

Self Diagnosis
Supported model

SERVICE MANUAL

AT2X CHASSIS

<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST</i>	<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST</i>
<i>KLV-V40A10E</i>	<i>RM-EA001</i>	<i>AEP</i>	<i>KDL-V40A12U</i>	<i>RM-ED001</i>	<i>UK</i>



RM-EA001



KLV-V40A10E / KDL-V40A12U



RM-ED001

FLAT PANEL COLOR TV
SONY®

TABLE OF CONTENTS

Section	Title	Page	Section	Title	Page
	Caution	3	4. DIAGRAMS		
	Specifications	4	4-1. Block Diagrams (1)		32
	Connectors	6		Block Diagrams (2)	33
	Self Diagnosis	7		Block Diagrams (3)	34
1. GENERAL		8		Block Diagrams (4)	35
				Block Diagrams (5)	36
2. DISASSEMBLY			4-2. Circuit Board Location		36
2-1. Rear Cover Removal		16	4-3. Schematic Diagrams and Printed Wiring		
2-2. Stand Removal		16	Boards		36
2-3. Bracket Removal		17	A2 Board Schematic Diagram		37
2-4. Loudspeaker Removal		17	A2 Board Printed Wiring Board		44
2-5. Fan Removal		18	G3L Board Schematic Diagram		47
2-6. A2 Board Removal		18	G3L Board Printed Wiring Board		49
2-7. BL, N and NP1 Board Removal		19	N Board Schematic Diagram(Digital only)		51
2-8. G3L Board Removal		19	N Board Printed Wiring Board		59
2-9. H7 Board Removal		20	H6 Board Schematic Diagram		60
2-10. H8 Board Removal		20	H6 Board Printed Wiring Board		61
2-11. H6 Board Removal		21	H7 Board Schematic Diagram		60
2-12. Service Position		22	H7 Board Printed Wiring Board		61
			H8 Board Schematic Diagram		60
3. SET-UP ADJUSTMENTS			H8 Board Printed Wiring Board		61
3-1. How to enter Service Mode		24	NP1 Board Schematic Diagram		62
3-2. Signal Level Adjustment		24	NP1 Board Printed Wiring Board		63
3-2-1. Check AD (CCPX case)			4-4. Semiconductors		64
Calibration Registration Items		24			
3-2-2. Y Signal AD Calibration			5. EXPLODED VIEWS		
of CCPX Decode		24	5-1. Chassis		67
3-2-3. C Signal AD Calibration			5-2. Display		68
of CCPX Decode		24			
3-2-4. Check AD (Component case)			6. ELECTRICAL PARTS LIST		69
Calibration Registration Items		25			
3-2-5. Y Signal AD Calibration					
of Component Input		25			
3-2-6. C Signal AD Calibration					
of Component Input		25			
3-3. White Balance Adjustment		25			
3-3-1. White Balance of Colour					
Temperature "Cool"		25			
3-3-2. White Balance of Colour					
Temperature "Neutral"		26			
3-3-3. White Balance of Colour					
Temperature "Warm"		26			
3-4. Panel Replacement		27			
3-5. Board Replacement		27			
3-5-1. P Board Replacement		27			
3-5-2. BL Board Replacement		27			
3-5-3. A2 Board Replacement		27			

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

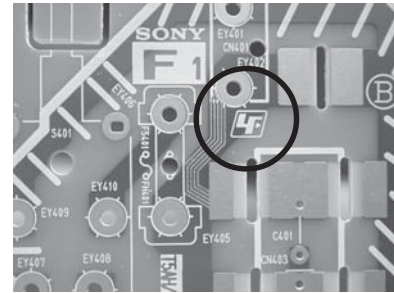
CAUTION

Lead Free Soldered Boards

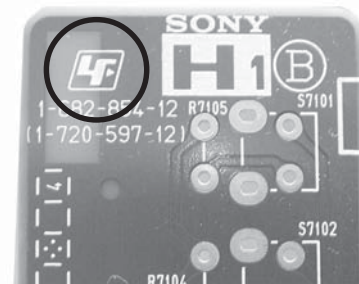
The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.


For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
E	B/G, D/K, I, M	GERMAN/NICAM Stereo	VHF : E02-E12 UHF : E21-E69 CATV : S01-S03, S01-S41 HYPER : S21-S41 D/K : R1-R12, R21-R69 M : A2-A13, A14-A79 I : UHF B21-B68	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY)
U	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY) MPEG-2 MP@ML

Projected Picture Size	LCD(Liquid Crystal Display) Panel Approx 101.5cm (40 inches)	Sound Output	
		Right and Left speaker	2 x 13W (RMS)(KLV-V40A10E) 2 x 10W (RMS)(KDL-V40A12U)
Input/Output Terminals [REAR]		General Specifications	
AV1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption/ Standby	Approx 222W/0.5W(KLV-V40A10E) Approx 228W/0.5W(KDL-V40A12U)
AV2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of Video and Audio signals (selectable). SmartLink interface.	Dimensions	Approx 1014x722x370mm (with stand) Approx 1014x683x121mm (without stand)
		Weight	Approx 33.4kg (with stand) (KLV-V40A10E) Approx 27.2kg (without stand) (KLV-V40A10E) Approx 34.0kg (with stand) (KDL-V40A12U) Approx 27.5kg (without stand) (KDL-V40A12U)
AV3: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of Video and Audio signals.	Supplied Accessories	RM-EA001 Remote Commander (1) (KLV-V40A10E) RM-ED001 Remote Commander (1) (KDL-V40A12U) IEC designated R06 battery (2) Support belt (1) and Screw (1) Coaxial Cable (1) Mains Lead (1)
AV4: Phono Jacks	Y:1 Vp-p, 75 ohms, 0.3V negative sync P _B /C _B :0.7 Vp-p,75 ohms P _R /C _R :0.7 Vp-p,75 ohms Audio Input Jacks: 500mV rms, 47Kohms		
AV5: HDMI IN	Video: 1080i, 720p, 576p,576i,480p,480i Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits, or analogue audio input (phono jacks).	Other Features	WEGA Engine, LCD WXGA Panel, 3D Comb Filter, SmartLink, Teletext, Picture freeze, BBE Digital, EPG Level 2, Dolby Virtual Pro Logic 2, AVL, Sleep Timer, Noise Reduction.
CAM	PCMCIA card slot (KDL-V40A12U)		
MODEM	Modem port (KDL-V40A12U)		
Input/Output Terminals [SIDE]		Remote control system : Infrared control	
Headphones	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R06 (size AA)
AV6: Audio input	phono jacks		
AV6: Video input AV6: S Video input	phono jack 4 pin mini DIN		
Design and specifications are subject to change without notice.			

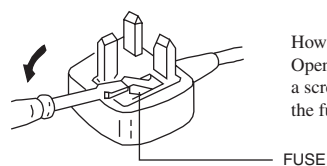
Model Name Item	KLV-V40A10E	KDL-V40A12U
PAP	OFF	OFF
PAT	OFF	OFF
RGB Priority	ON	ON
Sub Woofer	OFF	OFF
Scart 1	ON	ON
Scart 2	ON	ON
Scart 3	ON	ON
Front in (6)	ON	ON
Projector	OFF	OFF
Norm B/G	ON	OFF
Norm I	ON	ON
Norm D/K	ON	OFF
Norm AUS	OFF	OFF
Norm L	OFF	OFF
Norm SAT	OFF	OFF
Norm M	ON	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **13 AMP** rating. Should the fuse need to be replaced, use a **13AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the  mark.

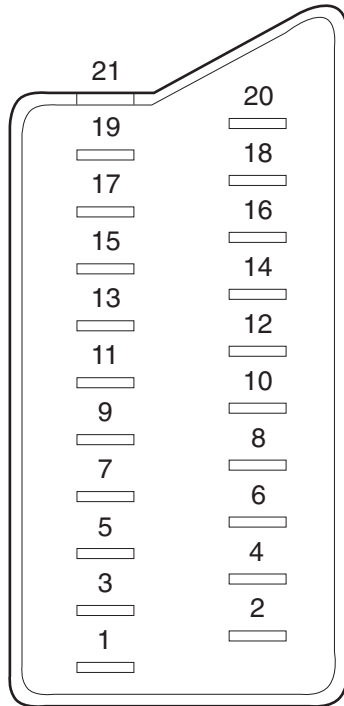
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **13 AMP FUSE**, otherwise the circuit should be protected by a **13AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

21 pin connector



Pin No	1	2	3	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	○	○	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	●	○	●	SmartLink	
11	○	○	○	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	●	●	●	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	○	○	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	-	-	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	○	○	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedance : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	○	○	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	-	-	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Side Connection Panel



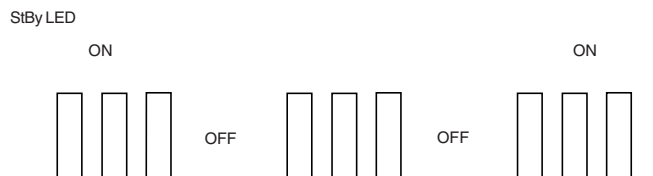
S-Video socket

S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V +/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V +/- 3dB 75ohm, positive Sync.

AT2X SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AT2X chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted).

Flash Timing Example : e.g. error number 3

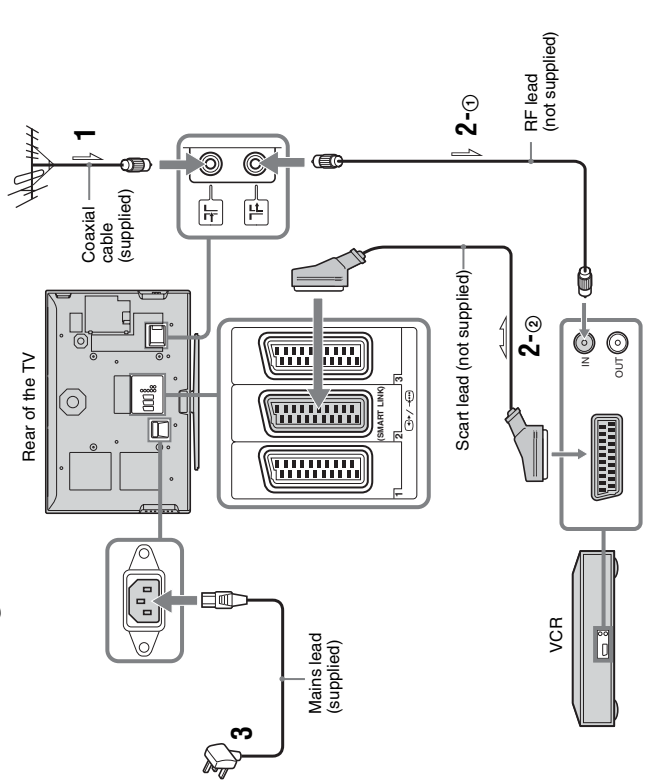


LED Error Code

LED ERROR CODE	ERROR DESCRIPTION
01	Sub Woofer Detection
02	Temperature Error
03	Main Power Voltage Error
04	Fan Error
05	PixelWorks Communication Error
06	Voltage Error (3.3V and/or 5V)
07	Audio Amp Protection
08	Panel 5V Error
09	Backlight Error/Panel Alarm
10	Power Supply Protection
11	Over Voltage Protection
12	IIC B Clock Error
13	IIC D(Painter) Clock Error
14	IIC A(NVM) Clock Error
15	IIC 0 400k Clock Error

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

3: Connecting an aerial/VCR



1 Connect your aerial to the $\overline{\text{A}}$ socket on the rear of the TV.

If connecting to an aerial only
Go to step 3.

2 Connect your VCR.

1 Connect the $\overline{\text{RF}}$ socket on the rear of the TV to the input socket on your VCR with the RF lead.

2 Connect the scart socket on your VCR to the $\overline{\text{SCART}}$ scart socket on the rear of the TV with a scart lead.

3 Connect the supplied mains lead to the AC IN socket on the rear of the TV.

Note

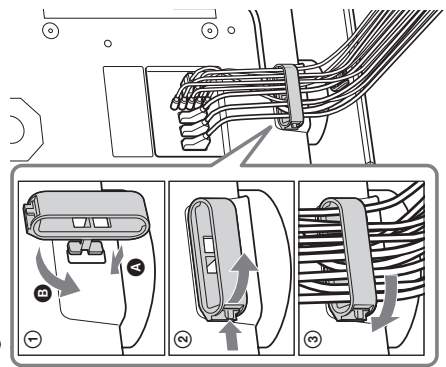
Do not connect the mains lead to your mains socket until all connections are complete.

4 Bundle the cable.

1 Attach the cable holder to the rear of the TV (**1**), then turn the cable holder a quarter turn to the left (**2**).

2 Push the clasp lever in to release the lock and open the cover, and then insert the cables.

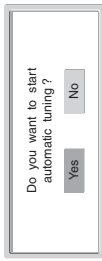
3 Close the cover until it clicks shut and locks.



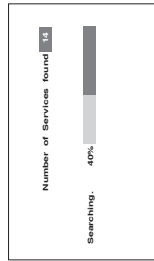
6: Auto-tuning the TV

When you switch on the TV for the first time, a message confirming the TV start auto-tuning appears on the screen. You must tune the TV to receive channels (TV broadcasts). Do the following to search and store all available channels.

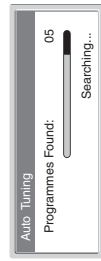
1 Press OK to select "Yes".



Digital auto-tune display



Analogue auto-tune display



The TV starts searching for all available digital channels, followed by all available analogue channels. This may take some time, please be patient and do not press any buttons on the TV or remote. Once all available digital and analogue channels have been stored, the TV returns to normal operation, displaying the digital channel stored on channel number 1. If no digital channels are found, the analogue channel stored on channel 1 is displayed.

When a message appears for you to confirm the aerial connections

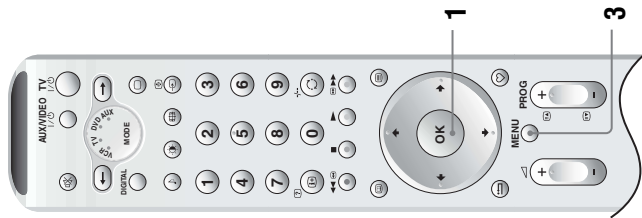
No digital or analogue channels are found. Check all the aerial connections and press OK to start auto-tuning again.

2 When the Programme Sorting menu appears on the screen, follow steps 2 to 3 of "Programme Sorting (Analogue mode only)" (page 29).

If you do not change the order in which the analogue channels are stored on the TV, go to step 3.

3 Press MENU to exit.

The TV has now tuned in all the available channels.



Checking the Digital Electronic Programme Guide (EPG) DV3

Channel	Programme	Start Time	End Time	Genre
1	NEWS	19:00	19:30	News
2	NEWS	19:00	19:30	News
3	NEWS	19:00	19:30	News
4	NEWS	19:00	19:30	News
5	NEWS	19:00	19:30	News
6	NEWS	19:00	19:30	News
7	NEWS	19:00	19:30	News
8	NEWS	19:00	19:30	News
9	NEWS	19:00	19:30	News
10	NEWS	19:00	19:30	News
11	NEWS	19:00	19:30	News
12	NEWS	19:00	19:30	News
13	NEWS	19:00	19:30	News
14	NEWS	19:00	19:30	News
15	NEWS	19:00	19:30	News
16	NEWS	19:00	19:30	News
17	NEWS	19:00	19:30	News
18	NEWS	19:00	19:30	News
19	NEWS	19:00	19:30	News
20	NEWS	19:00	19:30	News

- 1 In digital mode, press **[OK]** to display the Digital Electronic Programme Guide (EPG).
- 2 Perform the desired operation, as shown in the following table.

To	Do this
Turn off the EPG	Press [OK] .
Move through the EPG	Press ↑/↓/←/→ .
Display the previous or next six channels	Press the red (previous) or green (next) button.
Watch a current programme	Press OK while the current programme is selected.

Sort the programme information by category – Category list

- 1 Press the blue button.
- 2 Press **↑/↓/←/→** to select a category. The category name is displayed on the side.
The categories available include:
Favourite
Contains all the channels that have been stored in the Favourite list (page 18).
All categories
Contains all available channels.
News
Contains all news channels.
- 3 Press OK.
The Digital Electronic Programme Guide (EPG) now only displays the current programmes from the category selected.

Set a programme to be recorded – Timer REC

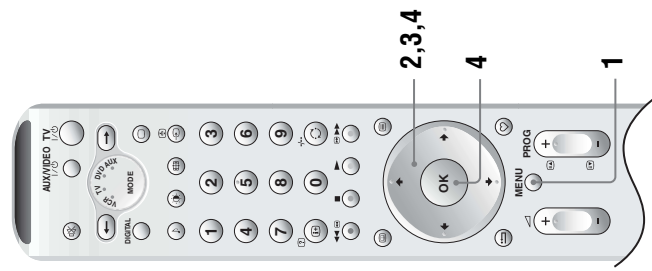
- 1 Press **↑/↓/←/→** to select the future programme you want to record.
- 2 Press OK.
- 3 Press **↑/↓** to select "Timer REC".
- 4 Press OK to set the TV and your VCR timers.
A **[TV]** symbol appears by that programme's information. The **[TV]** indicator on the TV (front) lights up.

Notes

- You can set VCR timer recording on the TV only for Smartlink compatible VCRs. If your VCR is not Smartlink compatible, a message will be displayed to remind you to set your VCR timer.
- Once a recording has begun, you can switch the TV to standby mode, but do not switch off the TV completely or the recording may be cancelled.

Using the Menu

Navigating through menus



- 1 Press MENU to display the menu.
- 2 Press **↑/↓** to select a menu icon.
- 3 Press **←/→** to select an option.
- 4 Press **↑/↓/←/→** to change/set the setting, then press OK.
To exit the menu, press MENU.
To return to the last display, press **←**.

Viewing pictures from connected equipment

Switch on the connected equipment, then perform one of the following operation.

For equipment connected to the scart sockets using a fully-wired 21-pin scart lead
Start playback on the connected equipment. The picture from the connected equipment appears on the screen.

For an auto-tuned VCR (page 11)
In analogue mode, press PROG +/-, or the number buttons, to select the video channel.

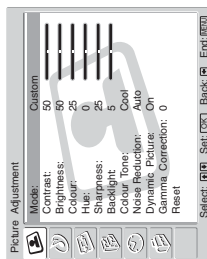
For other connected equipment
Press **→/←** repeatedly until the correct input symbol (see below) appears on the screen.

- /←** 1, **→/←** 2, **→/←** 3, **→/←** 4:
Audio/Video or RGB input signal through the scart socket **→/←** 1, 2 or 3. **→/←** appears only if an RGB source has been connected.
- /←** 4:
Component input signal through the Y, Pb/Cb, Pr/Cr sockets **→/←** 4, and audio input signal through the L/G/S/I, R/D/D/D sockets **→/←** 4.
- /←** 5:
Digital audio/video signal is input through the HDMI IN 5 socket. Audio input signal is analogue only if the equipment has been connected using the DVI and audio out socket.
- /←** 6/S **→/←** 6:
Video input signal through the video socket **→/←** 6, and audio input through the audio socket L/G/S/I (MONO), R/D/D/D sockets **→/←** 6. S **→/←** 6 appears only if the equipment is connected to the S video socket S **→/←** 6 instead of the video socket **→/←** 6, and S video input signal is input through the S video socket S **→/←** 6.

Additional operations

To	Do this
Return to the normal Press DIGITAL or TV operation	Press OK to access the Input signal index table. (Then, only in analogue mode, press → .) To select an input source, press ↑/↓ , then press OK.

Picture Adjustment menu



You can select the options listed below on the Picture Adjustment menu. To select options, see “Navigating through menus” (page 19).

Tip

When you set “Mode” to “Vivid” or “Standard”, you can adjust only “Mode”, “Contrast”, “Colour Tone”, “Noise Reduction”, and “Reset”.

Mode

Selects the picture mode.

- 1 Press **OK** to select “Mode”.
- 2 Press **↑/↓** to select one of the following picture modes, then press **OK**.
 Vivid: For enhanced picture contrast and sharpness.
 Standard: For standard picture. Recommended for home entertainment.
 Custom: Allows you to store your preferred settings.

Tip

You can also change the picture mode by pressing **⇄** repeatedly.

Contrast/Brightness/Colour/Hue/Sharpness/Backlight

- 1 Press **OK** to select the option.
- 2 Press **←/→** to set the level, then press **OK**.

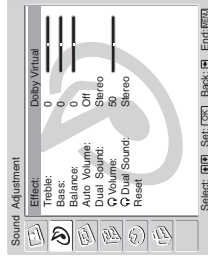
Tip

“Hue” can only be adjusted for an NTSC colour signal (e.g., U.S.A. video tapes).

Colour Tone

- 1 Press **OK** to select “Colour Tone”.
- 2 Press **↑/↓** to select one of the following, then press **OK**.
 Cool: Gives the white colours a blue tint.
 Neutral: Gives the white colours a neutral tint.
 Warm: Gives the white colours a red tint.

Sound Adjustment menu



You can select the options listed below on the Sound Adjustment menu. To select options, see “Navigating through menus” (page 19).

Effect (sound effect)

- 1 Press **OK** to select “Effect”.
- 2 Press **↑/↓** to select one of the following sound effects, then press **OK**.
 Off: Flat response.
 Natural: Enhances clarity, detail, and sound presence by using “BBE High Definition Sound System”^{*1}.
 Dynamic: Intensifies clarity and sound presence for better intelligibility and musical realism by using the “BBE High Definition Sound System”.
 Dolby Virtual^{**2}: Uses the TV speakers to simulate the surround effect produced by a multi channel system.

Tips

- You can also change sound effect by pressing **⇄** repeatedly.
- If you set “Auto Volume” to “On”, “Dolby Virtual” is automatically set to “Natural”.

^{*1} Manufactured under license from BBE Sound, Inc.

Licensed by BBE Sound, Inc. under USP46-38258, 448-2866. “BBE” and BBE symbol are trademarks of BBE Sound, Inc.

^{**2} Manufactured under licence from Dolby Laboratories. “Dolby” and the double-D **DD** are trademarks of Dolby Laboratories.

Treble/Bass/Balance

Adjusts higher-pitched sounds (Treble), adjusts lower-pitched sounds (Bass), and emphasizes left or right speaker balance (Balance).

- 1 Press **OK** to select the option.
- 2 Press **←/→** to set the level, then press **OK**.

Auto Volume

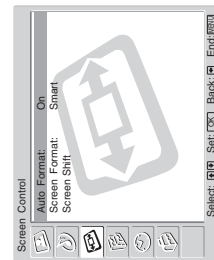
Keeps a constant volume level even when volume level gaps occur (e.g., adverts tend to be louder than programmes).

- 1 Press **OK** to select “Auto Volume”.
- 2 Press **↑/↓** to select “On”, then press **OK**.

Tip

If you set “Effect” to “Dolby Virtual”, “Auto Volume” will automatically be switched to “Off”.

Screen Control menu



You can select the options listed below on the Screen Control menu. To select options, see "Navigating through menus" (page 19).

Auto Format

Automatically changes the screen format according to the broadcast signal.

- 1 Press OK to select "Auto Format".
- 2 Press **↑/↓** to select "On", then press OK.
To keep your setting, select "Off".

Tips

- Even if you have selected "On" or "Off" in "Auto Format", you can always modify the format of the screen by pressing **##** repeatedly.
- "Auto Format" is available for PAL and SECAM signals only.

Screen Format

For details about the screen format, see page 15.

- 1 Press OK to select "Screen Format".
- 2 Press **↑/↓** to select "Smart", "4:3", "14:9", "Zoom" or "Wide" (see page 15 for details), then press OK.

Screen Shift

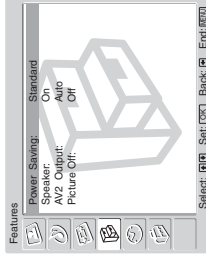
Adjusts the position of the picture for each screen format.

- 1 Press OK to select "Screen Shift".
- 2 Press **↑/↓** to select one of the following, then press OK.
V Shift: Adjusts the vertical picture position.
H Shift: Adjusts the horizontal picture position.
Reset: Resets to the factory settings. Instead of step 3, press **↑/↓** to select "OK", then press OK.
- 3 Press **↑/↓** (for vertical picture position) or **←/→** (for horizontal picture position), then press OK.

Tip

When "Screen Format" is set to "4:3" or "Wide", "V Shift" cannot be adjusted.

Features menu



You can select the options listed below on the Features menu. To select options, see "Navigating through menus" (page 19).

Power Saving

Reduces the power consumption of the TV.

- 1 Press OK to select "Power Saving".
- 2 Press **↑/↓** to select "Reduce", then press OK.

Speaker

Switches on/off the TV's internal speakers.

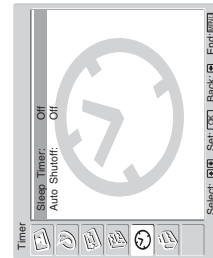
- 1 Press OK to select "Speaker".
- 2 Press **↑/↓** to select "On" or "Off", then press OK.
On: The sound of the TV is output through the TV's speakers.
Off: The sound of the TV is output through the external audio equipment connected to the audio output sockets **ⓐ**.

AV2 Output

Sets a signal to be output through the socket labelled **ⓐ/ⓑ** on the rear of the TV. If you connect a VCR or other recording equipment to the **ⓐ/ⓑ** socket, you can then record from the equipment connected to other sockets of the TV.

- 1 Press OK to select "AV2 Output".
- 2 Press **↑/↓** to select one of the following, then press OK.
Auto: Outputs whatever is being viewed on the screen.
TV Analog: Outputs an analogue broadcast.
TV Digital: Outputs a digital broadcast.
AV1: Outputs signals from equipment connected to the **ⓐ/ⓑ** socket.
AV3: Outputs signals from equipment connected to the **ⓐ/ⓑ** socket.
AV6: Outputs signals from equipment connected to the **ⓐ/ⓑ** socket.

Timer menu



You can select the options listed below on the Timer menu. To select options, see "Navigating through menus" (page 19).

Sleep Timer

Sets a period of time after which the TV automatically switches itself into standby mode.

- 1 Press OK to select "Sleep Timer".
- 2 Press \uparrow/\downarrow to select the desired time period ("30min"/"60min"/"90min"/"120min"), then press OK.

The \odot (Timer) indicator on the TV (front) lights up in orange.

Tips

- If you switch off the TV and switch it on again, "Sleep Timer" is reset to "Off".
- "Sleep timer will end soon. Power will be turned off." appears on the screen one minute before the TV switches to standby mode.
- If you press \odot , the remaining time in minutes before the TV switches to standby mode is displayed on the screen.

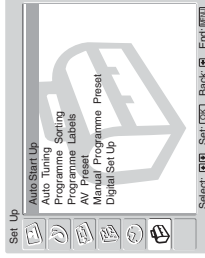
Auto Shuttoff

Sets the TV to switch to standby mode automatically when you select the input source and there is no input signal from connected equipment.

In TV mode, this Auto Shuttoff function is always set to "On".

- 1 Press OK to select "Auto Shuttoff".
- 2 Press \uparrow/\downarrow to select "On", then press OK.

Set Up menu



You can select the options listed below on the Set Up menu. To select options, see "Navigating through menus" (page 19).

Auto Start Up

Starts the "first time operation menu" to tune in all available digital and analogue channels. Usually, you do not need to do this operation because the channels will have been already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

- 1 Press OK to select "Auto Start Up".
- 2 Press OK to select "Yes".
The auto-tune display appears on the screen.
- 3 Follow steps 1 to 3 of "6: Auto-tuning the TV" (page 13).

Auto Tuning (Analogue mode only)

Tunes in all the available analogue channels.

Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters).

- 1 Press OK to select "Auto Tuning".
- 2 Follow step 1 of "6: Auto-tuning the TV" (page 13).

When all available analogue channels have been tuned, the TV returns to normal operation.

Programme Sorting (Analogue mode only)

Changes the order in which the analogue channels are stored on the TV.

- 1 Press OK to select "Programme Sorting".
- 2 Press \uparrow/\downarrow to select the channel you want to move to a new position, then press OK.
- 3 Press \uparrow/\downarrow to select the new position for your channel, then press OK.
Repeat the procedure in steps 2 and 3 to move other channels if required.

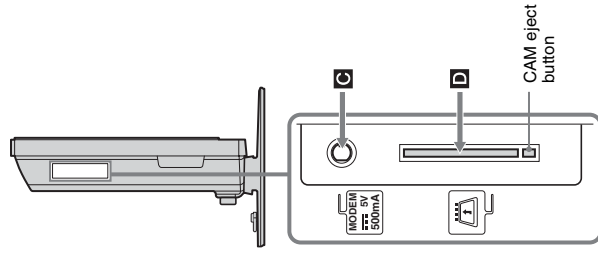
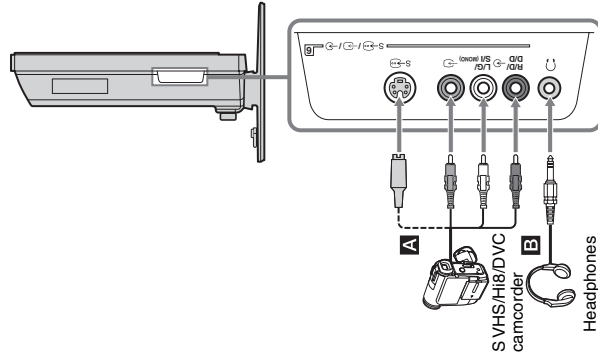
Continued

Using Optional Equipment

Connecting optional equipment

You can connect a wide range of optional equipment to your TV. Connecting cables are not supplied.

Connecting to the TV (side)



To connect
SVHS/Hi8/DVC camcorder A Connect to the S video socket S-6 or the video socket -6, and the audio sockets -6. To avoid picture noise, do not connect the camcorder to the video socket S-6 and the S video socket S-6 at the same time. If you connect mono equipment, connect to the L/G/S/I socket -6, and set "Dual Sound" to "A" (page 24).
Headphones B Connect to the socket to listen to sound from the TV on headphones.

To connect
Modem connector C For future use only.
Conditional Access Module (CAM) D To use Pay Per View services. For details, refer to the instruction manual supplied with your CAM. To use the CAM, press the eject button and remove the "dummy" card. When you do not use the CAM, we recommend that the "dummy" card be inserted and kept in the CAM slot.

Programme Labels (Analogue mode only)

Assigns a channel name of your choice up to five letters or numbers. The name will be displayed briefly on the screen when the channel is selected. (Names for channels are usually taken automatically from Analogue Text (if available).)

- 1 Press OK to select "Programme Labels".
- 2 Press \uparrow/\downarrow to select the channel you want to name, then press OK.
- 3 Press $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select the desired letter or number ("□" for a blank space), then press OK.
 If you input a wrong character
 Press $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select \square and press OK repeatedly until the wrong character is selected. Then, press $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select the correct character and press OK.
- 4 Repeat the procedure in step 3 until the name is complete.
- 5 Press $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select "End", then press OK.

AV Preset

Do the following options.

- 1 Press OK to select "AV Preset".
- 2 Press \uparrow/\downarrow to select the desired input source, then press OK.
- 3 Press \uparrow/\downarrow to select the desired option below, then press OK.

Option	Description
Label	Assigns a name to any equipment connected to the side and rear sockets. The name will be displayed briefly on the screen when the equipment is selected. Press \uparrow/\downarrow to select one of the following, then press OK. Equipment labels: Uses one of these preset labels. Edit: Creates your own label. Follow steps 3 to 5 of "Programme Labels" (page 30).
Skip	Skips an input source that is not connected to any equipment when you press \uparrow/\downarrow to select the input source. After selecting this option, press OK.

Manual Programme Preset (Analogue mode only)

Before selecting "Label"/"ATT"/"Audio Filter"/"Skip"/"ATT", press PROG +/- to select the programme number with the channel. You cannot select a programme number that is set to skip (page 32).

- 1 Press OK to select "Manual Programme Preset".
- 2 Press \uparrow/\downarrow to select one of the following options, then press OK.

