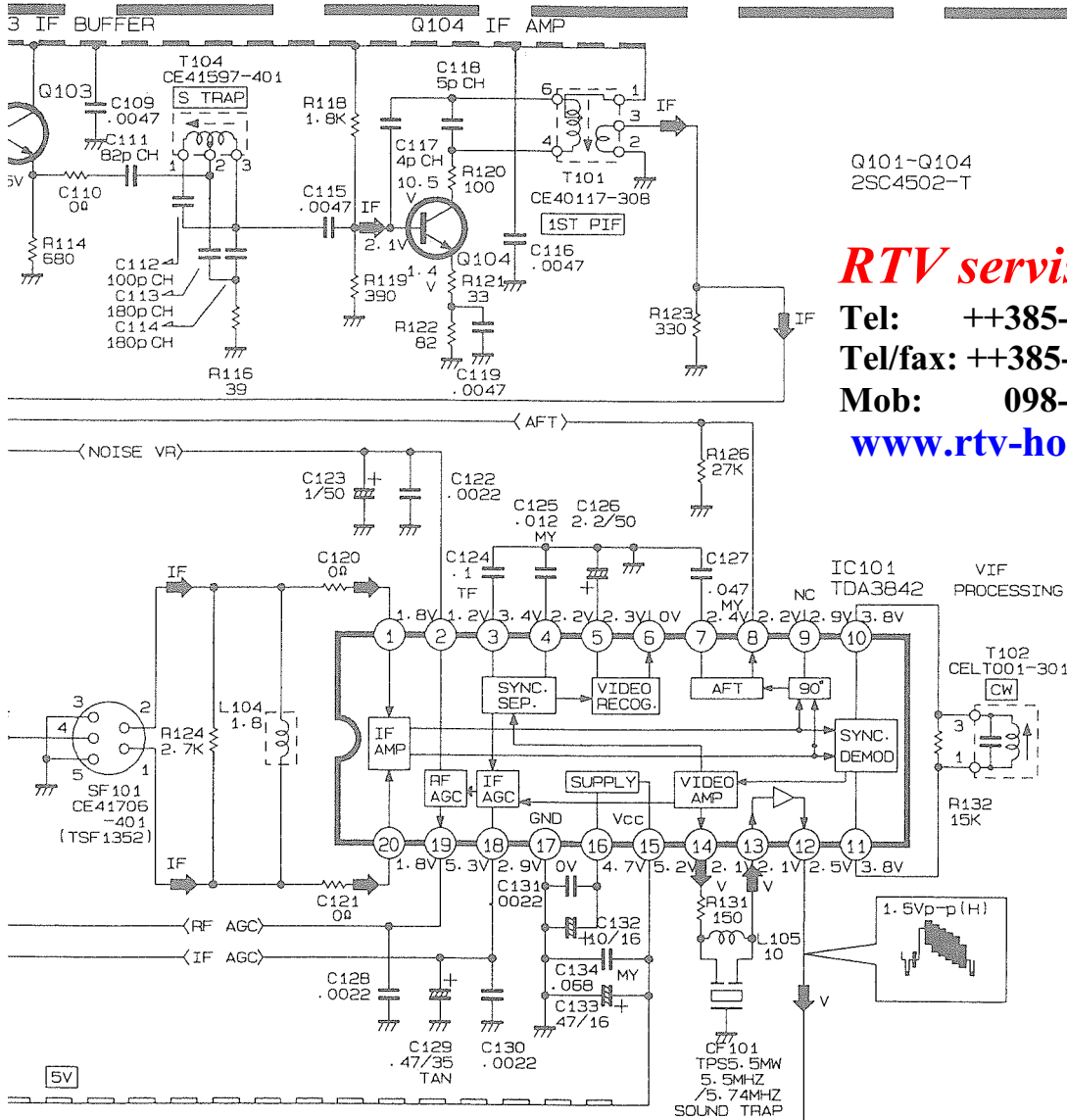




PIF PWB CIRCUIT DIAGRAM



Refer to the following PWB pattern. : PIF PWB PATTERN 3-42page.



Q101-Q104
2SC4502-T

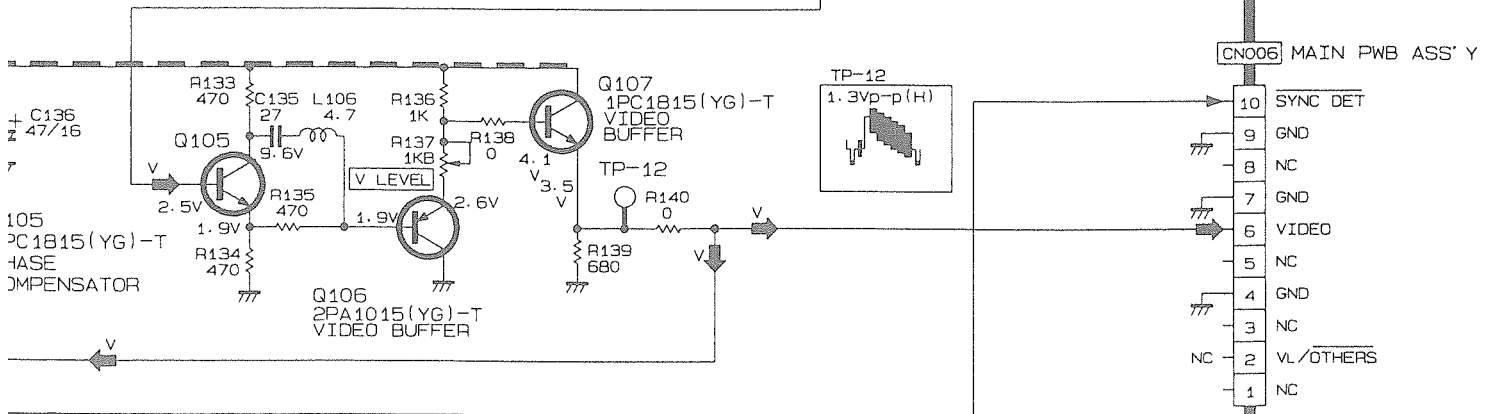
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Adj. S trap	2nd SIF
40.4	5.5

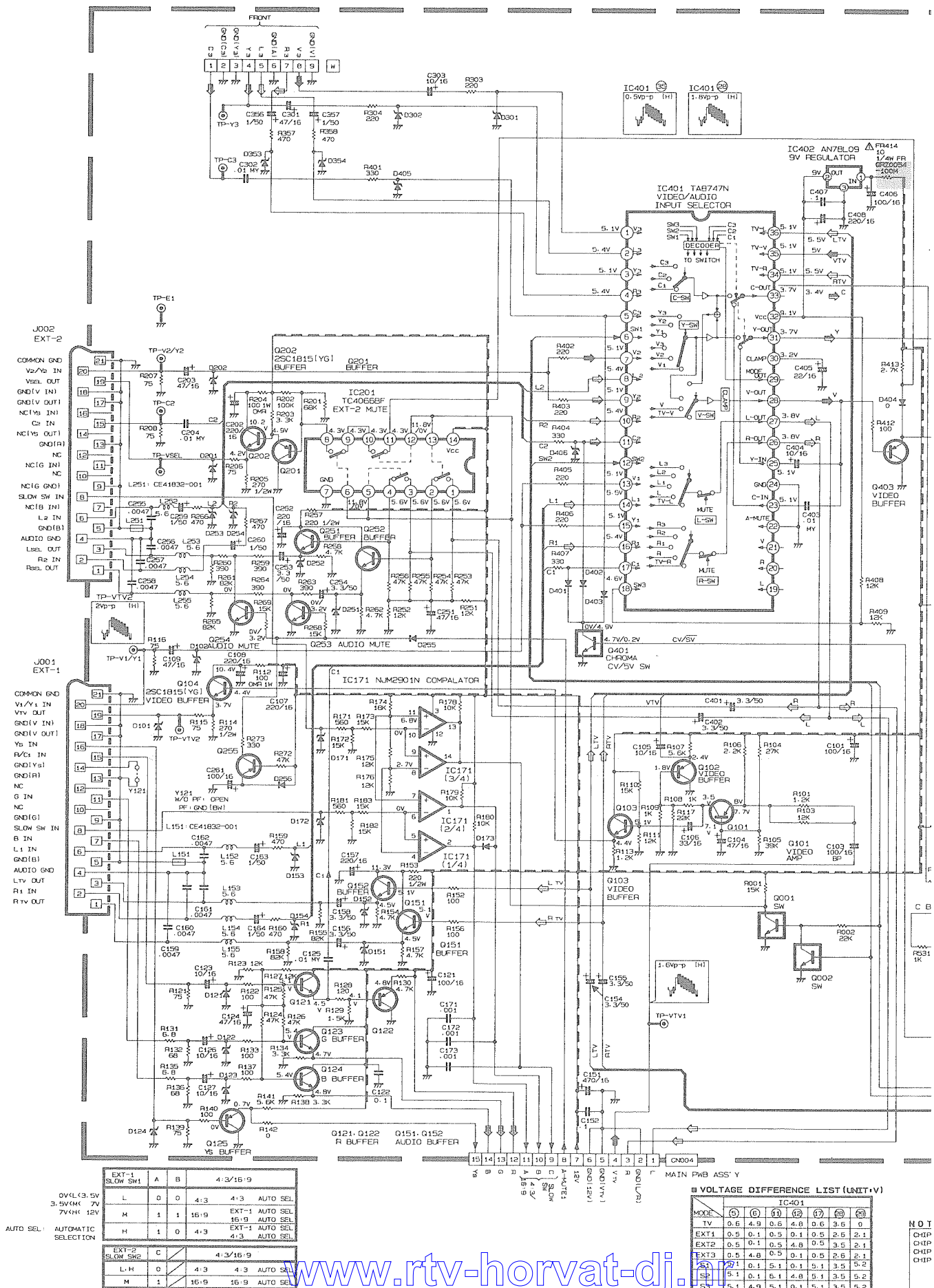
PIF PWB ASS'Y

SMX0F001A-U2

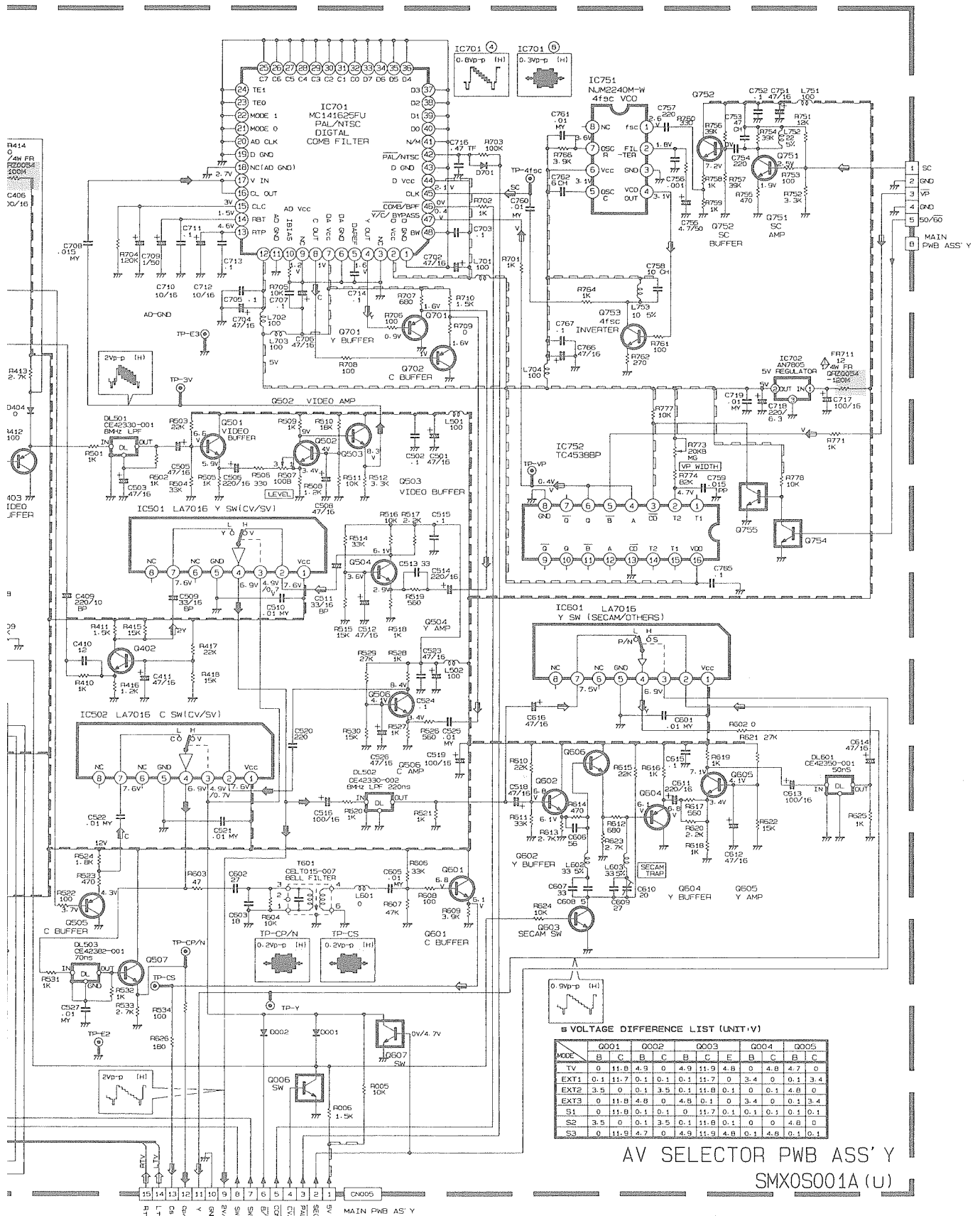
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AV SELECTOR PWB CIRCUIT DIAGRAM



Refer to the following PWB pattern. : AV SELECTOR PWB PATTERN 3-43,page.



