

General Information

Also Covers
MB Chassis

Recommended Safety Parts

Item	Part No.	Description
V01	W76ESF031X44	ITC TUBE(C)
L01	CELD062-001J2	DEGAUSSING COIL
T2551	CETH021-00AJ1	HVT (SERVICE)
13	CE41950-001J1	ANODE CABLE ASSY
14	AEEMP003-185A	POWER CORD
15	CM46618-A01-E	POWER CORD CLAMP
24	CM12737-003-E	REAR COVER
26	LC20091-001A-U	RATING LABEL
R2991	QRZ0057-825	C R 8.2M OHM 1W J
C2902	QFZ9040-473N	MM CAP. 0.47uF 400V M
C2991	QCZ9041-471A	C CAP. 470pF 400V K
C2992	QCZ9041-332A	C CAP. 330pF 400V M
T2551	CETH021-00AJ1	H.V.T (SERVICE)
T2901	CETS089-001J4	SWITCH. TRANSF.
FR2551	QRH017J-1R0M	F R 1 OHM 1W J
FR2552	QRH017J-1R0M	F R 1 OHM 1W J
FR2553	QRZ0054-4R7M	F R 4.7 OHM 1/4W J
PC2901	TLP721F (D4-GR)	I. C (PH. COUPLER)
R3109	QRH017J-561M	F R
SK3001	CE42670-001	C.R.T. SOCKET
C8901	QFZ9040-474N	MF CAP. 0.47pF
F8901	QMF51D2-3R15J1	FUSE 3.15A
LF8901	CELFO12-001J7	LINE FILTER
LF8902	CELFO12-001J7	LINE FILTER
S8901	QSP4K21-C01	PUSH SWITCH MAIN POWER
R0603	QRZ0054-470M	F R 47 OHM 1/4W J
9	C040353-001-E	INST. BOOK
10	C040352-001-E	INST. BOOK

E2prom Replacement

REPLACEMENT OF MEMORY IC'S

1. Memory IC

This TV uses memory ICs (EEP-ROM IC). In the memory ICs, there is memorized data for correctly operating the video and deflection circuits. When replacing memory IC's, be sure to use IC's written with the initial values of data.

2. Procedure for replacing memory IC's

Procedure

1) Power off

Switch the power off and unplug the power code from the outlet.

2) Replacing the memory IC

Be sure to use memory IC's written with the initial data values.

3) Power on

Plug the power code into the outlet and switch the power on.

4) Check and set SYSTEM CONSTANT SET

1) Press the INFORMATION key and the MUTE key of the REMOTE CONTROL UNIT simultaneously.

2) The SERVICE MENU screen shown in Fig. 1 will be displayed.

3) While the SERVICE MENU is displayed, press the INFORMATION key and MUTE key simultaneously, and the SYSTEM CONSTANT SET screen shown in Fig. 2 will be displayed.

4) Check the setting value of the SYSTEM CONSTANT SET shown in Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION +/- key.

5) Press the MENU key to memorize the setting value.

6) Press the INFORMATION key twice, and return to the normal screen.

5) Setting of receive channels.

Set the receive channels. For setting, refer to the OPERATING INSTRUCTIONS.

6) User Setting

Check the user setting values, and if setting value is different, set the correct value. For setting, refer to the OPERATING INSTRUCTIONS.

7) Setting of SERVICE MENU

Verify the setting items of the SERVICE MENU, and reset where necessary. For setting, refer to the SERVICE ADJUSTMENTS.

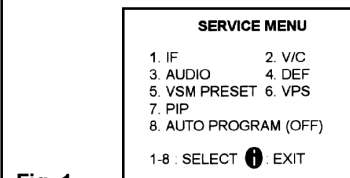


Fig. 1

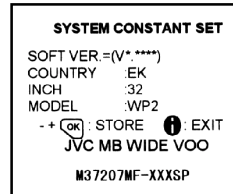


Fig. 2

Remote Control Keys

Names of key	key
INFORMATION	[i]
MUTE	[M]
MENU	[OK]
FUNCTION UP/DOWN	[UP/DOWN]
FUNCTION +/-	[+/-]

Setting Values of Constant Set

Setting item

1. COUNTRY

Setting content

→ EN → EP → EK

Setting value

EK

Setting item

2. INCH

Setting content

→ 28 → 32 → 24

Setting value

32

Setting item

3. MODEL

Setting content

→ WP2 → WZ2

Setting value

WP2

SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1. IF	1. VCO 2. DELAY POINT 3. L. V. LEVEL 4. ATT	4. DEF.	1. V-SHIFT 2. V-SLOPE 3. V-SIZE 4. H-CENT 5. H-SIZE 6. EW-PIN 7. EW-COR 8. TRAPEZ 9. V-S.CR 10. EHT-COMP 11. CLAMP
2. V/C	1. RGB BLK 2. R DRIVE 3. G DRIVE 4. B DRIVE 5. R LEVEL 6. G LEVEL 7. B LEVEL 8. BRIGHT 9. CONT. 10. COLOUR(PAL/SECAM/NTSC) 11. HUE 12. PEAK DRIVE 13. GAMMA 14. VCOF 15. RELC	5. VSM PRESET	1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. G DRIVE 8. B DRIVE 9. BASS 10. TREBLE
3. AUDIO / OSD (Do not adjust)	1. CONC LIMIT 2. A2 ID THR 3. JVC LOGO H 4. TEXT MONO H 5. TEXT MIX H	6. VPS (Do not adjust)	VPS
		7. PIP	1. MAIN BRIGHT 2. MAIN R-Y 3. MAIN B-Y 4. SUB BRIGHT 5. SUB R-Y 6. SUB B-Y 7. V-CENTER 8. H-CENTER
		8. AUTO PROGRAM (Do not adjust)	ON / OFF

USER SETTING VALUES

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	MODE	CINEMA/SPORT
CHANNEL	1 POSITION	LEVEL	CENTER
CHANNEL PRESET	See OPERATING INSTRUCTIONS.	TV/SPEAKER	L/R/C
VOLUME	Appropriate sound volume	VOLUME	MAX
TV / EXT	TV	MODE	NORMAL
DISPLAY	CHANNEL DISPLAY	TV SPEAKER	L/R/C
ZOOM MODE	REGULAR	TEST TONE	OFF
POWER BASS	OFF	VOLUME	MAX
PIP	OFF	INSTALL	LANGUAGE ENGLISH
	LFR OFF	EXT SOURCE	EXT SETTING ID:NO INPUT S-IN:NO INPUT
	VNR OFF	DUBBING	EXT-1 → EXT-2
	4:3 AUTO ASPECT PANORAMIC	SLEEP TIMER	OFF
	COLOR SYSTEM TV:depend on PR EXT:AUTO	BLUE BACK	ON
	PIP POSITION Right below	CHILD LOCK	ID NO.0000 all channel off
	MULTI PICTURE 12 PICTURES	TINT	COOL
	PICTURE TILT CENTER	SETTING	RESET
	BASS,TRE BALA CENTER	ECO	OFF
	SPEAKER ON		
	HEAD PHONE VOLUME 20		
	HEAD PHONE MAIN		
	HEAD PHONE TV OFF		
	HEAD PHONE TV SPEAKER		
DIGITAL SRROUND	OFF		

Service Adjustments

BEFORE STARTING SERVICE ADJUSTMENT

- There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Turn on the power of the TV and measuring equipment for warming up for at least 30 minutes before starting adjustment.
- Make sure that connection is correctly made to AC power source.
- If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
- Preparation for adjustment (presetting): Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:
 - 1) PICTURE MODE (VSM)**
COOL
 - 2) SLEEP TIMER**
OFF
 - 3) DIGITAL SURROUND**
OFF
 - 4) BALANCE**
CENTRE
 - 5) ECO**
OFF
 - 6) ZOOM**
REGULAR

MEASUREMENT EQUIPMENT AND FIXTURES

- DC voltmeter (or digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator) [PAL / SECAM / NTSC]
- Remote control unit

ADJUSTMENT ITEMS

- B1 power supply check
- FOCUS adjustment
- IF circuit adjustment
- VSM PRESET adjust setting
- VIDEO / CHROMA circuit adjustment
- DEFLECTION circuit adjustment
- AUDIO circuit adjustment (Do not adjust)

BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

1) 1. IF

This mode adjusts the setting values of the IF circuit.

2) 2. V/C

This mode adjusts the setting values of the VIDEO / CHROMA circuit.

3) 3. AUDIO

This mode adjusts the setting values of the multiplicity SOUND circuit.

4) 4. DEF

This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given.

PANORAMIC	(50 / 60Hz)
REGULAR	(50 / 60Hz)
14:9 ZOOM	(50 / 60Hz)
16:9 ZOOM	(50 / 60Hz)
16:9 ZOOM SUB TITLE	(50 / 60Hz)
FULL	(50 / 60Hz)

5) 5. VSM PRESET

This mode adjusts the initial setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory)

6) 6. VPS

This mode shows the monitor of the VPS and PDC. (Do not adjust). (VPS : Video Program System, PDC : Program Delivery Code)

7) 7. PIP

This mode adjusts the setting values of the PIP circuit.

8) 8. AUTO PROGRAM

By turning the power switch on, you can get the state of AUTO PROGRAM. (Do not adjust)..

3. BASIC OPERATION OF SERVICE MENU

1) How to enter SERVICE MENU

Press the INFORMATION and the MUTE key of the REMOTE CONTROL UNIT simultaneously. The SERVICE MENU screen of Fig.1 will be displayed.

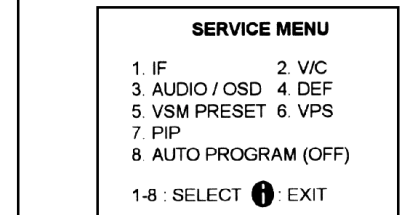


Fig. 1

Service Adjustments Cont'd

2) Selection of SUB MENU SCREEN

1) Press one of the keys 1~7 of the REMOTE CONTROL UNIT, and select the SUB MENU SCREEN (See Fig. 3) from the SERVICE MENU.

SERVICE MENU -> SUB MENU

1. IF
2. V/C
3. AUDIO / OSD
4. DEF.
5. VSM PRESET
6. VPS
7. PIP
8. AUTO PROGRAM

REMOTE CONTROL KEYS

Names of key	key
INFORMATION	
MUTE	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

Fig. 2

(3) Method of Setting

1) Method of Setting 1.IF

- (1) **1 Key.** Select 1.IF.
- (2) **1 Key.** Select 1.VCO
- (3) The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
- (4) **INFORMATION Key.** As you press this twice, you will return to the SERVICE MENU.

[2. DELAY POINT]

- (1) **1 Key.** Select 1.IF.
- (2) **2 Key.** Select 2.DELAY POINT.
- (3) **FUNCTION +/-**. Set (adjust) the setting values of the setting items.
- (4) **MENU Key.** Memorize the set value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON/OFF keys - if you do, the values will not be stored in memory.)
- (5) **INFORMATION Key.** When this is pressed twice, you will return to the SERVICE MENU.

2) Method of setting 2.V/C, 3.AUDIO, 4.DEF, 5.VSM PRESET and 7.PIP.

- (1) **2-5, 7 Key.** Select one from 2. V/C, 3. AUDIO, 4. DEF and 5.VSM PRESET and 7.PIP.
- (2) **FUNCTION UP/DOWN Key.** Select setting items.
- (3) **FUNCTION +/-**. Set (adjust) the setting values of the setting items. (When 1.RGB BLK of 2.V/C is selected, press the FUNCTION +/- key, and the whole will change to a black picture. Press the 2 key, and the screen will return to the original screen.)
- (4) **MENU Key.** Memorize the setting value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key if you do, the values will not be stored in memory.)
- (5) **INFORMATION Key.** Return to the SERVICE MENU screen.