Additional Information

Specifications

Display Unit

(KDL-V32A12U)

Power Requirements:
220-240 V AC, 50 Hz
Screen Size:
32 inches
Approx. 80.0 cm measured diagonally
Display Resolution:
1,366 dots (horizontal) × 768 lines (vertical)
Power Consumption:
143 W

Standby Power Consumption:
0.5 W or less
Dimensions (w × h × d):
Approx. 808.0 × 588.5 × 308.2 mm (with stand)
Approx. 808.0 × 549.4 × 110.5 mm (without stand)
Mass:
Approx. 22.5 kg (with stand)
Approx. 18.7 kg (without stand)

(KDL-V40A12U)

Power Requirements:
220-240 V AC, 50 Hz
Screen Size:
40 inches
Approx. 101.5 cm measured diagonally
Display Resolution:
1,366 dots (horizontal) × 768 lines (vertical)
Power Consumption:
228 W
Standby Power Consumption:
0.5 W or less
Dimensions (w × h × d):
Approx. 1,014.4 × 722.7 × 370.3 mm (with stand)
Approx. 1,014.4 × 683.3 × 121.3 mm (without stand)
Mass:
Approx. 34.0 kg (with stand)
Approx. 27.5 kg (without stand)

Panel System

LCD (Liquid Crystal Display) Panel

TV System

Colour System

PAL, SECAM
NTSC 3.58, 4.43 (only Video In)
MPEG-2 MP@ML

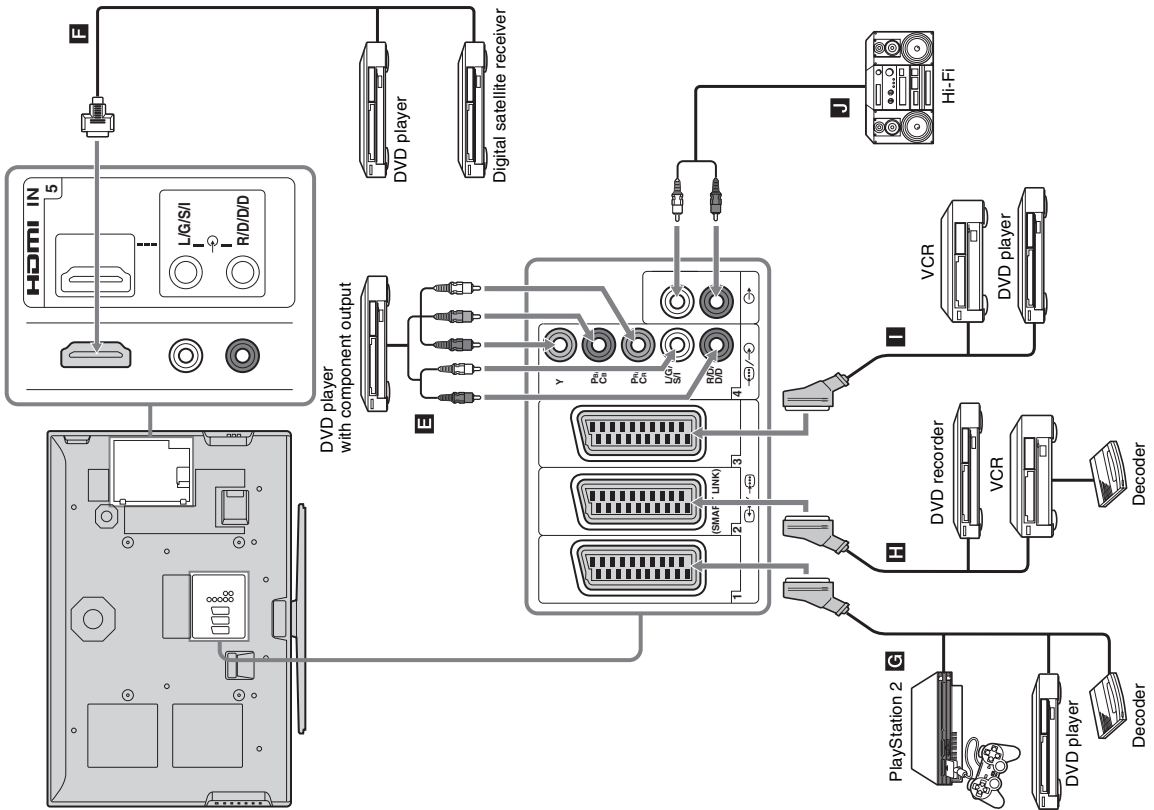
Aerial

75 ohm external terminal for VHF/UHF

Channel Coverage

I: UHF-B21-B69

Connecting to the TV (rear)



Terminals



21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and TV audio/video output.



21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, selectable audio/video output, and SmartLink interface.



21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and audio/video output which currently appears on the screen.



Y: 1 Vp-p, 75 ohms, 0.3V negative sync
Pb/Cr: 0.7 Vp-p, 75 ohms
Pr/Cr: 0.7 Vp-p, 75 ohms
4 Audio input (phono jacks)
500 mVrms
Impedance: 47 kilo ohms

HDMI IN 5

Video: 1080i, 720p, 576p, 576i, 480p, 480i
Audio: Two channel linear PCM
32, 44.1 and 48 kHz, 16, 20 and 24 bits,
or analogue audio input (phono jacks)



S video input (4-pin mini DIN)



Video input (phono jacks)



Audio input (phono jacks)



Audio output (Left/Right) (phono jacks)



Headphones jack



CAM (Conditional Access Module) slot



MODEM



Modem jack (for future use only)

Sound Output

10 W + 10 W

Supplied Accessories


- Remote RM-ED001 (1)
- Size AA batteries (R6 type) (2)
- Coaxial cable (1)
- Mains lead (Type BF) (1)
- Cable holder (1)
- Support belt (1) and screw (1)

Optional Accessories

- Wall-Mount Bracket SU-WL31 (for KDL-V32A12U)
- SU-PW2 (for KDL-V40A12U)
- TV stand SU-FF51



Design and specifications are subject to change without notice.

Troubleshooting

Check whether the  (standby) indicator is flashing in red.

When it is flashing

The self-diagnosis function is activated.





- 1 Count how many  (standby) indicator flashes between each two second break. For example, the indicator flashes three times, then there is a two second break, followed by another three flashes, etc.
- 2 Press  on the TV (right side) to switch it off, disconnect the mains lead, and inform your dealer or Sony service centre of how the indicator flashes (number of flashes).







When it is not flashing

- 1 Check the items in the tables below.
- 2 If the problem still persists, have your TV serviced by qualified service personnel.

Picture

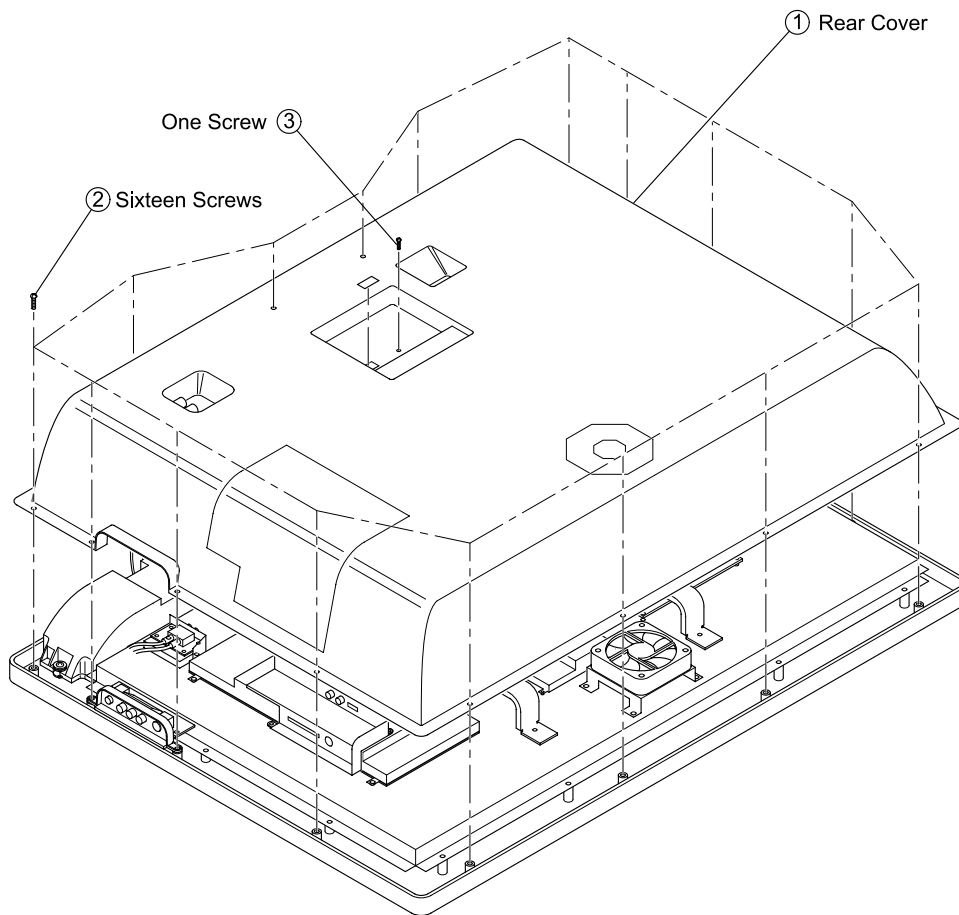
Problem Cause/Remedy

No picture (screen is dark) and no sound	<ul style="list-style-type: none"> • Check the aerial connection. • Connect the TV to the mains, and press  on the TV (right side). • If the  (standby) indicator lights up in red, press TV .
No picture or no menu information from equipment connected to the scart connector	<ul style="list-style-type: none"> • Check that the optional equipment is on and press  repeatedly until the correct input symbol is displayed on the screen. • Check the connection between the optional equipment and the TV.
Distorted picture	<ul style="list-style-type: none"> • Check if any connected optional equipment is installed in front of the TV or beside the TV. When installing optional equipment, leave some space between the optional equipment and the TV. • When changing programmes or selecting digital/analogue Text, turn off any equipment connected to the scart connector on the rear of the TV.
Double images or ghosting	<ul style="list-style-type: none"> • Check aerial/cable connections. • Check the aerial location and direction.
Only snow and noise appear on the screen	<ul style="list-style-type: none"> • Check if the aerial is broken or bent. • Check if the aerial has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).
Picture (dotted lines or stripes) noise	<ul style="list-style-type: none"> • Keep the TV away from electrical noise sources such as cars, motorcycles, or hair-dryers. • Make sure that the aerial is connected using the supplied coaxial cable. • Keep the aerial cable away from other connecting cables. • Do not use a 300-ohm twin lead cable as interference may occur.
Picture noise when viewing a TV channel	<ul style="list-style-type: none"> • Select "Manual Programme Preset" in the "Set Up" menu and adjust "APT" (Automatic Fine Tuning) to obtain better picture reception (page 31). • Select "Noise Reduction" in the "Picture Adjustment" menu to reduce the noise in the picture (page 22).
Stripe noise during playback/recording of a VCR	<ul style="list-style-type: none"> • Video head interference. Keep your VCR away from the TV. • Leave a space of 30 cm between your VCR and the TV to avoid noise. • Avoid installing your VCR in front of the TV or beside the TV.
Some tiny black points and/or bright points on the screen	<ul style="list-style-type: none"> • The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.

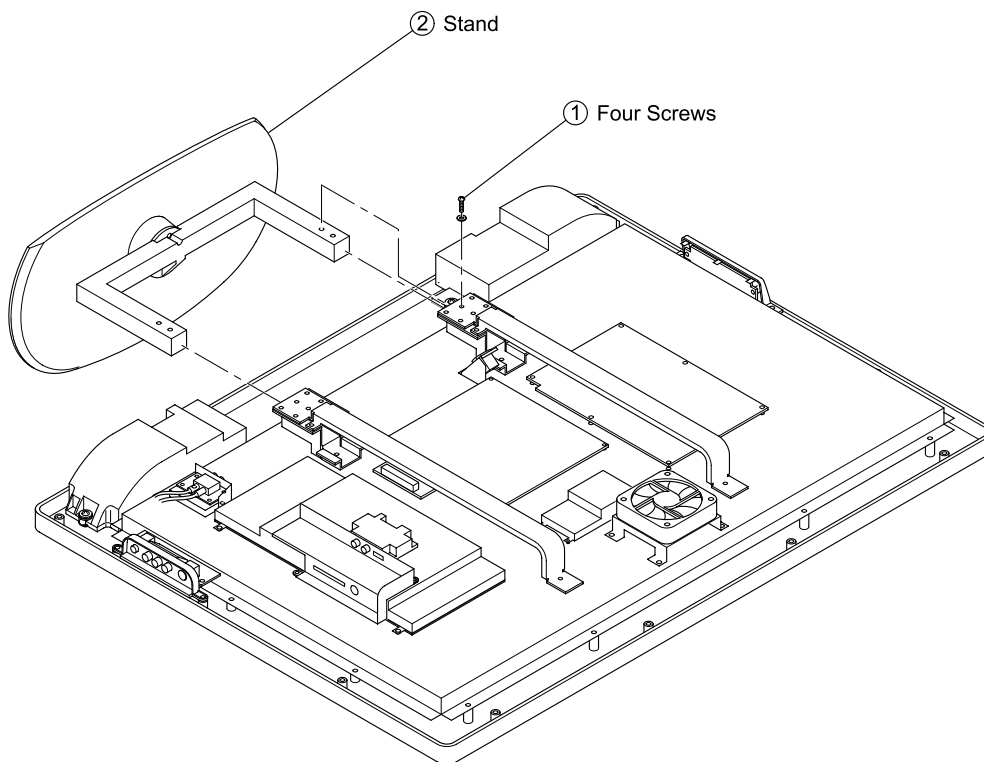
Problem	Cause/Remedy
No colour on programmes	<ul style="list-style-type: none"> • Select "Reset" in the "Picture Adjustment" menu to return to the factory settings (page 22).
No colour or irregular colour when viewing a signal from the Y, Pb/Cb, Pr/Cr jacks of  4	<ul style="list-style-type: none"> • Check the connection of the Y, Pb/Cb, Pr/Cr jacks of 4. • Make sure that the Y, Pb/Cb, Pr/Cr jacks of 4 are firmly seated in their respective sockets.
Sound	
Problem	Cause/Remedy
No sound, but good picture	<ul style="list-style-type: none"> • Press  +/- or  (Mute). • Check that "Speaker" is set to "On" in the "Features" menu (page 26).
Noisy sound	<ul style="list-style-type: none"> • See the "Picture noise" causes/remedies on page 40.
Audio distortion	<ul style="list-style-type: none"> • See "Audio Filter" on page 31.
Channels	
Problem	Cause/Remedy
The desired channel cannot be selected	<ul style="list-style-type: none"> • Switch between digital and analogue mode and select the desired digital/analogue channel.
Some channels are blank	<ul style="list-style-type: none"> • Scrambled/Subscription only channel. Subscribe to the Pay Per View service. • Channel is used only for data (no picture or sound). • Contact the broadcaster for transmission details.
Digital channel is not displayed	<ul style="list-style-type: none"> • Check that the aerial is plugged directly into the TV (not through other equipment). • Contact a local installer to find out if digital transmissions are provided in your area. • Upgrade to a higher gain aerial.
General	
Problem	Cause/Remedy
The TV turns off automatically (the TV enters standby mode)	<ul style="list-style-type: none"> • Check if the Sleep Timer function is activated (page 28). • Check if the Auto Shutoff is activated (page 28). • If no signal is received or no operation is performed in the TV mode for 10 minutes, the TV automatically switches to standby mode.
Some input sources cannot be selected	<ul style="list-style-type: none"> • Select "AV Preset" in the "Set Up" menu and cancel "Skip" of the input source (page 30).
The remote does not function	<ul style="list-style-type: none"> • Check that the remote is set correctly for the equipment you are using. • If the remote does not operate the equipment even when the remote has been set correctly to the equipment, enter the necessary code set as explained in "Programming the remote" (page 37). • Replace the batteries.
The  (standby) indicator flashes	<ul style="list-style-type: none"> • Digital programme is set for "Timer REC". For details, see "Checking the Digital Electronic Programme Guide (EPG)" on page 16.