NOTES

CHIP RNP Tr : 25A1162(YG)-W
 CHIP RNP Tr : 25C2712(YG)-W
 CHIP RNP D-Tr : DTA144EK-W
 CHIP RNP D-Tr : DTC144EK-W
 ZENER D : RD13US(B)-T2
 SI DIODE : 1SS133-T2
 X : NON-MOUNT (OPEN)

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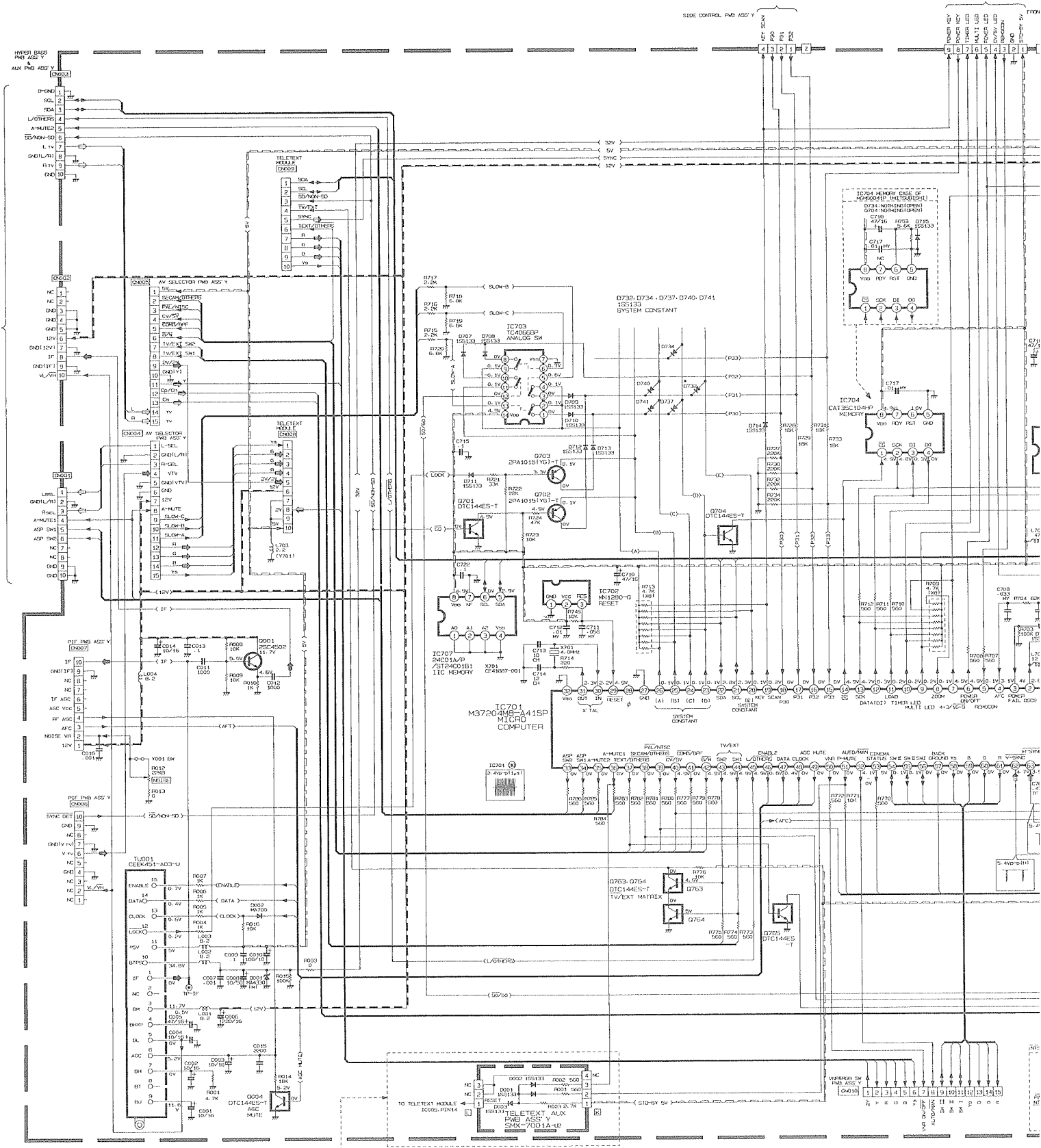
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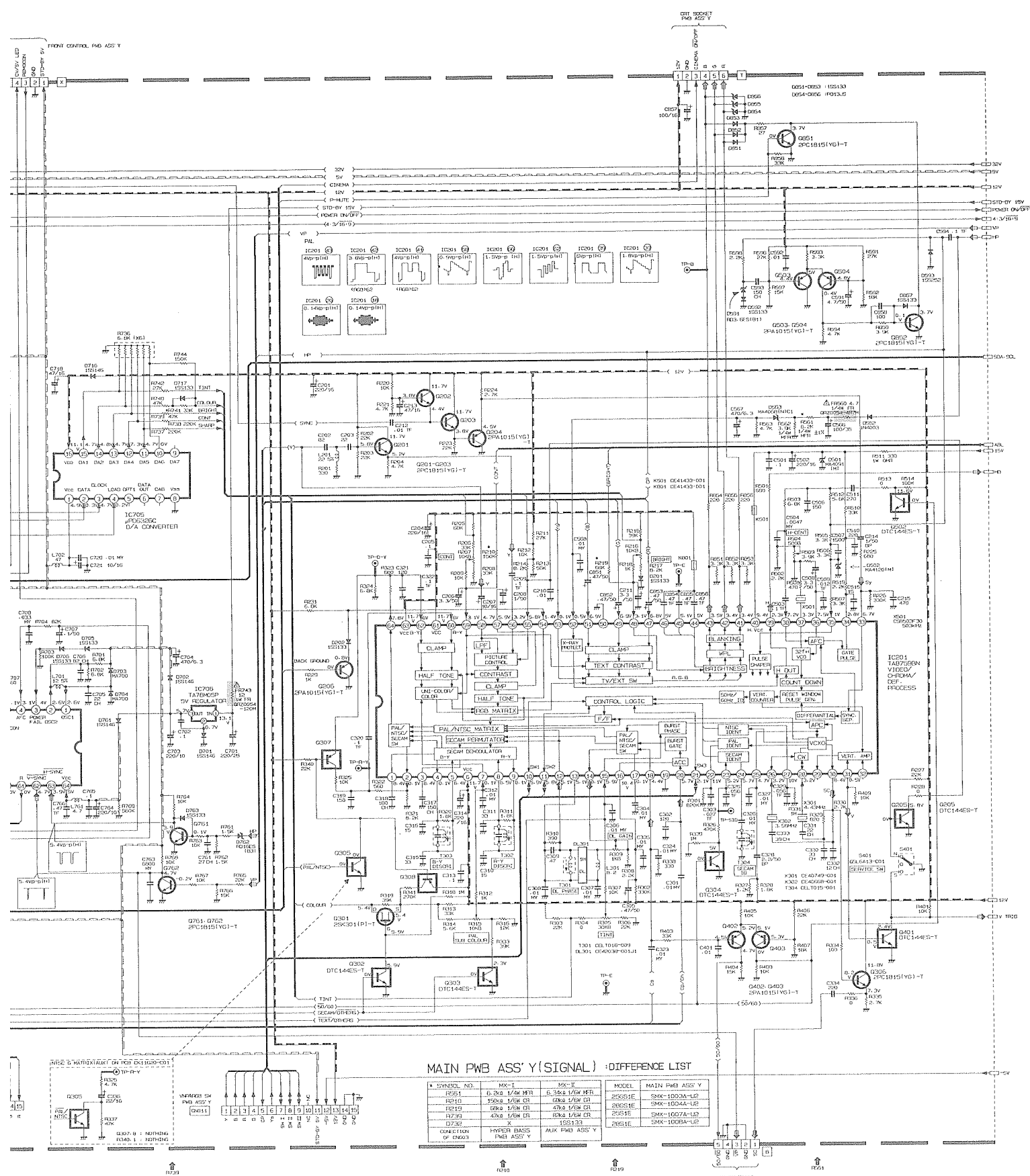
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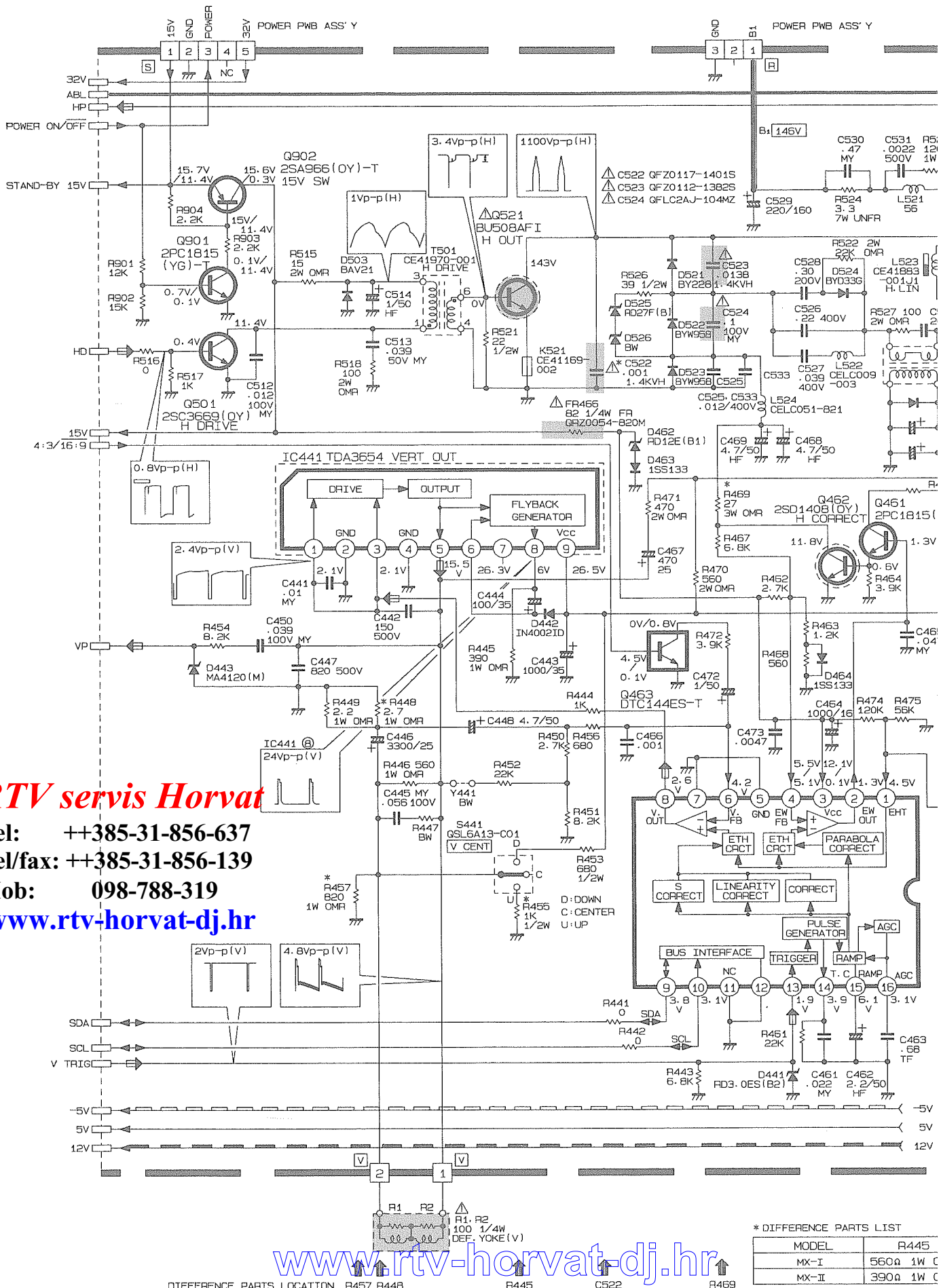
MAIN PWB CIRCUIT DIAGRAM



Refer to the following PWB pattern. : MAIN PWB PATTERN 3-45page.