3) Method of setting 6.VPS and 8.AUTO PROGRAM.

- (6) **VPS.** This mode displayed monitor of VPS systems. Do not adjust
- (8) **AUTO PROGRAM.** When the MAIN POWER is turned on with the state of AUTO PROGRAM ON, you get a mode that initializes every existing set value including language selection. Because this mode is set at the factory upon completion of the adjustment, you need not to use it for service. **Do not adjust in this mode.**

(4) Release of SERVICE MENU

- 1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

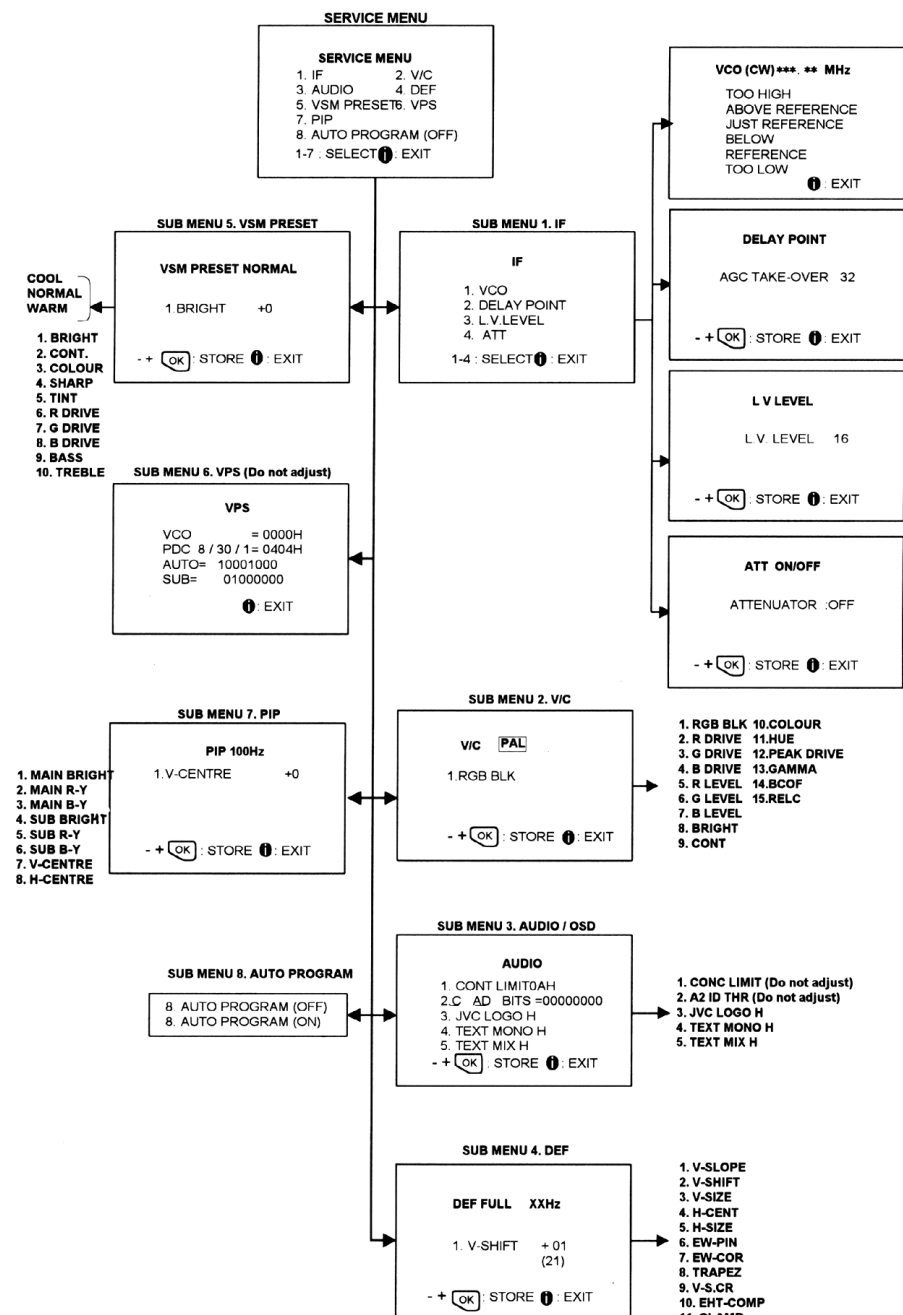
POWER SUPPLY CHECK

- Item**
Check of B1 voltage

Measuring instrument
Signal generator
DC voltmeter

Test point
TP-91(B1)

SERVICE MENU SCREEN



1. BRIGHT
2. CONT.
3. COLOUR
4. SHARP
5. TINT
6. R DRIVE
7. G DRIVE
8. B DRIVE
9. BASS
10. TREBLE

1. MAIN BRIGHT
2. MAIN R-Y
3. MAIN B-Y
4. SUB BRIGHT
5. SUB R-Y
6. SUB B-Y
7. V-CENTRE
8. H-CENTRE

- TP-E ().
[X connector in POWER DEF PWB]
- Description**
1. Receive a whole black signal.
 2. Connect a DC voltmeter to TP-91(B1) and TP-E ().
 3. Make sure that the voltage is DC141.5± 2.0V.

FOCUS ADJUSTMENT

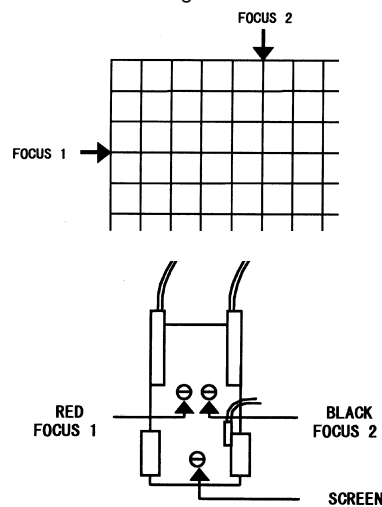
- Item**
Adjustment of FOCUS

Measuring instrument
Signal generator

Adjustment part
FOCUS VR [In HVT]

- Description**
1. By turning the black VR FOCUS 2, adjust the picture so that the 5th vertical line from the left side of the cross-hatch picture becomes thinnest..
 2. By turning the red VR FOCUS 1, adjust the picture so that the 3rd horizontal line from the upper side of the cross-hatch picture be-

- comes uniform at the line centre and its periphery.
3. Carry out adjustment by repeating the steps 2 and 3.
4. Make sure that when the screen is darkened, the lines remain in good focus.



IF CIRCUIT ADJUSTMENT

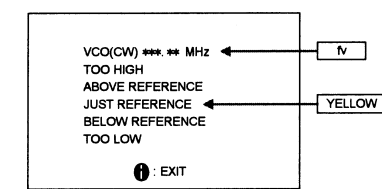
- Item**
Adjustment of VCO (MAIN)

Measuring instrument
Remote control unit

Adjustment part
P. CW TRANSF. (T050)
P.L-VL CW TRIM C (C052)
[In IF PWB]

Description

- Do not make any adjustment unless the adjustment is out of way and you cannot get correct PICTURE.
1. Select 1.IF from the SERVICE MENU.
 2. Press 1 key and select 1.VCO.
 3. Select a receivable broadcast channel with the CHANNEL key.
 4. Turn the core of P. CW TRANSF. until the colour of the characters TOO HIGH displayed on the screen changes from blue to..Yellow. (Step 1)
 5. Turn the core of P. CW TRANSF. until the colour of the characters TOO LOW changes from blue to Yellow. (Step 2)
 6. Then slowly turn back the core of P. CW TRANSF. until the colour of the characters JUST REFFERENCE changes from blue to Yellow. (Step 3)
 7. In the district SECAM L broadcast channel with the CHANNEL key and adjust the P.L-VL CW TRIM. C in same manner as for above step and if necessary, readjust P. CW TRANSF.
 8. Press the INFORMATION key three times to return to normal screen.
 9. Perform CHANNEL PRESET again, and make sure that each broadcast is being received properly.



Screen display	Step		
	1	→2	→ 3
TOO HIGH	Yellow	→ Blue	→ Blue
ABOVE REFERENCE	Blue	→ Blue	→ Blue
JUST REFERENCE	Blue	→ Blue	→ Yellow
BELOW REFERENCE	Blue	→ Blue	→ Blue
TOO LOW	Blue	→ Yellow	→ Blue

- Item**
Adjustment of DELAY POINT

Measuring instrument
Remote control unit

Adjustment part
DELAY POINT (AGC TAKE-OVER)

- Description**
1. Receive a black and white signal (colour off).
 2. Select 1 IF from the SERVICE MENU.
 3. Select 2.DELAY POINT by pressing the 2 key on the remote control.
 4. Adjust the FUNCTION - or + key until video noise disappears.
 5. Press the MENU key and memorize the set value.
 6. Turn to other channels and make sure that there are no irregularities.

Setting item (Adjustment item)
DELAY POINT (AGC TAKE-OVER)

Variable range: 0~63
Initial setting value: 30

Setting item (Adjustment item)
Adjustment of L, V LEVEL (EP MODEL ONLY)

Measuring instrument
Remote control unit
Oscilloscope

Adjustment part
L, V LEVEL

Description

1. Receive a colour bar signal. (SECAM-L, 75% white)
2. Connect the oscilloscope to EXT-1 PIN 19.
3. Select 1. IF from the service menu.
4. Select 3. L.V LEVEL by pressing the 3 key on the remote control.
5. Turn to other channels and make that there are no irregularities.

Item
Adjustment of VCO (SUB)

Measuring Instrument
Remote Control Unit

Adjustment Part
P. CW TRANSF (T103) P.L-VL CW TRIM C (C122) (in P & P PWB)

Description

- Do not make any adjustment unless the adjustment is out of the way and you cannot get correct PICTURE.
1. Select 1. IF from the SERVICE MENU.
 2. Press 1 key and select 1.VCO.
 3. Press OK key and select "VCO (CW) = SUB".
 4. Select a receivable broadcast channel with the CHANNEL key.
 5. Turn the core of P. CW TRANSF. until the colour of the characters TOO HIGH displayed on the screen changes from blue to..Yellow. (Step 1)
 6. Turn the core of P. CW TRANSF. until the colour of the characters TOO LOW changes from blue to Yellow. (Step 2)
 7. Then slowly turn back the core of P. CW TRANSF. until the colour of the characters JUST REFFERENCE changes from blue to Yellow. (Step 3)
 8. In the district SECAM L broadcast channel key and adjust the P.VL CW TRIM. C in the same in same manner as for above step, and if necessary, readjust P. CW TRANSF.
 9. Press the INFORMATION key three times to return to normal screen.
 10. Perform CHANNEL PRESET again, and make sure that each broadcast is being received properly.

Item
Setting of VSM PRESET ADJUST

Measuring instrument
Remote control unit

Adjustment part

1. BRIGHT
2. CONT.
3. COLOUR
4. SHARP
5. HUE
6. R DRIVE
7. G DRIVE
8. B DRIVE
9. BASS
10. TREBLE

Description

1. Select COOL with the MENU key of the remote control unit.
 2. Select 5.VSM PRESET from the SERVICE MENU.
 3. Adjust the FUNCTION UP/DOWN and +/- key to bring the set values of 1. BRIGHT ~ 10.TREBLE to the values shown in the table.
 4. Press the MENU key and memorize the set value.
 5. Respectively select the VSM PRESET mode for REGULAR and WARM, and make similar adjustment as in 3 above.
 6. Press the MENU key and memorize the set value.
- * Refer to OPERATING INSTRUCTIONS for the PICTURE MODE.