SECTION 2 DISASSEMBLY

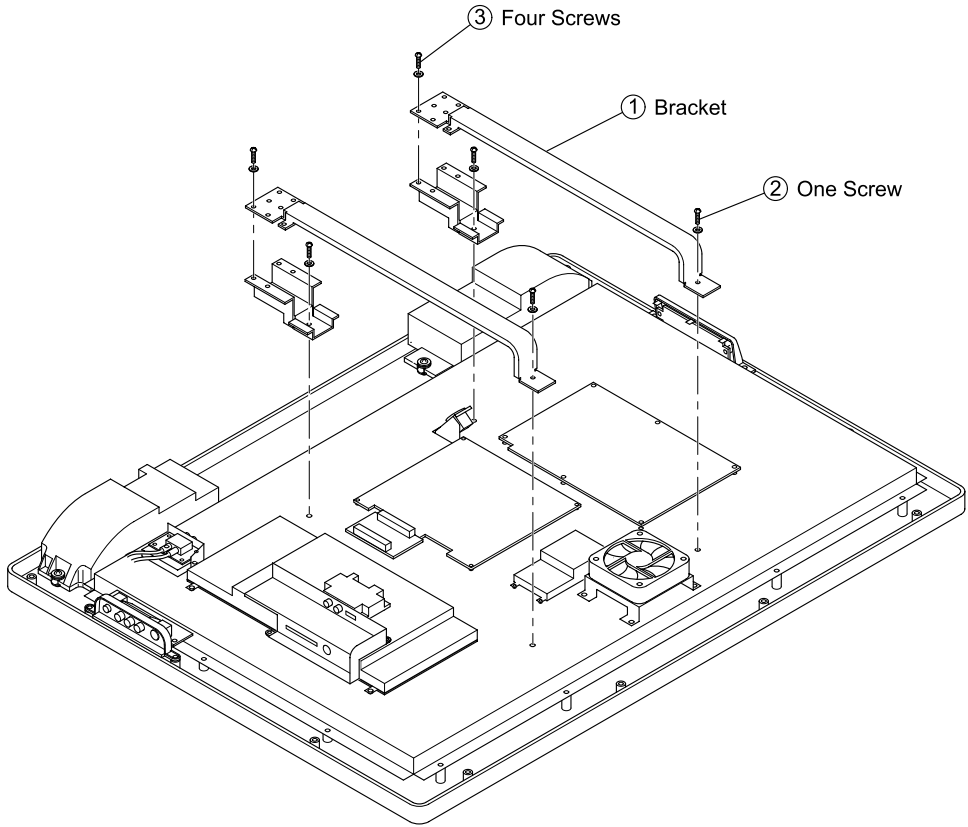
2-1. REAR COVER REMOVAL



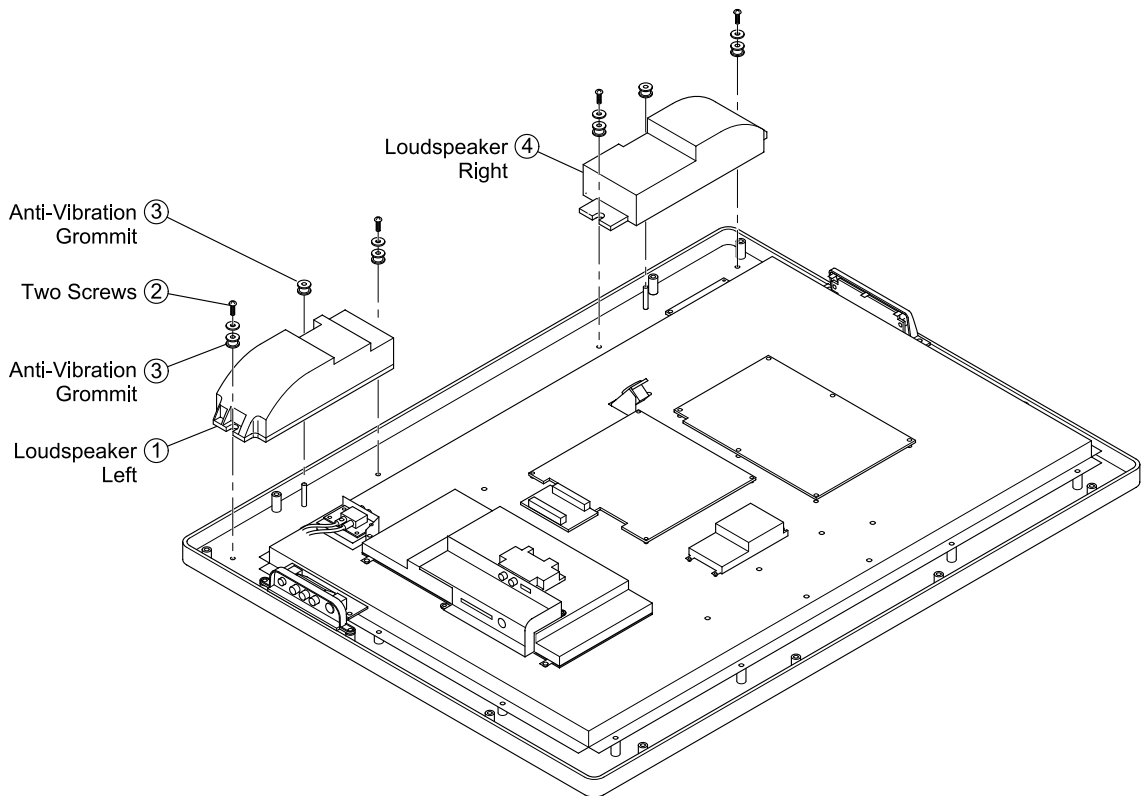
2-2. STAND REMOVAL



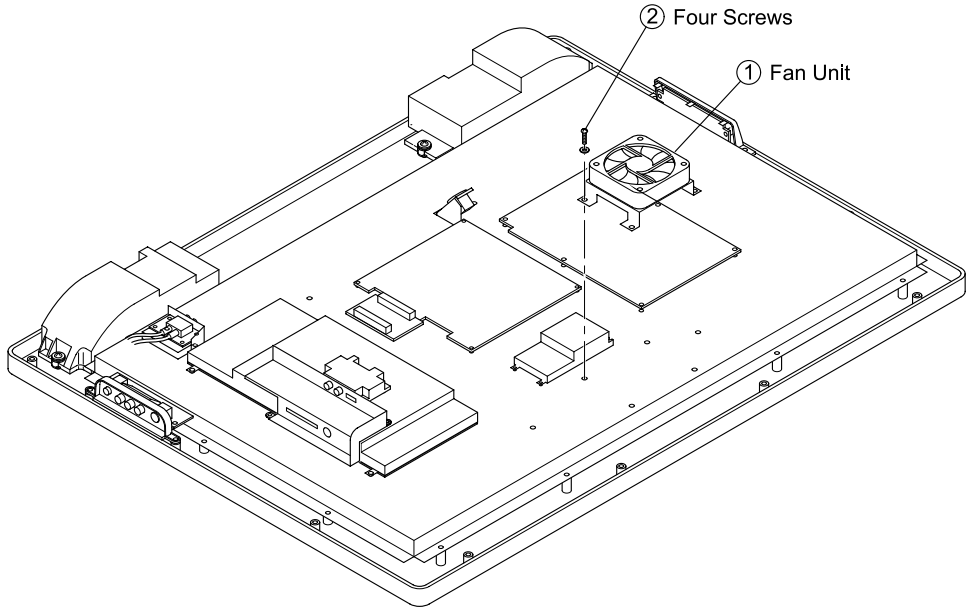
2-3. BRACKET REMOVAL



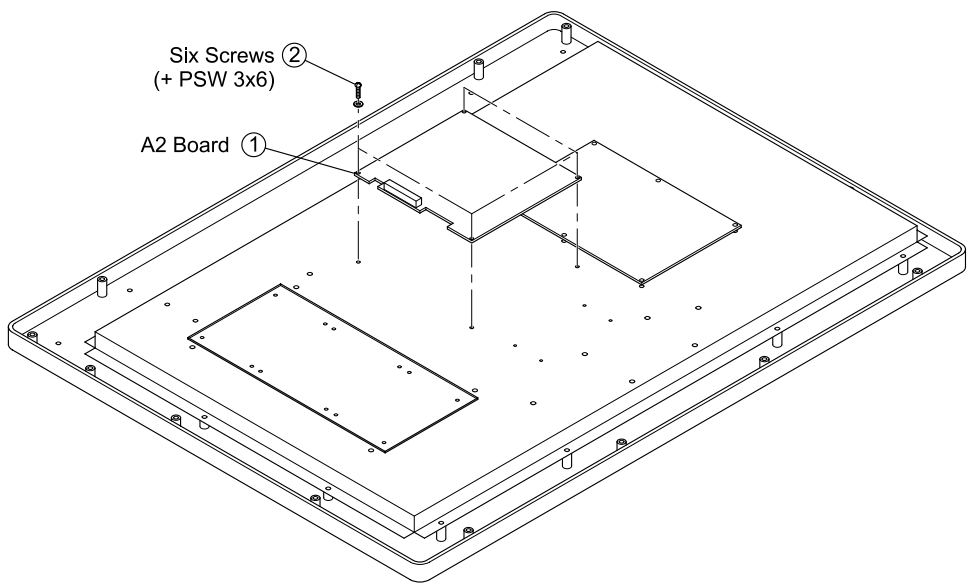
2-4. LOUDSPEAKER REMOVAL



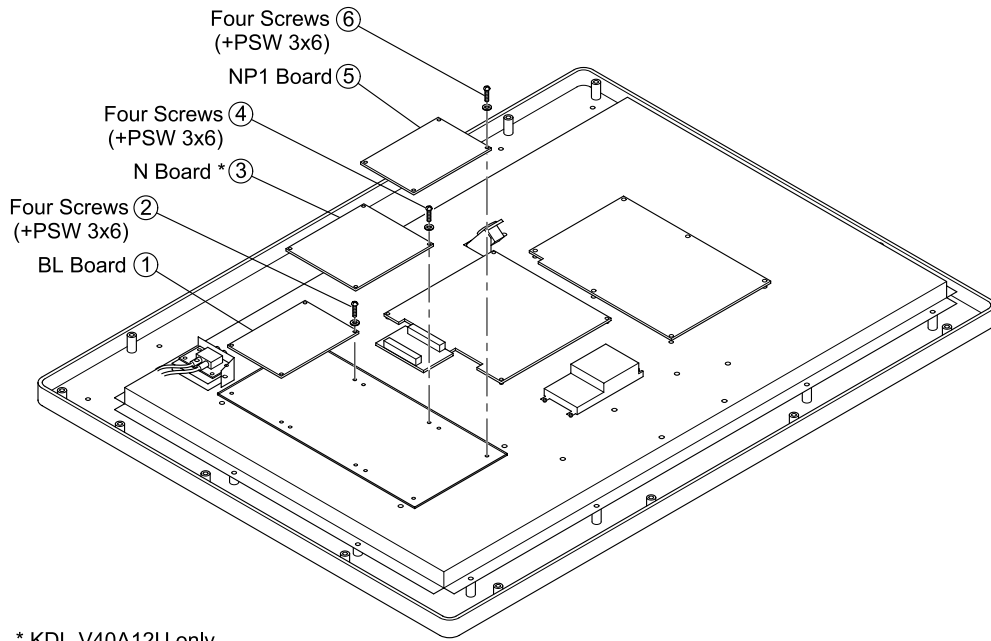
2-5. FAN REMOVAL



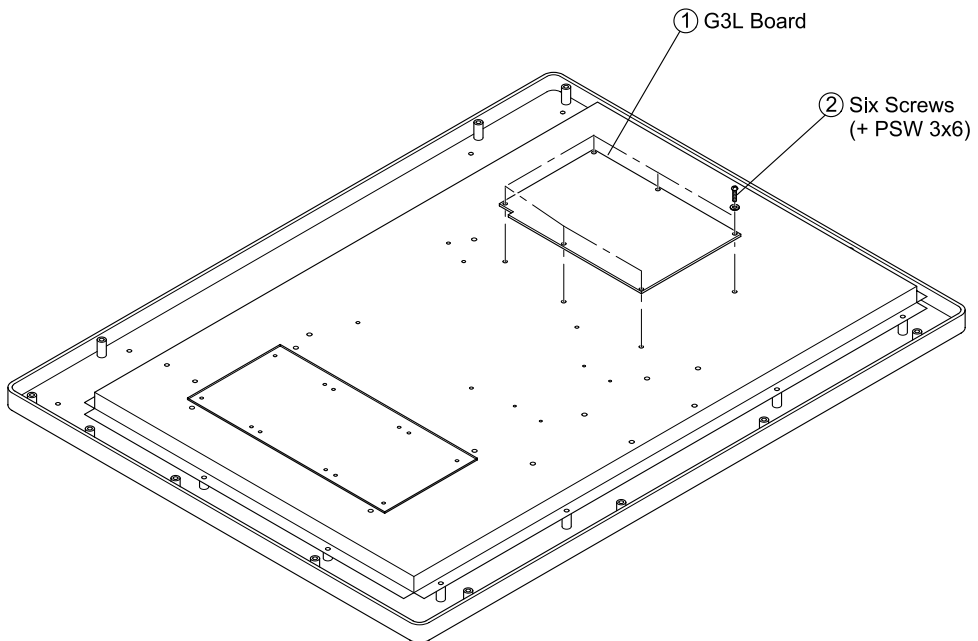
2-6. A2 BOARD REMOVAL



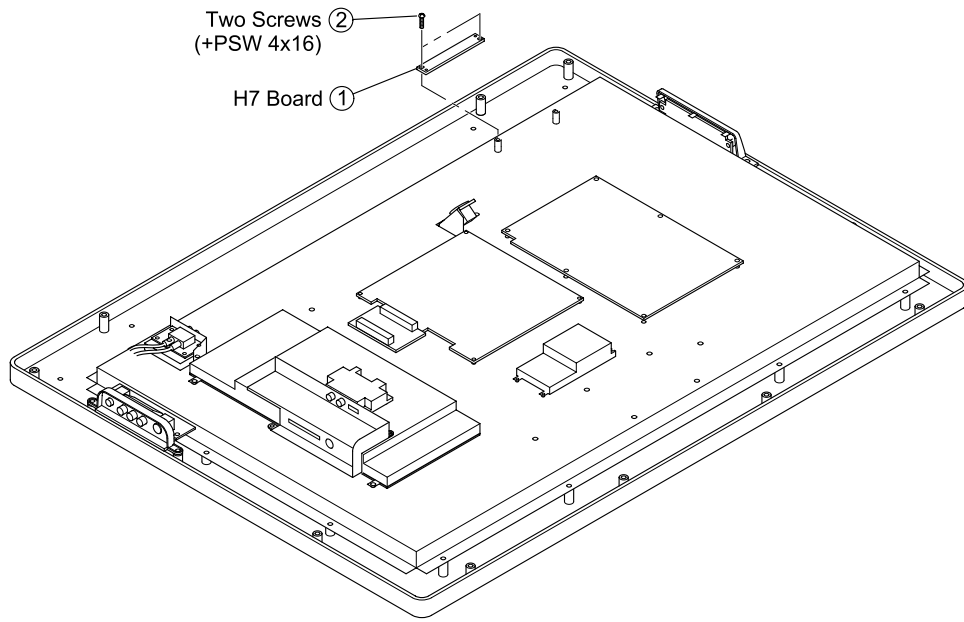
2-7. BL, N and NP1 BOARD REMOVAL



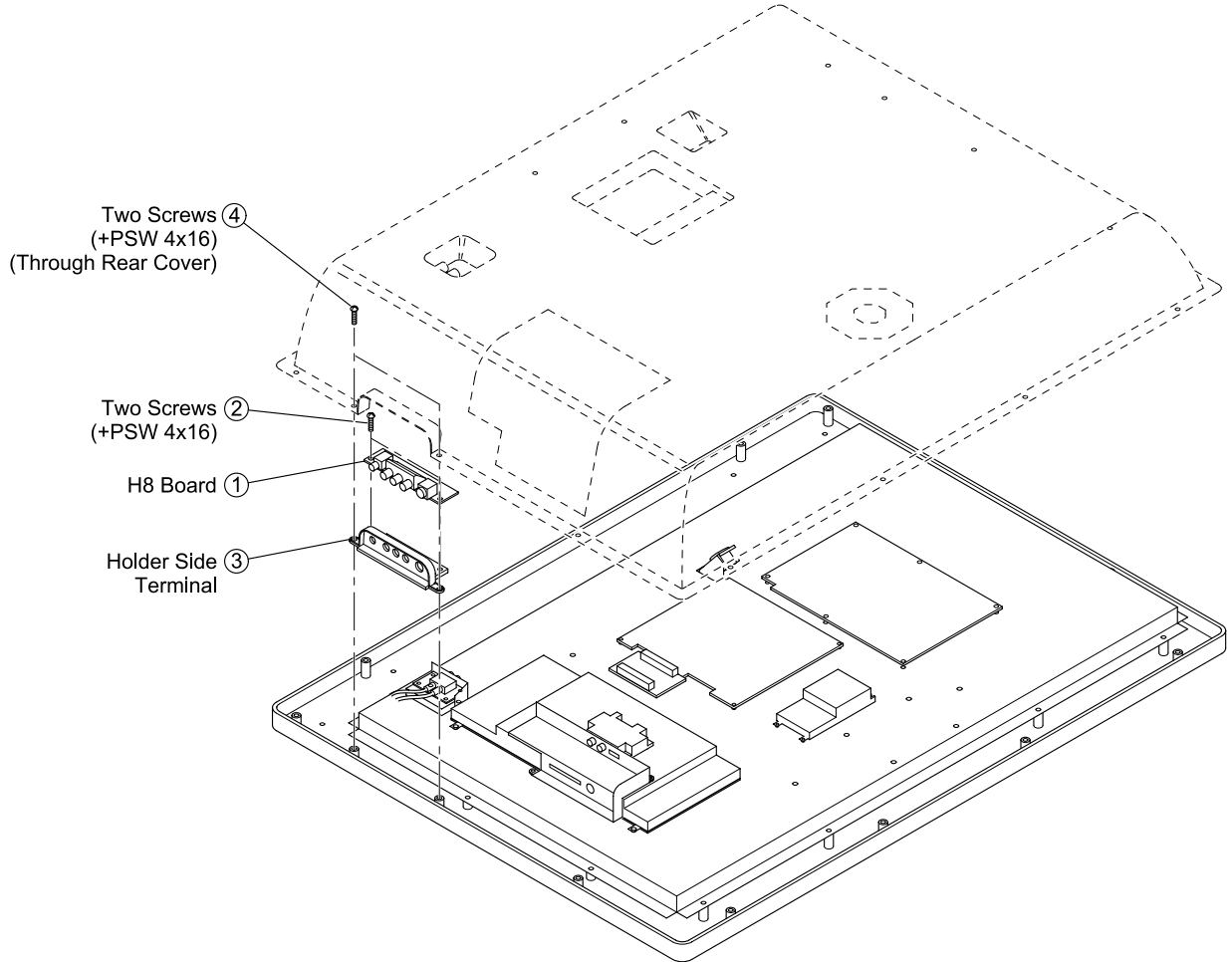
2-8. G3L BOARD REMOVAL



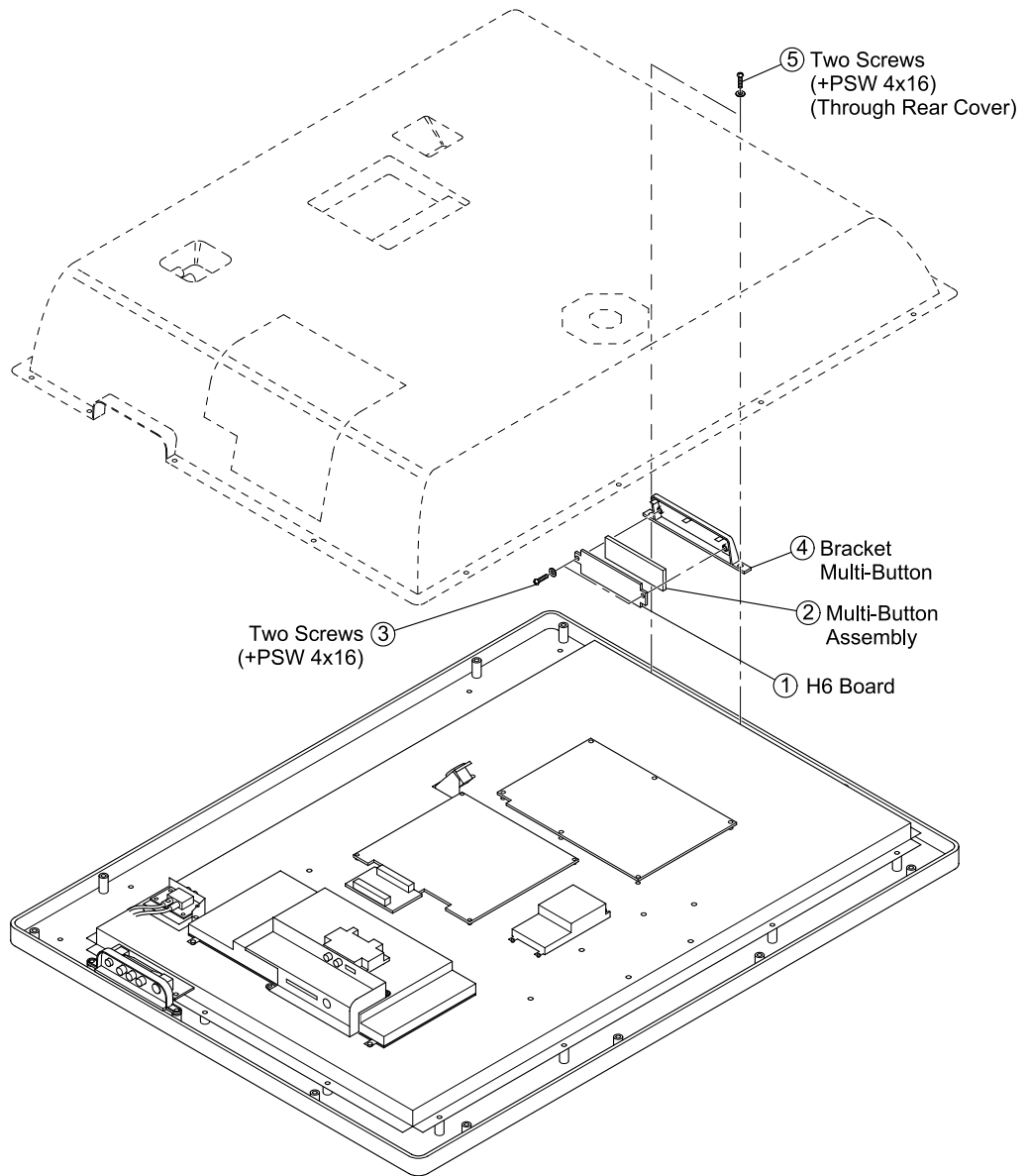
2-9. H7 BOARD REMOVAL



2-10. H8 BOARD REMOVAL

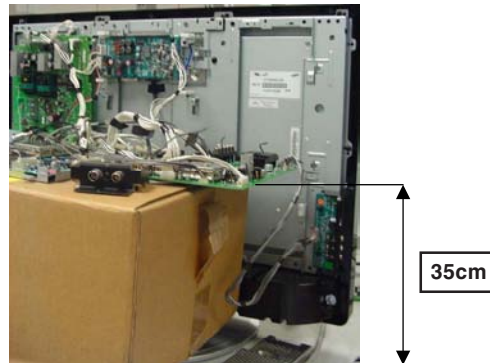


2-11. H6 BOARD REMOVAL



2-12.SERVICE POSITION

1. Remove the rear cover (See 2-1).
2. Remove the main brackets (See 2-3).
3. Disconnect the harnesses connected to boards beneath the main shield case (NP1, BL and N boards). Remove the main shield case.
4. Remove the NP1, BL and N boards (See 2-7).
5. Remove the A2 board (See 2-6).
6. Place a support of approx 35cm high as close as possible to the TV set as shown below.



7. Arrange the removed circuit boards as shown in the picture. Reconnect the interconnecting harnesses to the circuit boards.

Note: Two new cables are needed to connect the boards in the service position

Cable 1: Part Number: 9-948-020-73 G3L board CN6200, CN6201 to NP1 board CN5801, CN5802

Cable 2: Part Number: 9-948-020-72 N board CN3402 to A2 board CN5105



- 8. The boards are now arranged properly in the service position. If access is required to the underside of the A2 board then an interface (IF) board is needed.

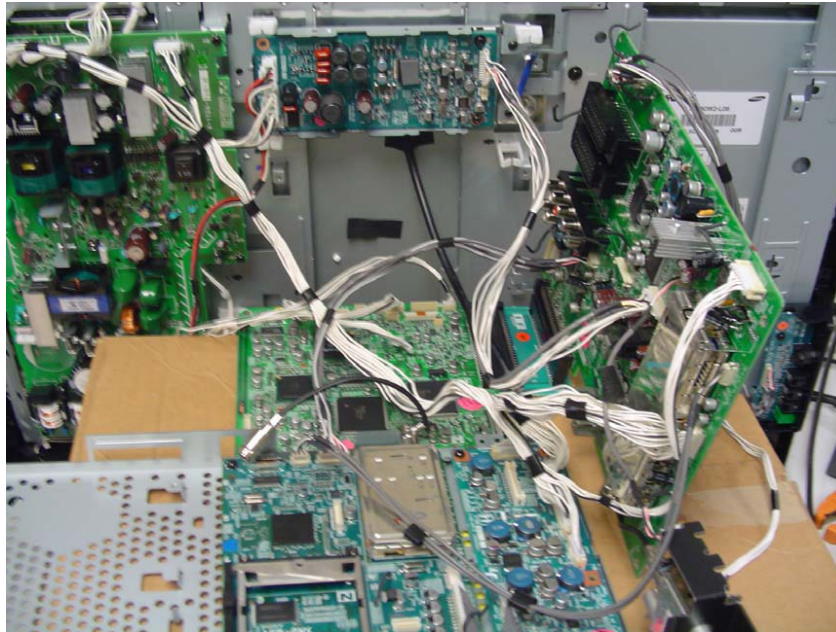


IF Board Side A

IF Board Side B

IF Board Part Number: 9-948-020-71

- 9. Using the IF board the A2 board can then be mounted vertically as shown in the picture below.

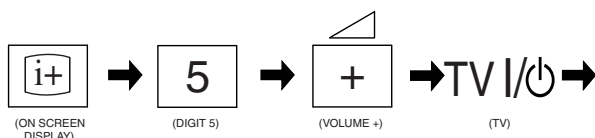


SECTION 3 SET-UP ADJUSTMENTS

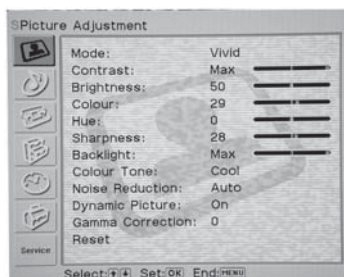
3-1. How to enter Service Mode

Service adjustments to this model can be performed using the supplied remote Commander RM-EA001 or RM-ED001.

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



3. Press 'MENU' on the remote commander to obtain the following menu on the screen.



4. Move to the Service icon using the up or down arrow button on the remote commander
5. Press the right arrow button to enter into the required menu item.
6. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

3-2. Signal Level Adjustment (Also see 3-2(a))

3-2-1. Check AD (CCPX case) calibration registration items.(Also see 3-2-1(a))

This adjustment is done using ECS.

1. Select AV1 and input PAL signal.
2. Change the TV Picture Mode to 1 (Custom).
3. Set the following registration items.

TARGET_PW_IN_Y	215
ADJ_Y_DEADBAND	2
ADJ_Y_LOOPATTEN	10
TARGET_PW_IN_C	215
ADJ_C_DEADBAND	2
ADJ_C_LOOPATTEN	10
AD_ADJ_TIME_OUT	128

3-2-2.Y signal AD calibration of CCPX decode. (Also see 3-2-2(a))

1. Check "TIMING_INDEX"=5 (AV_CVBS_PAL).
2. Input 0 IRE black full field with burst.
3. Send "READ_PW_INPUT_Y" command from ECS.
4. Check that the detection value of "PW_INPUT_Y" is within the standard below.

ITEM	STANDARD
PW_INPUT_Y	16+5

5. Input 100 IRE white full field with burst.
6. Send "ADJUST_Y_LEVEL_VIDEO" command from ECS. The CP13_CVBS_Y_LEV registration of the video range is adjusted automatically by this command. Adjustment value is also copied in to the proper NVM area.
7. Check that the detection value of "PW_INPUT_Y" is within the standard below.

ITEM	STANDARD
PW_INPUT_Y	215+5

3-2-3.C signal AD calibration of CCPX decode. (Also see 3-2-3(a))

1. Check "TIMING_INDEX"=5 (AV_CVBS_PAL).
2. Input 0 IRE black full field with burst.
3. Send "READ_PW_INPUT_Y" command from ECS.
4. Check that the detection value of "PW_INPUT_Y" is within the standard below.

ITEM	STANDARD
PW_INPUT_CB	128+5

5. Input blue full field with burst.
6. Send "ADJUST_C_LEVEL_VIDEO" command from ECS.

The CP14_CVBS_C_LEV registration of the video range is adjusted automatically by this command

Adjustment value is also copied in to the proper NVM area.

7. Check that the detection value of "PW_INPUT_CB" is within the standard below.

ITEM	STANDARD
PW_INPUT_CB	210+2

8. Input red full field with burst.
9. Send "READ_PW_INPUT_CR" command from ECS.
10. Check that the detection value of "PW_INPUT_CR" is within the standard below.

ITEM	STANDARD
PW_INPUT_CR	210+2

3-2-4. Check AD (Component case) calibration registration items.(Also see 3-2-4(a))

1. Connect component signal into Component input 575i signal.
2. Change the TV Picture Mode to 1 (Custom).
Component input is as follows:-
AV3: 26”
AV4: 32”/40”/42”/50”
3. Input 0 IRE black full field with burst into AV3.

8. Input red full field with burst.
9. Send “READ_PW_INPUT_CR” command from ECS.
10. Check that the detection value of “PW_INPUT_CR” is within the standard below.

ITEM	STANDARD
PW_INPUT_CR	210+2

3-2-5. Y signal AD calibration of component input (Also see 3-2-5(a))

1. Check “TIMING_INDEX”=24 (Component/575i).
2. Input 0 IRE black full field. (No burst).
3. Send “READ_PW_INPUT_Y” command from ECS.
4. Check that the detection value of “PW_INPUT_Y” is within the standard below.

ITEM	STANDARD
PW_INPUT_Y	16+5

5. Input 100 IRE white full field with burst.
6. Send “ADJUST_Y_LEVEL_VIDEO” command from ECS.
The CPOA_CPNT_Y_LEV registration of the video range is adjusted automatically by this command
Adjustment value is also copied in to the proper NVM area.
7. Check that the detection value of “PW_INPUT_Y” is within the standard below.

ITEM	STANDARD
PW_INPUT_Y	215+5

3-2-6. C signal AD calibration of component input (Also see 3-2-6(a))

1. Check “TIMING_INDEX”=24 (Component/575i).
2. Input 0 IRE black full field. (No burst).
3. Send “READ_PW_INPUT_CB” command from ECS.
4. Check that the detection value of “PW_INPUT_CB” is within the standard below.

ITEM	STANDARD
PW_INPUT_CB	128+5

5. Input blue full field with burst.
6. Send “ADJUST_C_LEVEL_VIDEO” command from ECS.
The CP0B_CPNT_C_LEV registration of the video range is adjusted automatically by this command
Adjustment value is also copied in to the proper NVM area.
7. Check that the detection value of “PW_INPUT_Y” is within the standard below.

ITEM	STANDARD
PW_INPUT_CB	210+2

3-3. White Balance Adjustment (Also see 3-3(a))

This adjustment is done using ECS.

3-3-1. White Balance of Colour Temperature “Cool” (Also see 3-3-1(a))

1. Select AV1 and input a PAL 100% white full field CVBS signal.
2. Set the following registration items.

PICTURE_MODE	2(Custom)
COLORTONE	0(Cool)
CONTRAST	100(Max)
BRIGHTNESS	50(Center)
DYNA_PICT	0(Off)
DC_TRAN	0
GAMMA	0
U_BACKLIGHT	10(Max)
ECO_MODE	1(Standard)
DCI	0(Off)

3. Set data as in chart below.

R_DRIVE	128
G_DRIVE	128(Fix)
B_DRIVE	128
R_BKG	128
G_BKG	128
B_BKG	128

NOTE:
DO NOT SAVE.

4. Input 70 IRE SPECIAL gray full field signal into video input.
5. Adjust R_DRIVE and B_DRIVE until getting high light adjustment value below.

Official Color Temp: 12000K-6MPCD

	40"	Range
x	0.2728	0.6JND
y	0.2744	
Y	-	N/A

- Input 20 IRE SPECIAL gray full field signal into video input.
- Adjust R_BKG and B_BKG until getting low light adjustment value below.

Official Color Temp: 12000K-6MPCD

	40"	Range
x	0.2728	0.8JND
y	0.2744	
Y	-	N/A

- Repeat steps 2 to 7 until high and low light values are within specification.
- Do "Color Save".

3-3-2. White Balance of Colour Temperature "Neutral"(Also see 3-3-2(a))

- Select AV1 and input a PAL 100% white full field CVBS signal.
- Set the following registration items.

PICTURE_MODE	2(Custom)
COLORTONE	1(Neutral)
CONTRAST	100(Max)
BRIGHTNESS	50(Center)
DYNA_PICT	0(Off)
DC_TRAN	0
GAMMA	0
U_BACKLIGHT	10(Max)
ECO_MODE	1(Standard)
DCI	0(Off)

- Set data as in chart below.

R_DRIVE	128
G_DRIVE	128(Fix)
B_DRIVE	128
R_BKG	128
G_BKG	128
B_BKG	128

NOTE:
DO NOT SAVE.

- Input 70 IRE SPECIAL gray full field signal into video input.
- Adjust R_DRIVE and B_DRIVE until getting high light adjustment value below.

Official Color Temp: 9300K-0MPCD

	40"	Range
x	0.2848	0.6JND
y	0.2932	
Y	-	N/A

- Input 20 IRE SPECIAL gray full field signal into video input.
- Adjust R_BKG and B_BKG until getting low light adjustment value below.

Official Color Temp: 9300K-0MPCD

	40"	Range
x	0.2848	0.8JND
y	0.2932	
Y	-	N/A

- Repeat steps 2 to 7 until high and low light values are within specification.
- Do "Color Save".

3-3-3. White Balance of Colour Temperature "Warm"(Also see 3-3-3(a))

- Select AV1 and input a PAL 100% white full field CVBS signal.
- Set the following registration items.

PICTURE_MODE	2(Custom)
COLORTONE	2(Warm)
CONTRAST	100(Max)
BRIGHTNESS	50(Center)
DYNA_PICT	0(Off)
DC_TRAN	0
GAMMA	0
U_BACKLIGHT	10(Max)
ECO_MODE	1(Standard)
DCI	0(Off)

- Set data as in chart below.

R_DRIVE	128
G_DRIVE	128(Fix)
B_DRIVE	128
R_BKG	128
G_BKG	128
B_BKG	128

NOTE:
DO NOT SAVE.

- Input 70 IRE SPECIAL gray full field signal into video input.
- Adjust R_DRIVE and B_DRIVE until getting high light adjustment value below.

Official Color Temp: 8000K-0MPCD

	40"	Range
x	0.2952	0.6JND
y	0.3047	
Y	-	N/A

6. Input 20 IRE SPECIAL gray full field signal into video input.
7. Adjust R_BKG and B_BKG until getting low light adjustment value below.

Official Color Temp: 8000K-0MPCD

	40"	Range
x	0.2952	0.8JND
y	0.3047	
Y	-	N/A

8. Repeat steps 2 to 7 until high and low light values are within specification.
9. Do "Color Save".

3-4. PANEL REPLACEMENT

When replacing the panel please readjust the W/B (See page 25).

3-5. BOARD REPLACEMENT

3-5-1. P BOARD REPLACEMENT

When replacing the P board no adjustment is necessary just read the serial number label and update with Unison.

3-5-2. BL BOARD REPLACEMENT

When replacing the BL board please readjust the W/B (See page 25) and readjust the ADC (See page 24).

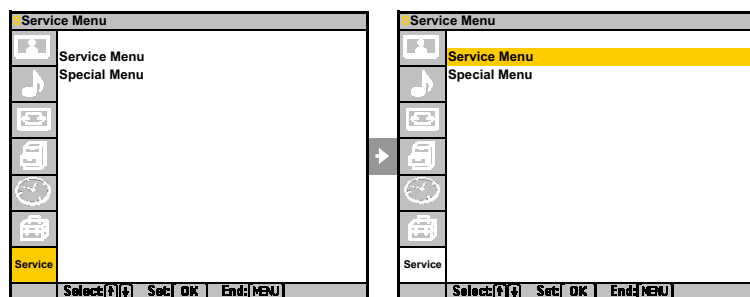
3-5-3. A2 BOARD REPLACEMENT

When replacing the A2 board please readjust the ADC (See page 24).

3-2(a). ADJUSTMENT OF SIGNAL LEVEL

3-2-1(a). Check AD calibration registration items

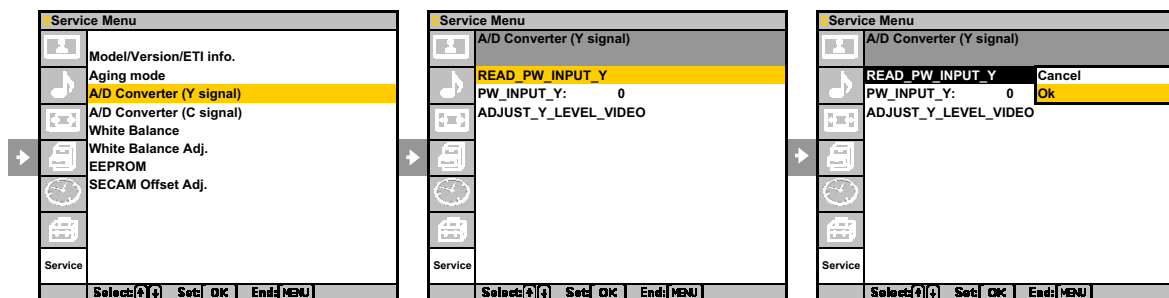
- (1) Select AV1 and input PAL signal and change picture mode to 1(Custom).
- (2) GO TO service mode and press "MENU".



3-2-2 (1) Black full field signal. When using a LEADER 408NPS, set to 0 IRE, and turn "LUMINANCE" off. Do not use the Luminance amplitude menu.

3-2-2(a). Y signal AD calibration of CCPX decode

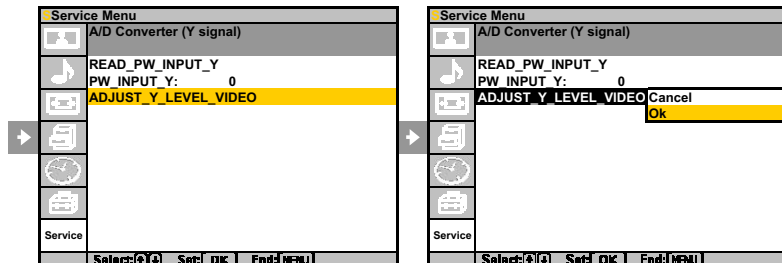
- (1) Input 0 IRE black full field with burst in AV1.
- (2) Proceed as follows.



(3) Check that the detection value of "PW_INPUT_Y" is within the standard of following column.

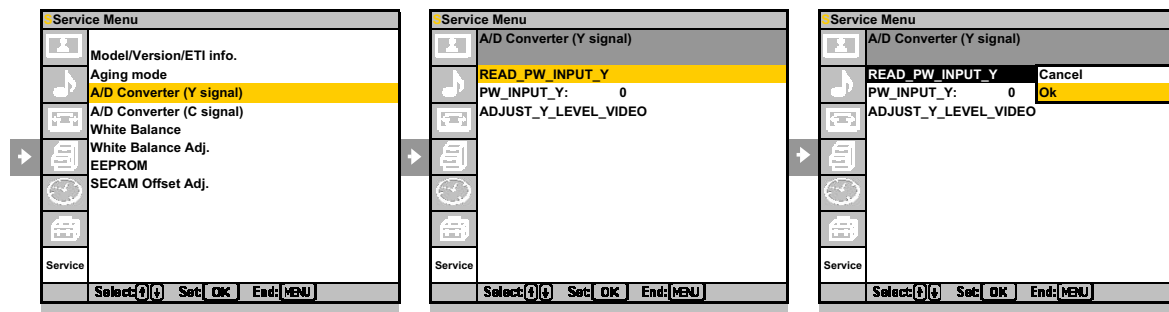
Item	Standard
PW_INPUT_Y	16±5

(4) Input 100 IRE white full field with burst.



(5) Adjustment value also is copied in the proper NVM area.

(6) Proceed as follows.

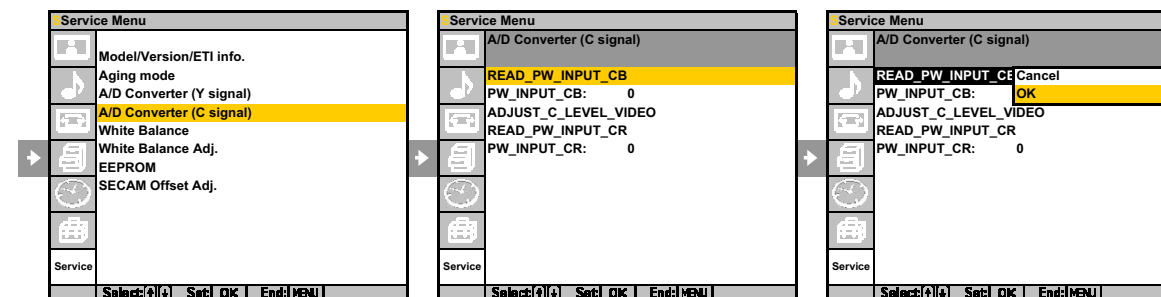


(7) Check that the detection value of "PW_INPUT_Y" is within the standard of following column.

Item	Standard
PW_INPUT_Y	215±5

3-2-3(a). C signal AD calibration of CCPX decode

- (1) Input 0 IRE black full field with burst.
- (2) Proceed as follows.

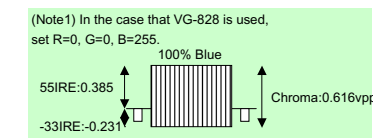
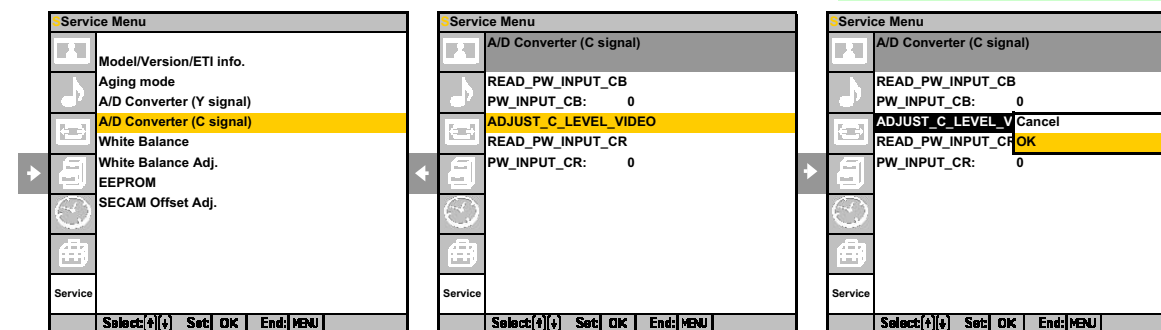


(3) Check that the detection value of "PW_INPUT_CB" is within the standard of following column.

Item	Standard
PW_INPUT_CB	128±5

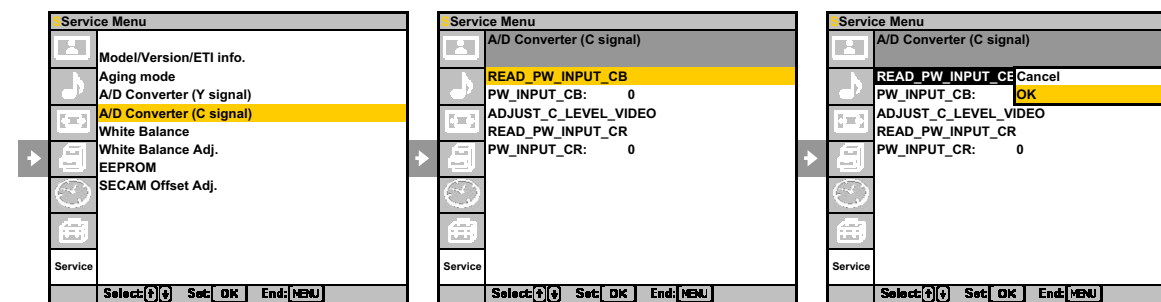
(4) Input blue full field with burst.

(5) Proceed as follows.



(6) Adjustment value also is copied in the proper NVM area.

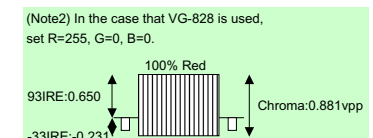
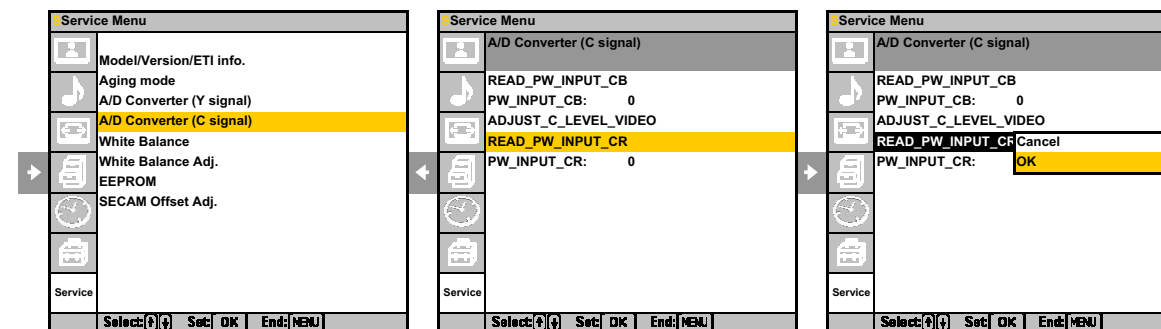
(7) Proceed as follows.



(8) Check that the detection value of "PW_INPUT_CB" is within the standard of following column.

Item	Standard
PW_INPUT_CB	210±2

(9) Input red full field with burst.

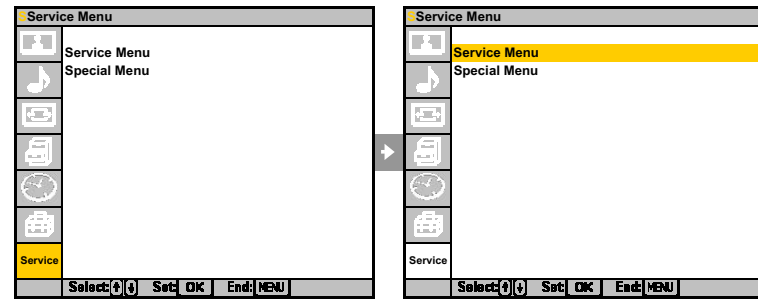


(10) Check that the detection value of "PW_INPUT_CR" is within the standard of following column.

Item	Standard
PW_INPUT_CR	210±2

3-2-4(a). Check AD calibration registration items

- (1) Select AV6 and input component 576i signal and change picture mode to 1(Custom).
- (2) GO TO service mode and press "MENU".