MAIN PWB CIRCUIT DIAGRAM



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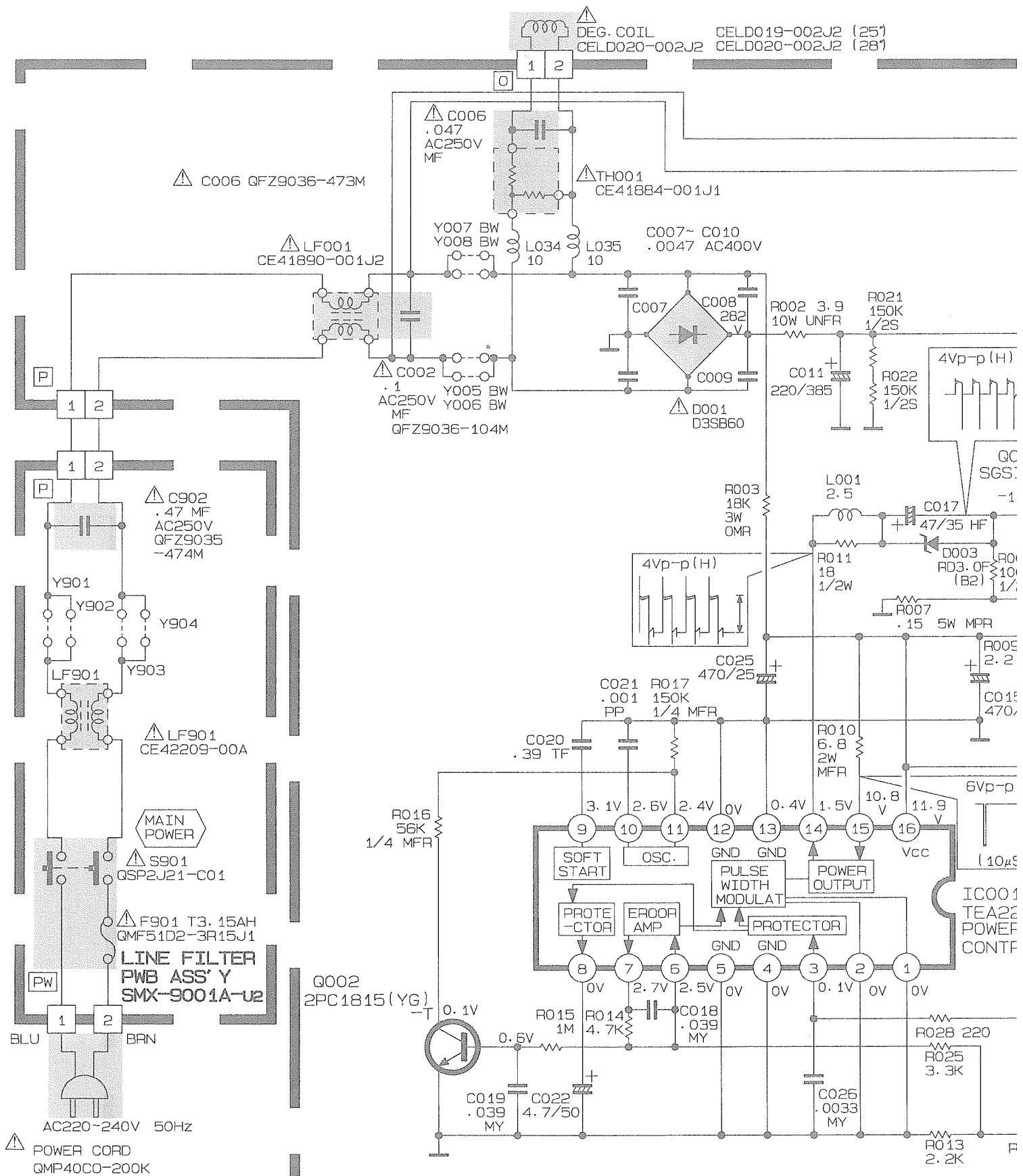
* DIFFERENCE PARTS LIST

MODEL	R445
MX-I	560Ω 1W C
MX-II	390Ω 1W C

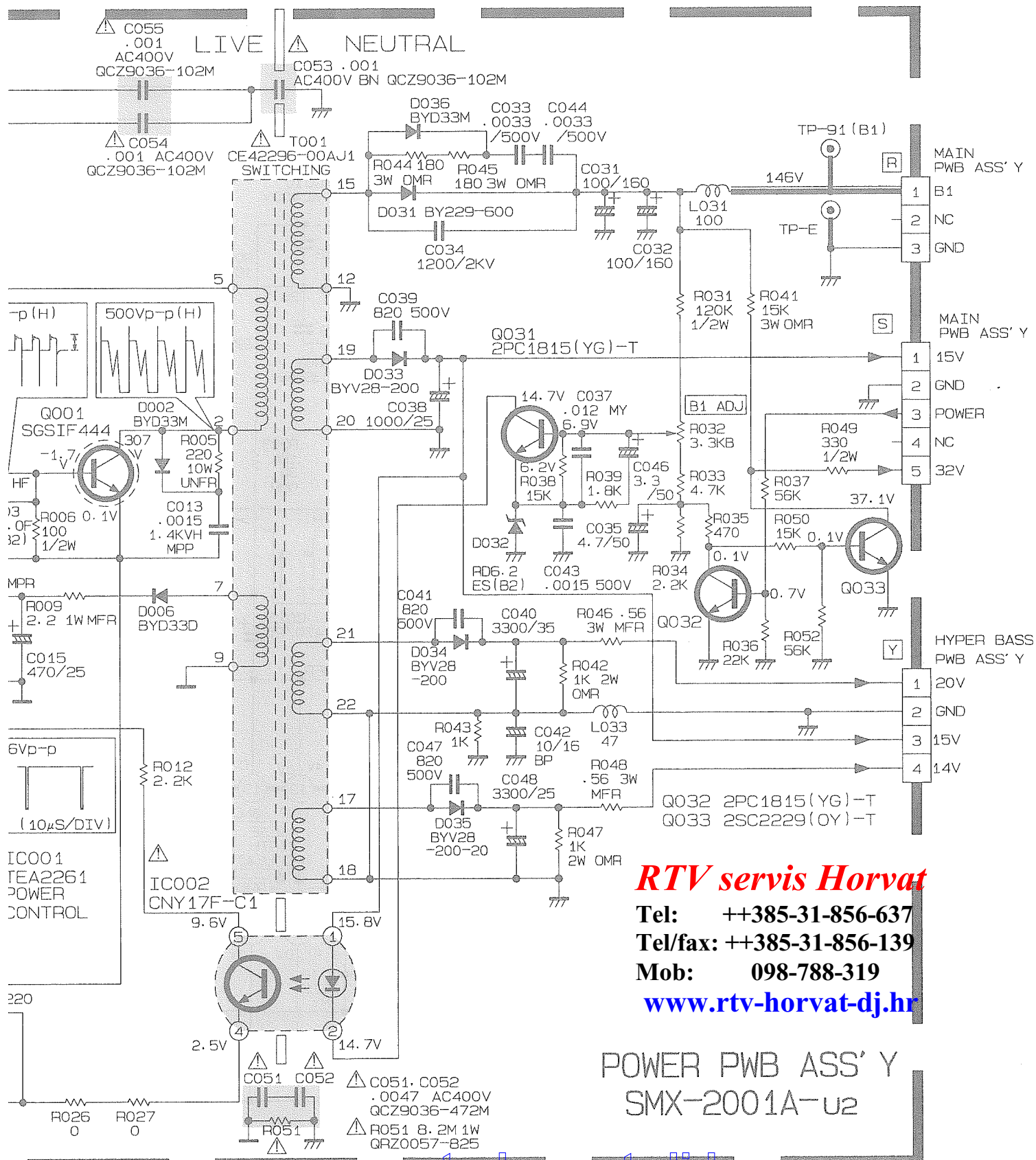


POWER PWB, LINE FILTER PWB CIRCUIT DIAGRAMS

[MX-1]



Refer to the following PWB pattern. : POWER PWB PATTERN 3-47page, LINE FILTER PWB PATTERN 3-49page



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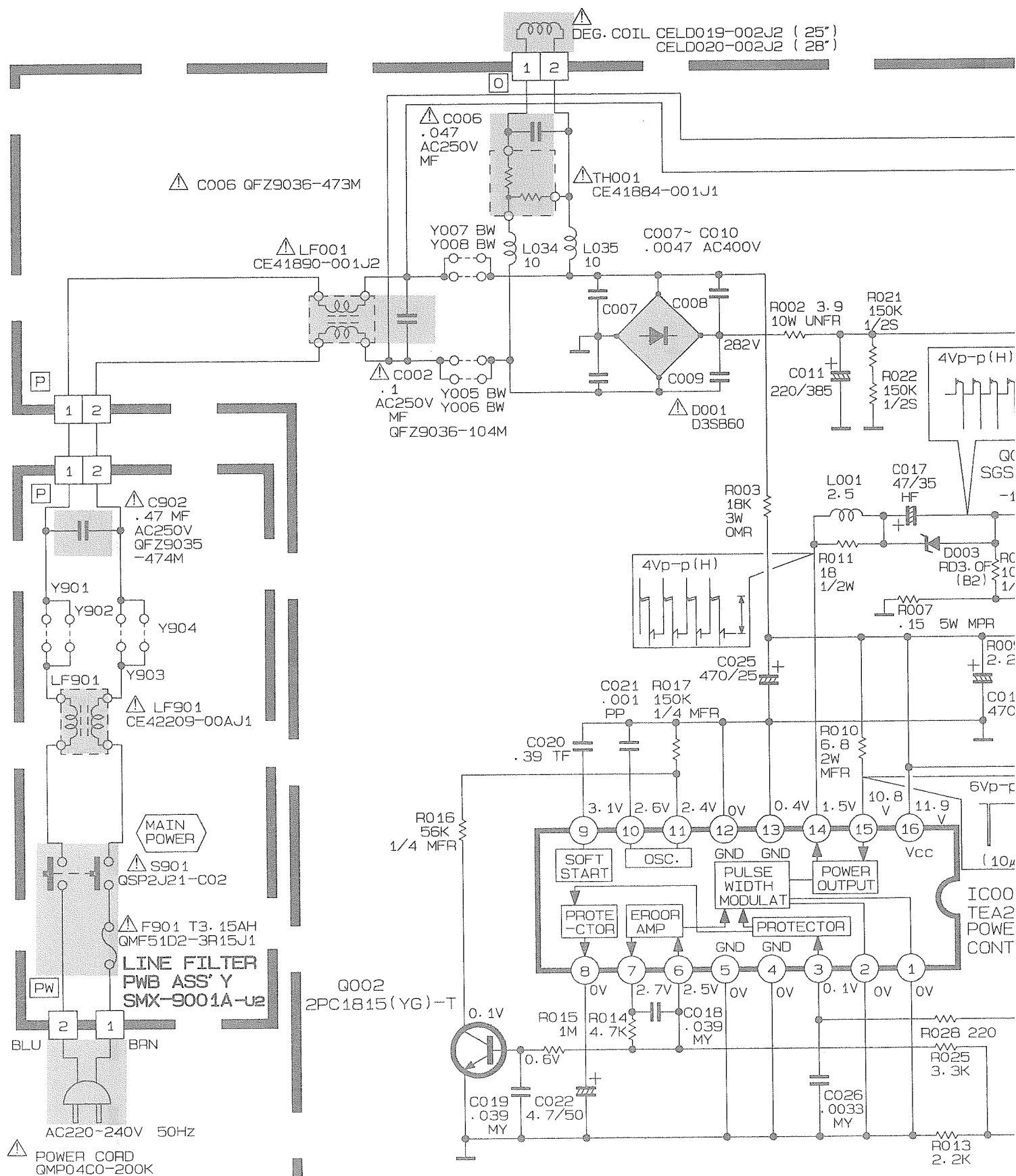
Tel/fax: ++385-31-856-139

Mob: 098-788-319

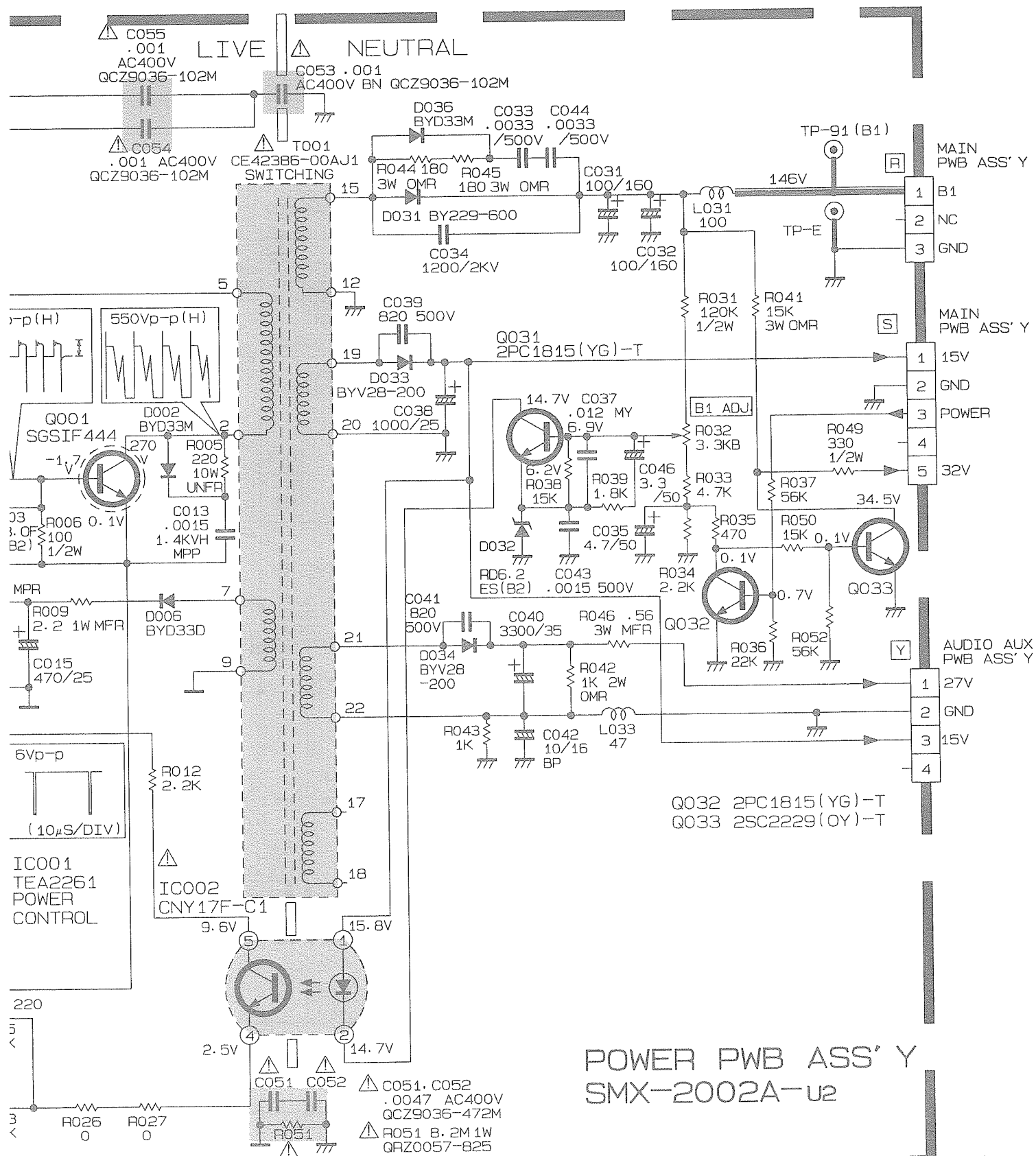
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[MX-II]