Setting item	VSM preset mode		
	COOL	REGULAR	WARM
1. BRIGHT	+0	+0	+0
2. CONT.	+13	+10	+2
3. COLOUR	+2	+0	-2
4. SHARP	+0	+0	-2
5. HUE	+0	+0	+0
6. R DRIVE	-5	+0	+14
7. G DRIVE	-11	+0	+5
8. B DRIVE	+0	+0	-6
9. BASS	+0	+0	0
10. TREBLE	+0	+0	0

VIDEO/CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting Item (Adjustment Item)	Initial setting value	
	PAL/ SECAM	NTSC 3.58 NTSC 4.43
1.RGB BLK	---	---
2.R.DRIVE	+12	---
3.G.DRIVE	+2	---
4.B.DRIVE	+0	---
5.R.LEVEL	+0	---
6.G.LEVEL	+0	---
7.B.LEVEL	+0	---
8.BRIGHT	-10	---
9.CONTRAST	-5	---

Setting item	Initial setting value	
	PAL/ SECAM	NTSC 3.58 NTSC 4.43
10.COLOUR	-40	0
11.HUE	---	0
12.PEAK DRIVE	+5	---
13.GAMMA	-21	---
14.VCOF	+0	---
15.RELC	+0	---

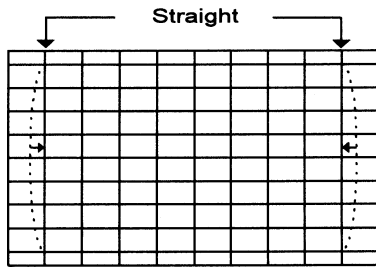
JVC AV-32WP2 EK

Adjustments Cont'd

Item
Adjustment of EW-PIN

Adjustment part
6. EW-PIN

Description
23. Select 6. EW-PIN and set the initial setting value
24. Adjust EW-PIN and make the 2nd. vertical lines at the left and right edges of the screen straight. Also make sure that the 3rd vertical lines are straight.
25. Press the MENU key and memorize the set value.



Item
Adjustment of EW-COR

Adjustment part
7. EW-COR

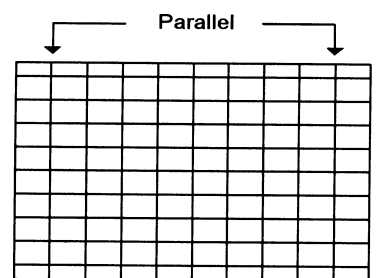
Description
* No alignment, but adjust this mode if result of no alignment is too bad.
26. Select 10. EW-COR and set the initial setting value.
27. Adjust EW-COR and make the vertical lines at the four corners of the screen straight
28. Press the MENU key and memorize the set value.

Item
Adjustment of TRAPEZ

Measuring Instrument
Signal generator
Remote control unit

Adjustment part
1. TRAPEZ

Description
[50Hz PANORAMIC mode]
29. Receive a cross-hatch signal of vertical frequency 50Hz.
30. Select 4. DEF from the SERVICE MENU.
31. Select 8. TRAPEZ with the FUNCTION UP/DOWN key.
32. Set the initial setting value of TRAPEZ with the FUNCTION - or + key.
33. Adjust TRAPEZ and bring the VERTICAL lines at the right and left edges of the screen parallel.
34. Press the MENU key and memorize the set value.



Item
Adjustment of V-S.CR

Adjustment part
9. V-S.CR

Description
* No alignment, but adjust this mode if result of no alignment is too bad.
35. Select 9. V-S.CR and set the initial setting value.
36. Adjust each item to get exact square of cross-hatch pattern.
37. Press the MENU key and memorize the set value.

At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz (NTSC EXT mode) PANORAMIC mode. If the adjustment in 50Hz each zoom mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.

AUDIO CIRCUIT ADJUSTMENT

• Do not touch 3. AUDIO (1. CONC UNIT, 2. A2 ID THR) of the SERVICE MENU as it requires no adjustment.

3. AUDIO / OSD

Setting item: 1. CONC LIMIT (Do not adjust)
Variable range: 00H-FFH
Fixed value: 0AH

Setting item: 2. A2 ID THR (Do not adjust)
Variable range: 00H-FFH
Fixed value: 19H

OSD horizontal position

Item
JVC LOGO H

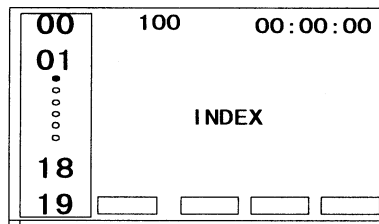
Adjustment Part
3. JVC LOGO H

Description
1. Select 3. AUDIO / OSD from SERVICE MENU.
2. Select 3. JVC LOGO H with the FUNCTION -/+ key.
3. Confirm that JVC LOGO H=00H
4. Press the MENU Key, and memorize the set values.

Item
TEXT MONO H

Adjustment Part
4. TEXT MONO H

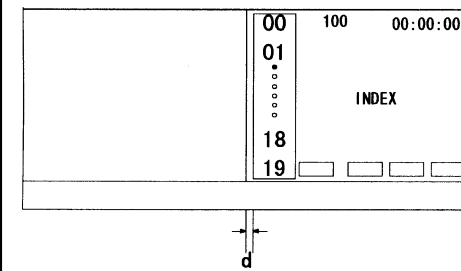
Description
1. Select 3. AUDIO / OSD from SERVICE MENU.
2. Select 4. TEXT MONO H with the FUNCTION -/+ key.
3. Push text key to get a picture of "TEXT-MONO H".
4. Push "SUBPAGE" key. It gets a picture as shown left.
5. Adjust the value of the distance "d" as shown left with the FUNCTION UP/DOWN key. Push "SUBPAGE" key to check adjustment every adjust.
6. Press the MENU Key, and memorize the set values.



Item
TEXT MIX H

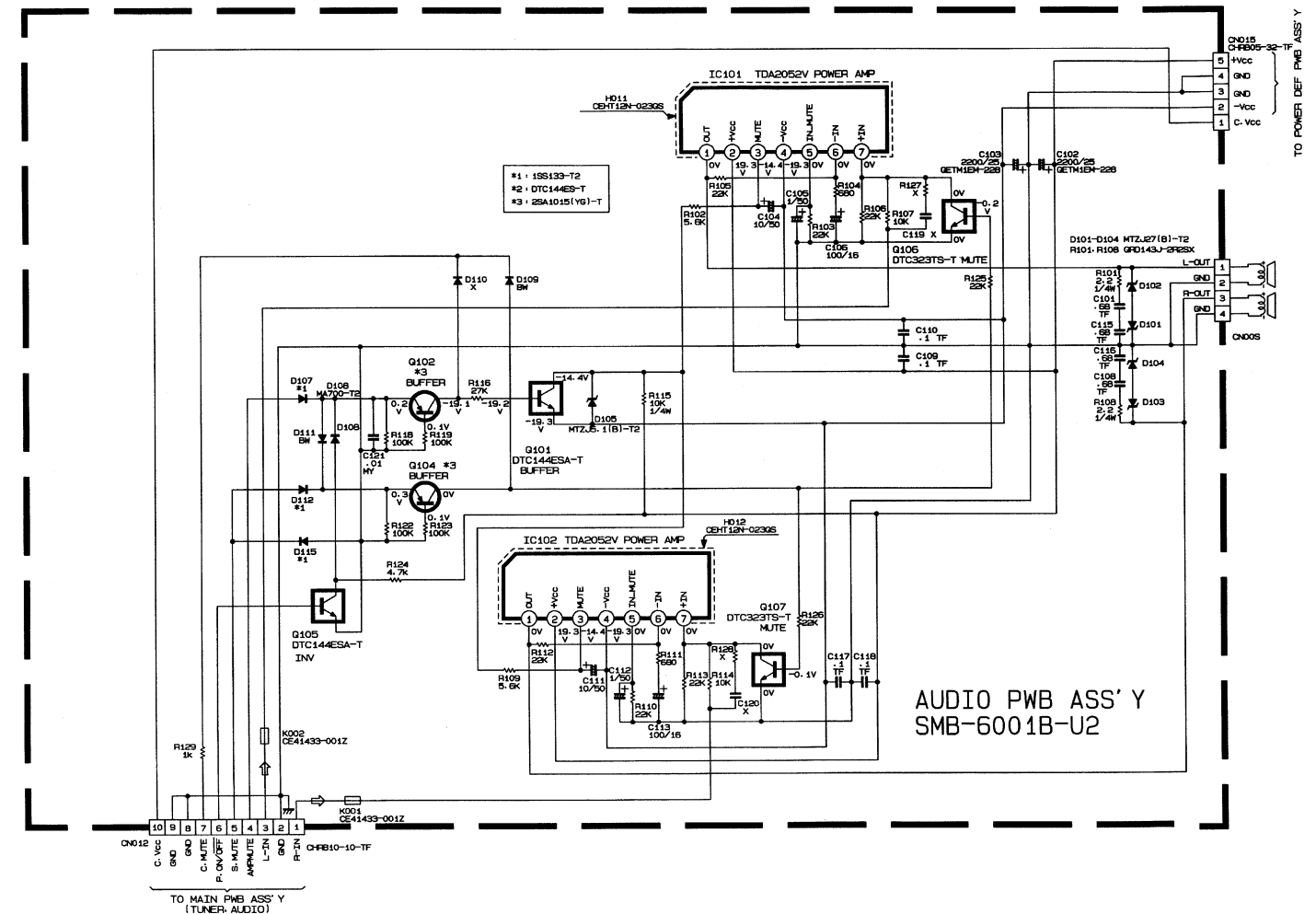
Adjustment Part
5. TEXT MIX H

Description
1. Select 3. AUDIO/OSD from SERVICE MENU.
2. Select 5. TEXT MIX H with the FUNCTION -/+ key.
3. Push text key to get a picture of 'TEXT & PICTURE'.
4. Push 'SUBPAGE' key. It gets a picture as shown left.
5. Adjust the value of the distance "d" as shown left with the FUNCTION UP/DOWN key. Push "SUBPAGE" key to check adjustment every adjust.
6. Press the MENU Key, and memorize the set values.