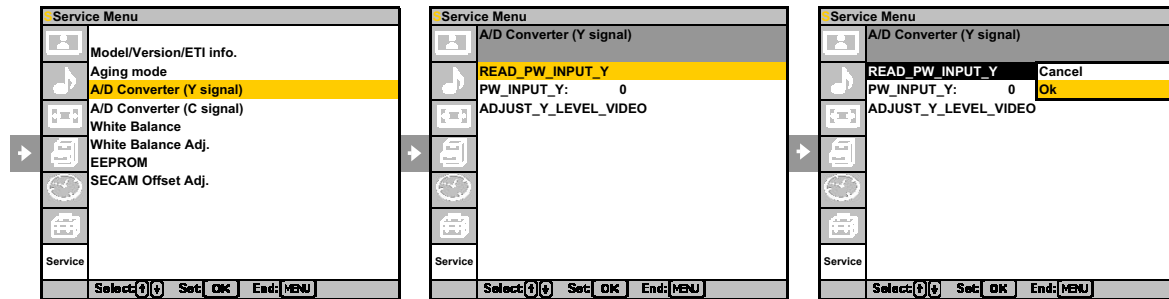
Black full field signal
When using a LEADER 408NPS,
set to 0 IRE, and turn "LUMINANCE" off.
Do not use the Luminance amplitude menu.

Signal output level (blue full field)
Y level should be 0.080Vpp
CB level should be 0.350Vpp

Signal output level (red full field)
Y level should be 0.209Vpp
CR level should be 0.350Vpp

3-2-5(a). Y signal AD calibration of component input

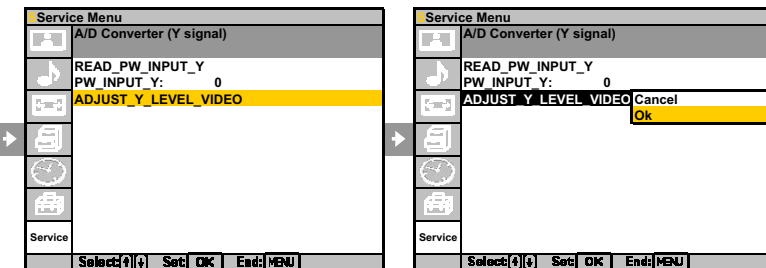
- (1) Input 0 IRE black full field with burst in AV6.
- (2) Proceed as follows.



- (3) Check that the detection value of "PW_INPUT_Y" is within the standard of following column.

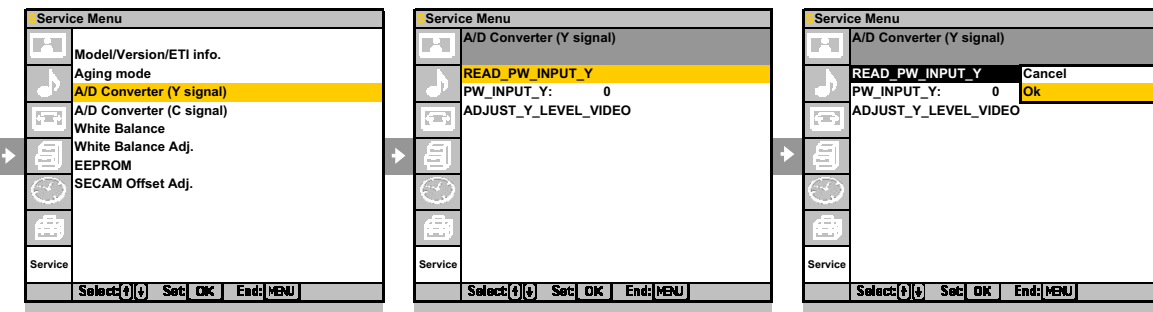
Item	Standard
PW_INPUT_Y	16±5

- (4) Input 100 IRE white full field with burst.



- (5) Adjustment value also is copied in the proper NVM area.

- (6) Proceed as follows.

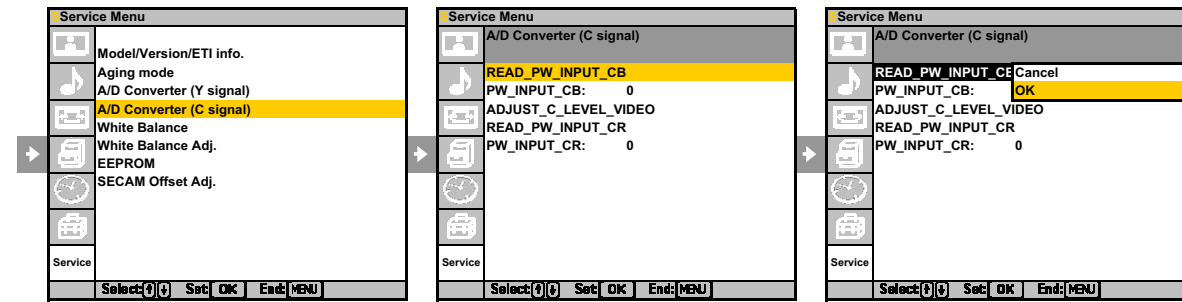


- (7) Check that the detection value of "PW_INPUT_Y" is within the standard of following column.

Item	Standard
PW_INPUT_Y	215±5

3-2-6(a). C signal AD calibration of component input

- (1) Input 0 IRE black full field with burst.
- (2) Proceed as follows.

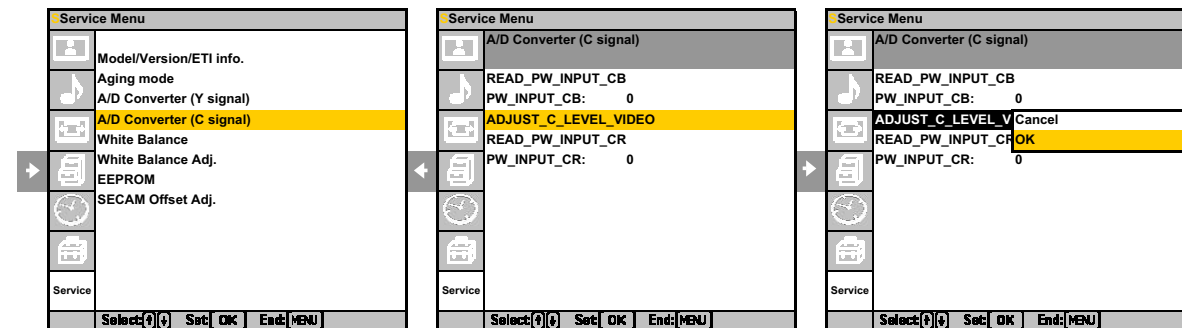


- (3) Check that the detection value of "PW_INPUT_CB" is within the standard of following column.

Item	Standard
PW_INPUT_CB	128±5

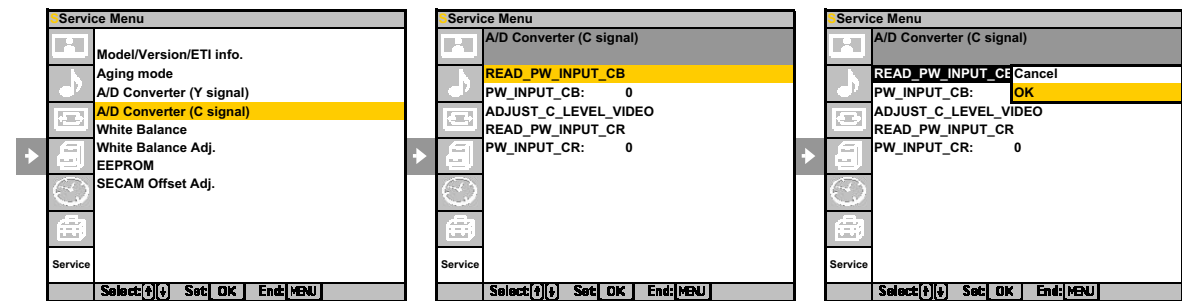
- (4) Input blue full field with burst.

- (5) Proceed as follows.



- (6) Adjustment value also is copied in the proper NVM area.

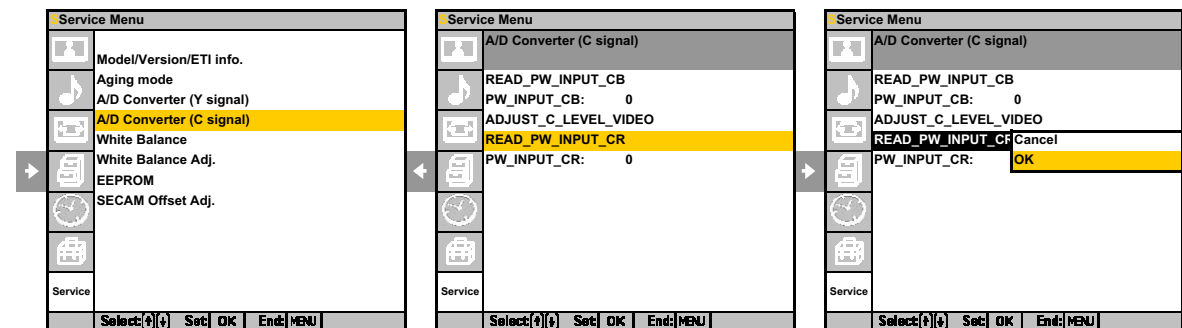
- (7) Proceed as follows.



- (8) Check that the detection value of "PW_INPUT_CB" is within the standard of following column.

Item	Standard
PW_INPUT_CB	210±2

- (9) Input red full field with burst.



- (10) Check that the detection value of "PW_INPUT_CR" is within the standard of following column.

Item	Standard
PW_INPUT_CR	210±2

3-3(a). WHITE BALANCE ADJUSTMENT (ALL AT2X except PDP W50)

3-3-1(a). White balance of Color temperature "Cool"

(1) White balance of Colour tone "Cool".

- 1) Select Video input.(AV1)
 - 2) Adjustment Settings
 - PICTURE_MODE = 2 (Custom)
 - ColorTone = 0(Cool)
 - Set data in right chart.
- caution: DONT DO ANY SAVE.
Input 70 IRE gray full field signal in Video input.

Items	Setting data
1	CONTRAST 100(Max)
2	BRIGHTNESS 50(Center)
3	DYNA_PICT 0(Off)
4	DC_TRAN 0
5	GAMMA 0
6	U_BACKLIGHT 10(Max)
7	ECO_MODE 1(Standard)
8	DCI 0(Off)

*Set in numerical order.

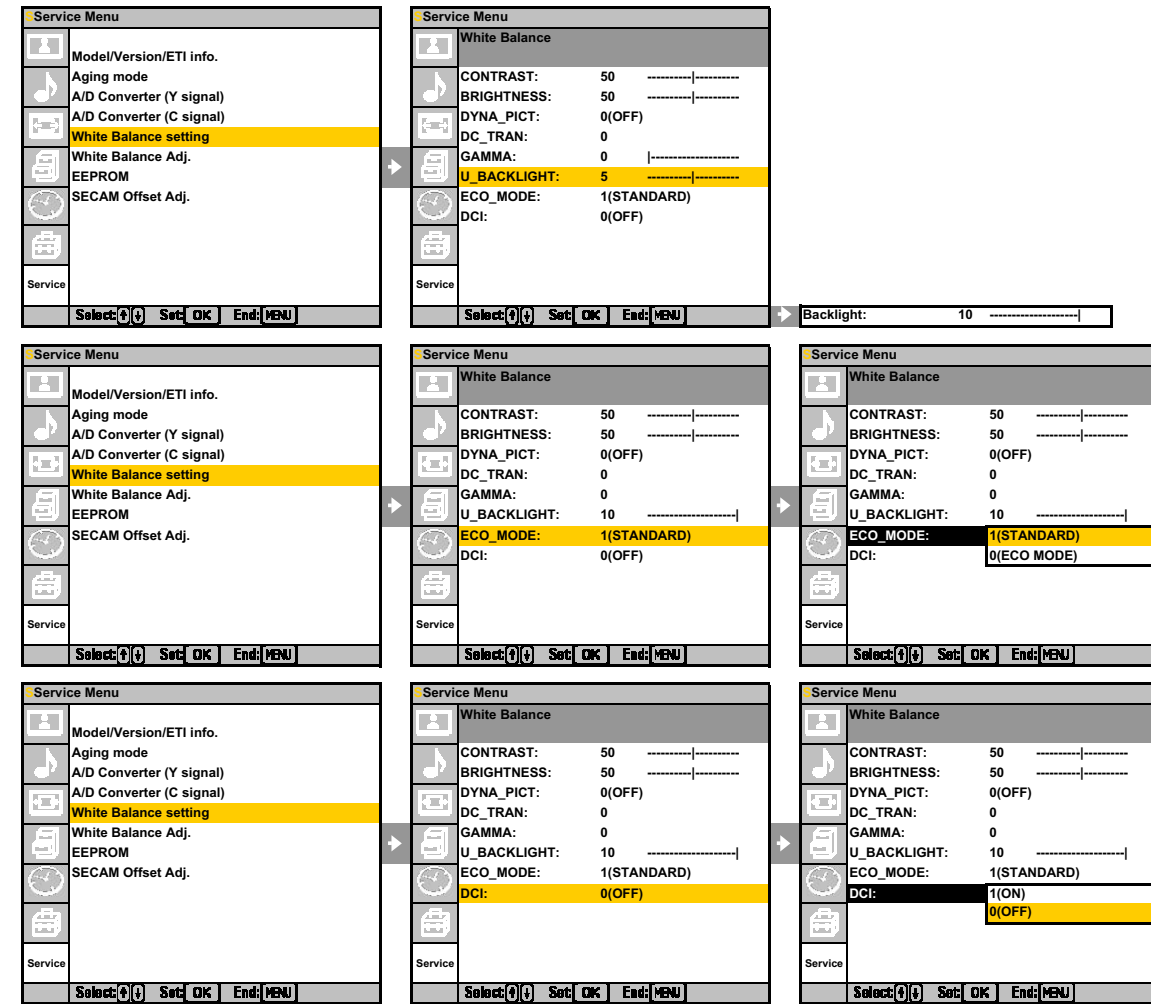
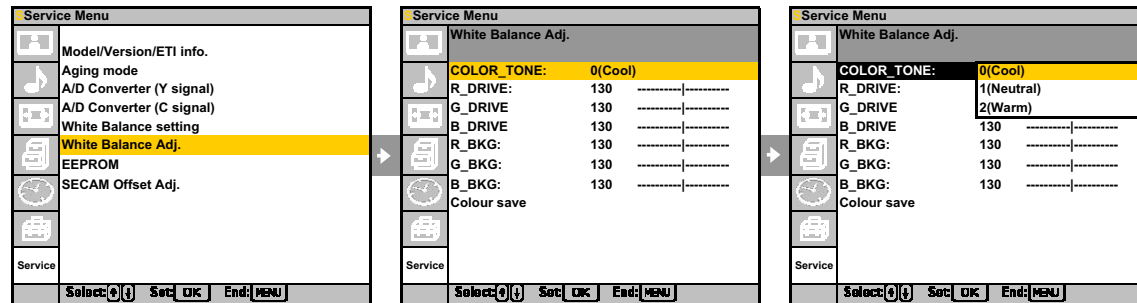
Initial Value	Items	Setting data
	R_DRIVE	128
	G_DRIVE	128(Fix)
	B_DRIVE	128
	R_BKG	128
	G_BKG	128
	B_BKG	128

High light adjustment value (for Cool)
= Official CollerTemp:12000K -6MPCD

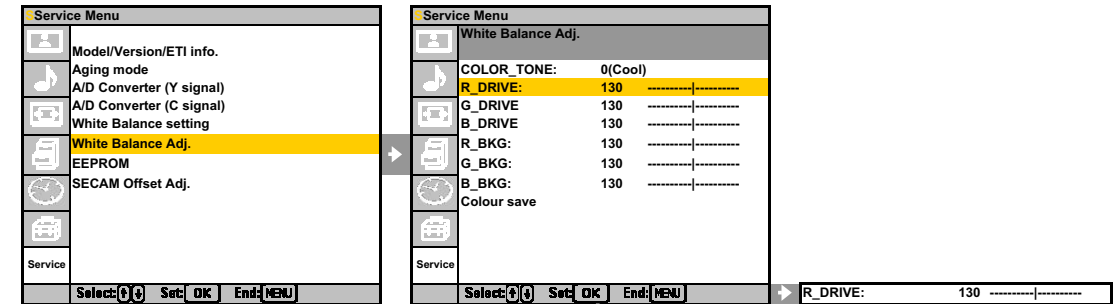
x	y
0.2728	0.2744

Low light adjustment value (for Cool)
= Official CollerTemp:12000K -6MPCD

x	y
0.2728	0.2744

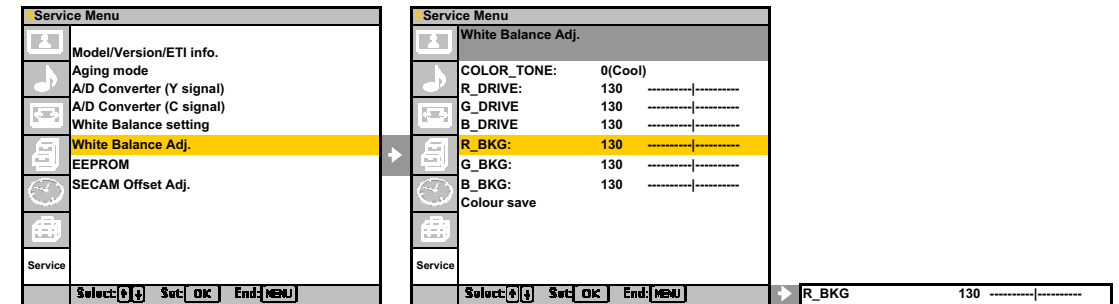


3) Adjust R_DRIVE, B_DRIVE until High light adjustment value.



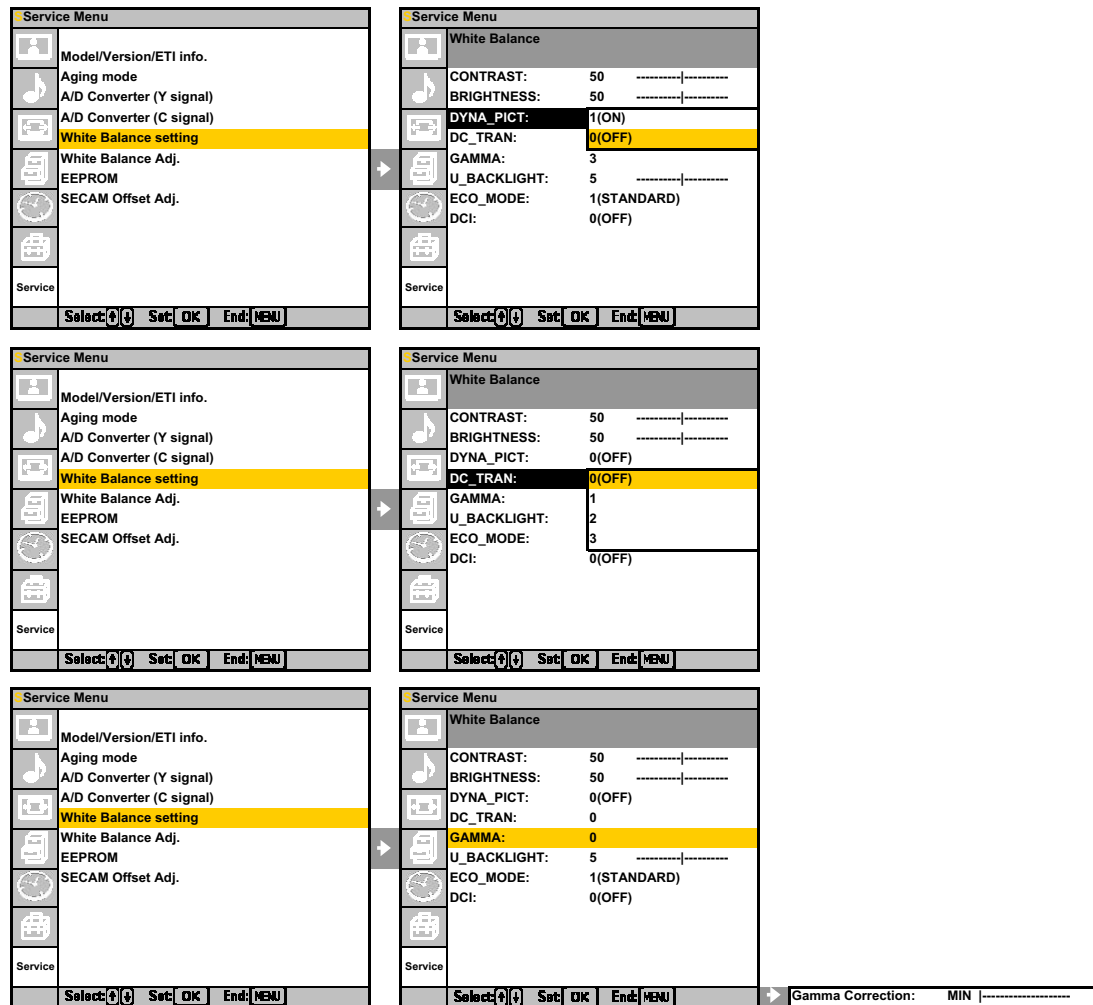
4) Input 20 IRE gray full field signal in Video input.

5) Adjust R_BKG, B_BKG until Low light adjustment value.

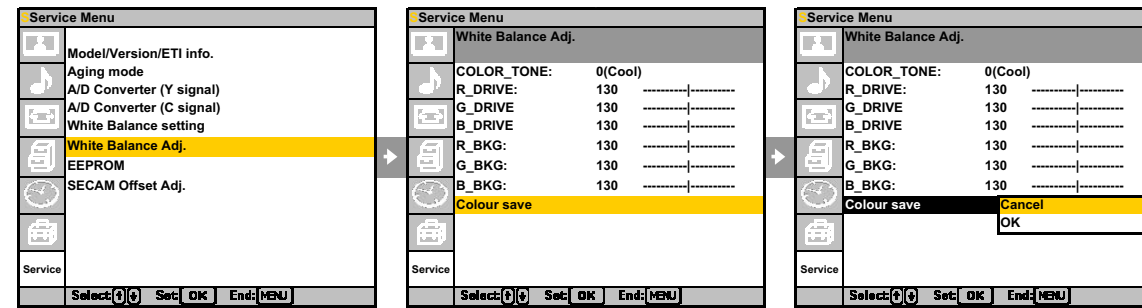


<case-1>
R_BKG=127 OK R_BKG=130 ->Shift-> 128
G_BKG=128 OK G_BKG=128 ->Shift-> 126
B_BKG=126 OK B_BKG=126 ->Shift-> 124

6) Repeat step 2) ~ 5)
until it is in High and Low light adjustment value.



7) Do "Color Save".



3-3-2(a) White balance of Colour tone "Neutral".

1) Select Video input.(AV1)

2) Adjustment Settings
-PICTURE_MODE = 2 (Custom)
-ColorTone = 1(Neutral)
-Set data in right chart.
caution: DONT DO ANY SAVE.
Input 70 IRE gray full field signal in Video input.

Items	Setting data
1	CONTRAST 100(Max)
2	BRIGHTNESS 50(Center)
3	DYNA_PICT 0(Off)
4	DC_TRAN 0
5	GAMMA 0
6	U_BACKLIGHT 10(Max)
7	ECO_MODE 1(Standard)
8	DCI 0(Off)

*Set in numerical order.

Items	Setting data
R_DRIVE	128
G_DRIVE	128(Fix)
B_DRIVE	128
R_BKG	128
G_BKG	128
B_BKG	128

High light adjustment value (for Neutral)
= Official ColletTemp:9300K 0MPCD

x	y
0.2848	0.2932

Low light adjustment value (for Neutral)
= Official ColletTemp:9300K 0MPCD

x	y
0.2848	0.2932

3) Adjust R_DRIVE, B_DRIVE until High light adjustment value.

4) Input 20 IRE gray full field signal in Video input.

5) Adjust R_BKG, B_BKG until Low light adjustment value.

<case-1>
R_BKG=127 OK R_BKG=130 ->Shift-> 128
G_BKG=128 OK G_BKG=128 ->Shift-> 126
B_BKG=126 OK B_BKG=126 ->Shift-> 124

6) Repeat step 2) ~ 5)
until it is in High and Low light adjustment value.

7) Do "Color Save".

3-3-3(a) White balance of Colour tone "Warm".

1) Select Video input.(AV1)

2) Adjustment Settings
-PICTURE_MODE = 2 (Custom)
-ColorTone = 2(Warm)
-Set data in right chart.
caution: DONT DO ANY SAVE.
Input 70 IRE gray full field signal in Video input.

Items	Setting data
1	CONTRAST 100(Max)
2	BRIGHTNESS 50(Center)
3	DYNA_PICT 0(Off)
4	DC_TRAN 0
5	GAMMA 0
6	U_BACKLIGHT 10(Max)
7	ECO_MODE 1(Standard)
8	DCI 0(Off)

*Set in numerical order.

Items	Setting data
R_DRIVE	128
G_DRIVE	128(Fix)
B_DRIVE	128
R_BKG	128
G_BKG	128
B_BKG	128

High light adjustment value (for Warm)
= Official ColletTemp:6500 0MPCD

x	y
0.3135	0.3236

Low light adjustment value (for Warm)
= Official ColletTemp:7000 0MPCD

x	y
0.3063	0.3165

3) Adjust R_DRIVE, B_DRIVE until High light adjustment value.

4) Input 20 IRE gray full field signal in Video input.

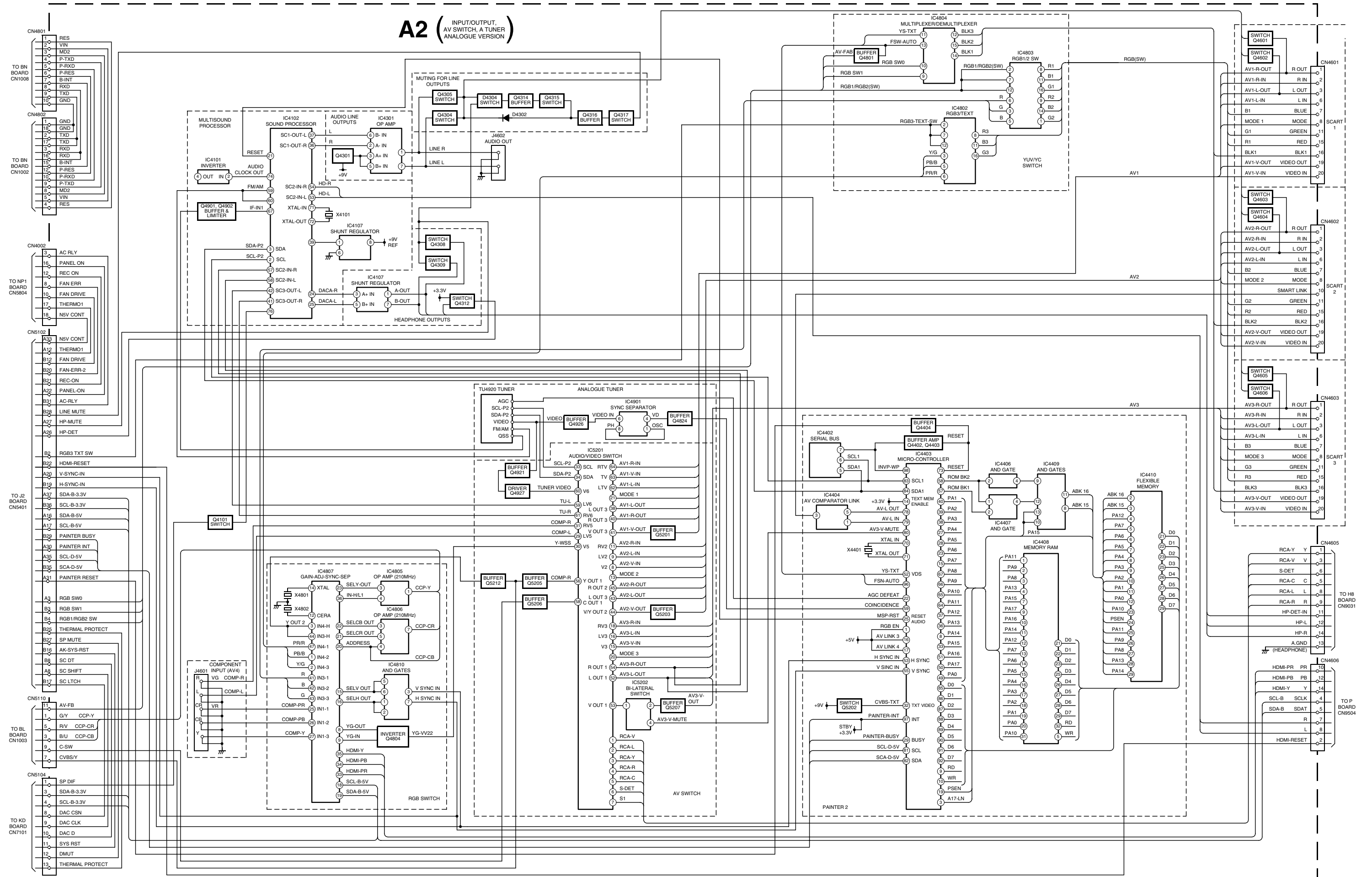
5) Adjust R_BKG, B_BKG until Low light adjustment value.

<case-1>
R_BKG=127 OK R_BKG=130 ->Shift-> 128
G_BKG=128 OK G_BKG=128 ->Shift-> 126
B_BKG=126 OK B_BKG=126 ->Shift-> 124

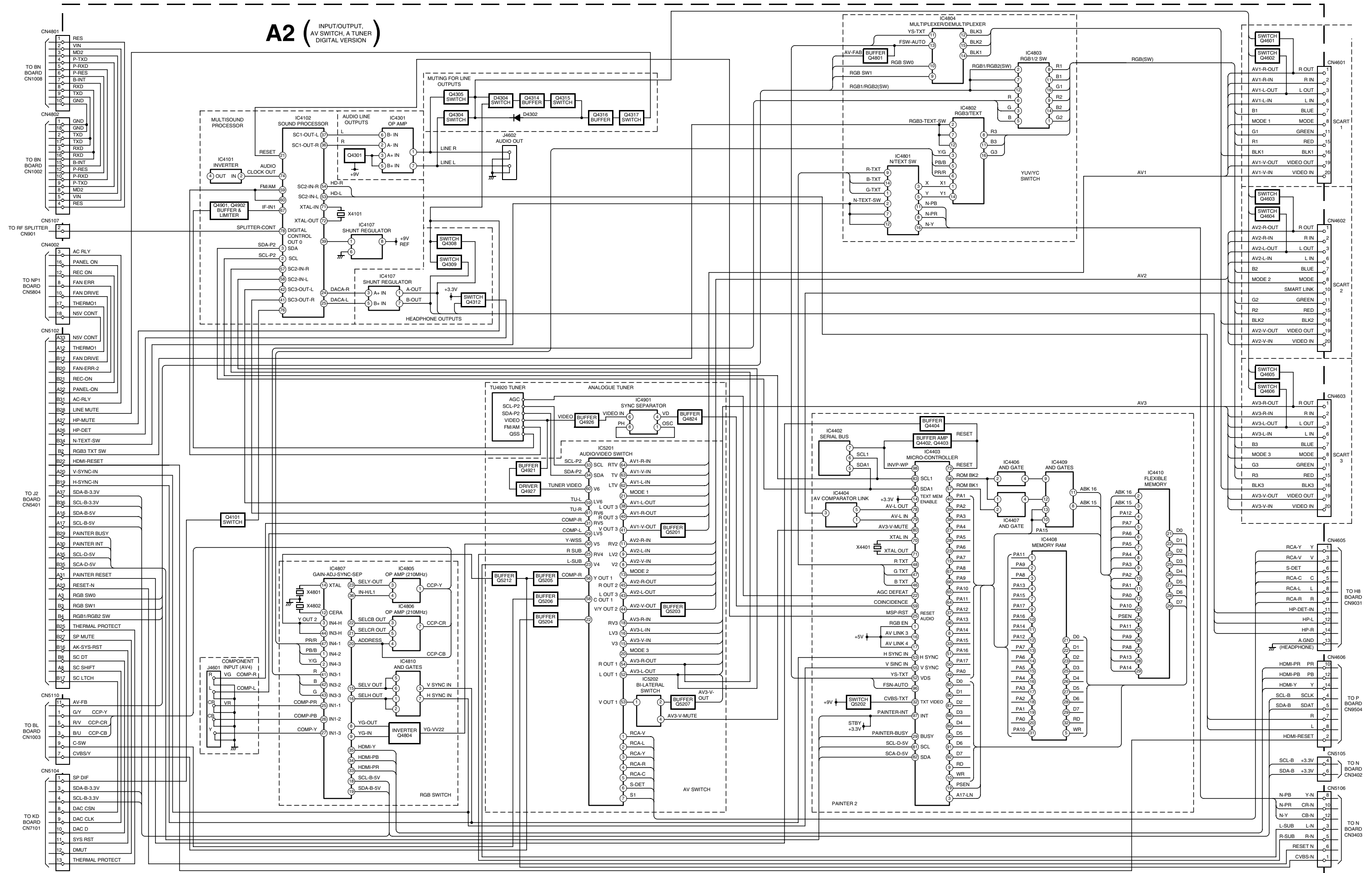
6) Repeat step 2) ~ 5)
until it is in High and Low light adjustment value.