Refer to the following PWB pattern. : POWER PWB PATTERN 3-47page, LINE FILTER PWB PATTERN 3-49page

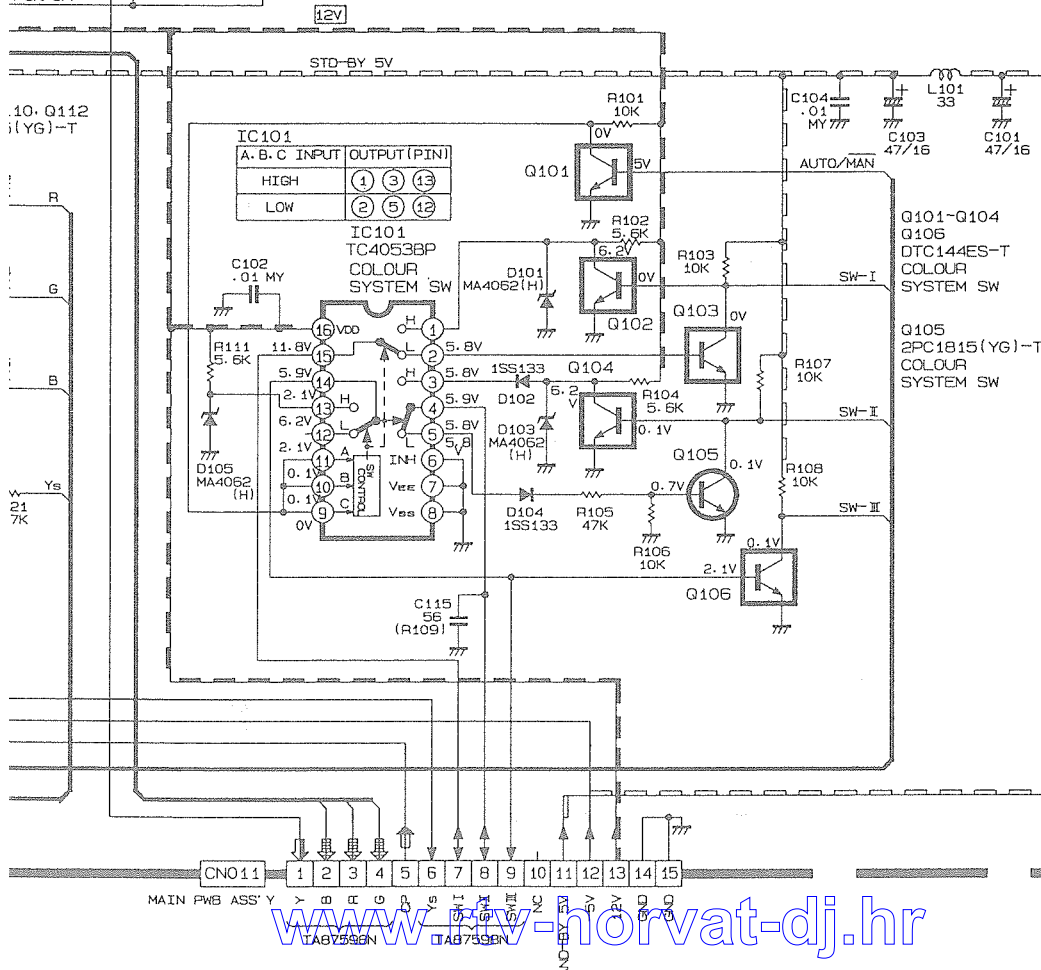
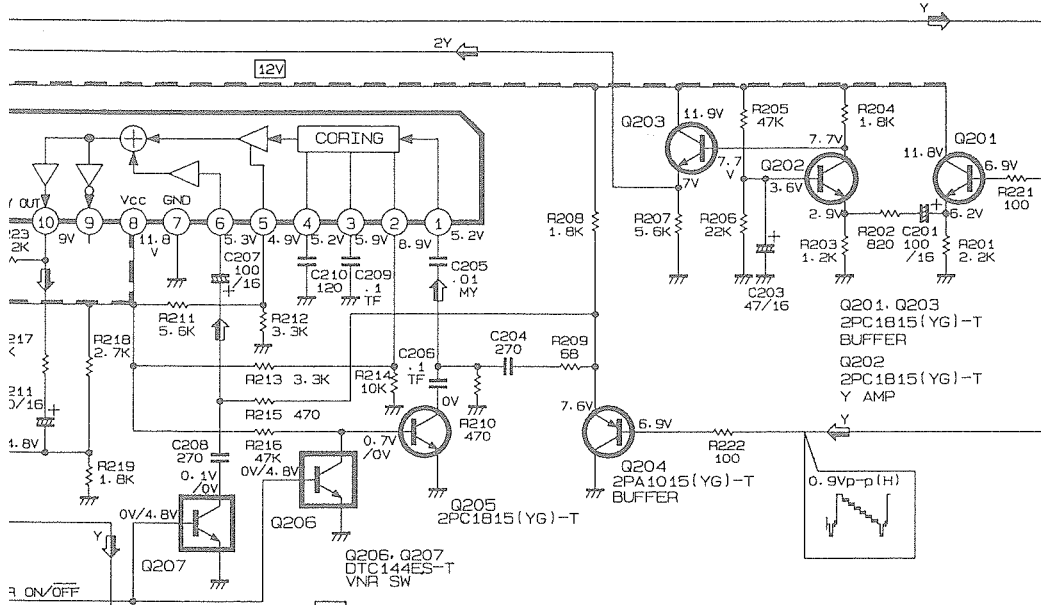


Refer to the following PWB pattern. : VNR & RGB SW PWB PATTERN 3-50page.

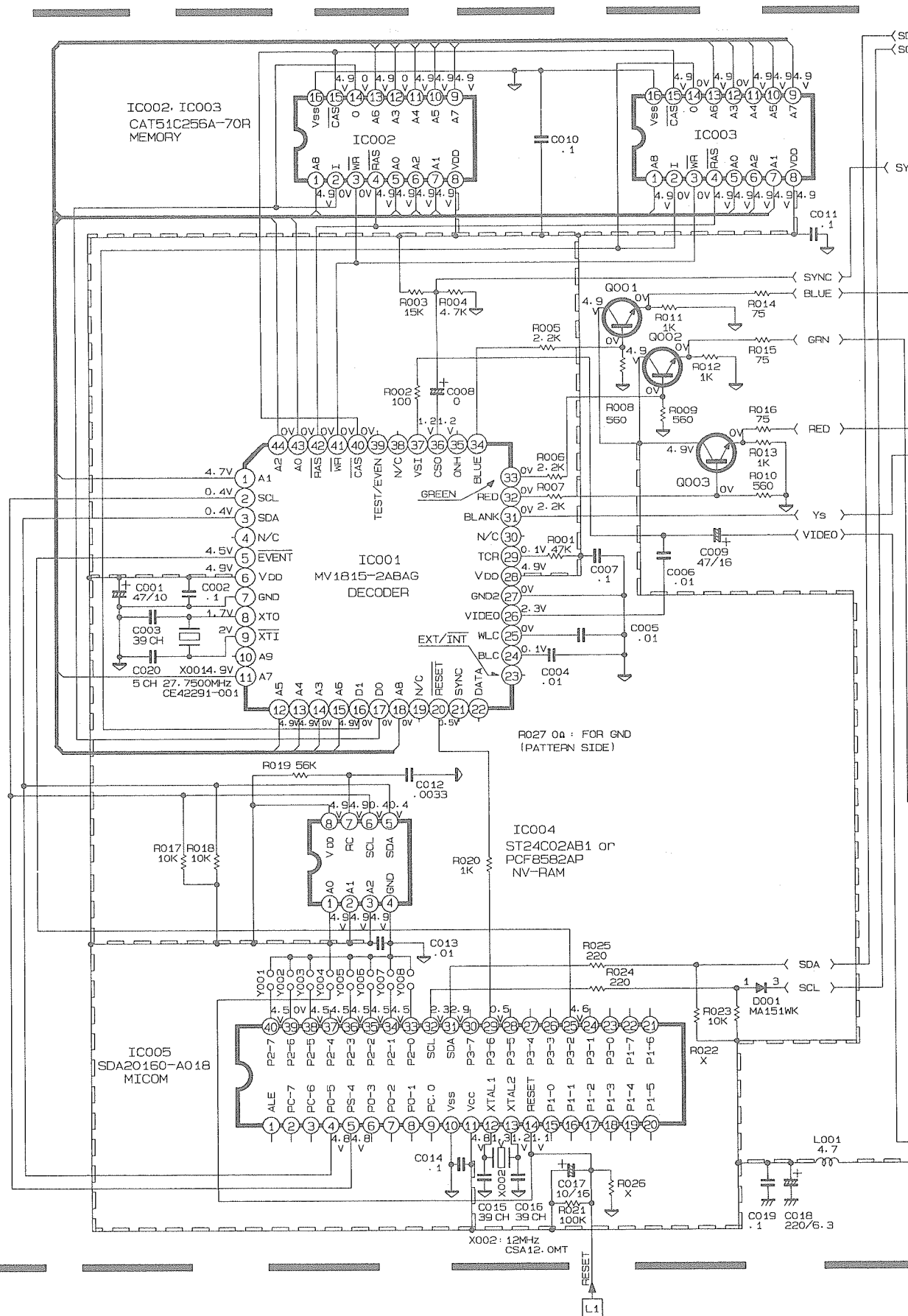
INCE LIST(UNIT:V)
ITCH

Q101	Q102	Q103	Q104	Q105	Q106	IC101														
N	OUT	IN	OUT	IN	OUT	IN	OUT	B	C	IN	OUT	①	②	③	④	⑤	⑥	⑦	⑧	⑨
9	0	0	6.2	5.9	0	0.1	6.2	0.7	0.1	2.1	0.1	6.2	5.9	5.9	5.9	5.9	0	0	0	0
9	0	0	6.2	5.9	0	4.1	0.1	0.4	4.1	2.1	0.1	6.2	5.9	0.3	2.3	2.3	0	0	0	0
0	11.8	5	0.1	0	5	5	0.1	0	5	6.1	0	0.1	0	0.1	0.1	-0.3	11.9	12	11.9	0
0	11.8	01	6.2	0	0.1	0.1	6.1	0	0.1	6.1	0	6.2	0	5.6	5.6	-0.2	11.9	11.9	11.9	0.1
0	11.9	0.1	6.2	0	0.1	5	6.1	0	5	6.1	0	6.2	0	2.3	2.3	-0.2	11.9	11.9	11.9	0.1