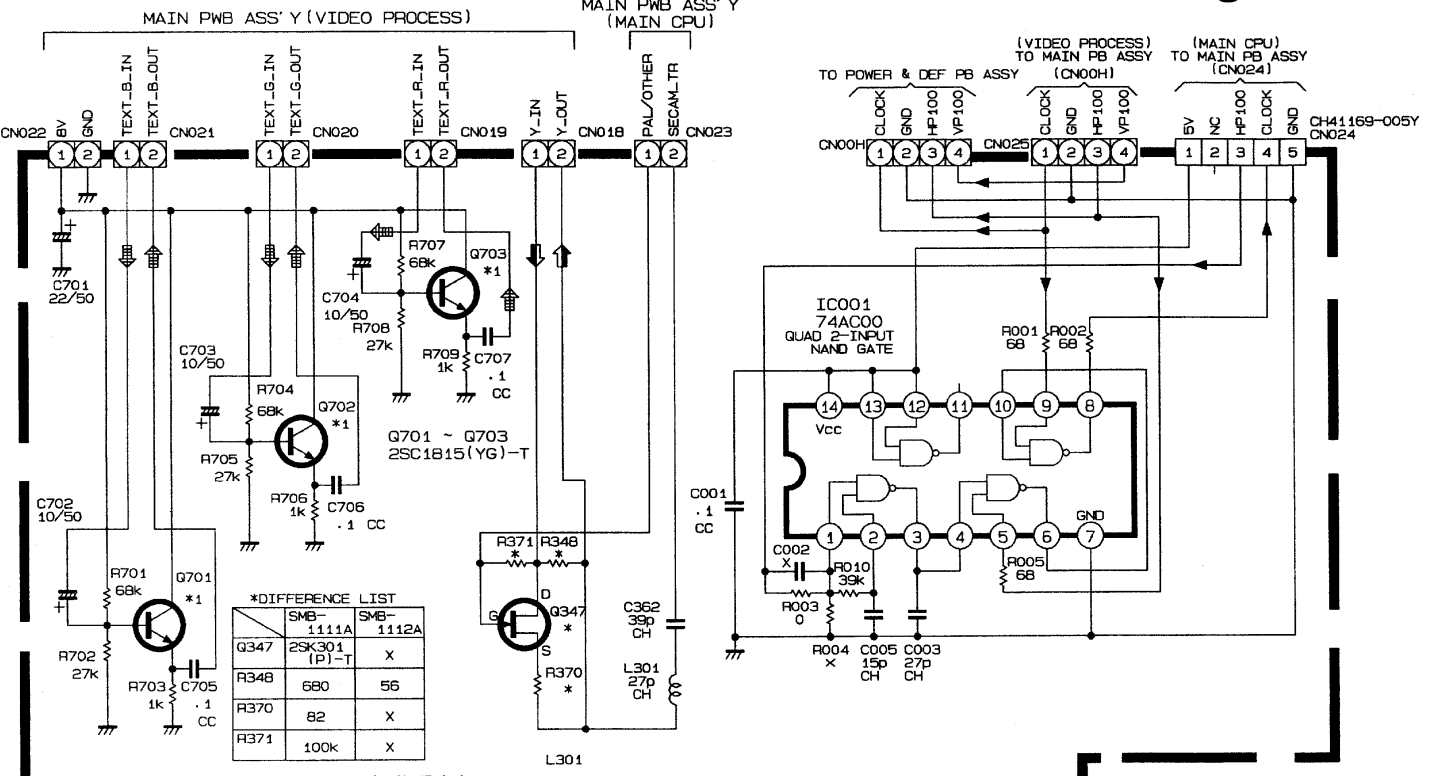


MODEL d
WP MODELS 9~14mm

Audio Amplifier Diagram

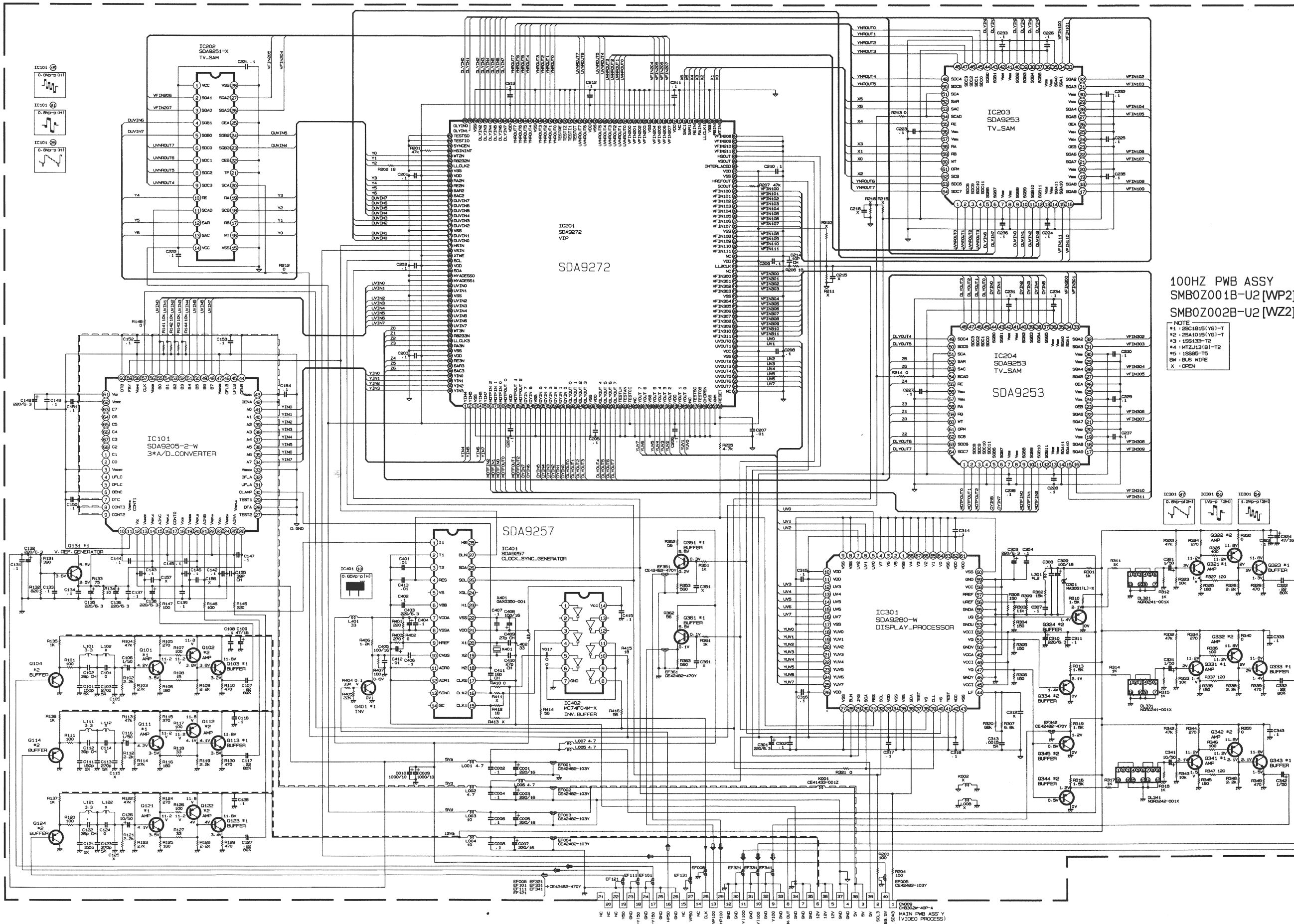


Sub Text Diagram



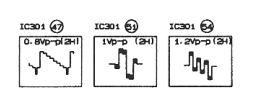
SUB TEXT PB ASSY
SMB1111B-U2..EP/EN SMB1112B-U2..EK

100Hz PCB Diagram



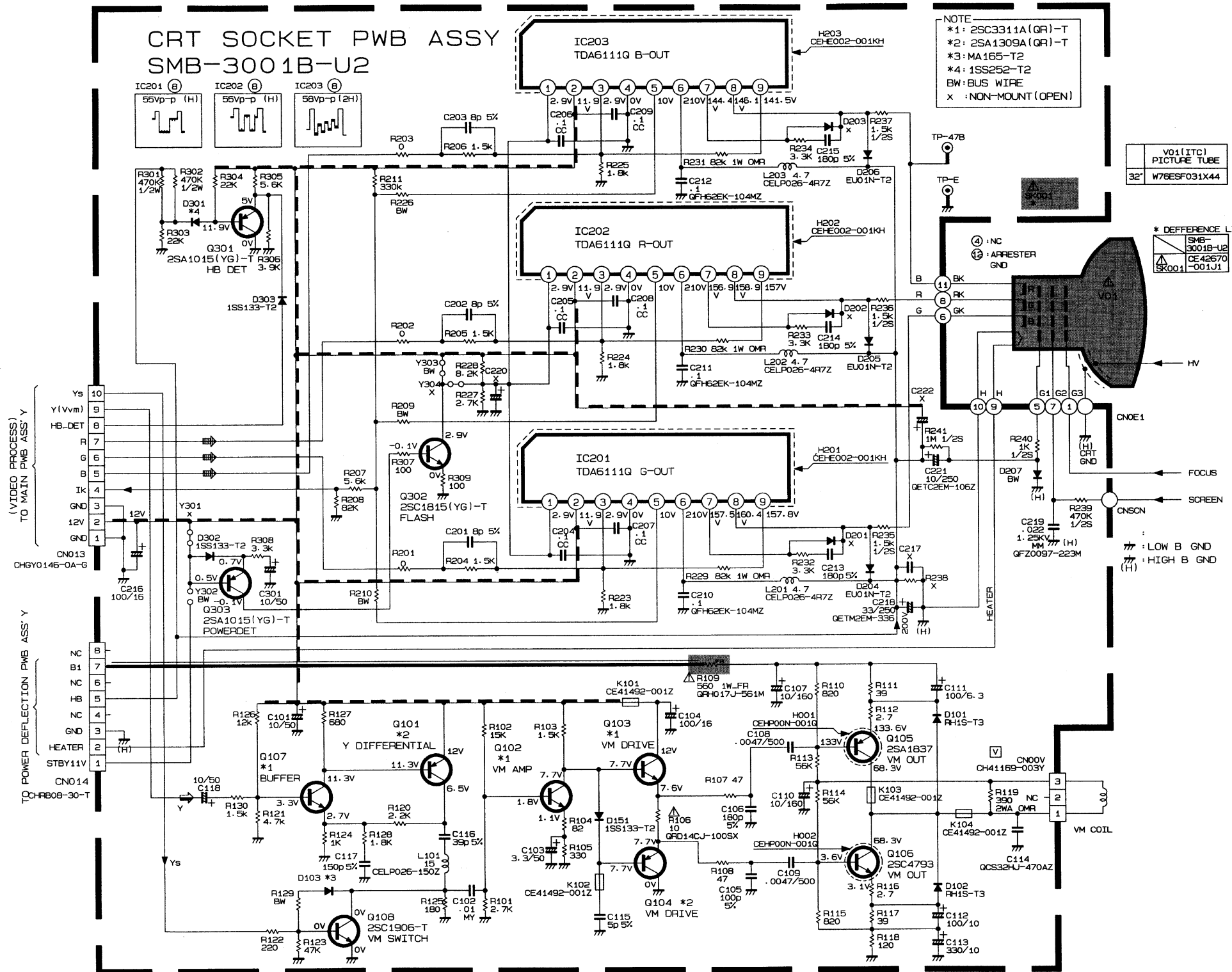
100HZ PWB ASSY
SMB0Z001B-U2 [WP2]
SMB0Z002B-U2 [WZ2]

- NOTE
- #1 : SSC1015(VG)-T
 - #2 : SSA1015(VG)-T
 - #3 : ISS133-T2
 - #4 : MTZ133(B)-T2
 - #5 : ISS85-T5
 - BW : BUS WIRE
 - X : OPEN