7) Do "Color Save".

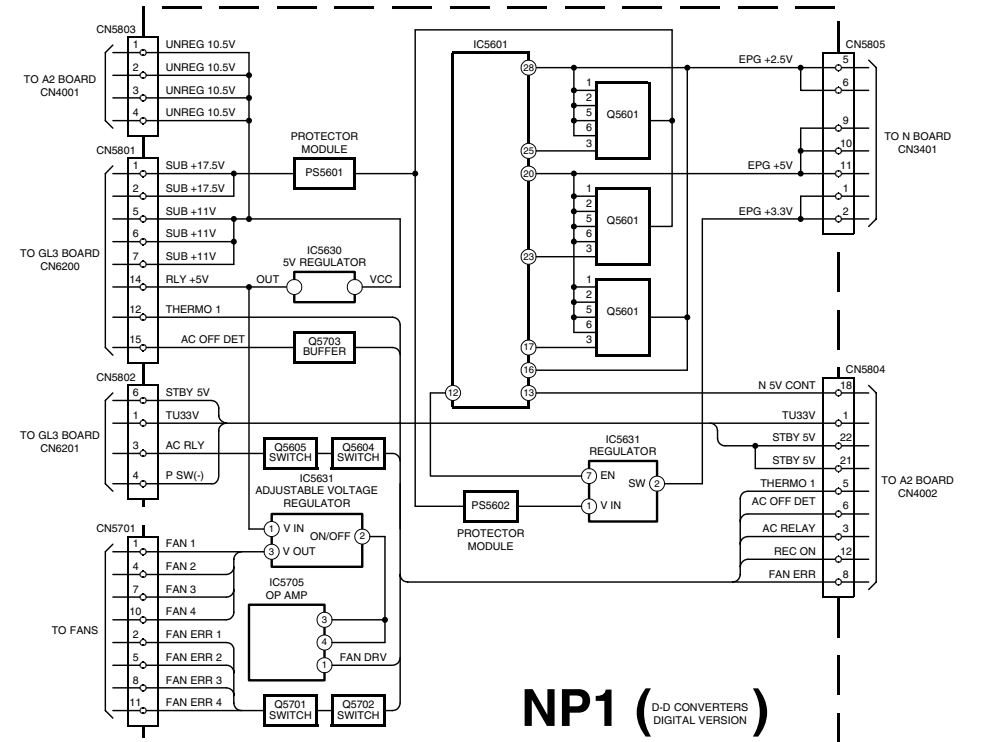
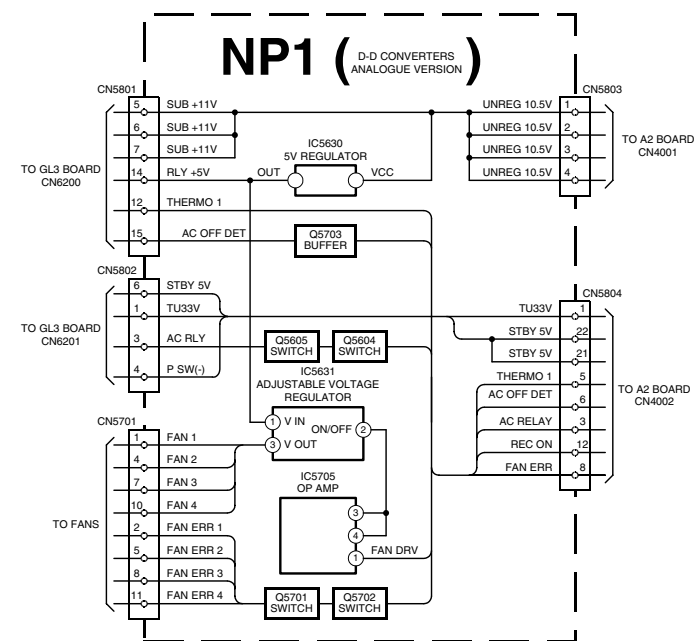
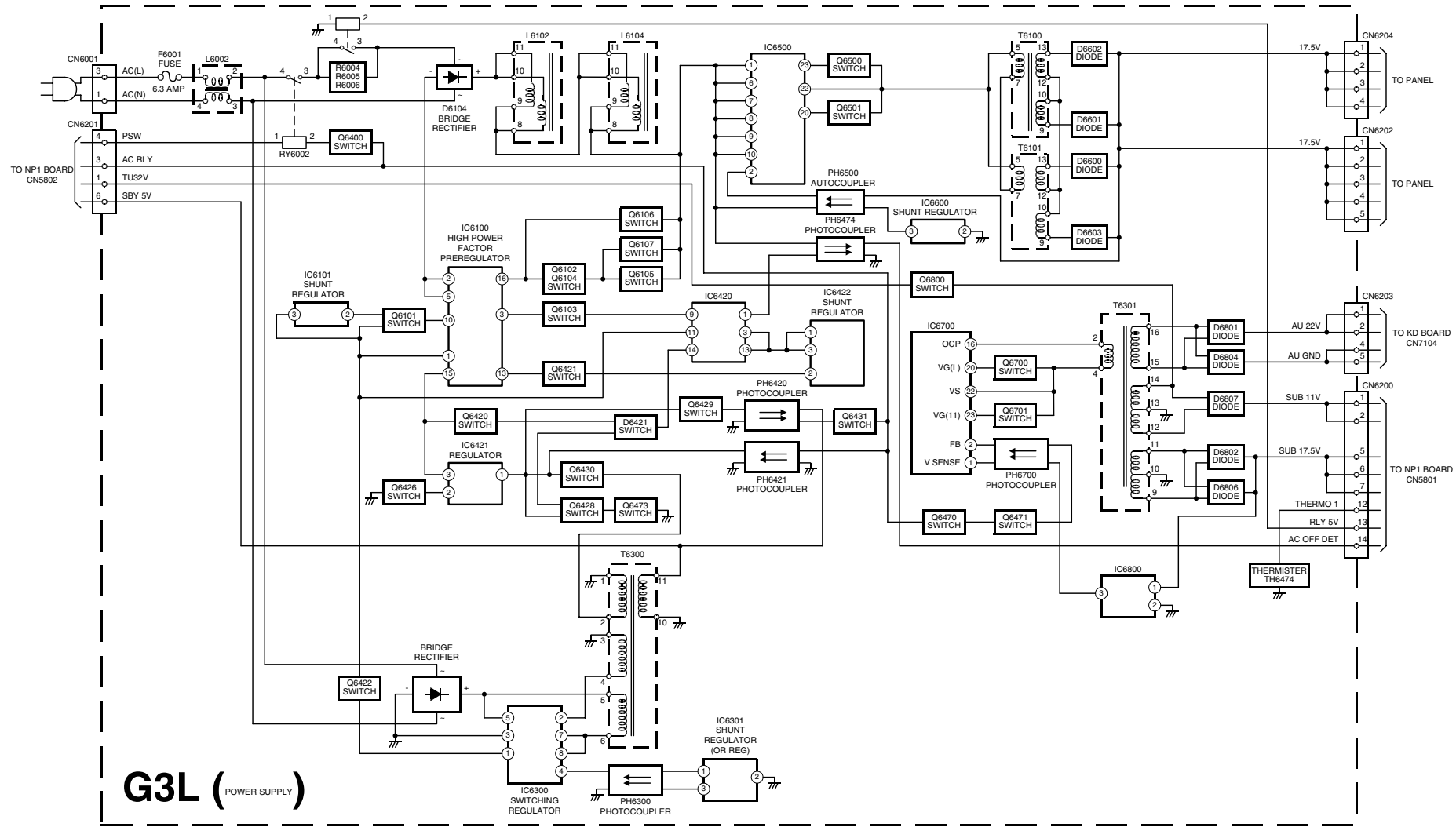
4-1. BLOCK DIAGRAMS (1)



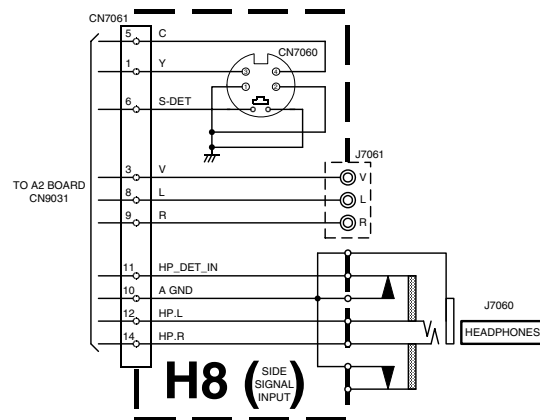
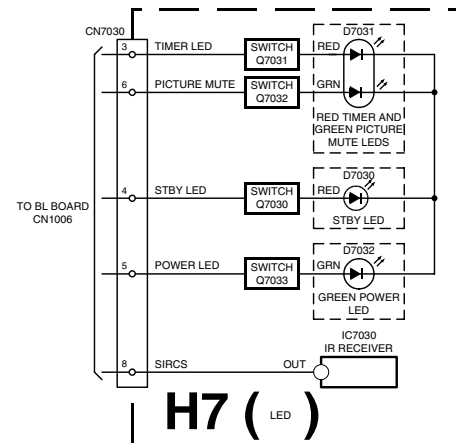
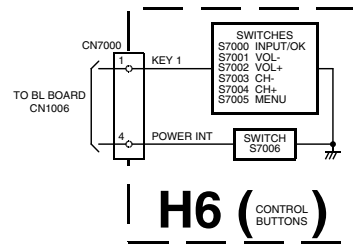
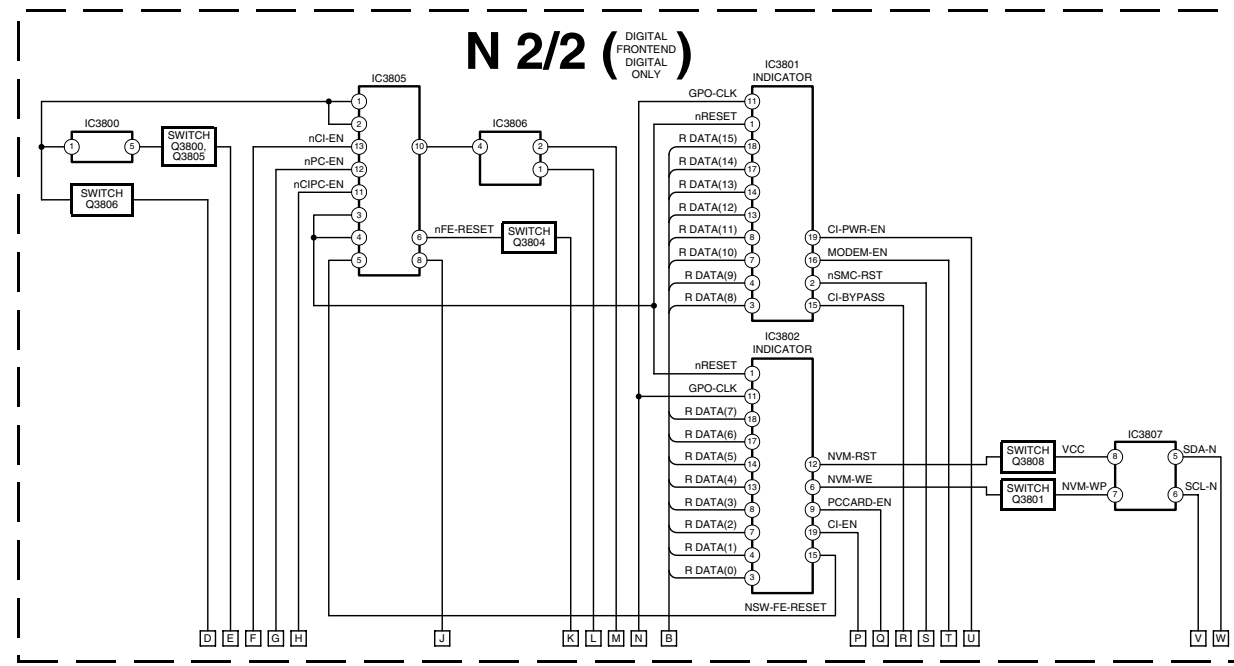
4-1. BLOCK DIAGRAMS (2)



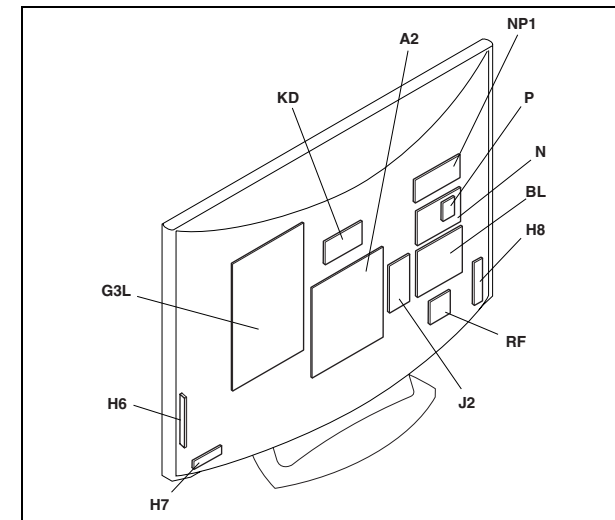
4-1. BLOCK DIAGRAMS (3)



4-1. BLOCK DIAGRAMS (5)



4-2. CIRCUIT BOARD LOCATION



4-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted.
- pF : $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
- k = 1000 ohms, M = 1000,000 ohms

- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerances.

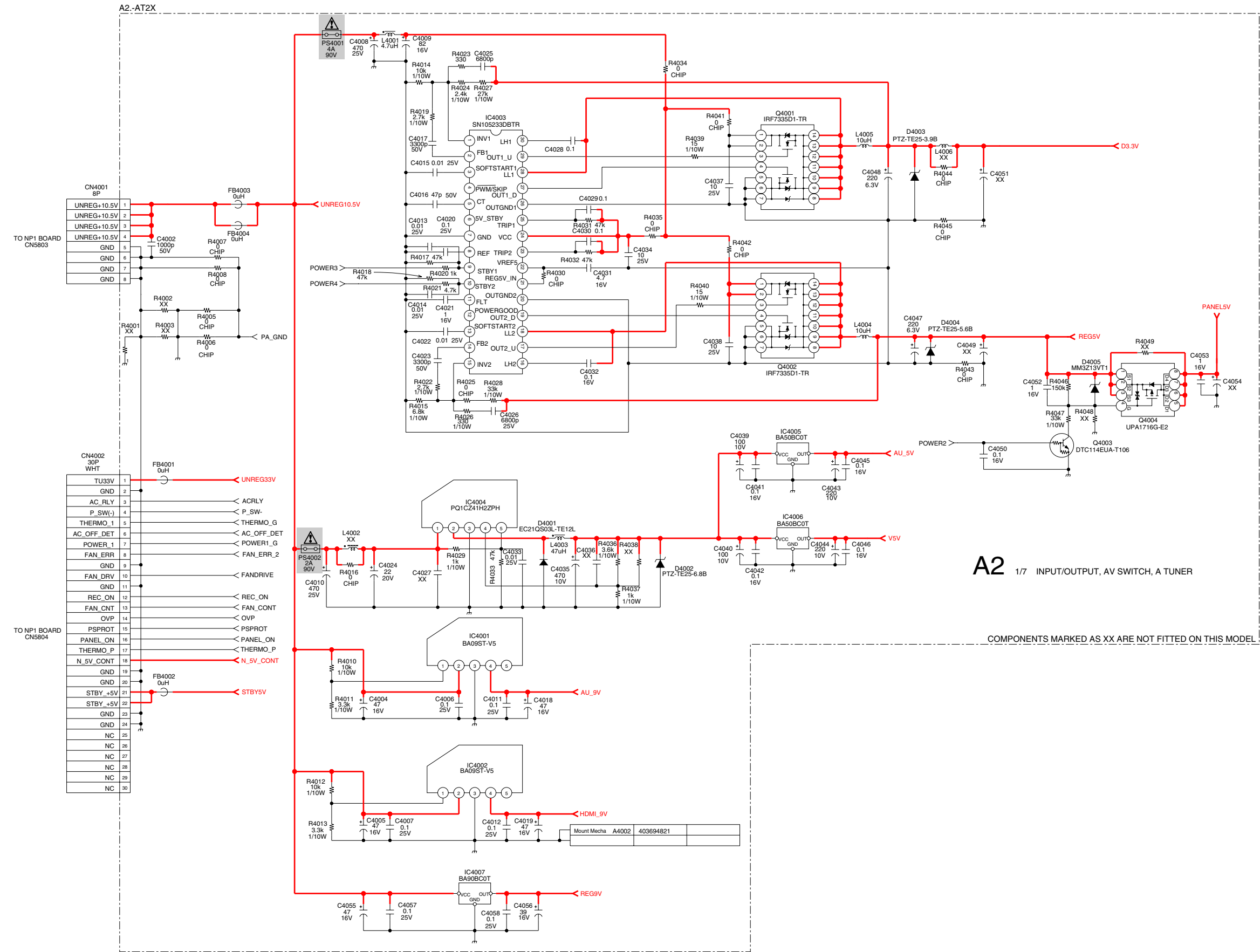
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

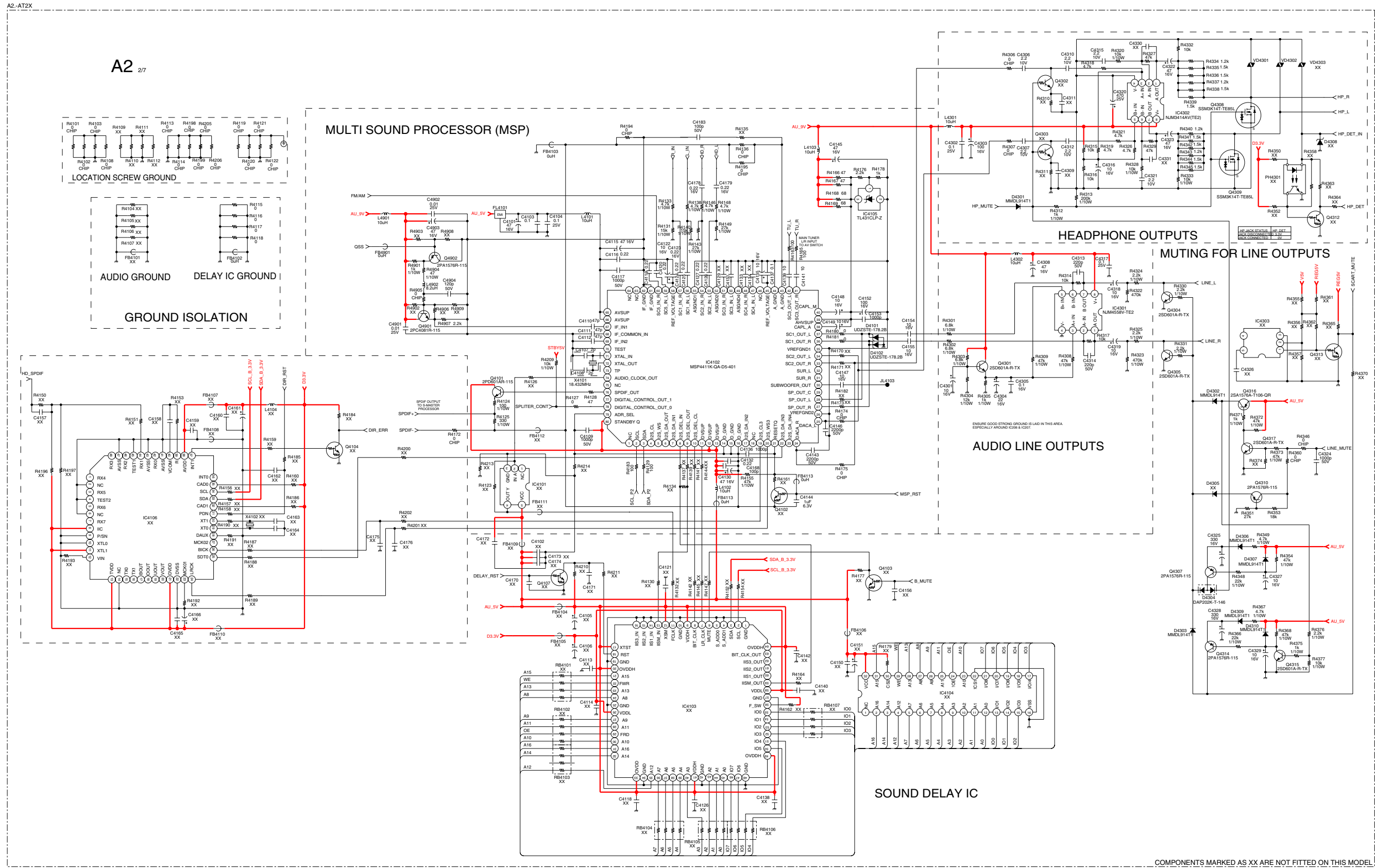
Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

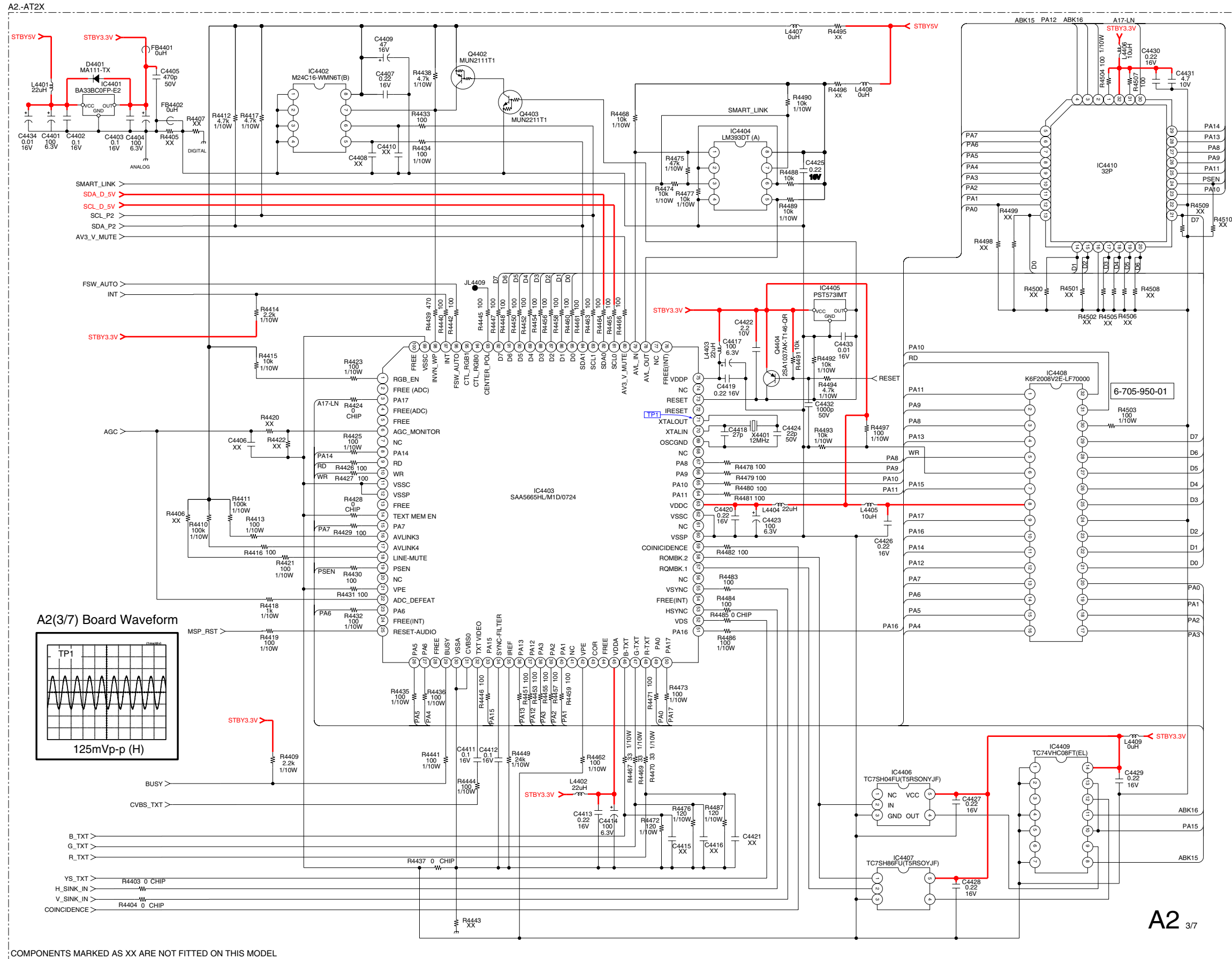


A2 1/7 INPUT/OUTPUT, AV SWITCH, A TUNER

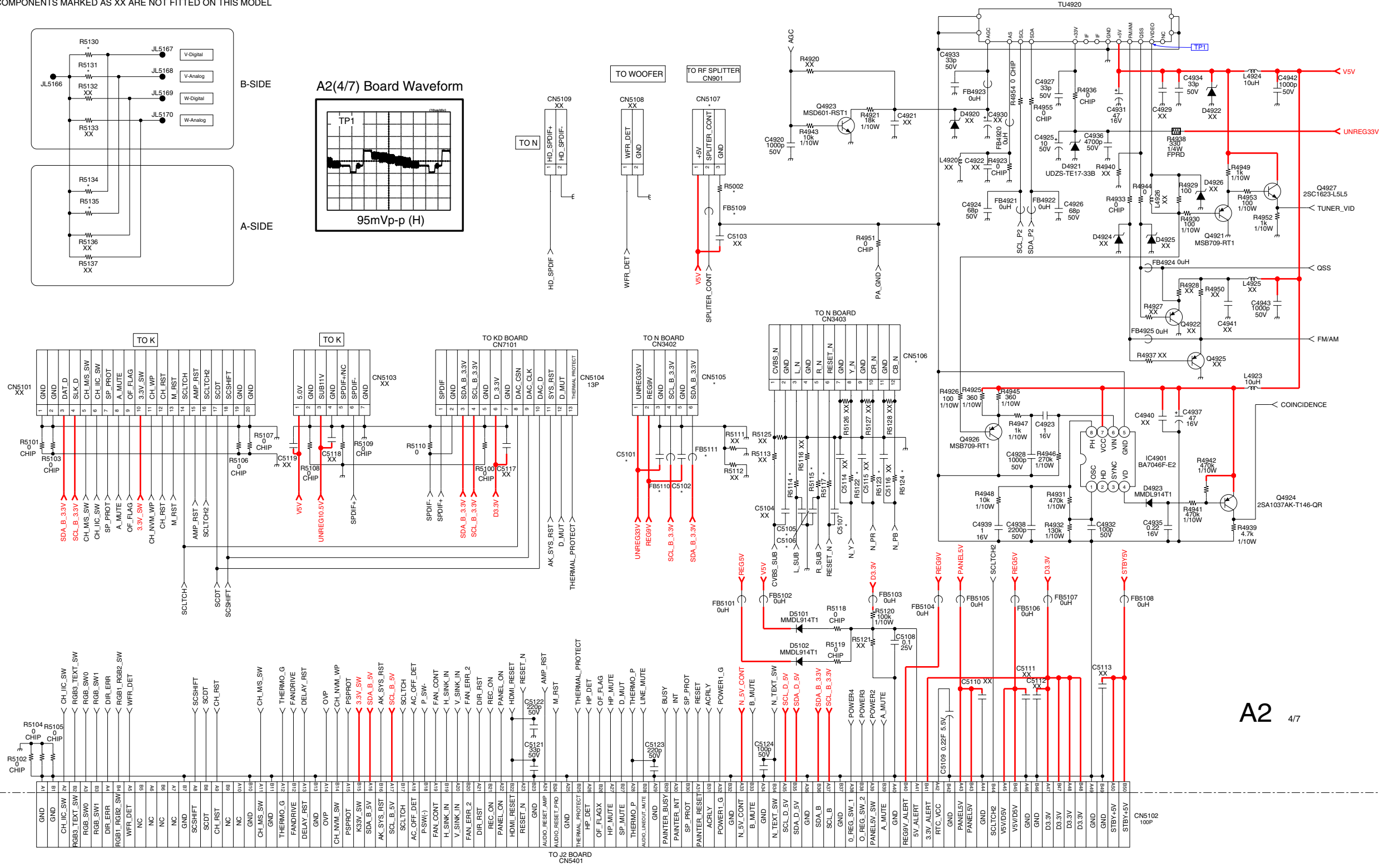
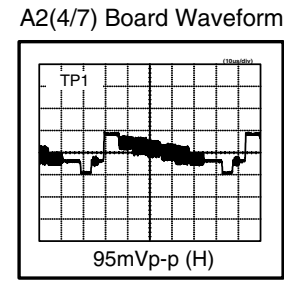
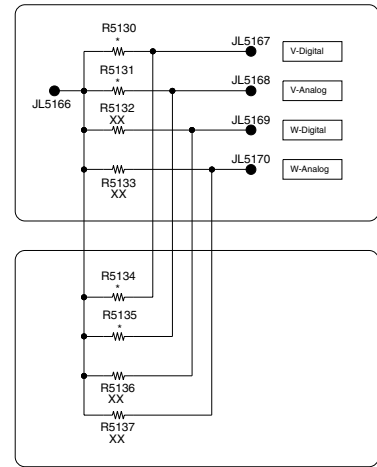
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL.



COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



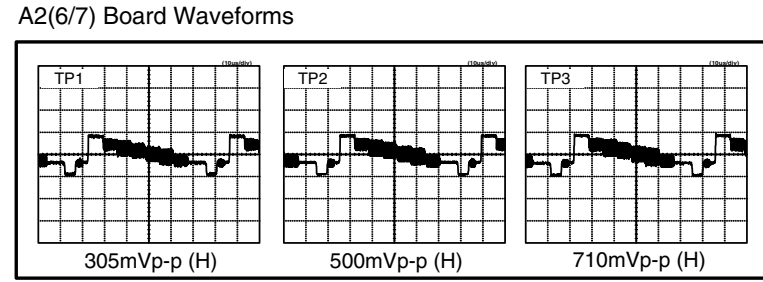
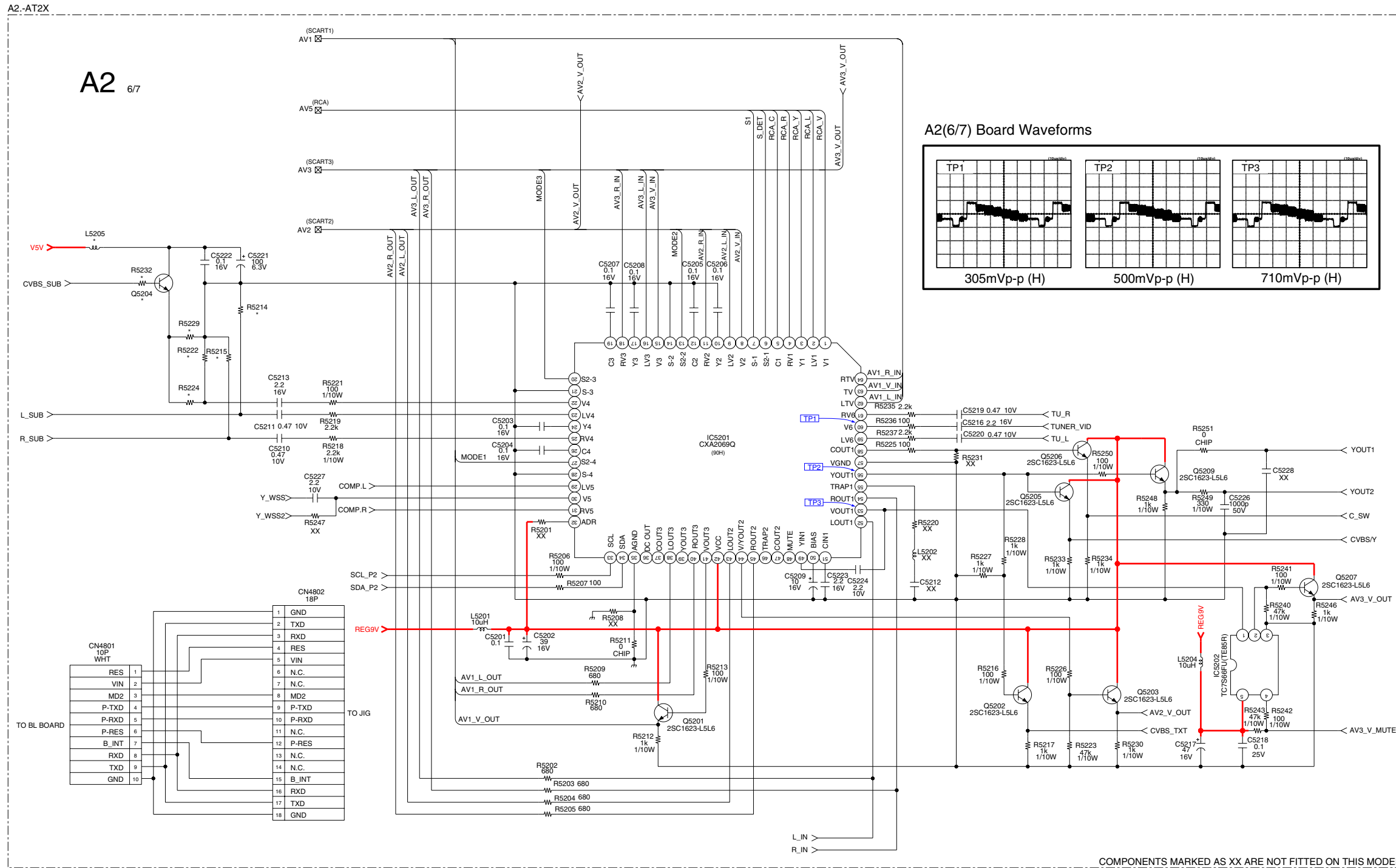
A2.-AT2X
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

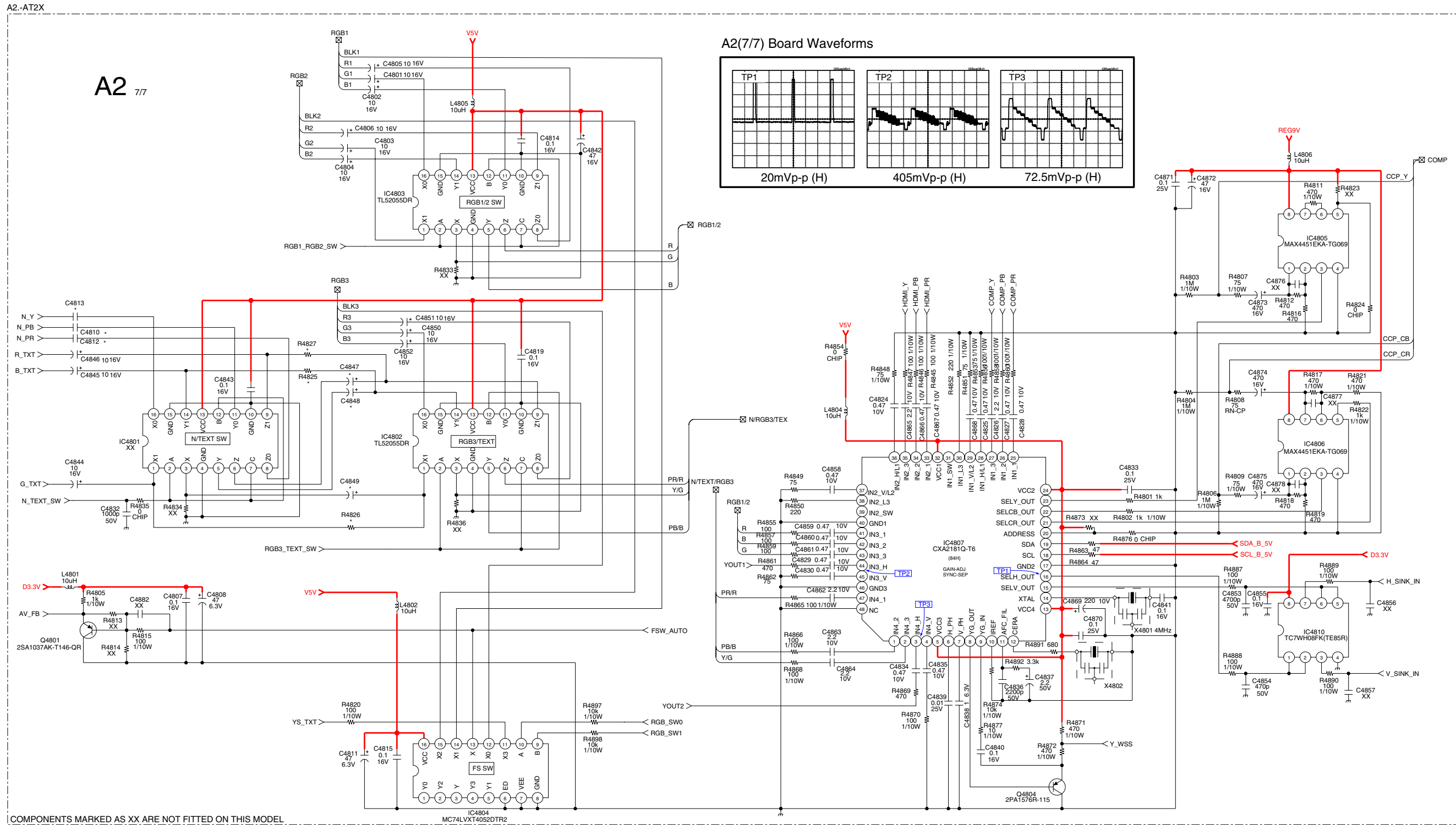


A2 4/7



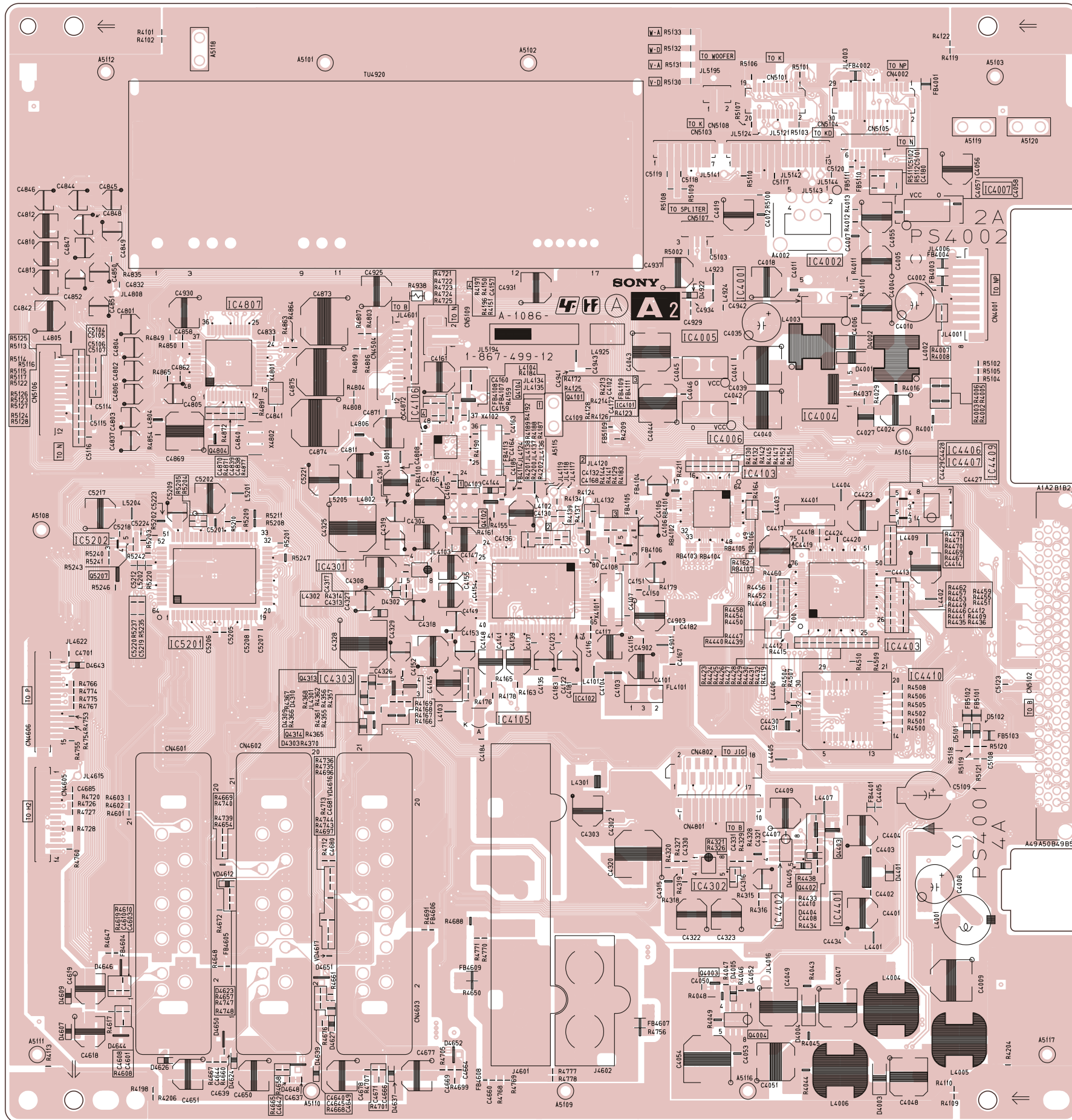
~ A2 Board Schematic Diagram [Input/Output, AV Switch, A Tuner] Page 5/7 ~





A B C D E F G H I J K L M N O

~ A2 Printed Wiring Board Conductor Side A ~



~ A2 Board Semiconductor Location Table Side A ~

DIODE		IC4006	G - 5
D4001	H - 4	IC4007	J - 3
D4002	H - 4	IC4102	F - 7
D4004	H - 10	IC4105	G - 3
D4005	G - 9	IC4301	D - 6
D4302	D - 6	IC4302	G - 8
D4303	C - 7	IC4401	H - 9
D4309	C - 7	IC4402	H - 9
D4310	C - 7	IC4403	I - 6
D4401	H - 8	IC4406	I - 5
D4607	A - 10	IC4407	I - 5
D4609	A - 10	IC4409	I - 5
D4623	C - 9	IC4410	I - 7
D4624	C - 10	IC4807	C - 4
D4626	B - 10	IC5201	B - 6
D4627	C - 10	IC5202	B - 6
D4637	D - 10	TRANSISTOR	
D4639	C - 10	Q4003	G - 9
D5101	I - 7	Q4004	G - 10
D5102	I - 7	Q4101	F - 4
IC		Q4314	C - 7
IC4001	G - 3	Q4402	H - 8
IC4002	H - 3	Q4403	H - 8
IC4004	H - 4	Q4804	C - 5
IC4005	G - 4	Q5207	B - 6

~ A2 Board Semiconductor Voltage Table Side A ~

Ref	(e)(s)	(b)(g)	(c)(d)
Q4003	0	3.3	0
Q4101	2.3	2.5	4.9
Q4314	4.8	4.9	0
Q4402	5.0	5.0	5.0
Q4403	0	0	5.0
Q4804	3.0	2.4	0
Q5207	3.8	4.2	9.0

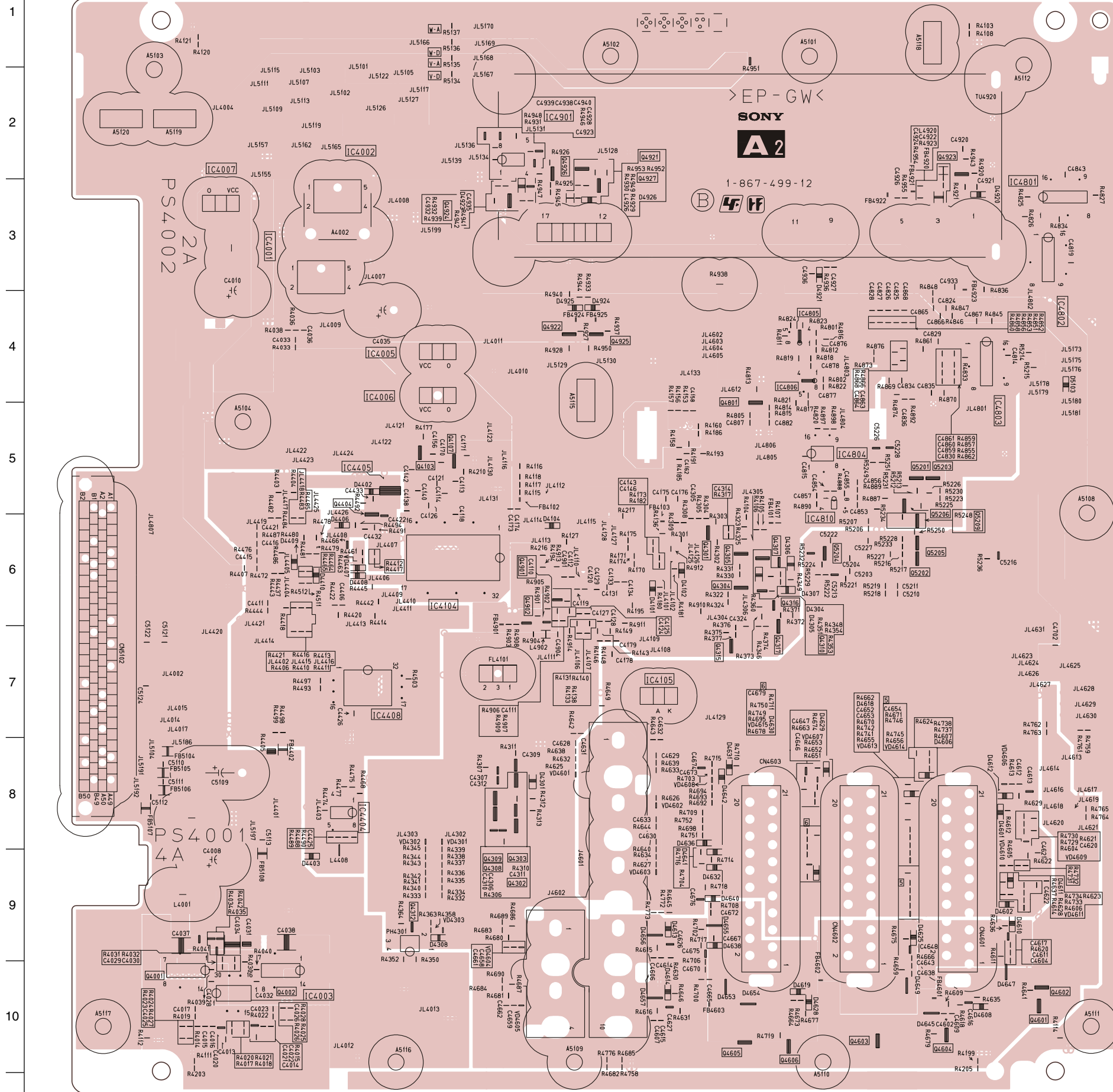
~ A2 Board Difference Table ~

Ref	KDL-V40A12U	KLV-V40A10E
C4810	10uF 20% 16V	NOT FITTED
C4812	10uF 20% 16V	NOT FITTED
C4813	10uF 20% 16V	NOT FITTED
C4847	10uF 20% 16V	NOT FITTED
C4848	10uF 20% 16V	NOT FITTED
C4849	10uF 20% 16V	NOT FITTED
C5101	0.01uF 50V	NOT FITTED
C5102	0.01uF 10% 25V	NOT FITTED
C5105	0.1uF 25V	NOT FITTED
C5106	0.1uF 25V	NOT FITTED
C5107	0.1uF 25V	NOT FITTED
CN5105	6P	NOT FITTED
CN5106	12P	NOT FITTED
CN5107	3P	NOT FITTED
FB5109	0uH	NOT FITTED
FB5110	0uH	NOT FITTED
FB5111	0uH	NOT FITTED
IC4801	TL52055DR	NOT FITTED
L5205	10uH	NOT FITTED
Q5204	2SC1623-L5L6	NOT FITTED
R4825	NOT FITTED	0
R4826	NOT FITTED	0
R4827	NOT FITTED	0
R5002	0	NOT FITTED
R5113	0	NOT FITTED
R5114	0	NOT FITTED
R5115	0	NOT FITTED
R5117	0	NOT FITTED
R5122	0	NOT FITTED
R5123	0	NOT FITTED
R5124	0	NOT FITTED
R5130	0	NOT FITTED
R5131	NOT FITTED	0
R5134	0	NOT FITTED
R5135	NOT FITTED	0
R5214	NOT FITTED	0
R5215	NOT FITTED	0
R5222	NOT FITTED	0
R5224	0	NOT FITTED
R5229	470 5% 1/10W	NOT FITTED
R5232	0	NOT FITTED

~ A2 Board IC Voltage Table ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC4001	1	2.8	IC4102	38	6.8	IC4301	5-7	5.0	IC4410	27	2.0	IC4807	32	5.0	IC5201	24	3.9
	3	0		39	8.1		8	9.1		28	0.3		33-35	2.2		25-26	4.5
	5	0		40	6.9	IC4302	1-3	4.6		29	1.8		36-37	1.0		27-28	0
IC4002	1	2.8		41-42	1.4		4	0		30	0		38	0		29	4.5
	2	11.9		43-44	0	5-7	4.6	31-32		3.3	39		2.4	30		4.3	
	3	0		45	3.8	8	9.1	IC4807		1	2.2		40	0		31	4.5
4	9.1	46		0	IC4402	1-4	0		2	2.5	41-43	2.2	32	0			
5	0	47-48		3.8		5-6	4.7		3	2.0	44	1.9	33-34	4.6			
IC4004	1	11.9		49	0	7-8	5.0		4	1.0	45	1.0	35	0			
	2	5.9		50-51	3.8	IC4410	1		3.3	5	5.0	46	0	36-38	4.5		
	3	0		52	0		2-3		0	6	3.4	47	2.3	39	3.7		
4	1.3	53-54		3.8	4-5		1.7	7	2.4	48	0	40-41	4.5				
5	11.3	55	0	6	2.1		8	2.5	IC5201	1	3.9	42	9.0				
IC4102	1	0	56-57	3.8	7		1.9	9		3.3	IC4807	2	4.5	IC5201	43-45	4.5	
	2	4.6	58	2.7	8		2.0	10		1.0		3	3.9		46	3.7	
	3	4.7	59-60	3.8	9-10	1.8	11	3.0		4-5		4.5	47		4.5		
	4-11	0	61-64	0	11	2.0	12	1.6		6		0	48		0		
	12-13	4.9	65-66	5.0	12	1.9	13	5.0		7		4.9	49		4.9		
	14-20	0	67-68	1.6	13-14	1.5	14	2.8	8	3.9		50-54	4.5				
	21	4.8	69-70	0	IC4410	15	1.4	15	0	9	4.5	55	3.7				
	22-23	0	71	2.3		16	0	16	0.5	10	3.9	56	4.0				
	24-25	0.5	72	2.1		17	1.3	17	0	11-12	4.5	57	0				
	26	0	73	0		18	1.4	18-19	4.9	13-14	0	58	4.4				
	27-28	0.4	74	2.3		19	1.6	20	0	15	3.9	59	4.5				
	29	0	75	0		20	1.7	21-23	2.3	16	4.5	60	4.3				
30	0.4	76	2.5	21	1.8	24	5.0	17	3.9	61-62	4.5						
31-32	0	77-79	0	22	0	25-27	2.2	18-19	4.5	63	3.9						
33-34	3.8	80	4.9	23	0.7	28-29	1.0	20-21	0	64	4.5						
35	0	IC4301	1-3	5.0	24	1.7	30	0	22	4.3	IC5202	1-2	4.4				
36-37	3.8		4	0	25-26	1.8	31	2.5	23	4.5		4-5	9.0				

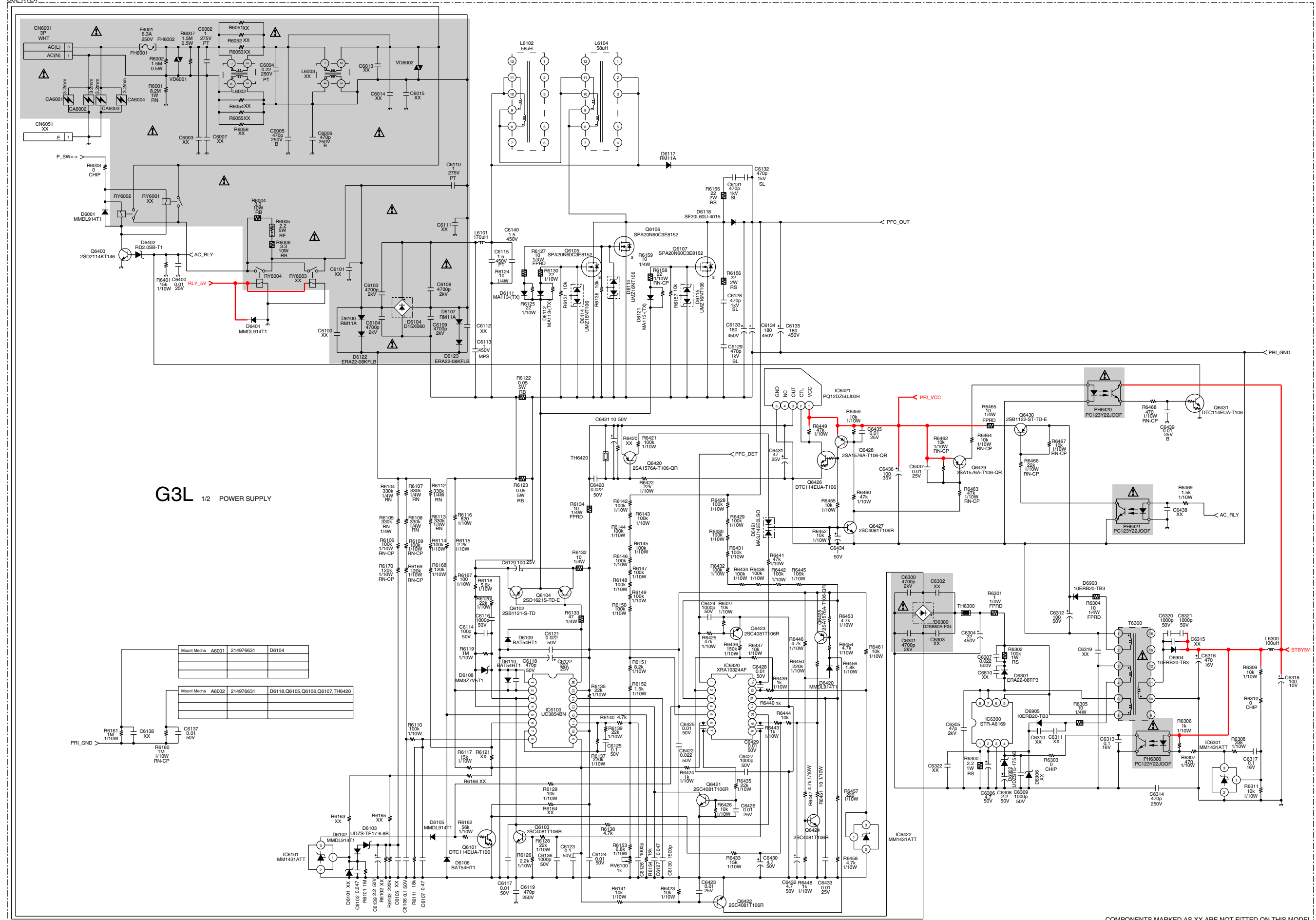
~ A2 Printed Wiring Board Conductor Side B ~



~ A2 Board Semiconductor Location Table Side B ~

DIODE	D4640	G - 9	Q4301	G - 6	
D4101	F - 6	D4641	F - 9	Q4304	G - 6
D4102	F - 6	D4921	H - 4	Q4305	G - 6
D4301	E - 8	D4923	D - 3	Q4307	G - 6
D4304	G - 6	IC		Q4308	E - 9
D4306	G - 6	IC4001	C - 3	Q4309	E - 9
D4307	H - 6	IC4002	C - 2	Q4310	H - 7
D4407	C - 6	IC4003	C - 10	Q4315	G - 7
D4410	C - 6	IC4005	D - 4	Q4316	G - 6
D4601	I - 8	IC4006	D - 4	Q4317	G - 7
D4602	I - 9	IC4007	B - 2	Q4404	C - 5
D4606	I - 8	IC4105	F - 7	Q4801	G - 4
D4608	I - 10	IC4404	C - 8	Q4901	E - 6
D4610	I - 9	IC4405	C - 5	Q4902	E - 6
D4611	J - 9	IC4408	D - 7	Q4921	F - 2
D4613	F - 9	IC4801	I - 3	Q4923	I - 2
D4614	F - 10	IC4802	J - 4	Q4924	D - 3
D4618	H - 7	IC4803	I - 4	Q4926	E - 2
D4619	G - 10	IC4804	H - 5	Q4927	F - 3
D4625	H - 9	IC4805	H - 4	Q5201	I - 5
D4628	G - 10	IC4806	G - 4	Q5202	H - 6
D4630	G - 7	IC4810	H - 6	Q5203	I - 5
D4631	G - 8	IC4901	E - 2	Q5204	H - 6
D4632	G - 9	TRANSISTOR		Q5205	I - 6
D4636	F - 9	Q4001	B - 10	Q5206	I - 5
D4638	G - 9	Q4002	C - 10	Q5209	I - 6

A B C D E F G H I J K L M N O



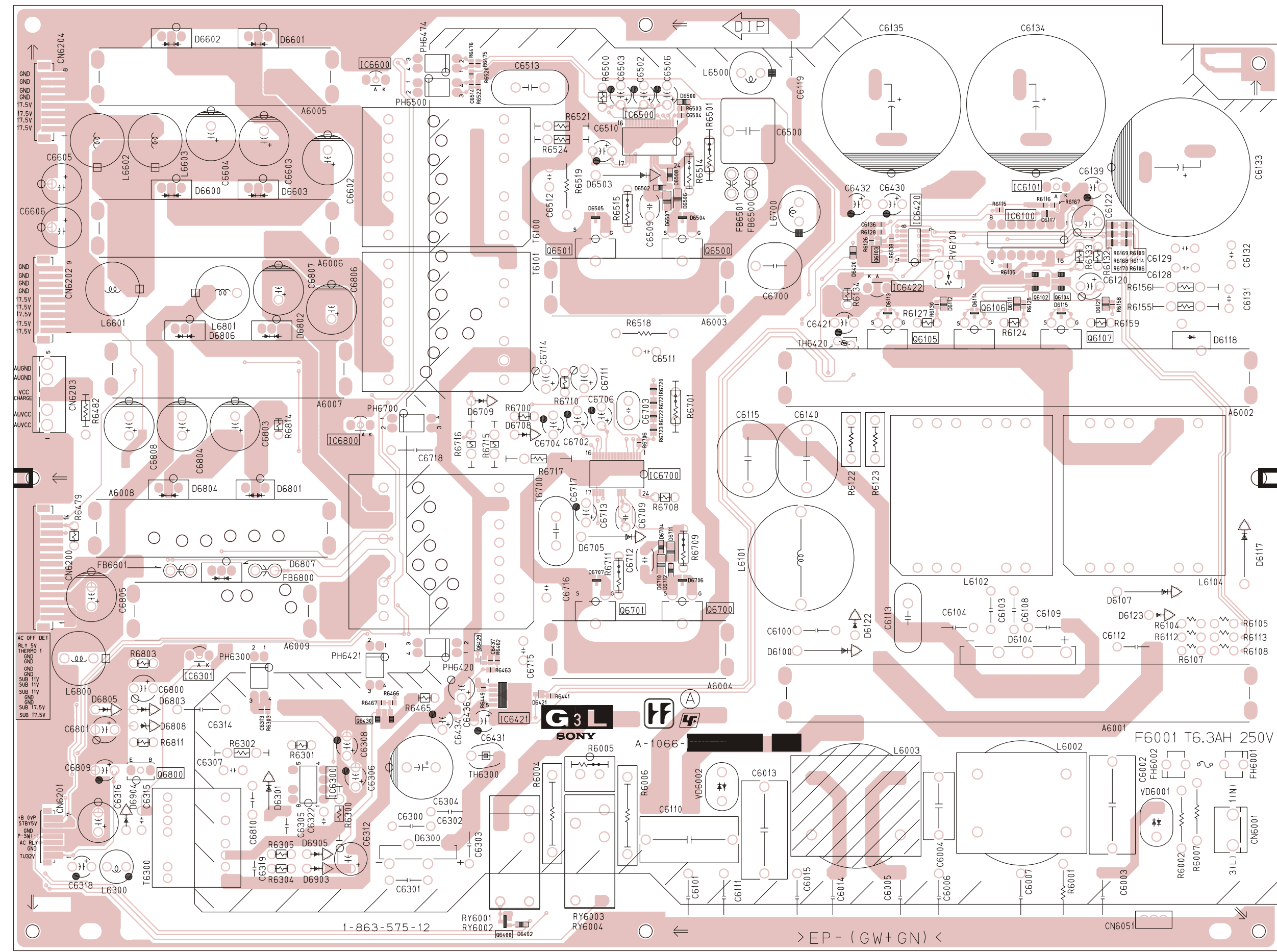
G3L 1/2 POWER SUPPLY

Mount Mecha	A6001	214976631	D6104
Mount Mecha	A6002	214976631	D6118, Q6105, Q6106, Q6107, TH6420

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL.