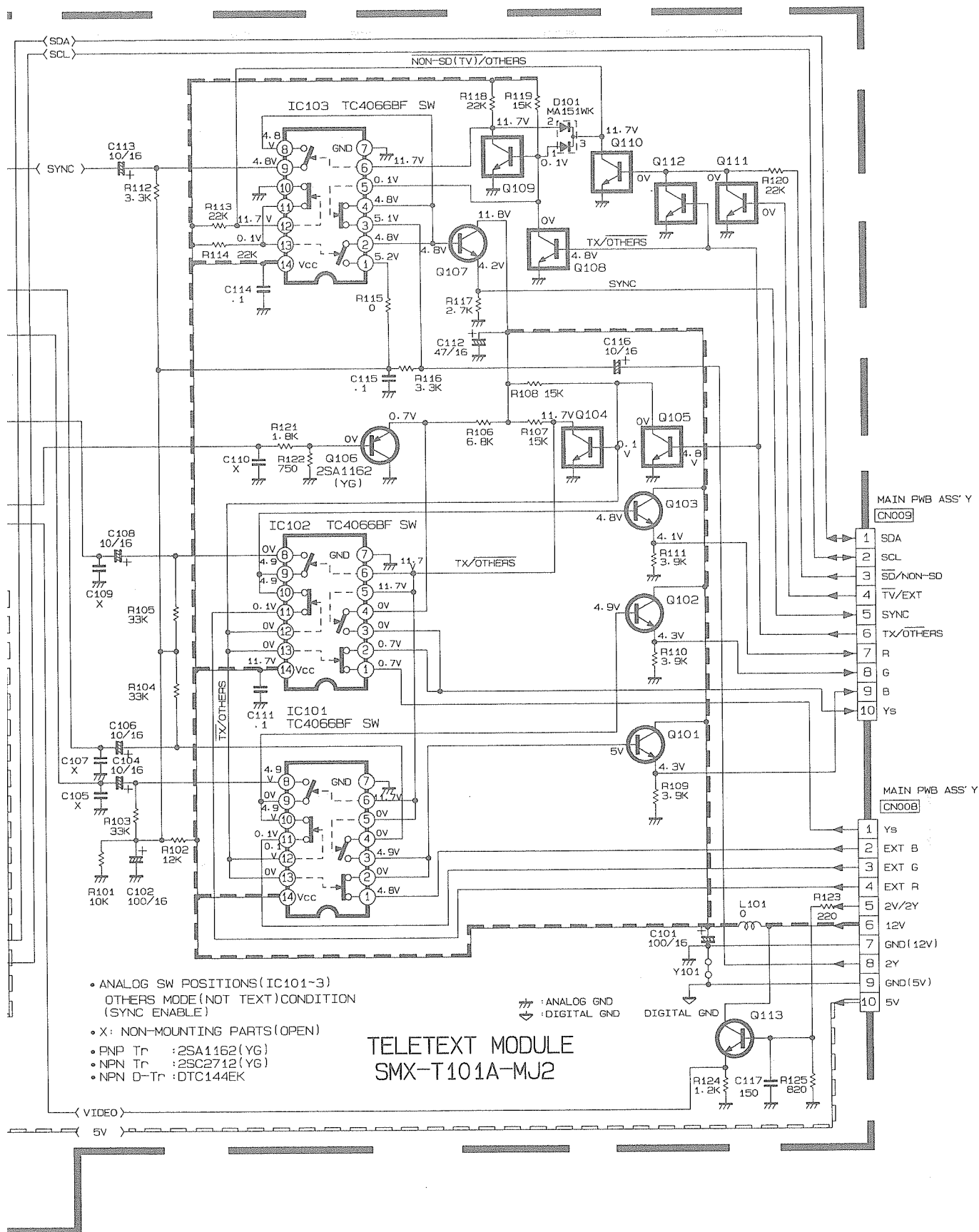
EXT mode



TELETEXT MODULE CIRCUIT DIAGRAM

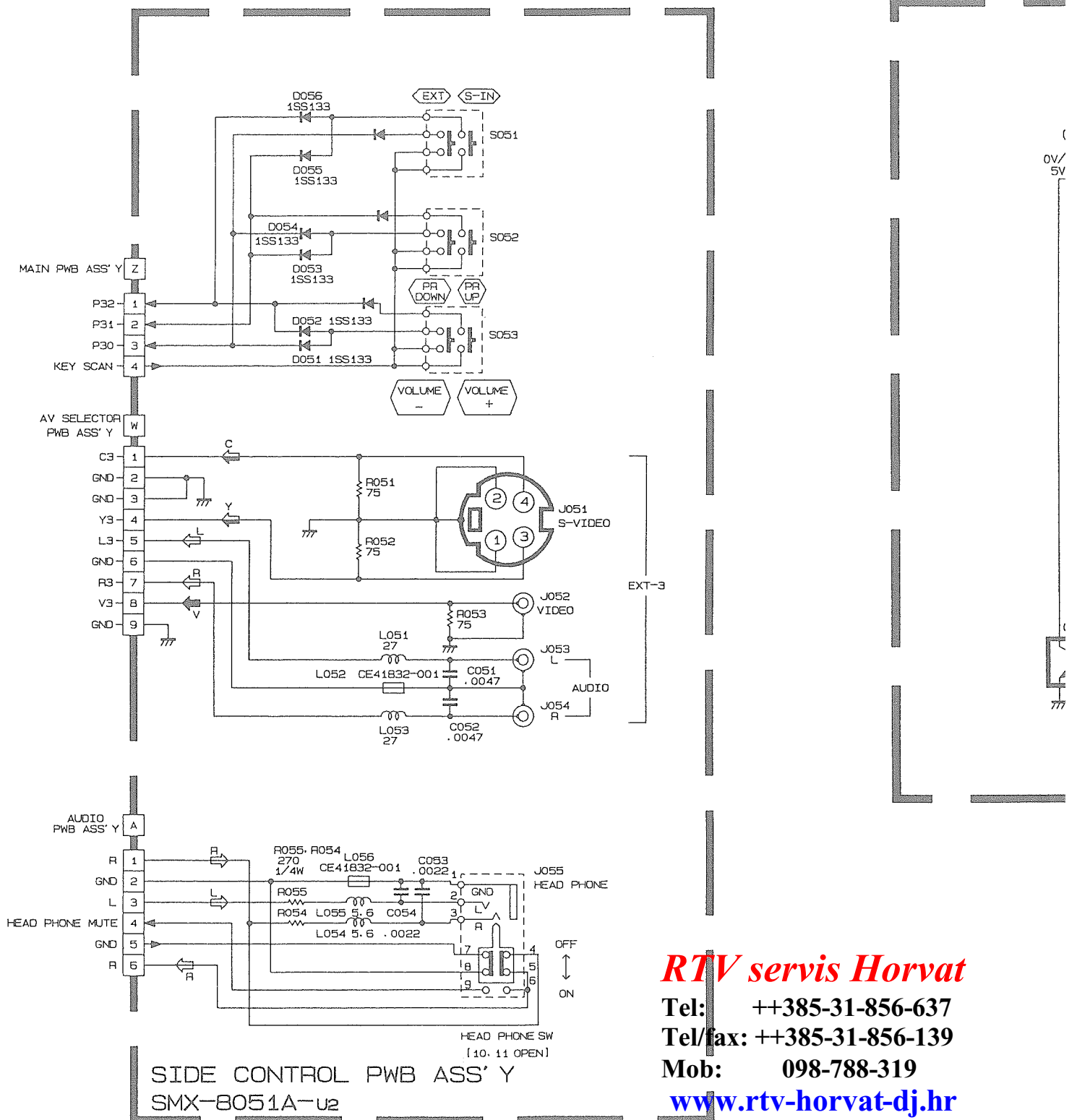


Refer to the following PWB pattern : TELETEXT MODULE PATTERN 3-51page.



SIDE CONTROL PWB CIRCUIT DIAGRAM

Refer to the following PWB pattern. : SIDE PWB PATTERN 3-53page.



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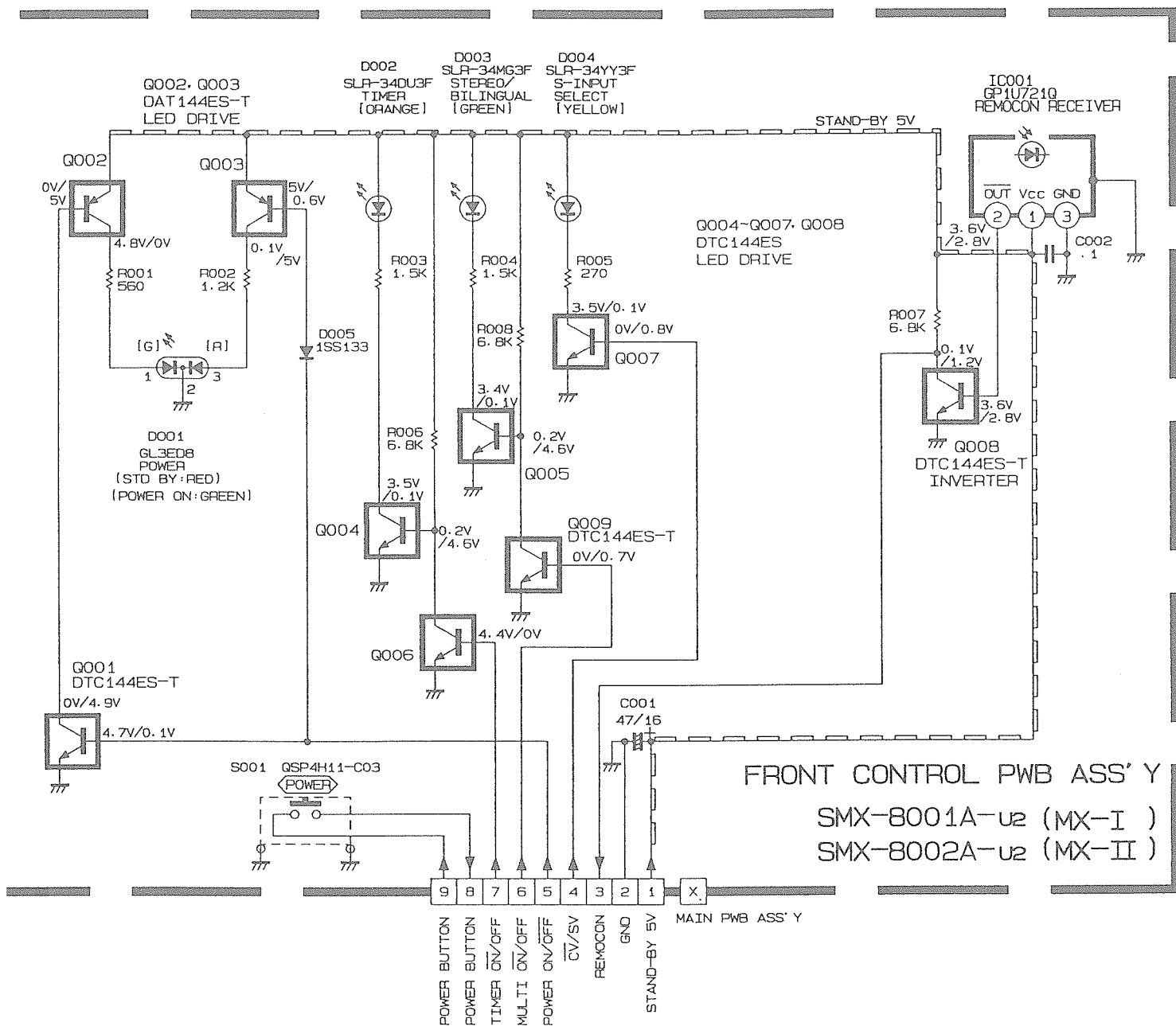
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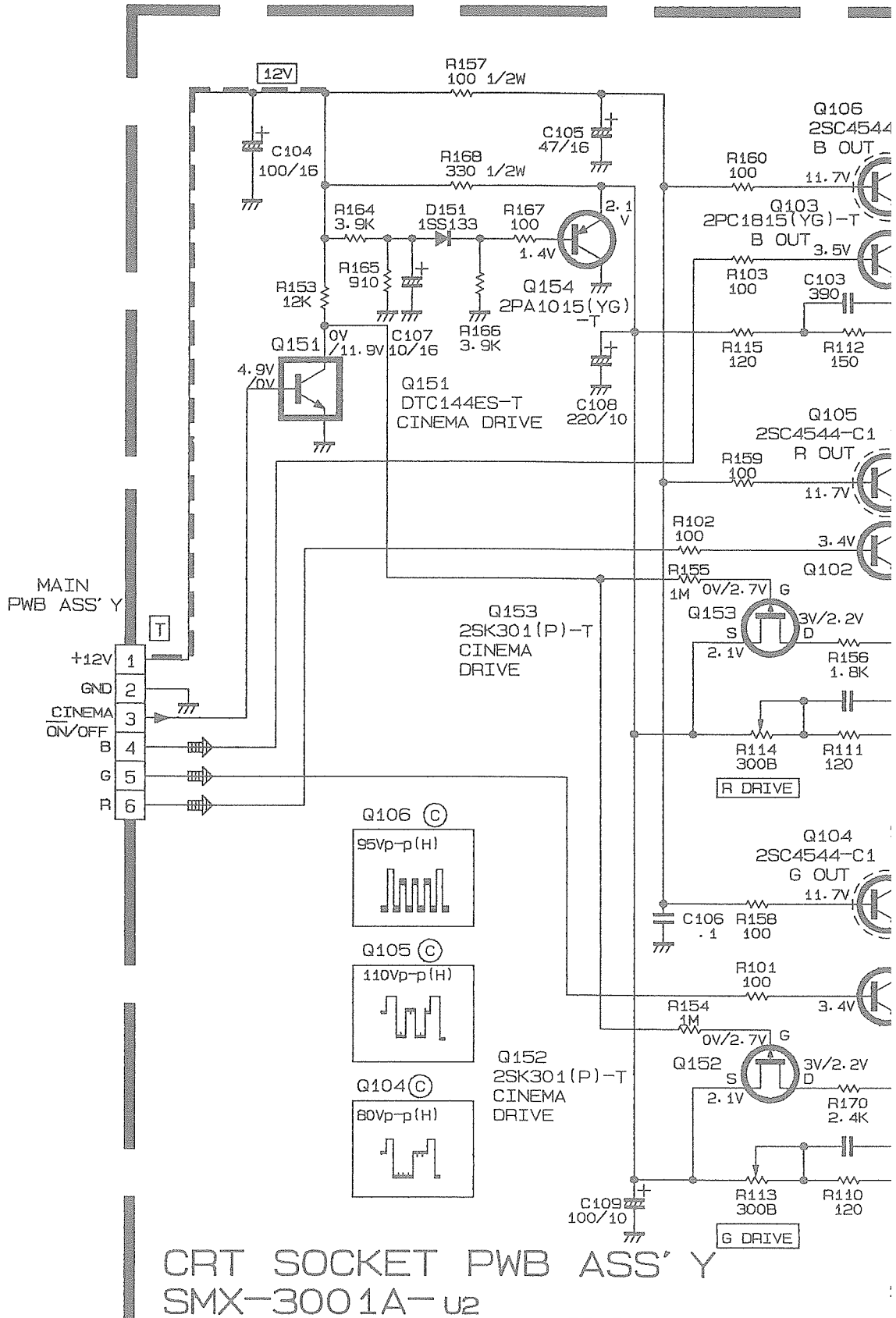
FRONT CONTROL PWB CIRCUIT DIAGRAM