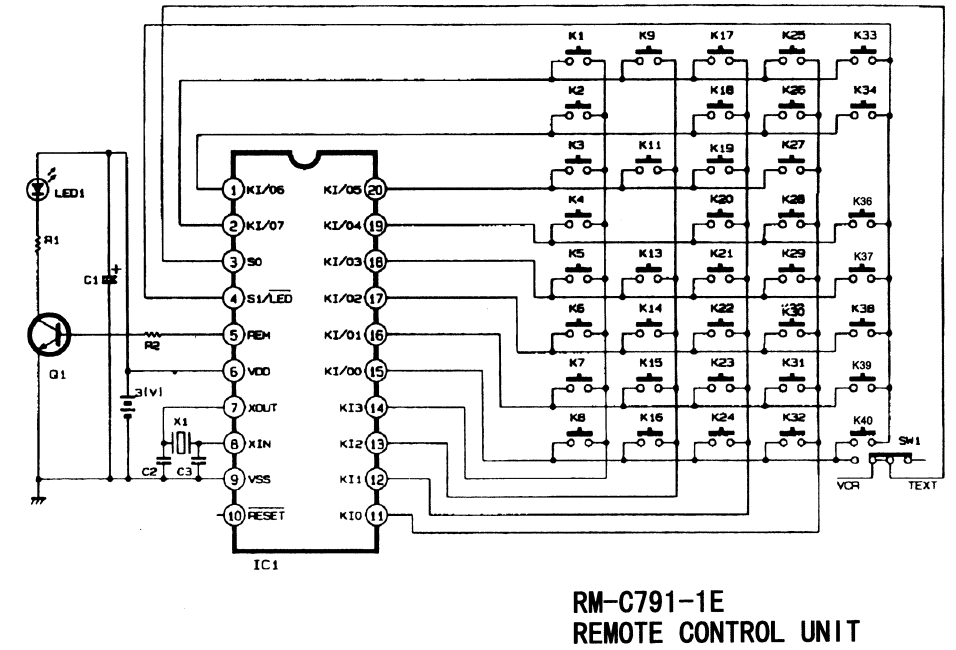


① : 0.8Vp-p (1H)
② : 0.8Vp-p (1H)
③ : 0.8Vp-p (1H)

CRT PCB Diagram

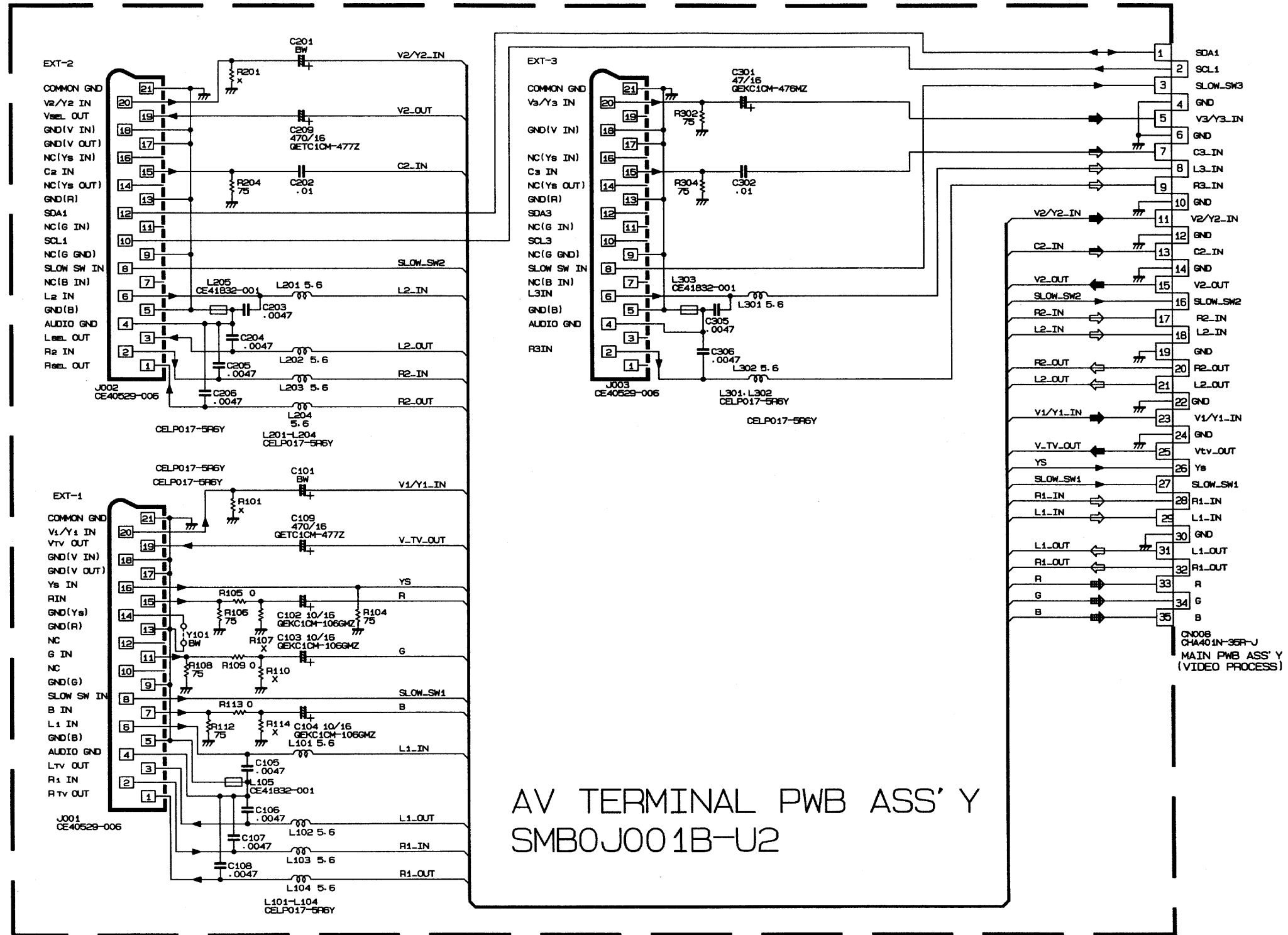


Remote Control Diagram

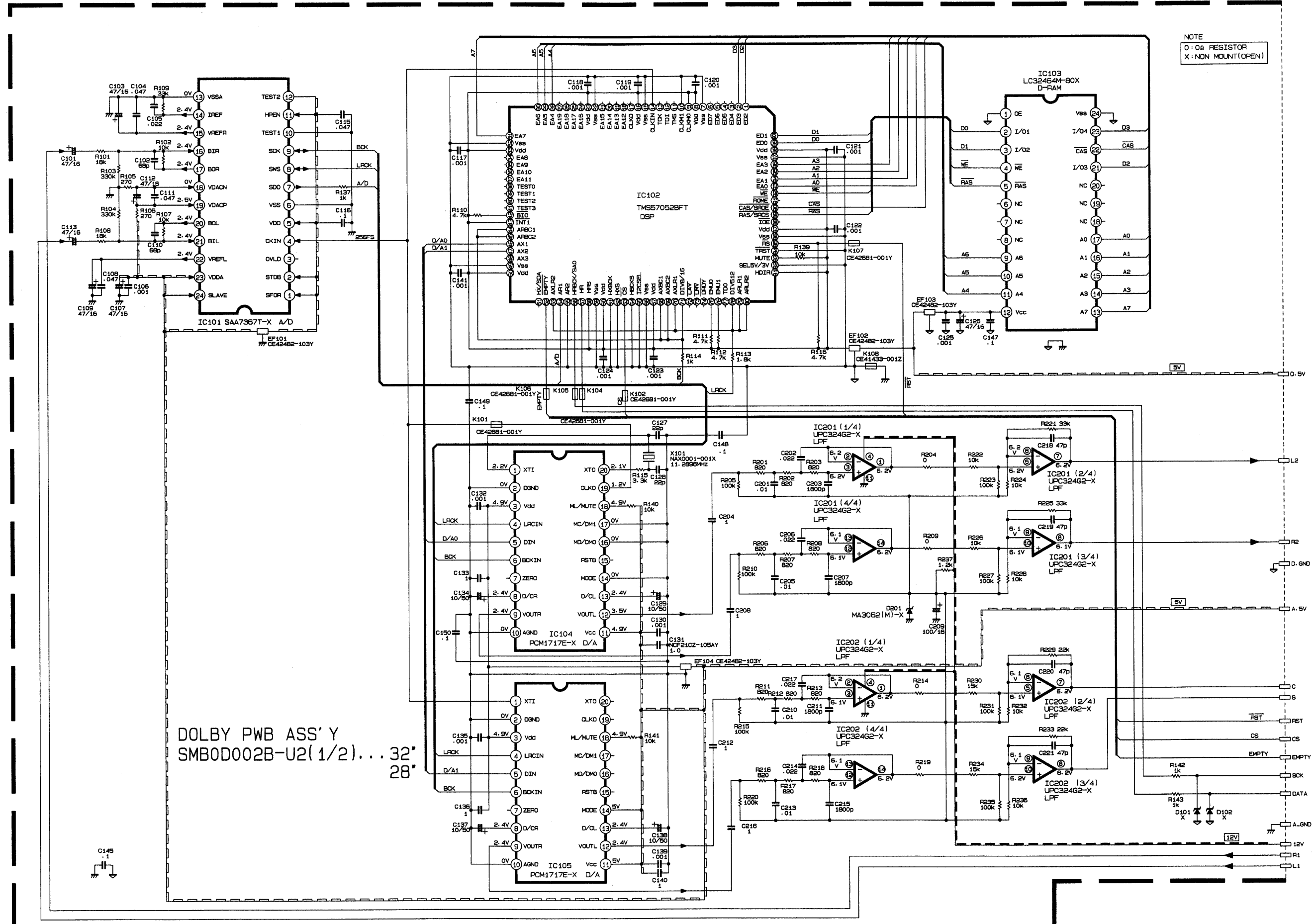


No.	Key Name	No.	Key Name	No.	Key Name	No.	Key Name
1	1	14	3D	22	MODE (TEXT)	29	CANCEL (TEXT)
2	2	15	P.BASS	23	REW (VCR)	30	STOP (VCR)
3	3	16	PIP	24	SIZE (TEXT)	31	INDEX (TEXT)
4	4	17	FF	25	FF (VCR)	32	◀ (VCR)
5	5	18	REVEAL (TEXT)	26	SUB PAGE(TEXT)	33	▶ (VCR)
6	6	19	PLAY (VCR)	27	P V (VCR)	34	▲
7	7	20	TV	28	STORE (TEXT)	35	▼
8	8	21	MENU/OK	29	HOLD (TEXT)	36	▶
9	9	22	P A (VCR)	30	◀ (VCR)	37	FREEZE
10	0	23	◀/▶	31	◀/▶	38	MULTI
11	0	24	()	32	()	39	SWAP
12	ZOOM	25		33		40	SUB-P A