A B C D E F G H I J K L M N O

~ G3L Printed Wiring Board Conductor Side A ~



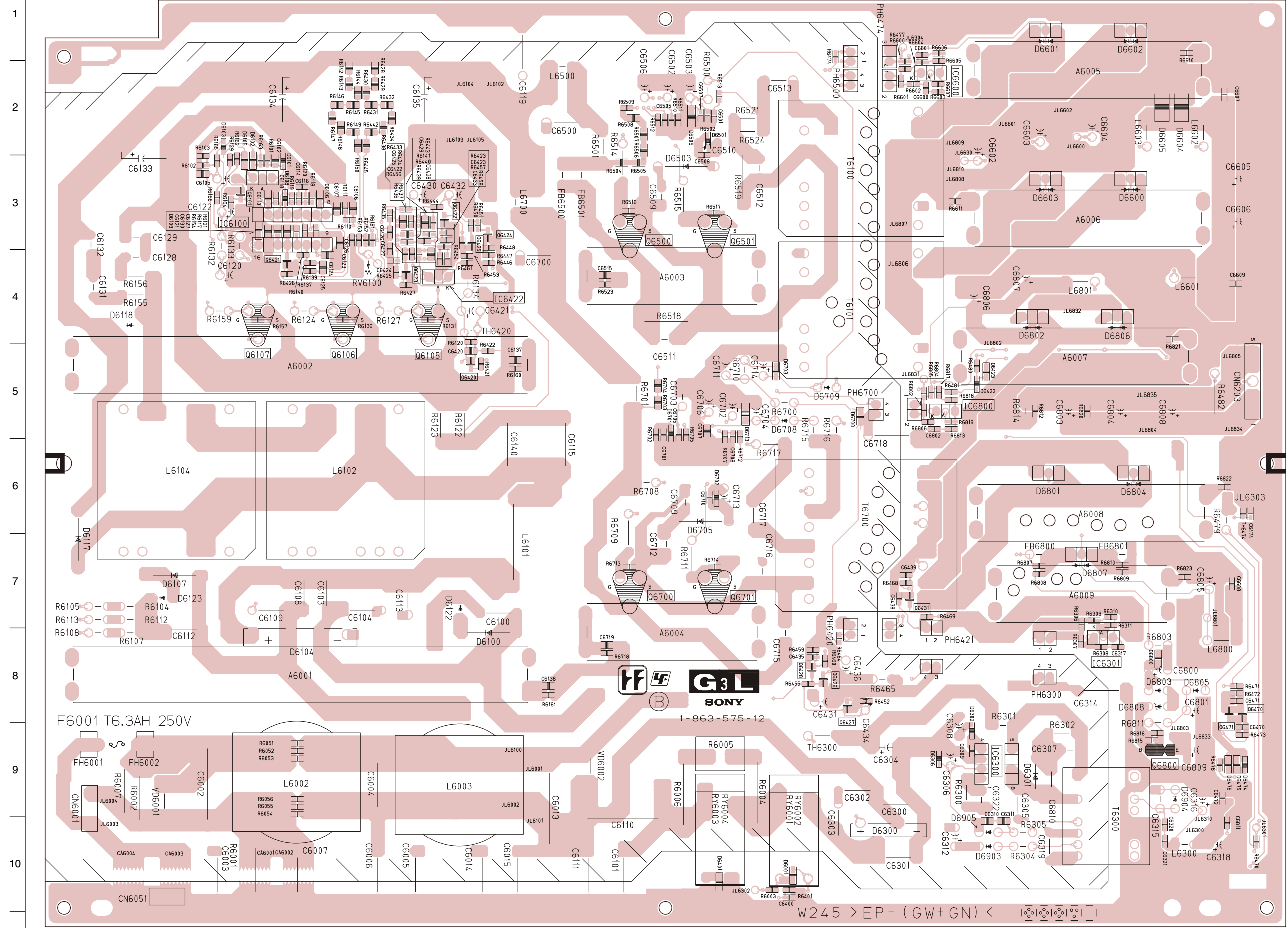
~ G3L Board Semiconductor Location Table Side A ~

DIODE		IC		TRANSISTOR	
D6100	I - 7	D6801	D - 6	Q6102	L - 4
D6104	K - 7	D6802	D - 4	Q6103	J - 3
D6107	L - 7	D6803	B - 8	Q6104	K - 4
D6111	K - 4	D6804	C - 6	Q6105	J - 4
D6112	J - 4	D6805	B - 8	Q6106	K - 4
D6113	J - 4	D6806	C - 4	Q6107	L - 4
D6114	K - 4	D6807	D - 7	Q6108	F - 10
D6115	L - 4	D6808	B - 8	Q6109	E - 7
D6117	N - 6	D6809	D - 10	Q6110	D - 8
D6118	M - 4	D6904	B - 9	Q6111	G - 7
D6121	L - 4	D6905	D - 10	Q6112	G - 7
D6122	I - 7			Q6113	B - 9
D6123	L - 7				
D6300	E - 10				
D6301	C - 9				
D6402	F - 10				
D6420	I - 3				
D6500	H - 2				
D6502	G - 3				
D6503	G - 3				
D6504	H - 3				
D6505	G - 3				
D6506	H - 3				
D6507	G - 3				
D6508	G - 3				
D6600	C - 3				
D6601	C - 1				
D6602	C - 1				
D6603	D - 3				
D6704	G - 6				
D6705	G - 6				
D6706	H - 7				
D6707	G - 7				
D6709	E - 5				
D6710	G - 7				
D6711	G - 6				
D6712	G - 7				

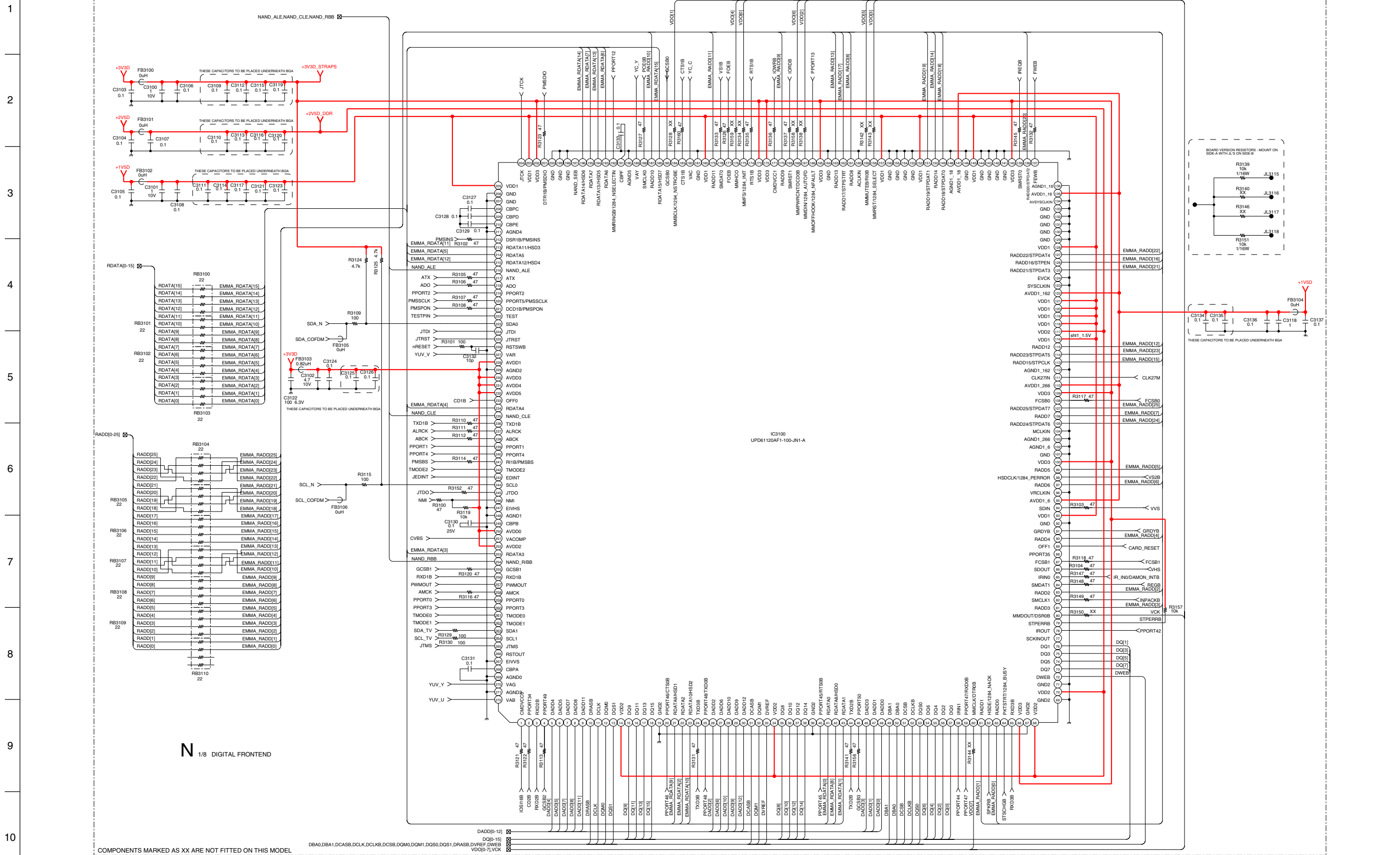
A B C D E F G H I J K L M N O

~ G3L Printed Wiring Board Conductor Side B ~

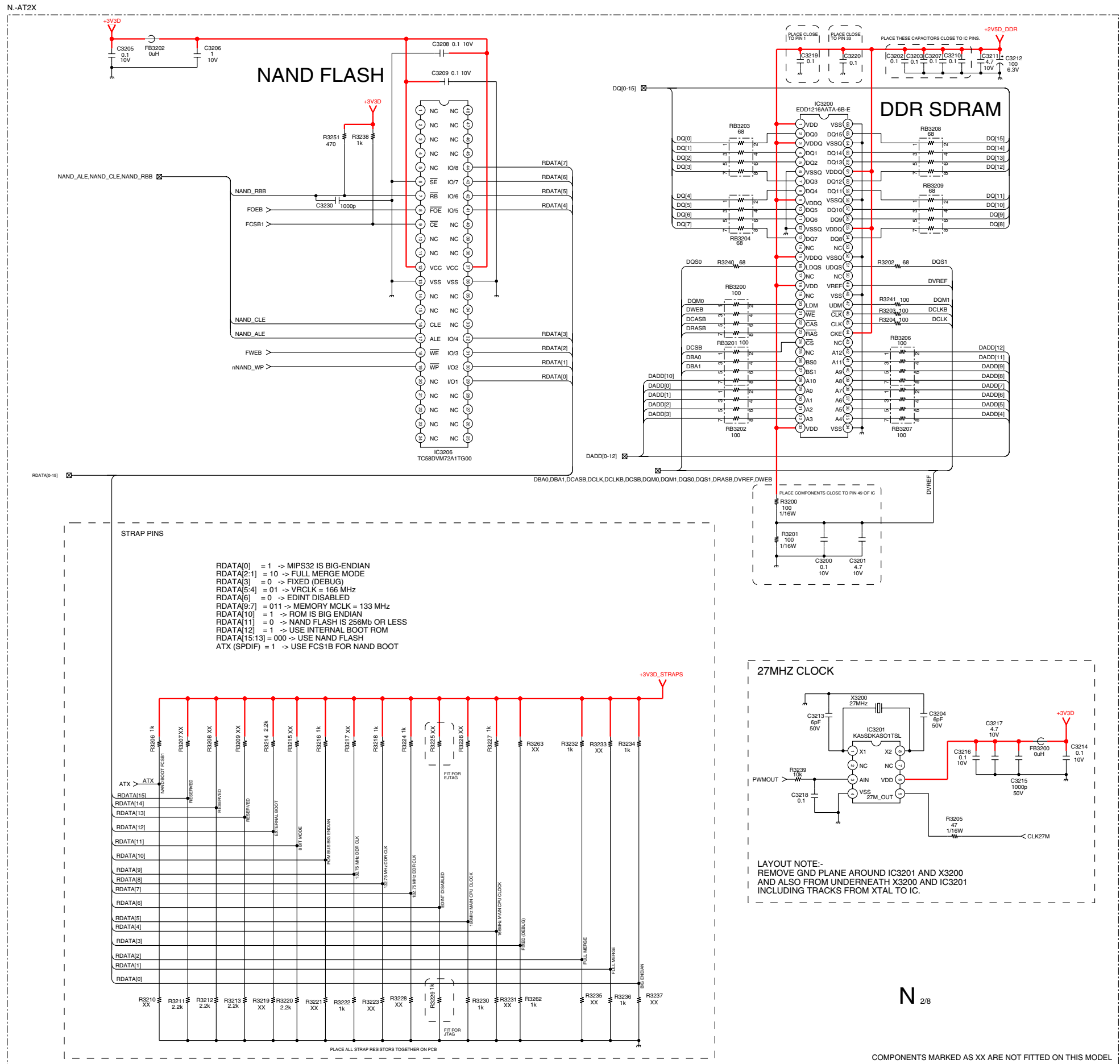
~ G3L Board Semiconductor Location Table Side B ~



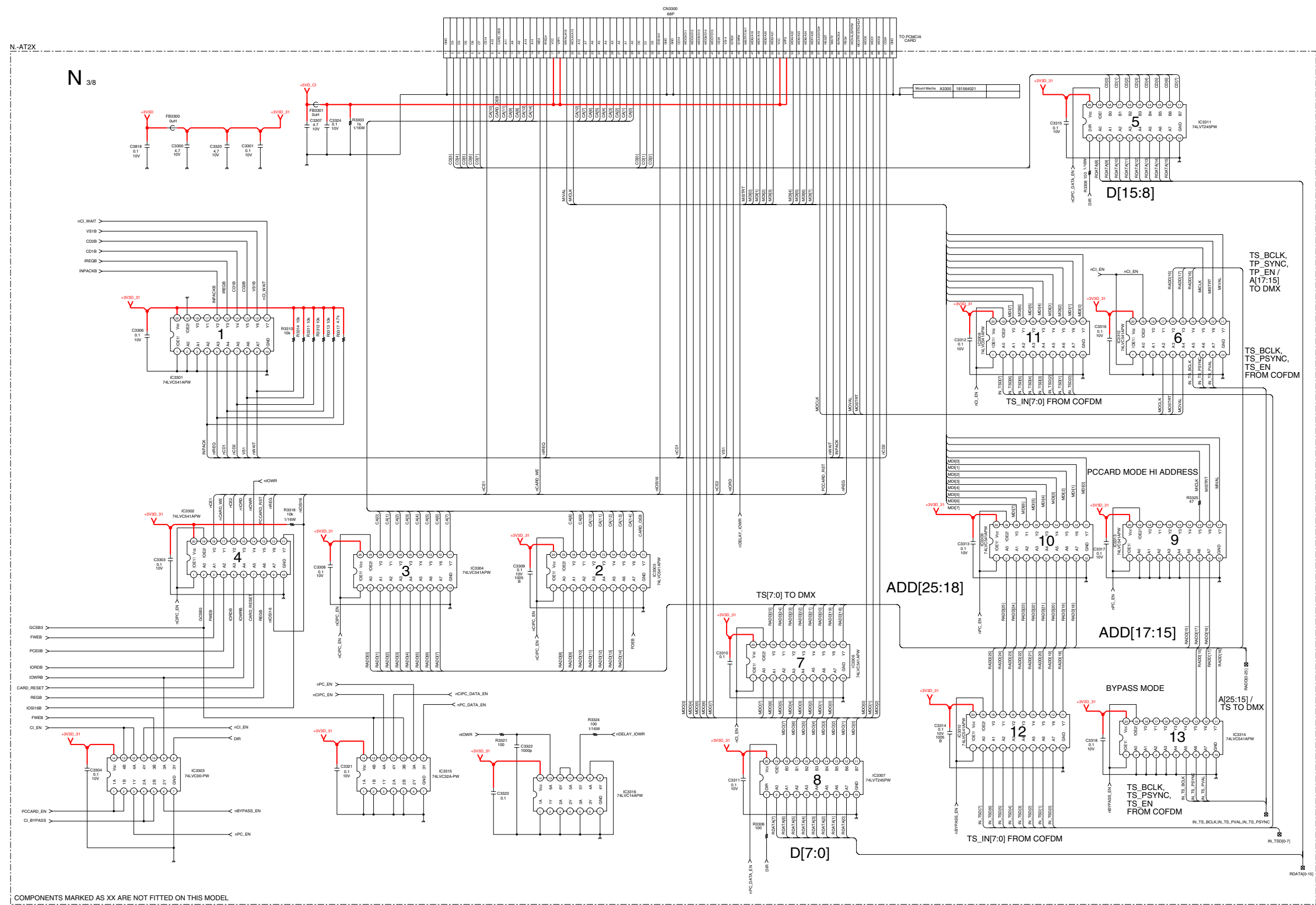
DIODE		IC		TRANSISTOR	
D6001	H - 10	D6802	K - 4	Q6101	C - 3
D6100	E - 8	D6803	L - 8	Q6105	E - 5
D6102	C - 2	D6804	L - 6	Q6106	D - 5
D6103	C - 2	D6805	M - 8	Q6107	C - 5
D6105	C - 2	D6806	L - 4	Q6420	E - 5
D6106	D - 3	D6807	L - 7	Q6421	C - 4
D6107	B - 7	D6808	L - 8	Q6422	E - 3
D6108	C - 3	D6809	K - 10	Q6423	E - 4
D6109	B - 3	D6904	L - 9	Q6424	F - 3
D6110	C - 3	D6905	J - 9	Q6425	E - 3
D6118	A - 4			Q6426	I - 8
D6122	E - 7			Q6427	I - 9
D6123	B - 7			Q6428	I - 8
D6300	I - 10			Q6431	J - 7
D6301	K - 9			Q6470	M - 9
D6302	J - 8			Q6471	M - 9
D6401	H - 10			Q6500	G - 3
D6422	K - 5			Q6501	H - 3
D6423	K - 5			Q6700	G - 7
D6474	M - 9			Q6701	H - 7
D6475	M - 9			Q6800	L - 9
D6501	H - 2				
D6503	G - 3				
D6509	H - 2				
D6600	L - 3				
D6601	K - 1				
D6602	L - 1				
D6603	K - 3				
D6604	M - 2				
D6700	I - 5				
D6701	G - 5				
D6702	H - 6				
D6703	I - 5				
D6705	H - 6				
D6709	I - 5				
D6713	H - 5				
D6800	L - 8				
D6801	K - 6				



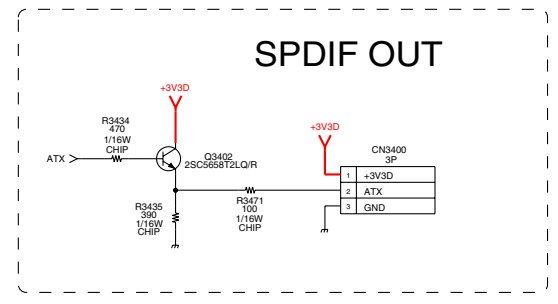
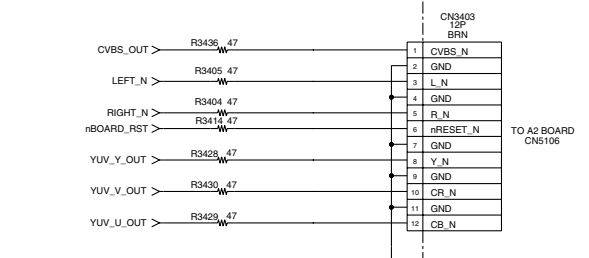
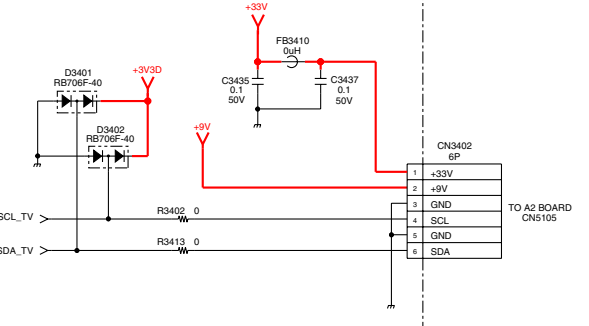
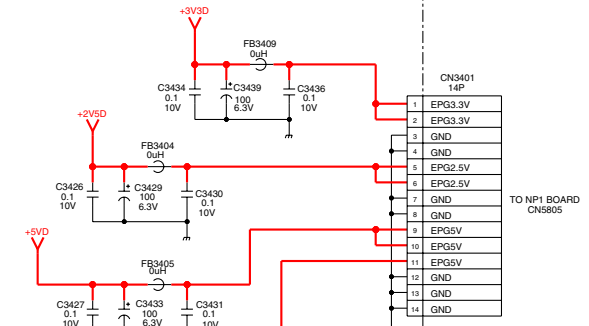
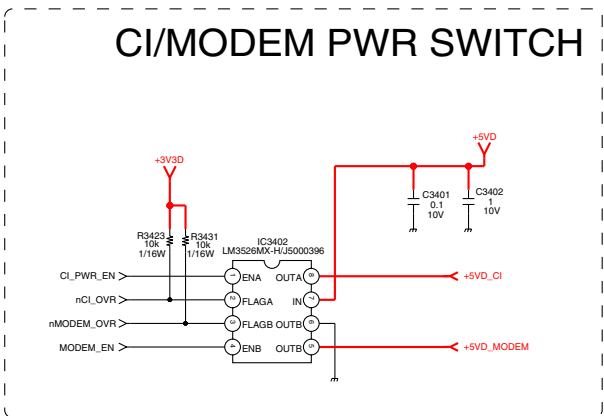
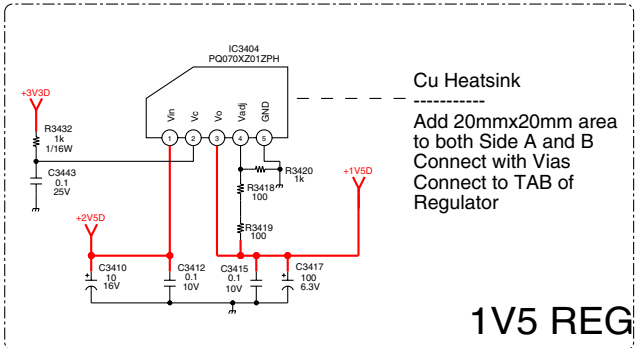
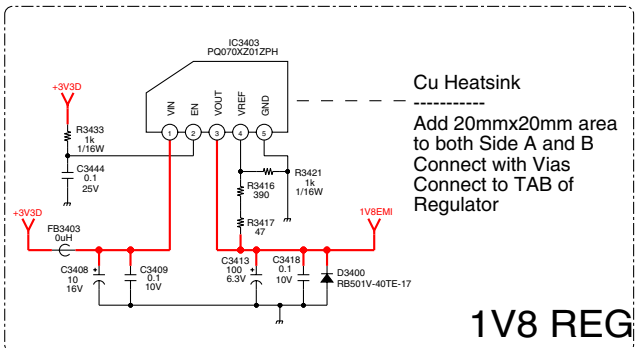
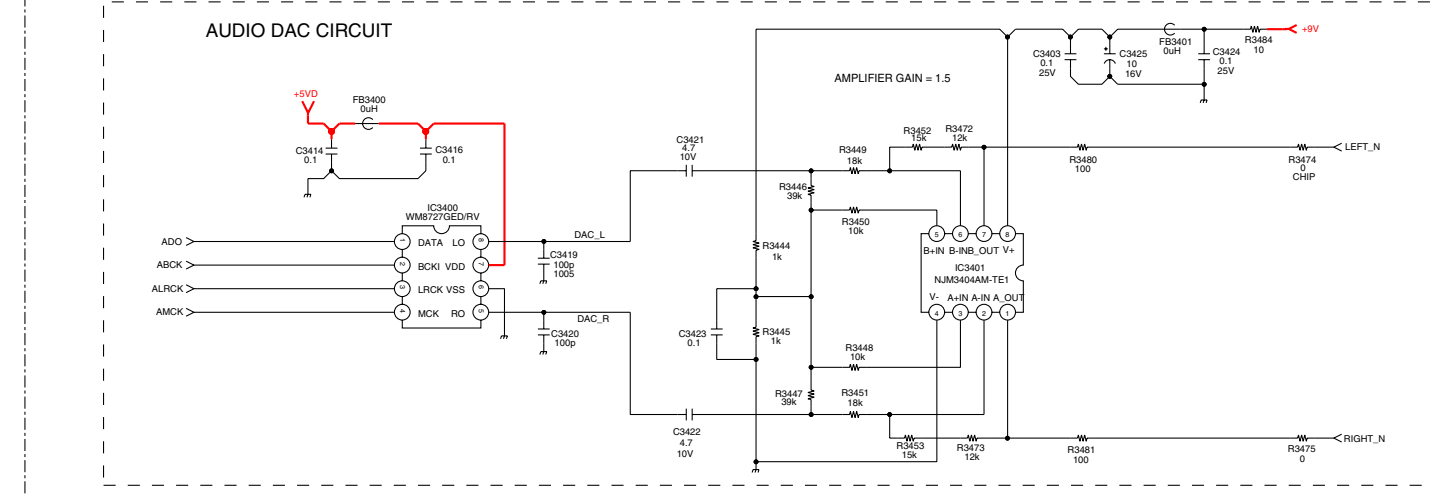
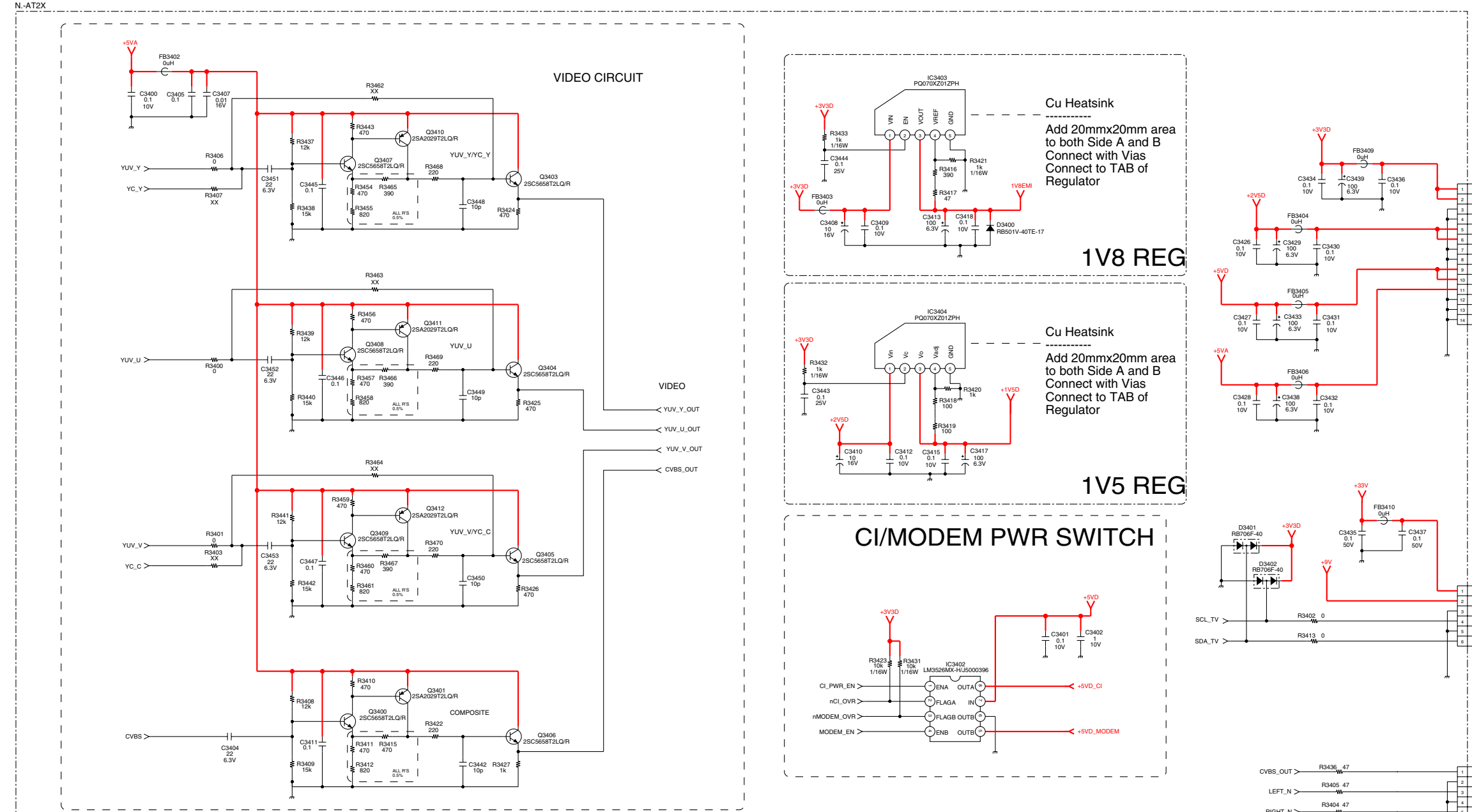
N 1/8 DIGITAL FRONTEND



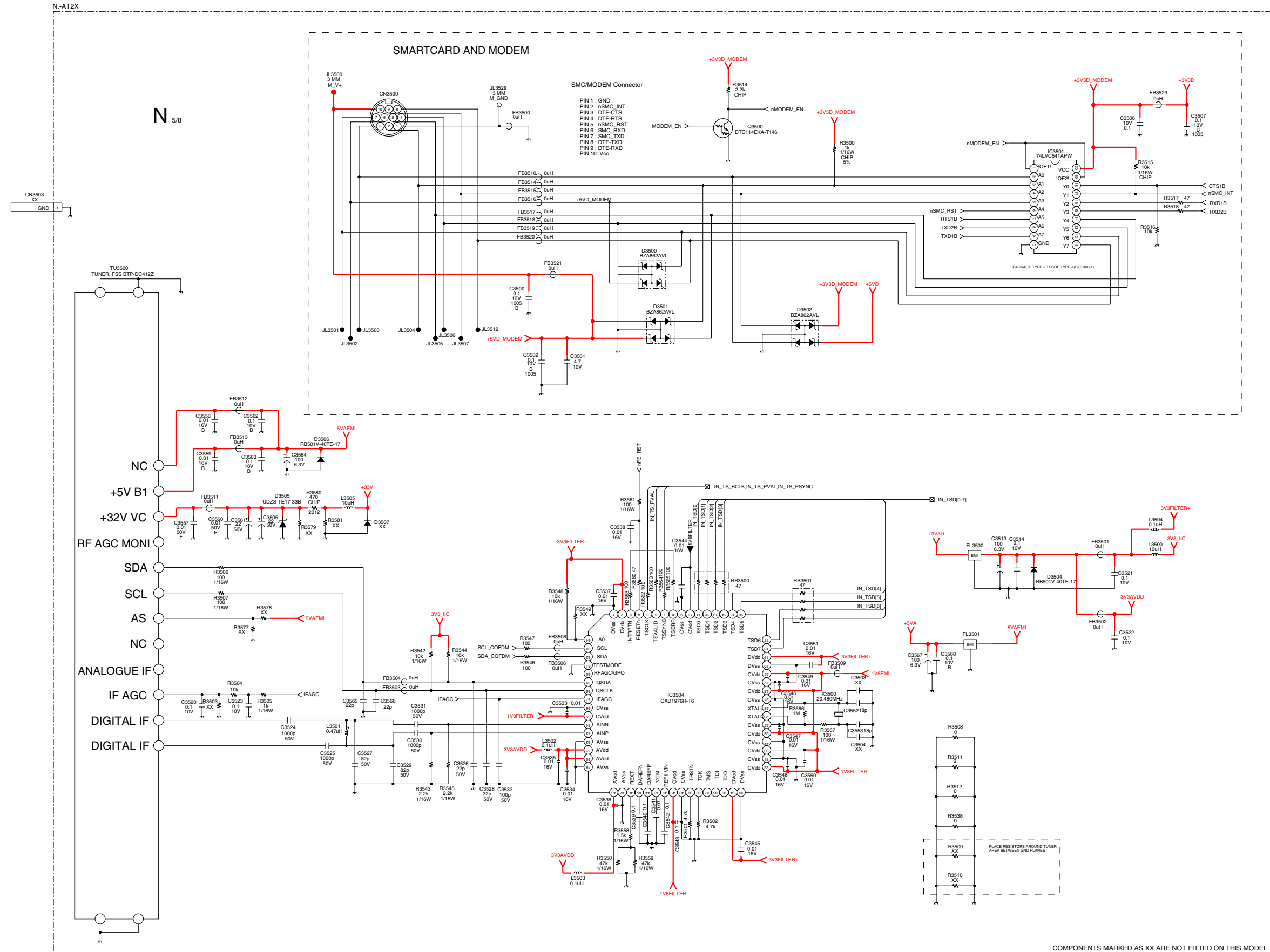
N 2/8



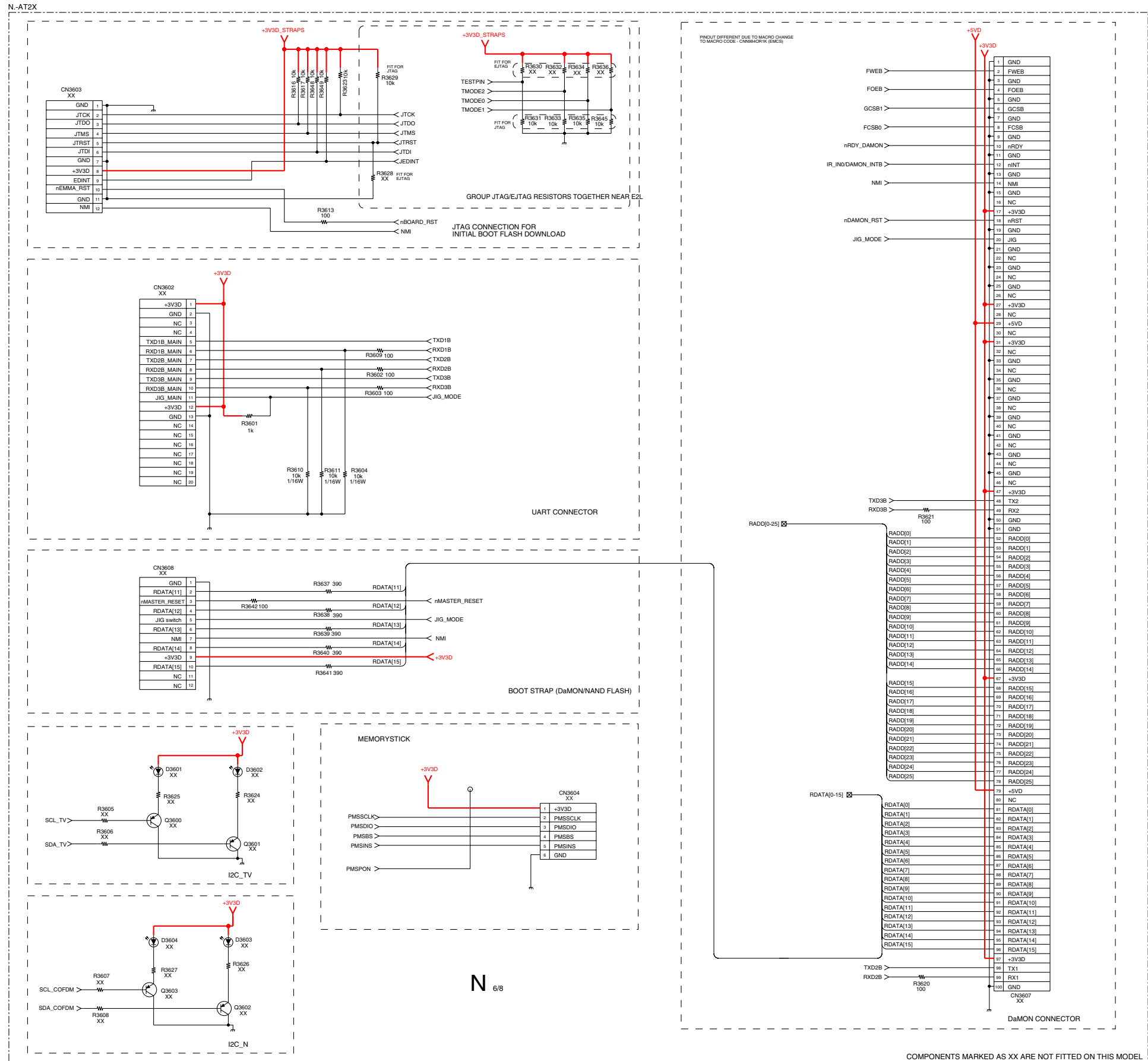
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