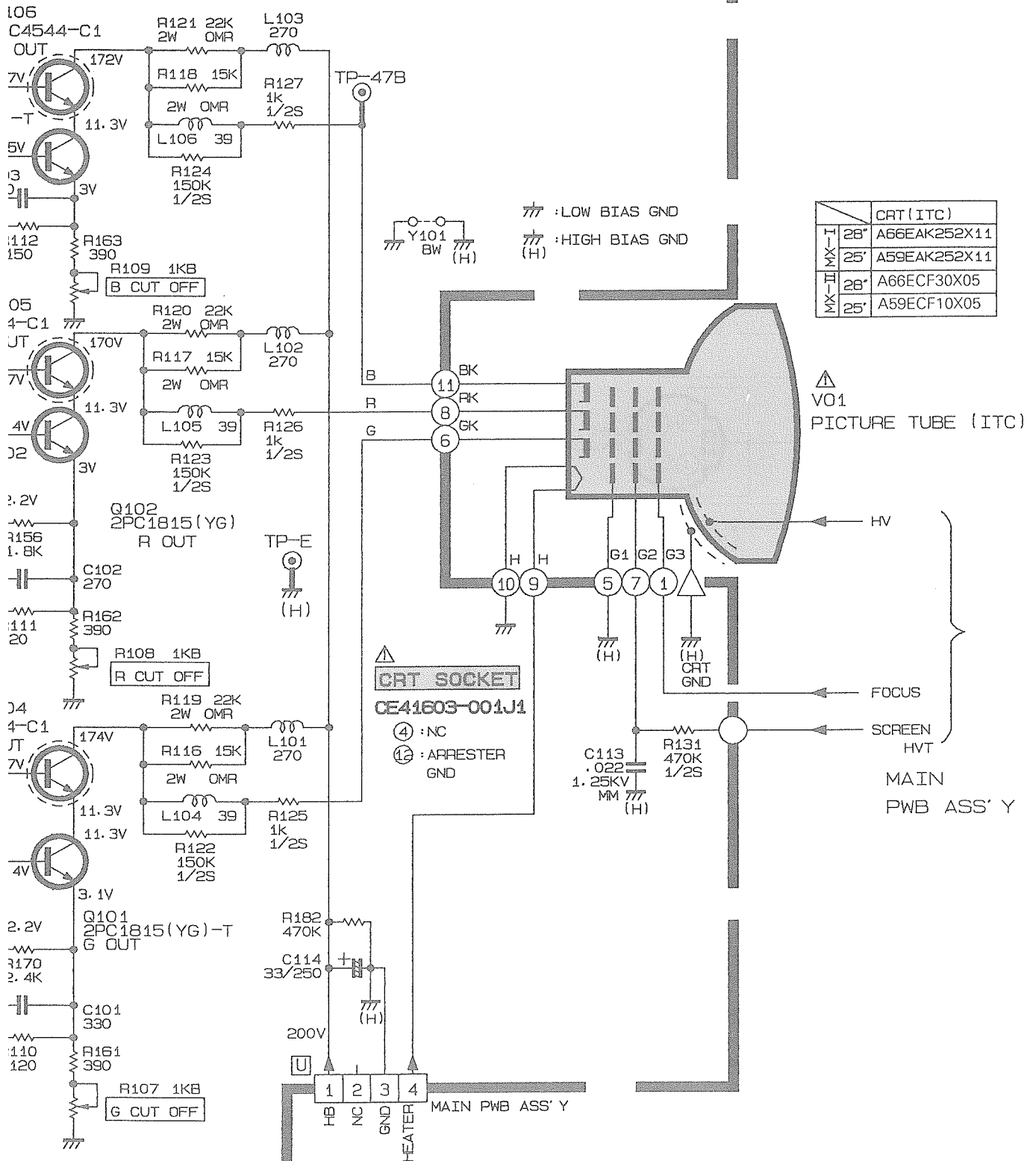
Refer to the following PWB pattern. : FRONT CONTROL PWB PATTERN 3-54page.



CRT SOCKET PWB CIRCUIT DIAGRAM

Refer to the following PWB pattern. : CRT SOCKET PWB PATTERN 3-55page.





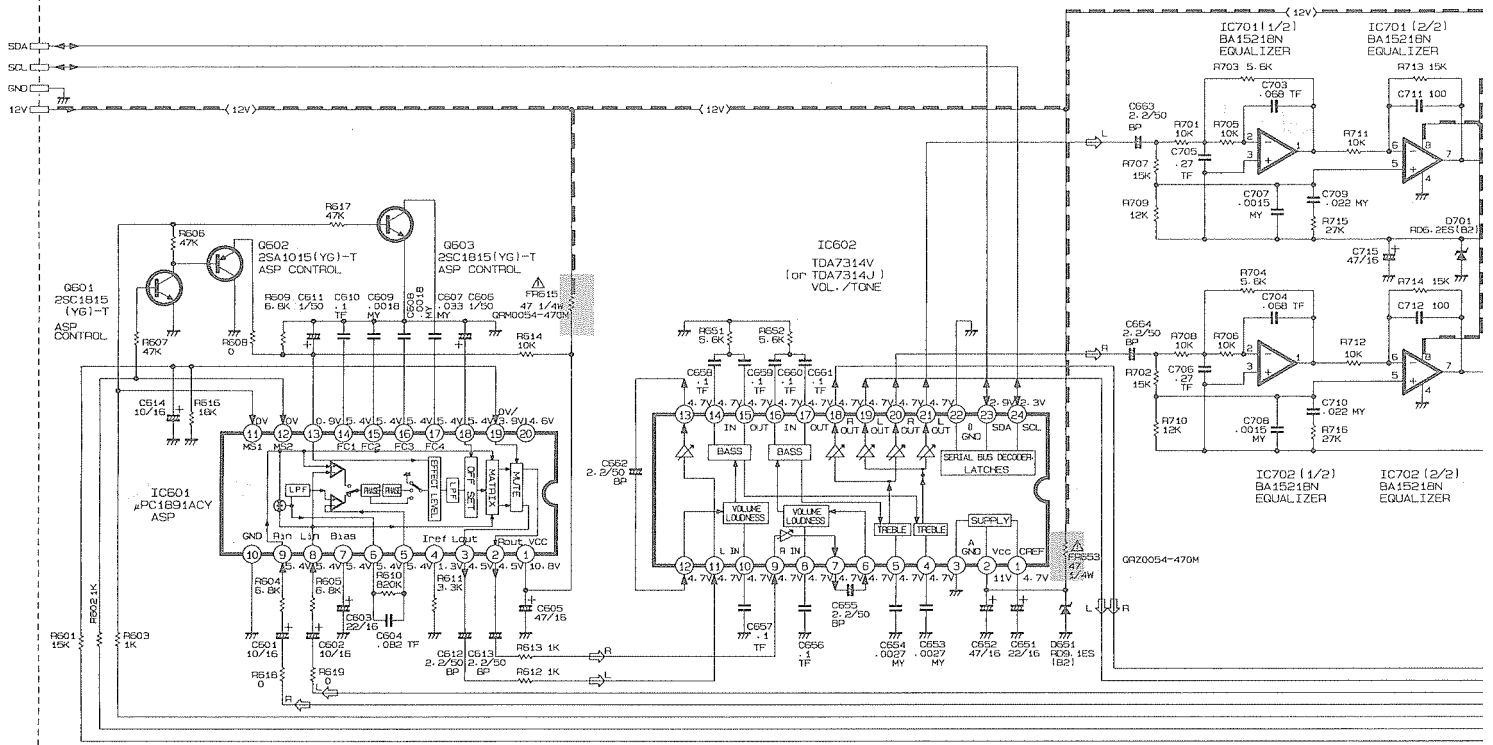
AUDIO PWB, HYPER BASS PWB CIRCUIT DIAGRAMS

AUDIO PWB ASS'Y SMX0A001A-U2 [MX-I]

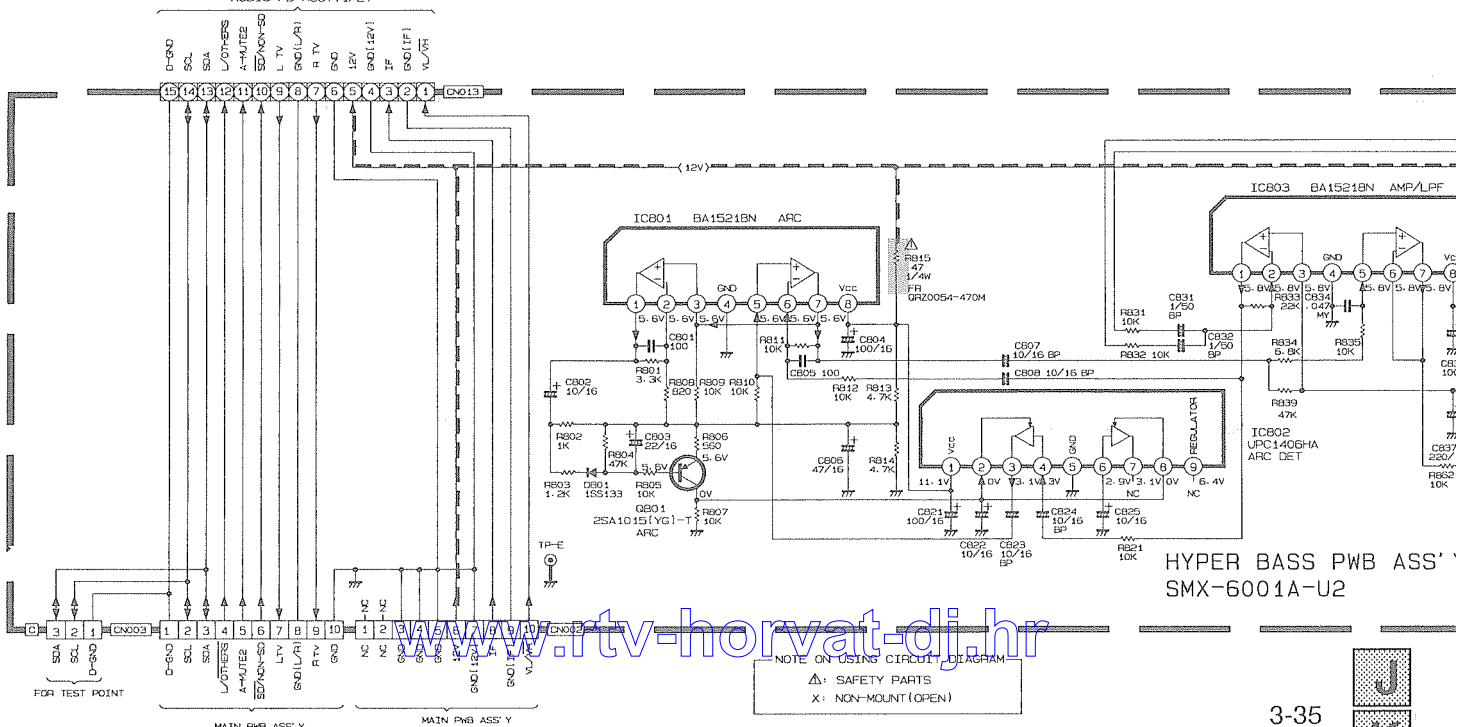
DIFFERENT VOLTAGE LIST [ASP][UNIT:V]

	Q601			Q602			Q603			IC601	
	B	C	E	B	C	E	B	C	E	①	②
Receiving Monaural Broadcasts	0	0.3	0	0.3	0	1	0	0	0	0	0
SURROUND OFF	0	0.3	0	0.3	0	1	0	0	0	0	0
LIVE EFFEX	0.7	0	0	0	0	0.7	0	0	0	4.7	4.7
STEREO EFFEX	0.7	0	0	0	0	0.7	0.7	0	0	4.6	4.7

	Q601			Q602			Q603			IC601	
	B	C	E	B	C	E	B	C	E	①	②
Receiving Stereo Broadcasts	0	0.3	0	0.3	0	1	0	0	0	0	0
SURROUND OFF	0	0.3	0	0.3	0	1	0	0	0	0	0
LIVE EFFEX	0.7	0	0	0	0	0.7	0	0.3	0	0	4.7
HALL EFFEX	0	4.7	0	4.7	0	4.5	0.7	0	0	4.7	0



AUDIO PB ASSY(1/2)



NOTE ON USING CIRCUIT DIAGRAM
 Δ: SAFETY PARTS
 X: NON-MOUNT (OPEN)

Refer to the following PWB pattern. : AUDIO PWB PATTERN 3-58page, HYPER-BASS PWB PATTERN 3-56page