AV Terminal PCB Diagram



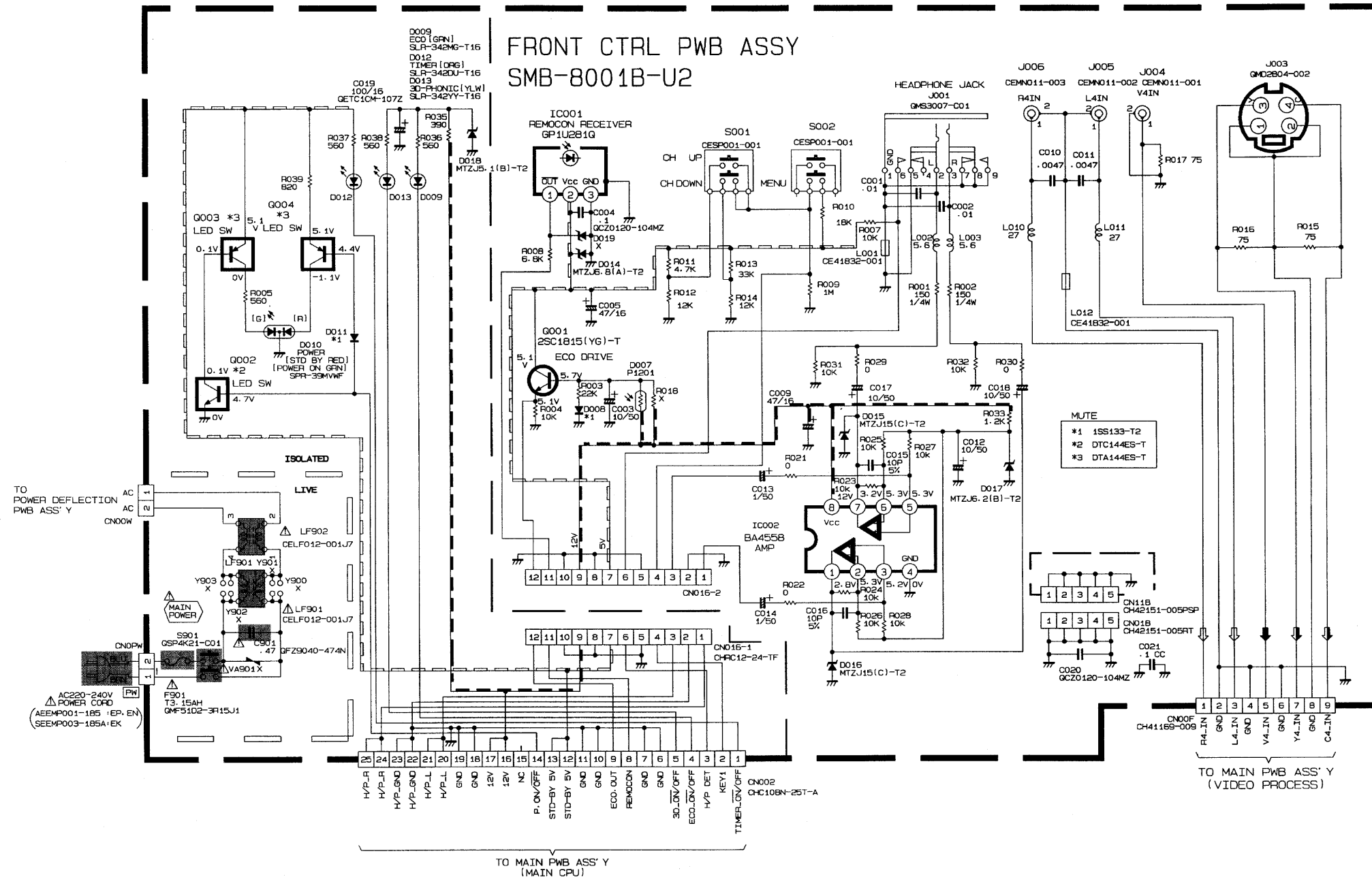
Dolby PCB Diagram



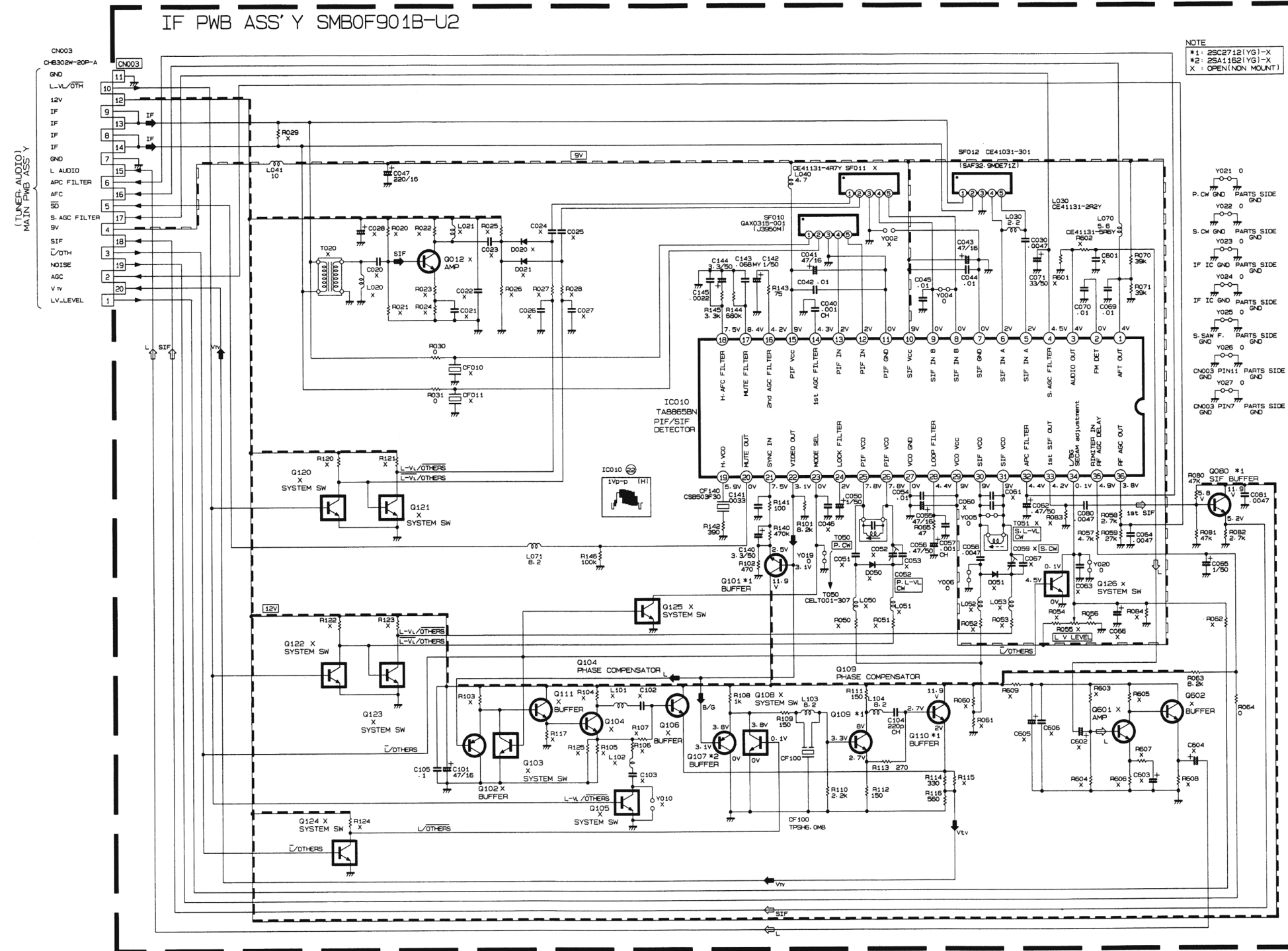
DOLBY PWB ASS'Y
SMB0D002B-U2(1/2)... 32"
28"

NOTE
0: 0Ω RESISTOR
X: NON MOUNT (OPEN)

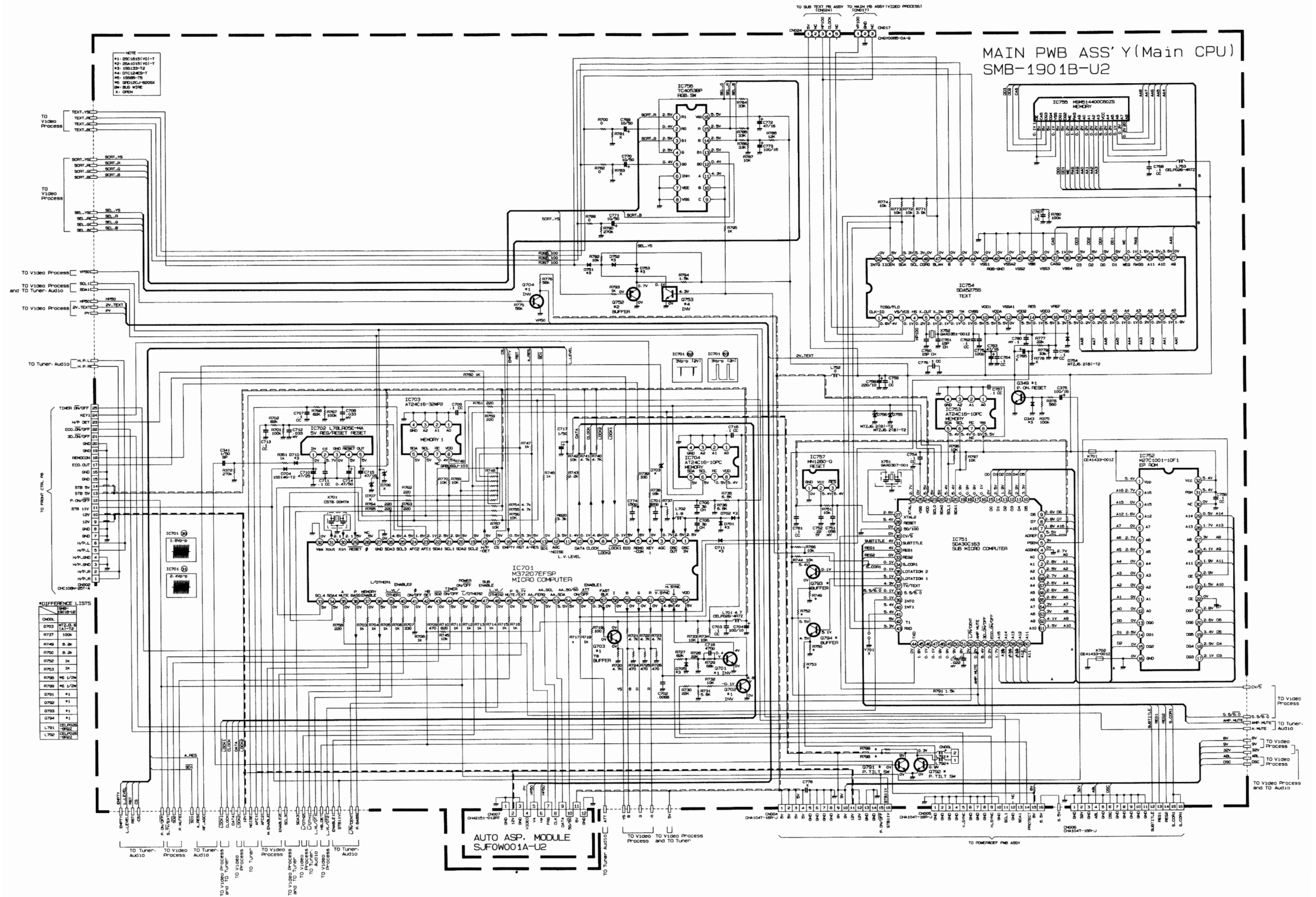
Front Control Diagram



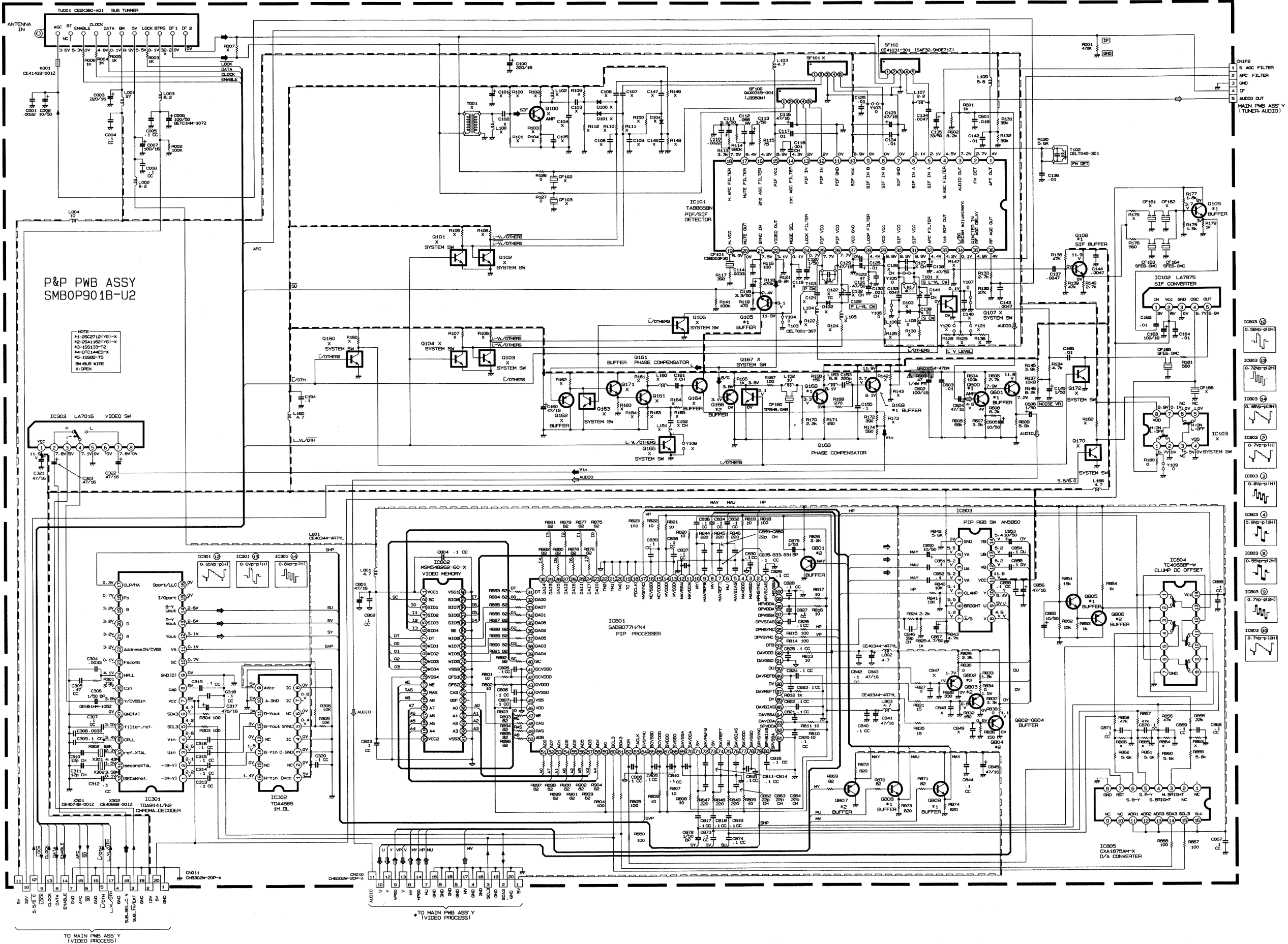
IF Module Diagram



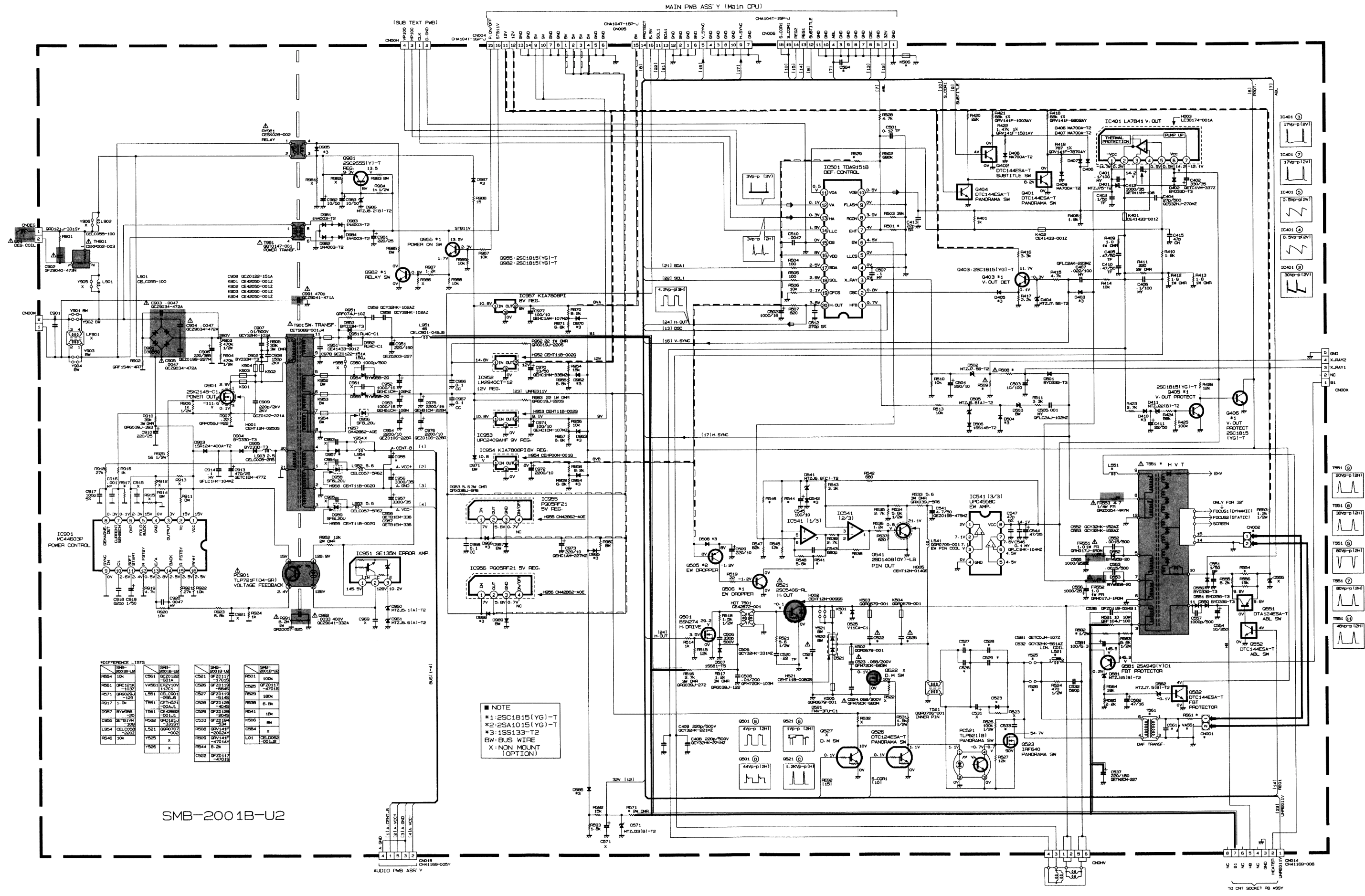
Main CPU Diagram



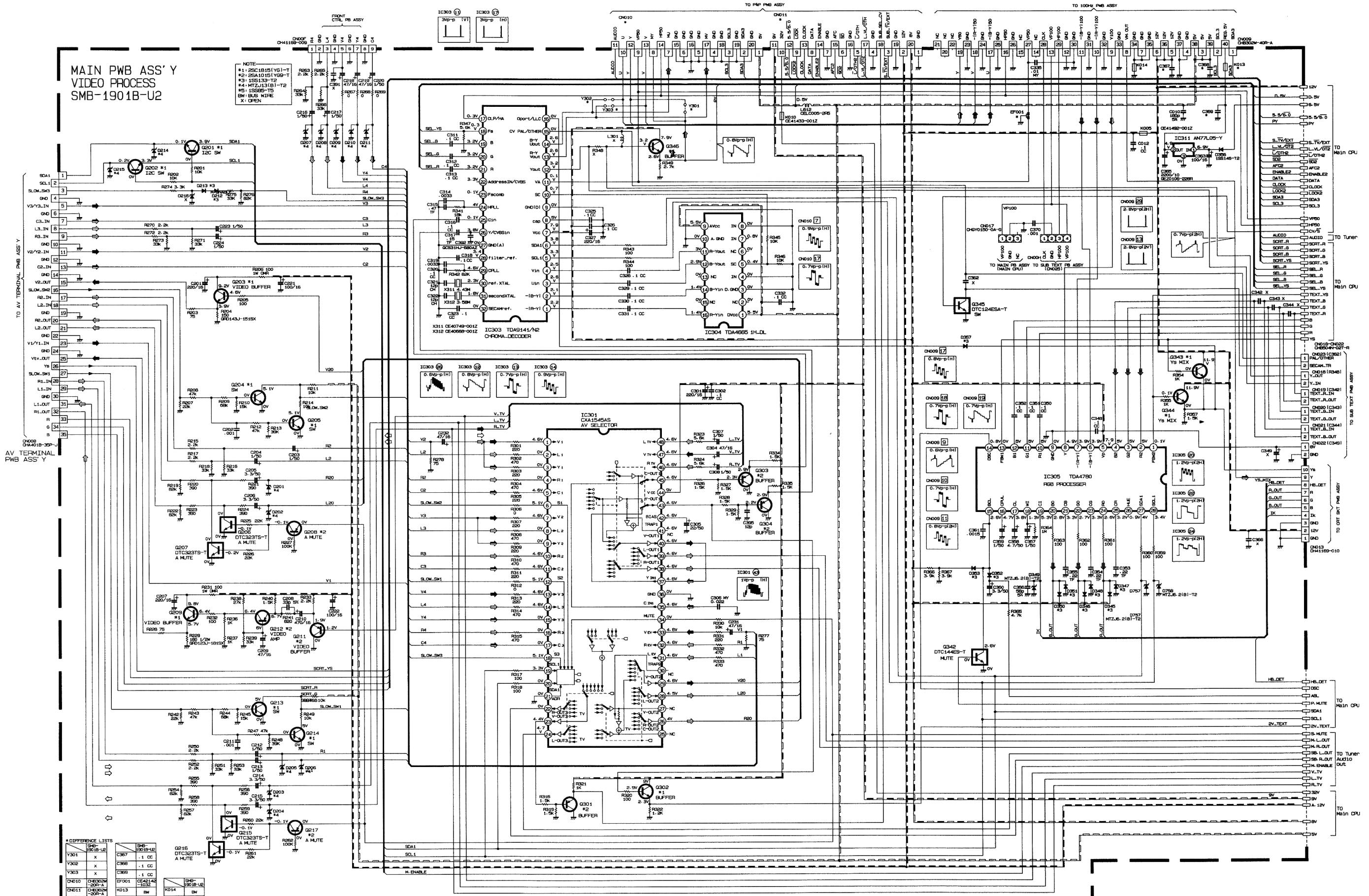
PIP PCB Diagram



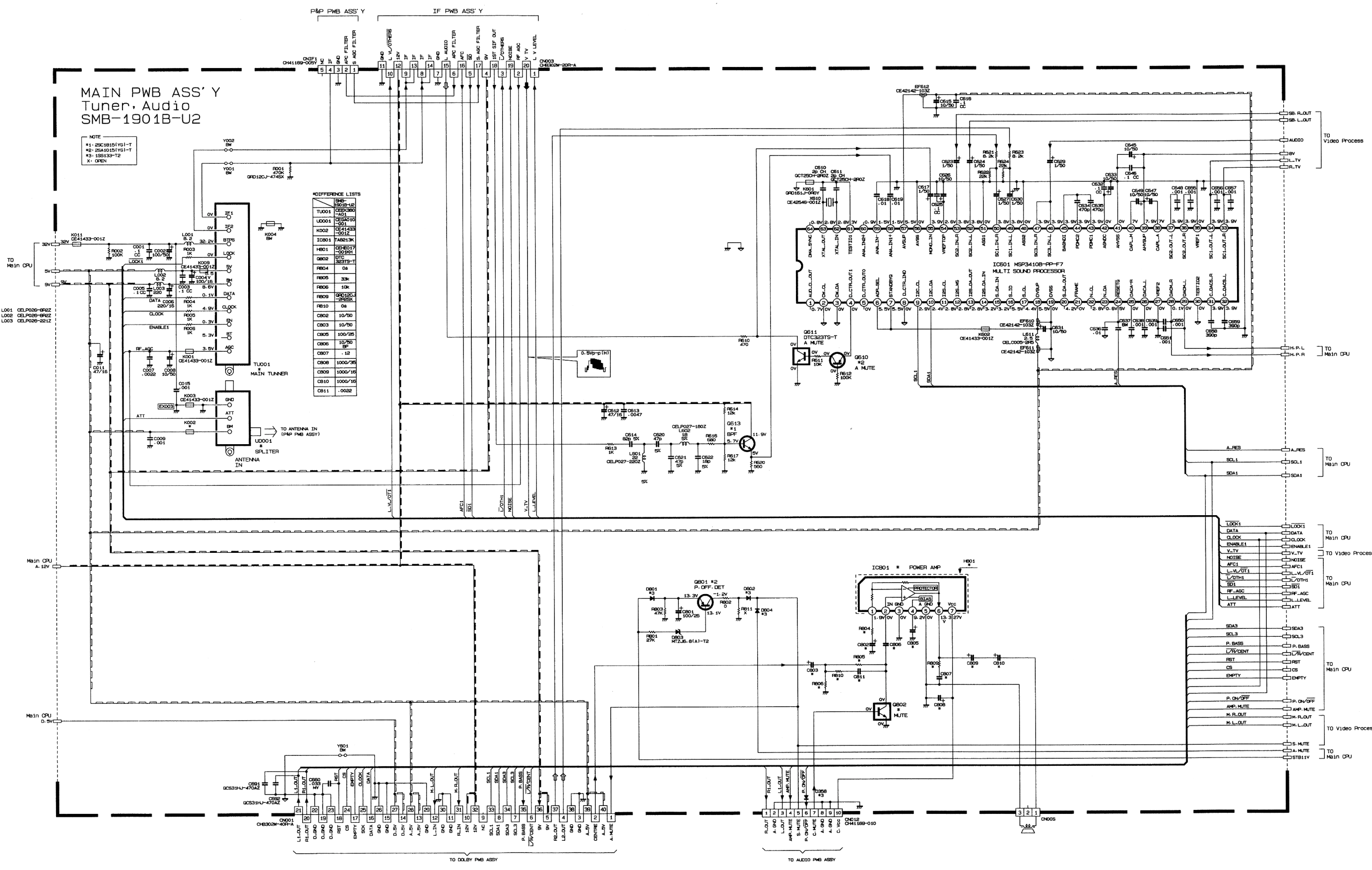