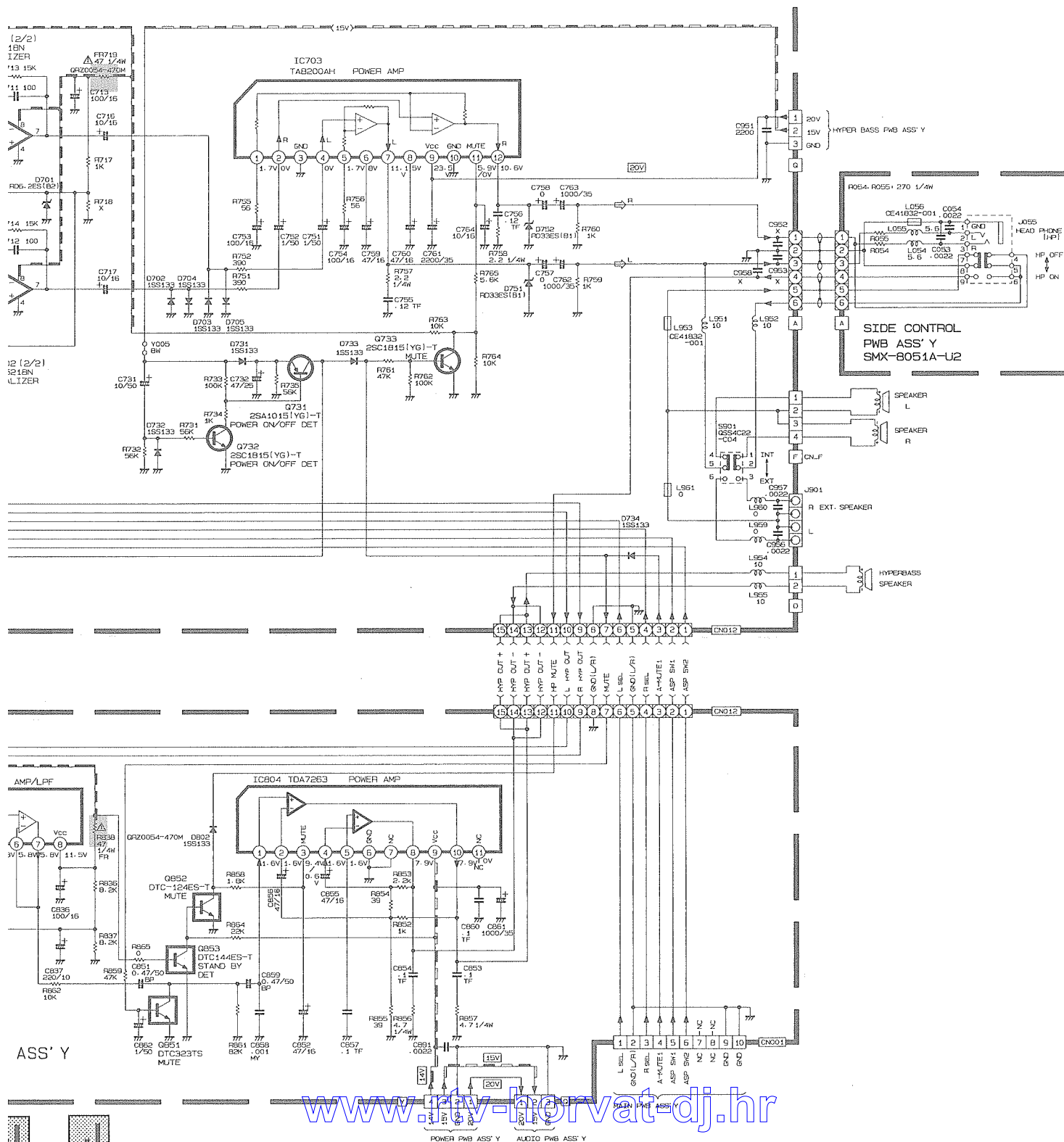
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AUDIO PWB, AUX PWB CIRCUIT DIAGRAMS

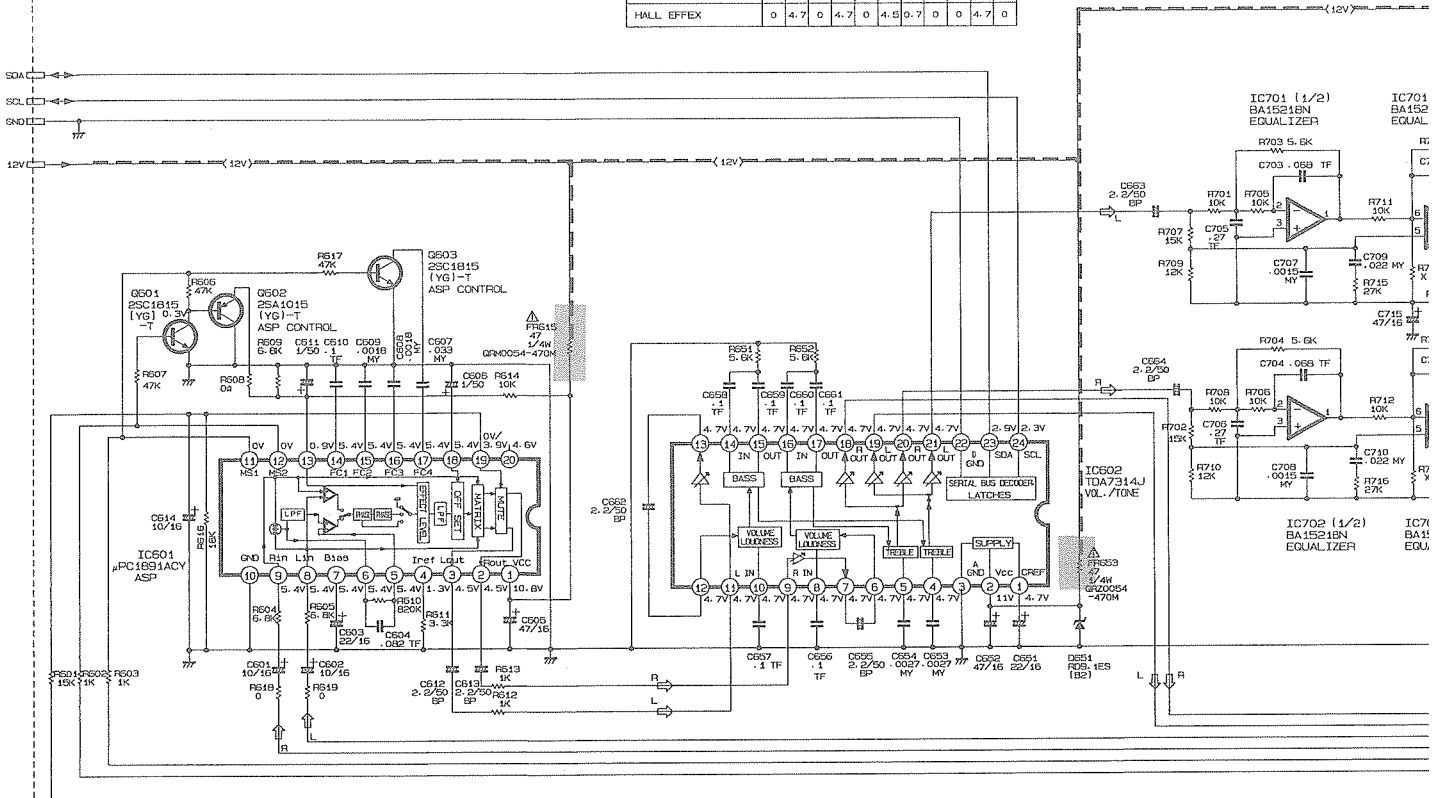
[MX-II]

AUDIO PWB ASS'Y SMX0A002A-U2 [MX-II]

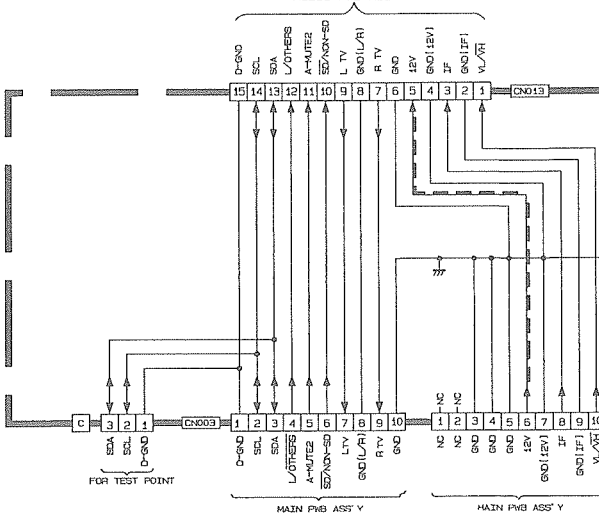
DIFFERENT VOLTAGE LIST (ASP) [UNIT: V]

Receiving Monoaural Broadcasts	Q501			Q502			Q503			IC501	
	B	C	E	B	C	E	B	C	E	②	③
SURROUND OFF	0	0.3	0	0.3	0	1	0	0	0	0	0
LIVE EFEX	0.7	0	0	0	0	0.7	0	0	0	0	4.7
STEREO EFEX	0.7	0	0	0	0	0.7	0.7	0	0	4.6	4.7

Receiving Stereo Broadcasts	Q501			Q502			Q503			IC501	
	B	C	E	B	C	E	B	C	E	②	③
SURROUND OFF	0	0.3	0	0.3	0	1	0	0.4	0	0	0
LIVE EFEX	0.7	0	0	0	0	0	0.3	0	0	0	4.7
HALL EFEX	0	4.7	0	4.7	0	4.5	0.7	0	0	4.7	0