Power Deflection Diagram

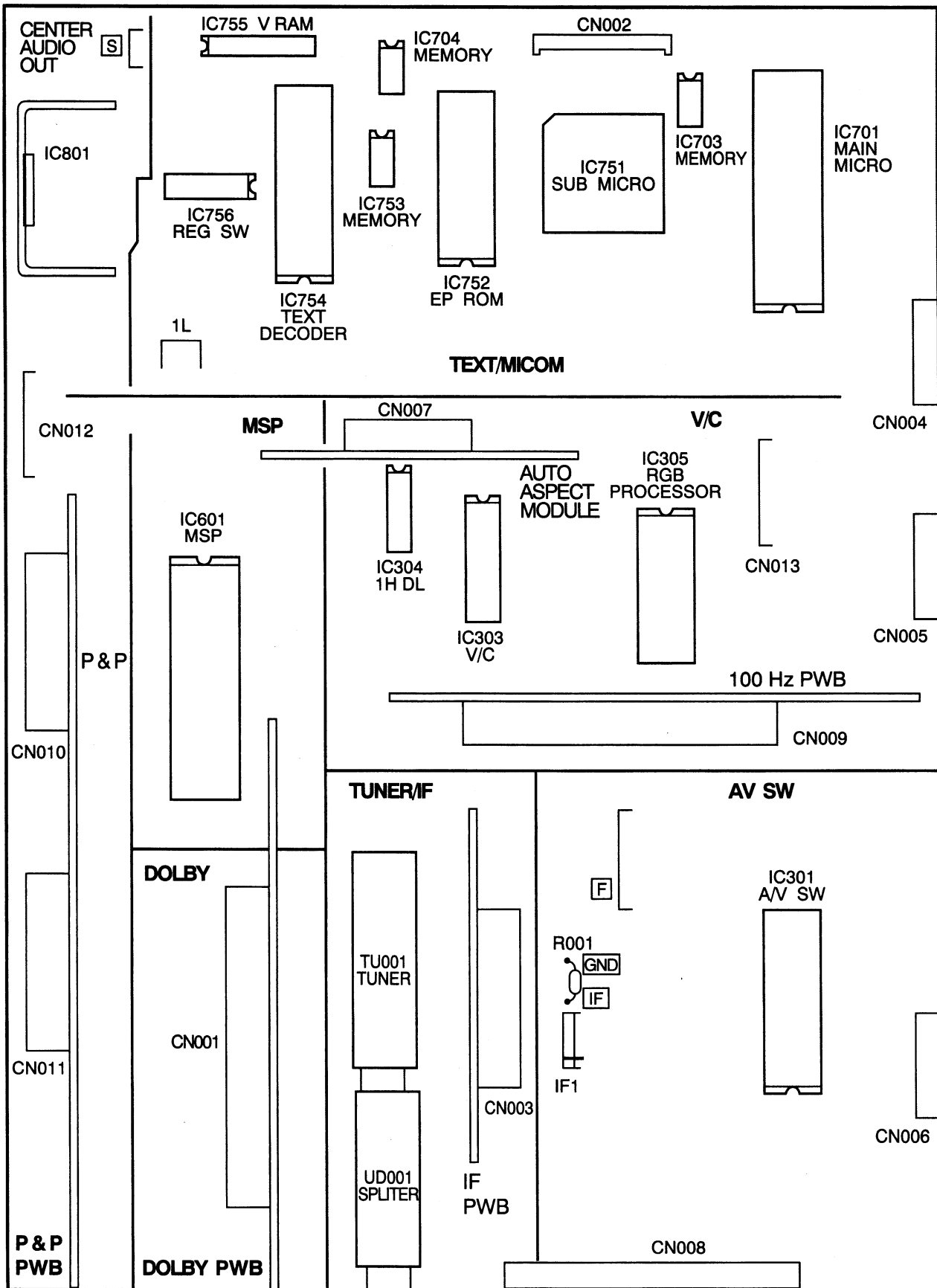


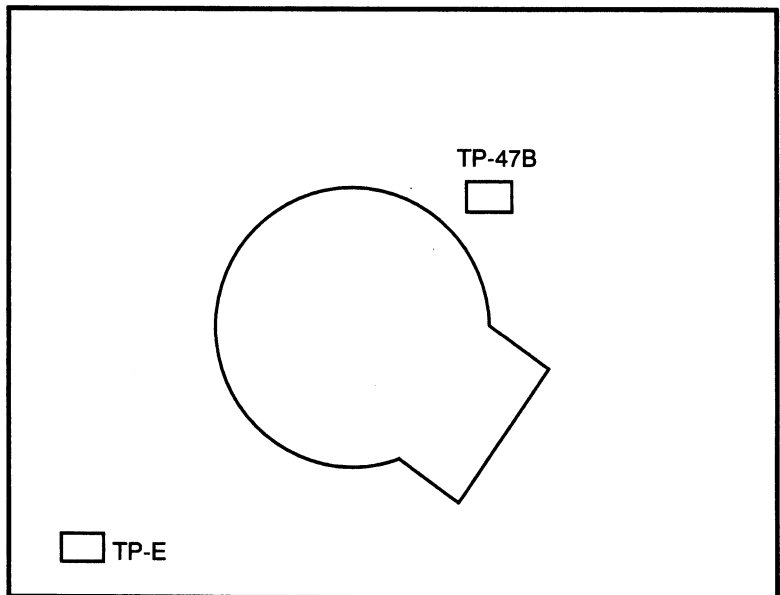
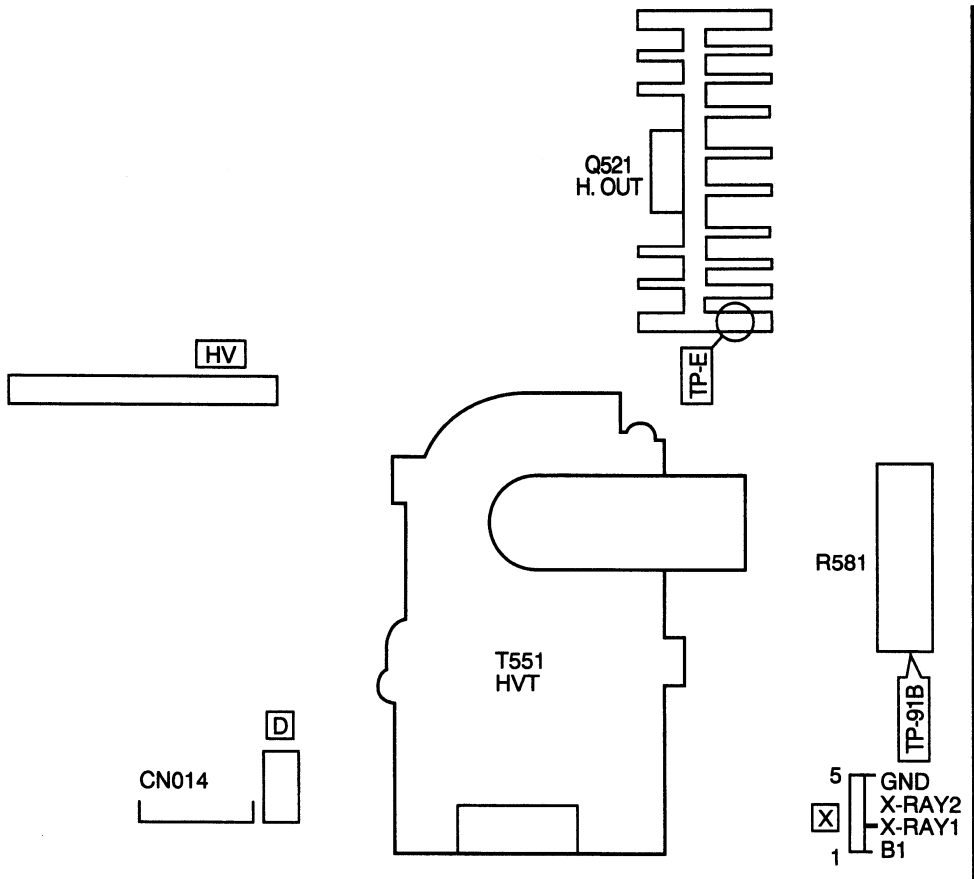
Video Processing Diagram



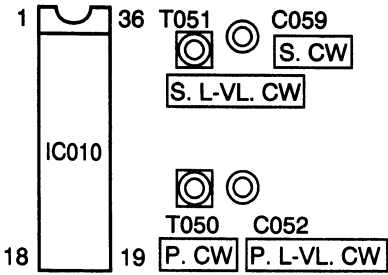
Tuner Audio Diagram







IF PWB



P & P PWB