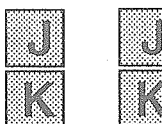


AUDIO PWB ASS'Y

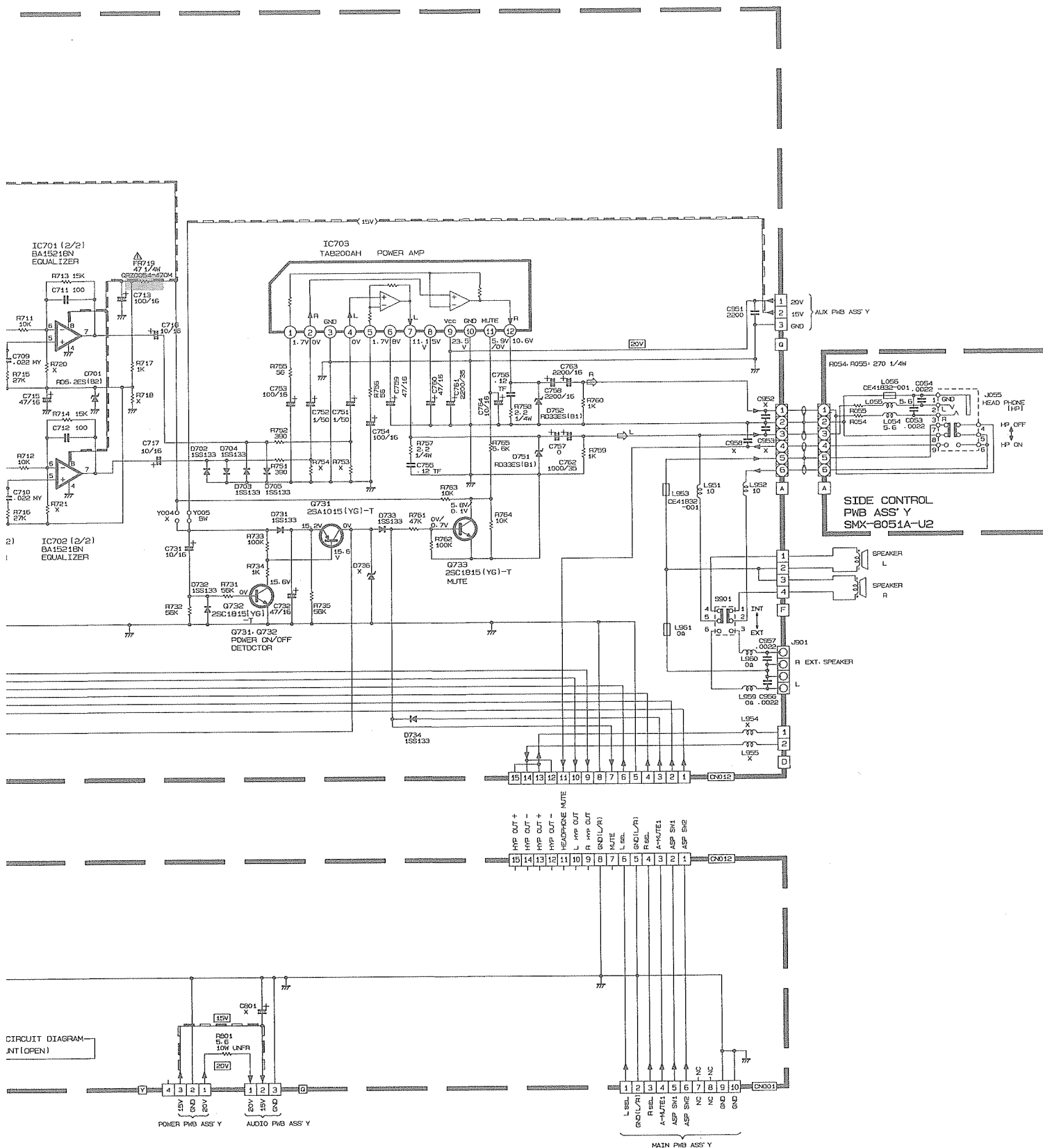


AUX PWB ASS'Y SMX-6051A-U2

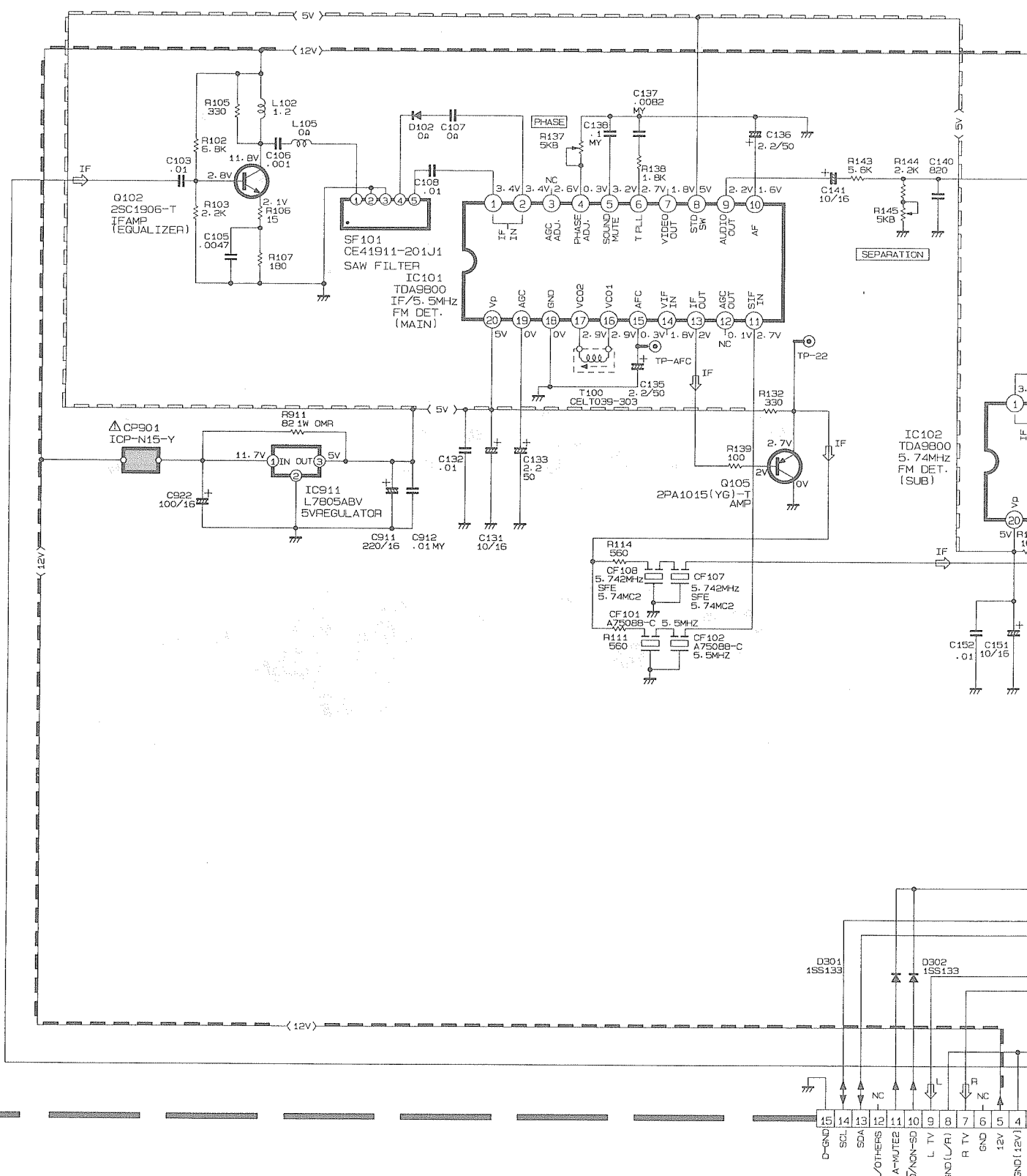
NOTE ON USING CIRCUIT DI.
X: NON-MOUNT (OPEN)



Refer to the following PWB pattern. : AUDIO PWB PATTERN 3-58page, AUX PWB PATTERN 3-57page.



AUDIO PWB CIRCUIT DIAGRAM



Refer to the following PWB pattern : AUDIO PWB PATTERN 3-58page.

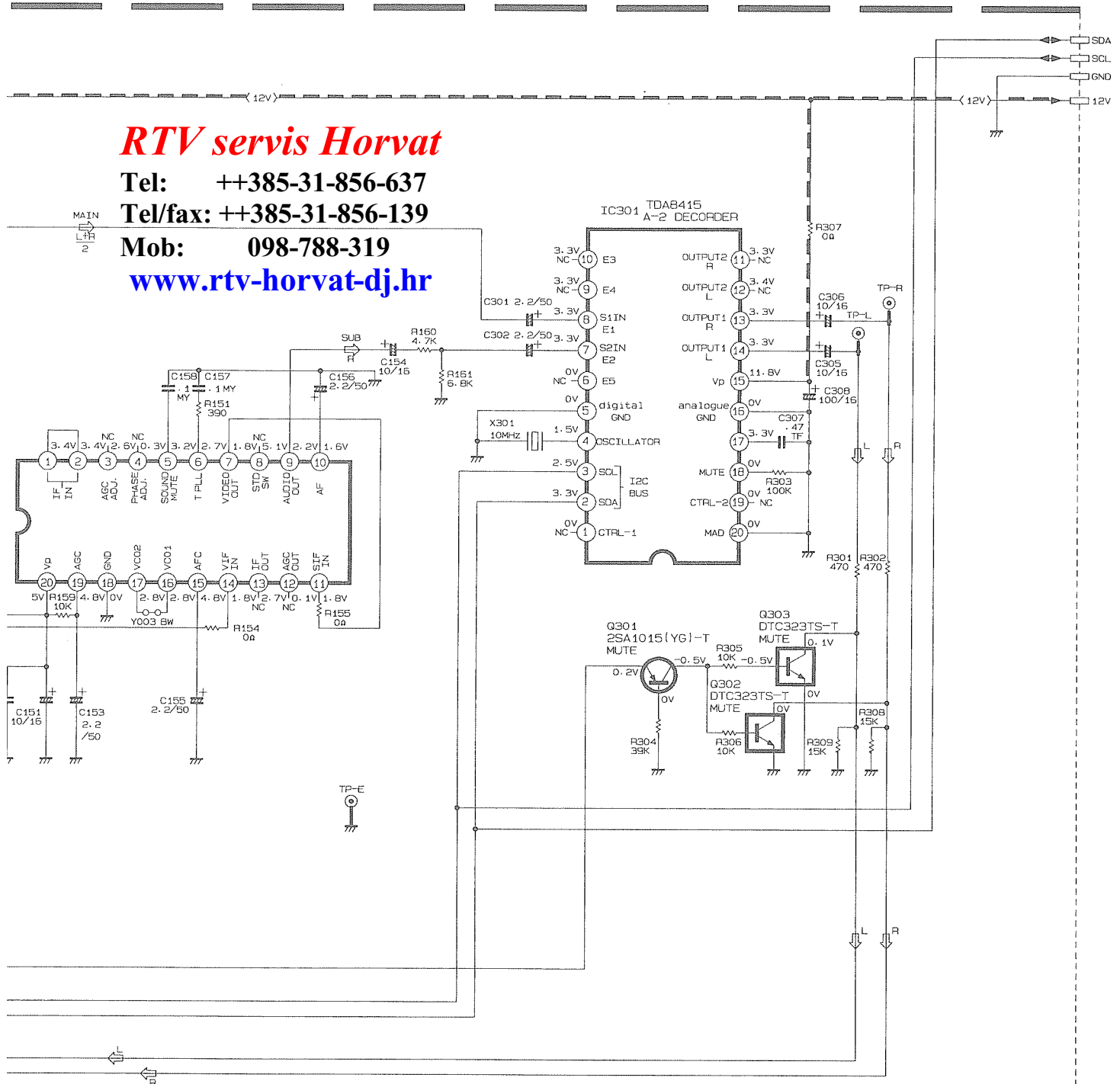
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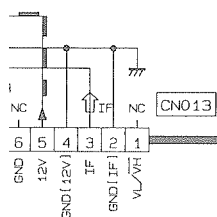
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AUDIO PWB ASS' Y
SMX0A001A-U2 [MX-I]
SMX0A002A-U2 [MX-II]

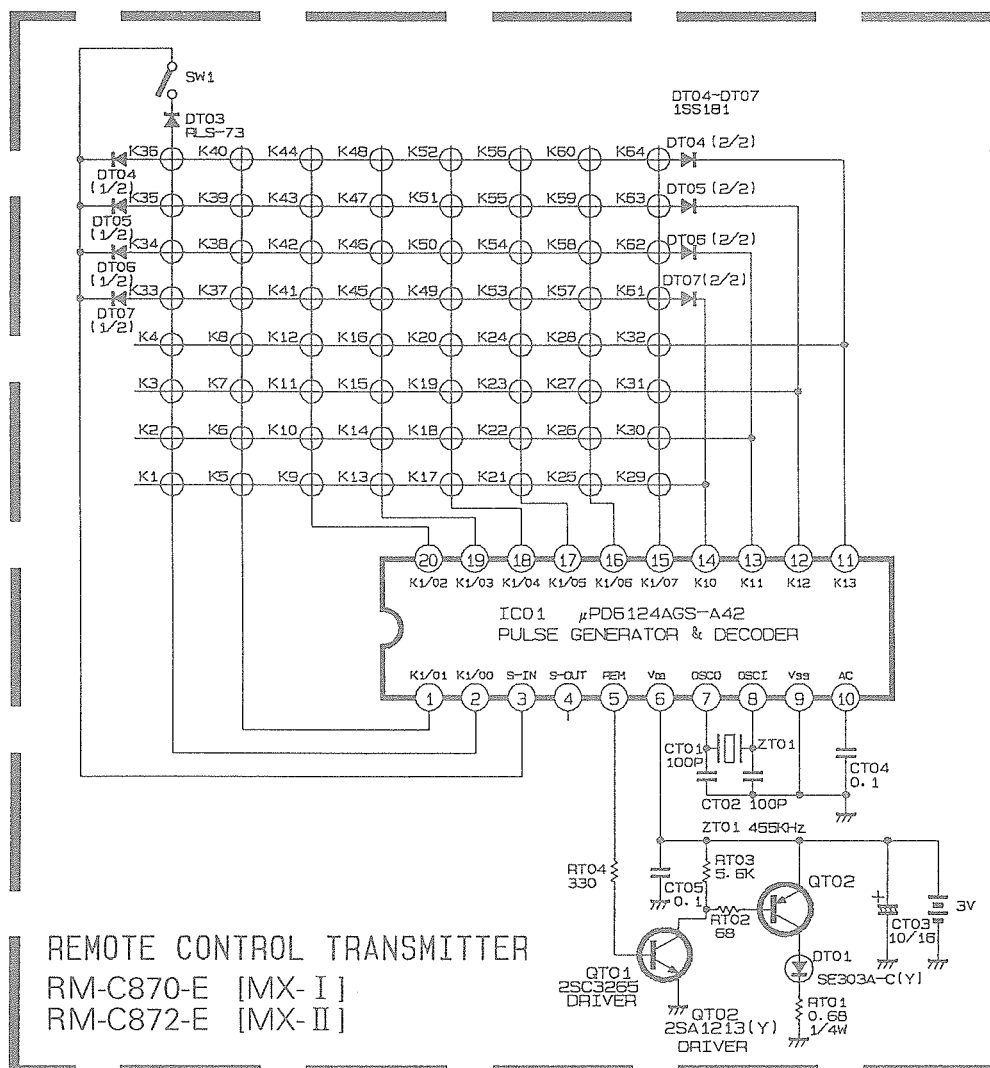


31r AUX PWB ASS' Y

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REMOTE CONTROL TRANSMITTER CIRCUIT DIAGRAM



KEY No.	FUNCTION		KEY No.	FUNCTION	KEY No.	FUNCTION
	CLOSE(SW1 ON)	OPEN(SW1 OFF)				
K 1	DISPLAY CANCEL	CHANNEL (VTR) ∨	K14	EXIT	K50	CHANNEL RETURN
K 2	SUB PAGE	CHANNEL (VTR) ∧	K17	MUTE	K51	7
K 3	MODE	EJECT	K18	VOLUME -	K52	8
K 4	STORE	REWIND	K19	VOLUME +	K53	9
K 5	SIZE	FWD	K20	FUNCTION ▲	K54	PR/CH/CC
K 6	HOLD	ASP	K21	FUNCTION - (◀)	K55	0
K 7	REVEAL	STOP	K22	FUNCTION + (▶)	K56	--
K 8	R(RED)	16:9	K23	FUNCTION ▼		
K 9	G(GREEN)	CINEMA	K24	MENU OK		
K10	B(BLUE)	VSM	K30	DISPLAY		
K11	TV	TV	K40	POWER(TV)		
K12	EXIT	EXT	K41	SLEEP TIMER		
K13		POWER(VTR)	K42	CHANNEL PAGE ∨		
K25		REC	K43	CHANNEL PAGE ∧		
K26	INDEX	PLAY	K44	1		
K27	TV/TEXT/MIX	PAUSE	K45	2		
K29	Y(YELLOW)	VSM STD (→→→)	K46	3		
K37		HYPER BASS (only MX-I)	K47	4		
K38	S-IN	S-IN	K48	5		
K39	P/S/N	P/S/N	K49	6		