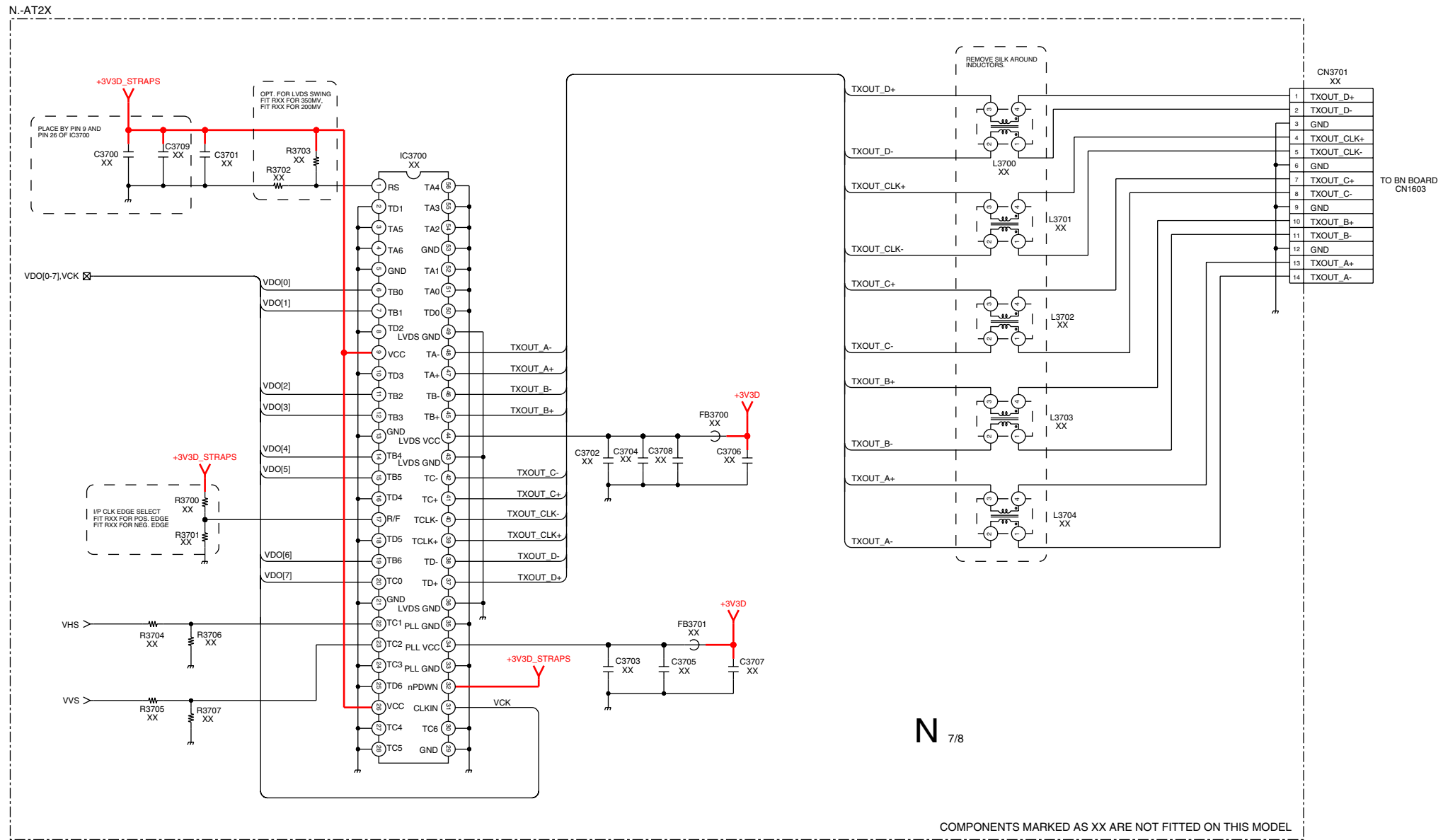


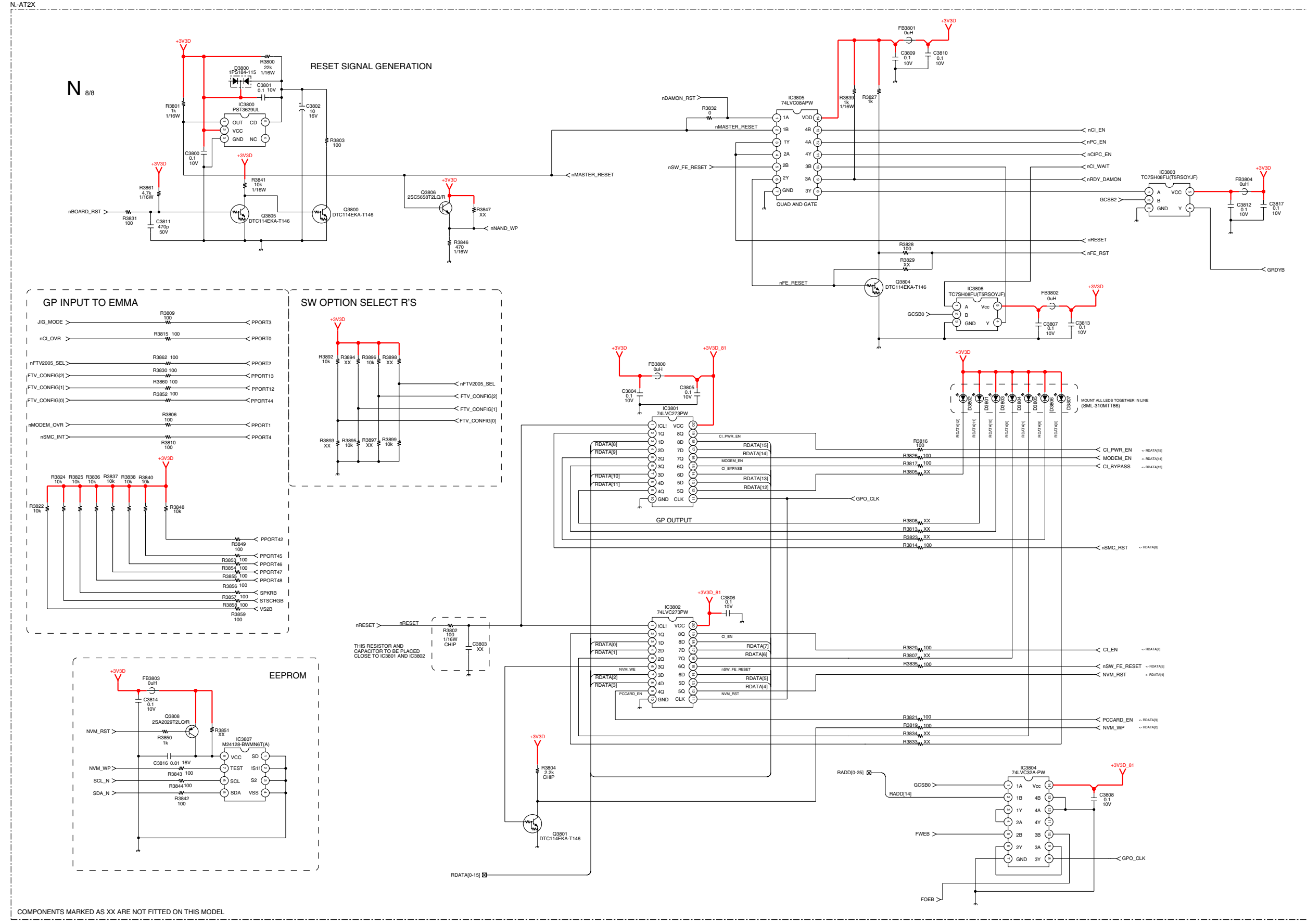
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



~ N Board Schematic Diagram [Digital Frontend] Page 5/8 ~



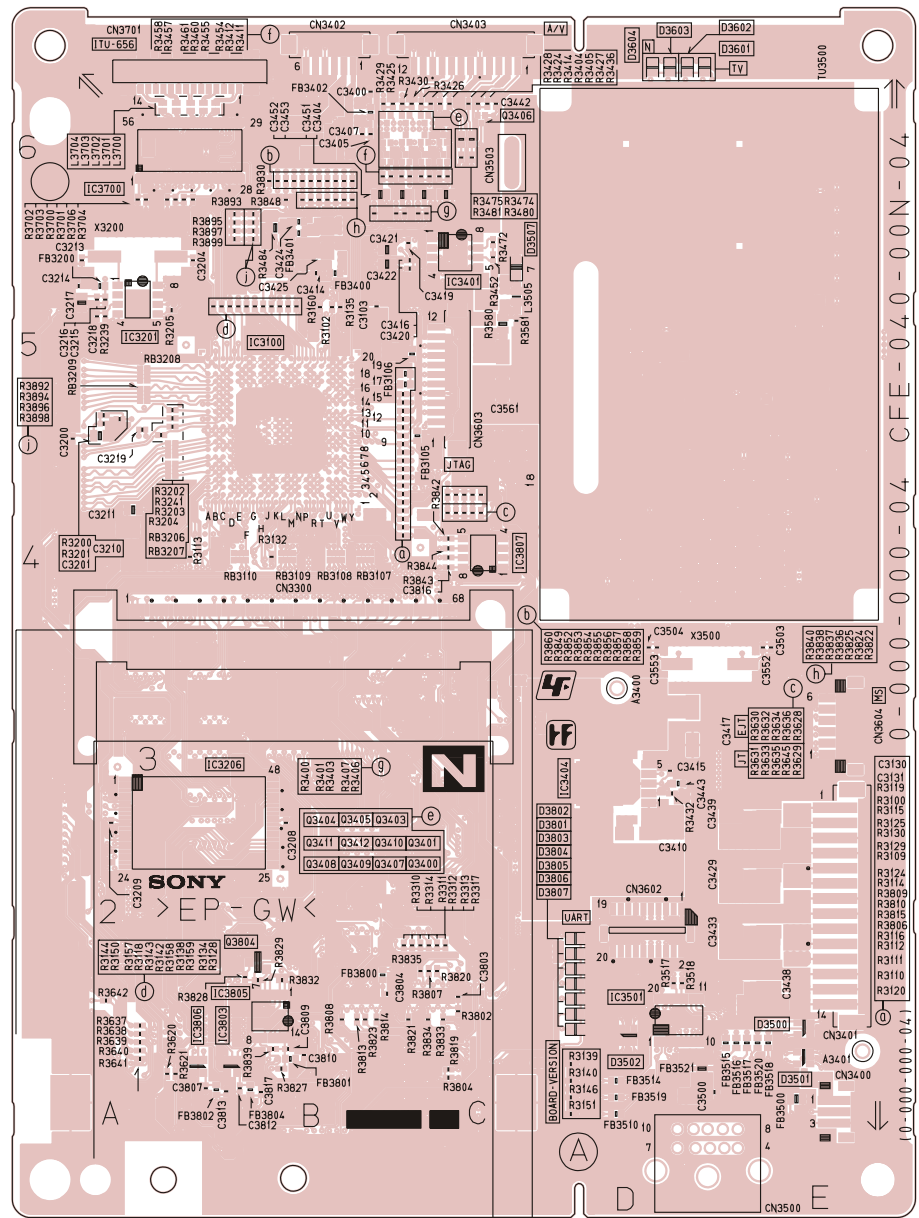




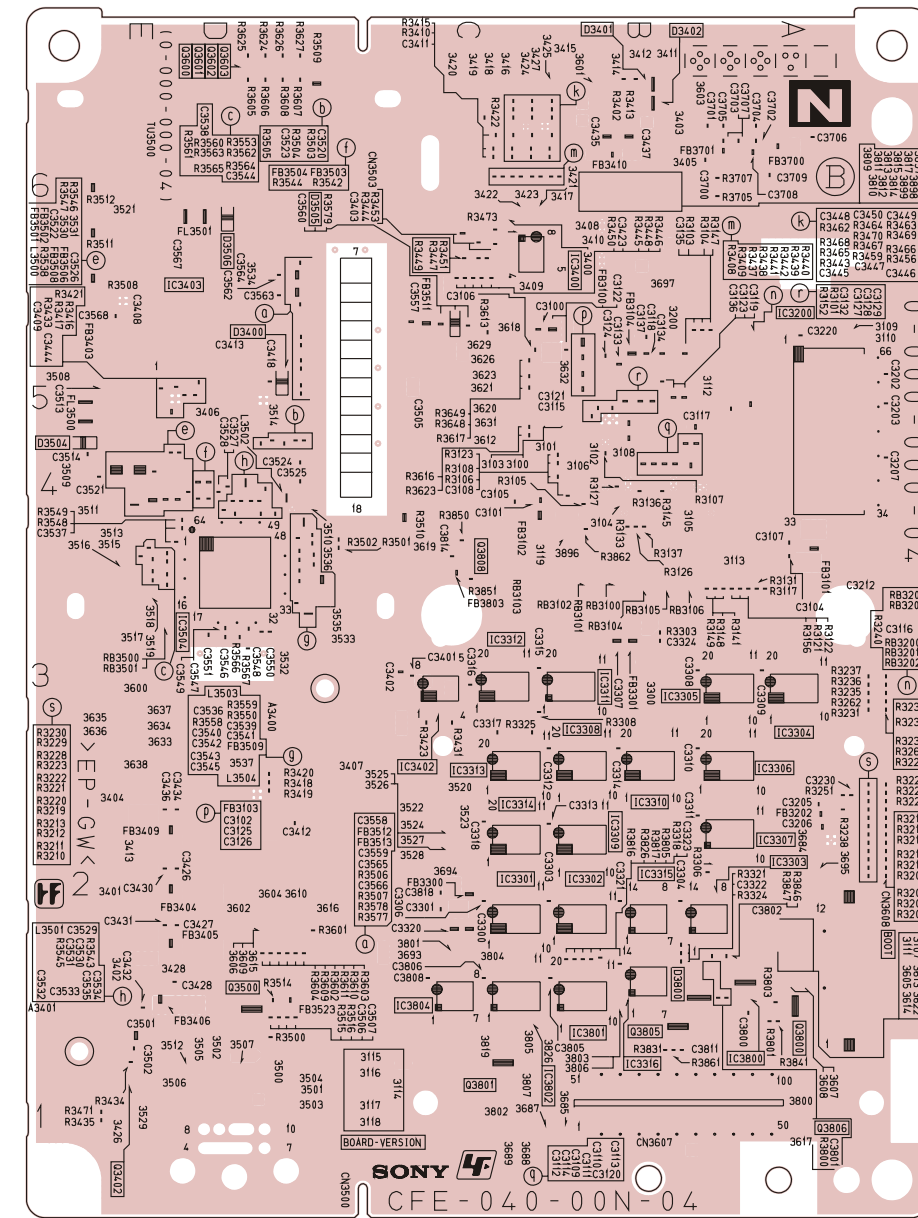
~ N Board Semi-conductor Location Table Side A ~

DIODE	
D3500	F - 6
D3501	F - 7
D3502	E - 7
D3507	E - 2
D3601	F - 1
D3602	F - 1
D3603	E - 1
D3604	E - 1
D3801	E - 5
D3802	E - 5
D3803	E - 5
D3804	E - 5
D3805	E - 5
D3806	E - 5
D3807	E - 5
IC	
IC3100	C - 3
IC3201	C - 3
IC3206	C - 5
IC3401	D - 2
IC3404	E - 5
IC3501	E - 6
IC3803	C - 6
IC3805	C - 6
IC3806	C - 6
IC3807	D - 4
TRANSISTOR	
Q3400	D - 5
Q3401	D - 5
Q3403	D - 5
Q3404	D - 5
Q3405	D - 5
Q3406	E - 2
Q3407	D - 5
Q3408	D - 5
Q3409	D - 5
Q3410	D - 5
Q3411	D - 5
Q3412	E - 2
Q3804	C - 6

~ N Printed Wiring Board Conductor Side A ~



~ N Printed Wiring Board Conductor Side B ~



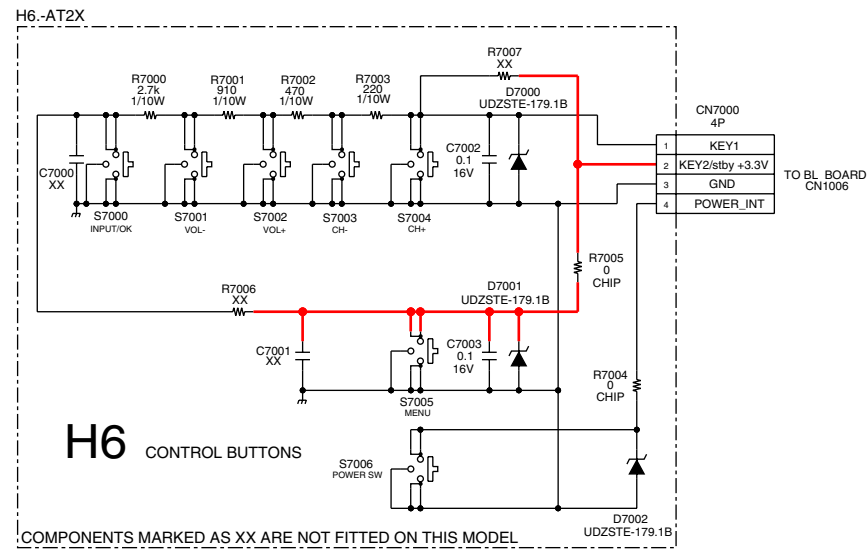
~ N Board Semi-conductor Location Table Side B ~

DIODE	
D3400	J - 3
D3401	L - 1
D3402	L - 1
D3504	I - 3
D3505	J - 2
D3506	J - 2
D3800	L - 6
IC	
IC3200	M - 2
IC3301	L - 6
IC3302	L - 6
IC3303	M - 6
IC3304	M - 5
IC3305	M - 5
IC3306	M - 5
IC3307	M - 6
IC3308	L - 5
IC3309	L - 6
IC3310	L - 5
IC3311	L - 5
IC3312	K - 5
IC3313	L - 5
IC3314	L - 5
IC3315	L - 6
IC3316	L - 7
IC3400	L - 2
IC3402	K - 5
IC3403	J - 2
IC3504	J - 4
IC3800	M - 6
IC3801	L - 6
IC3802	L - 7
IC3804	K - 6
TRANSISTOR	
Q3402	J - 7
Q3500	J - 6
Q3600	J - 1
Q3601	J - 1
Q3602	J - 1
Q3603	J - 1
Q3800	M - 6
Q3801	K - 7
Q3805	L - 6
Q3806	M - 7
Q3808	K - 4

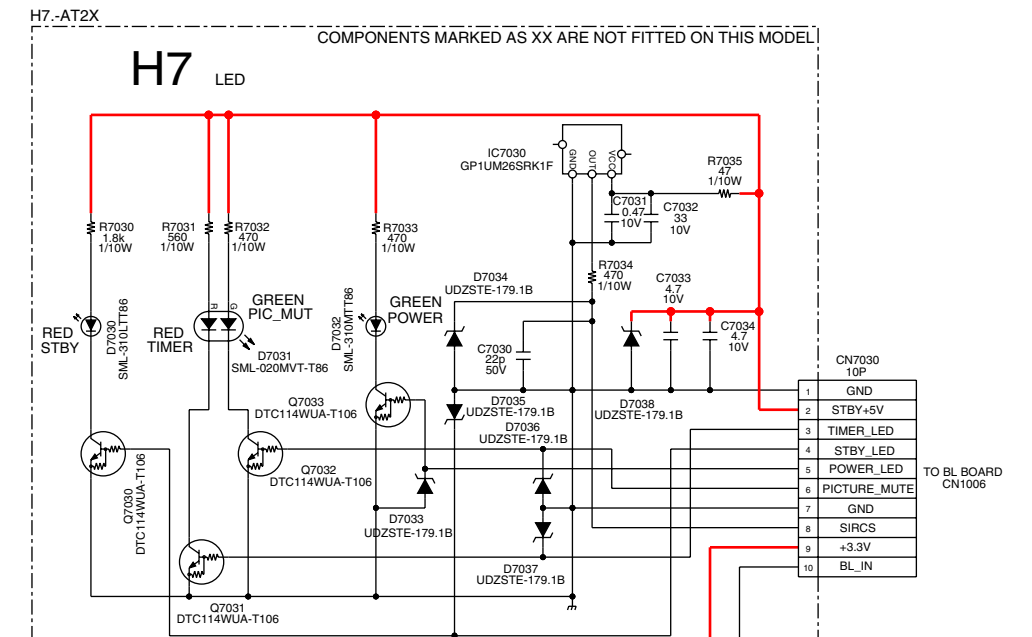
~ N Board IC Voltage Table ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	
IC3201	1	1.6	IC3400	4	1.5	IC3401	8	9.0	IC3403	4	1.3	IC3501	2	0	IC3501	19-20	3.2	
	2-4	0		5	2.6		1	0		5	0		3	3.2		1-4	3.2	
	5	1.6		6	0		2-3	3.2		1	2.6		4-6	0		5-7	0	
	6	3.2		7	5.1		4-6	0		2	3.2		7	0.7		8-14	3.2	
	7	0		8	2.6		7	5.2		3	1.5		8	3.2		1-4	0	
	8	1.6		1-3	4.5		8	0		4	1.3		9	3.2		5-6	3.2	
IC3400	1	1.7	IC3401	4	0	IC3403	1-2	3.2	IC3501	5	0	IC3807	7	0				
	2-3	1.6		5-7	4.5		3	1.8		1	3.2		10-11	0	8	3.2		

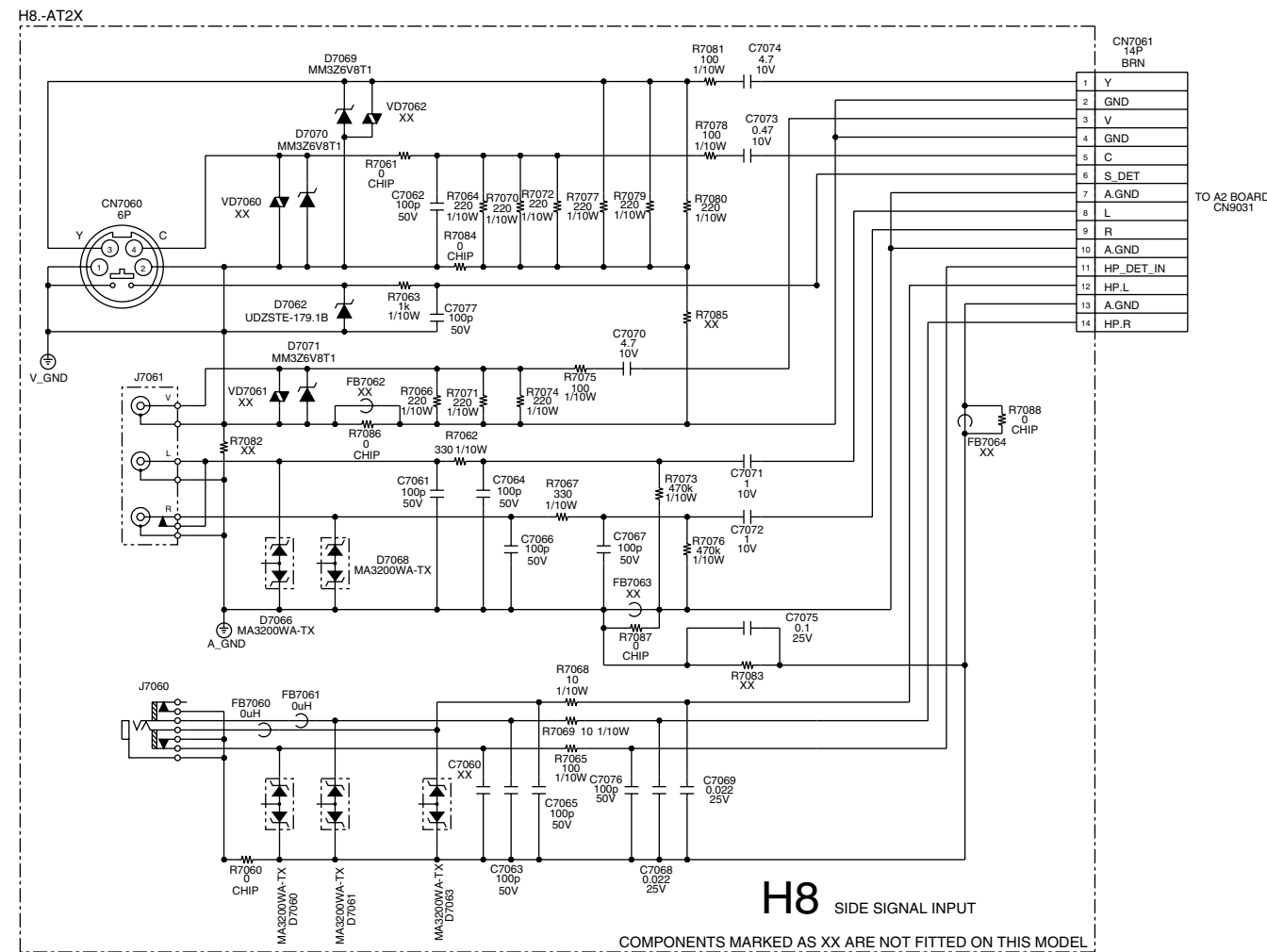
~ H6 Board Schematic Diagram [Control Buttons] ~



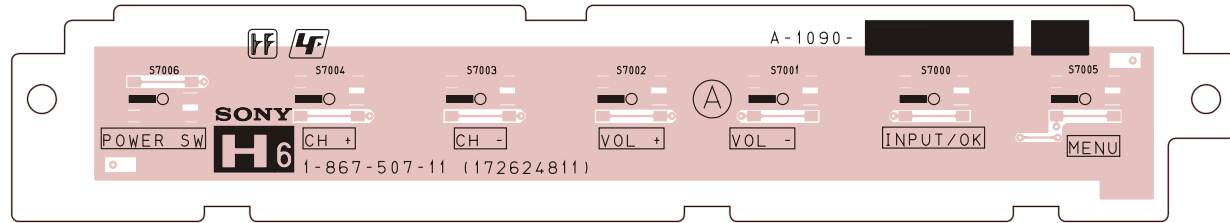
~ H7 Board Schematic Diagram [LED] ~



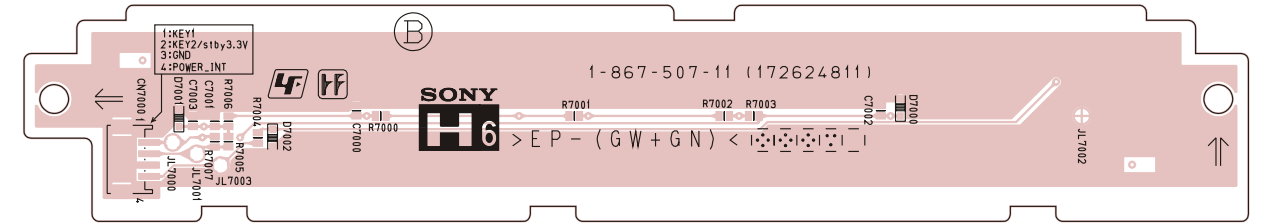
~ H8 Board Schematic Diagram [Side Signal Input] ~



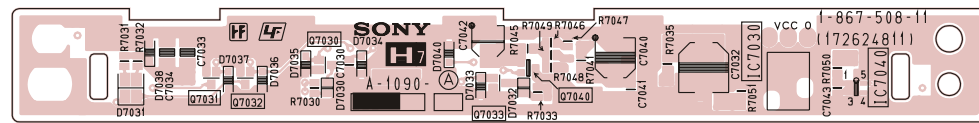
~ H6 Printed Wiring Board Conductor Side A ~



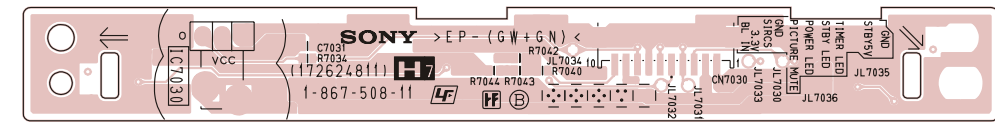
~ H6 Printed Wiring Board Conductor Side B ~



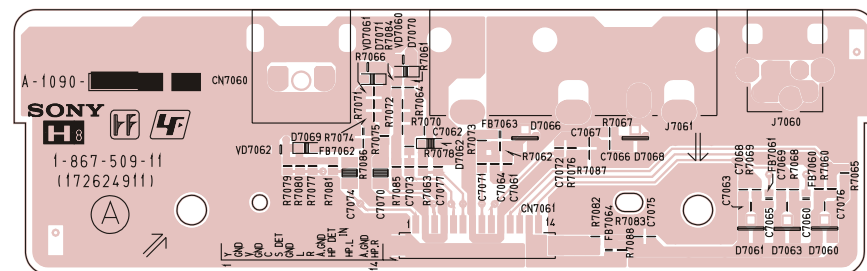
~ H7 Printed Wiring Board Conductor Side A ~



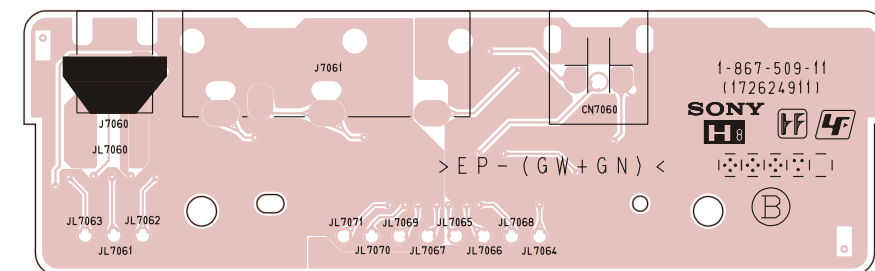
~ H7 Printed Wiring Board Conductor Side B ~

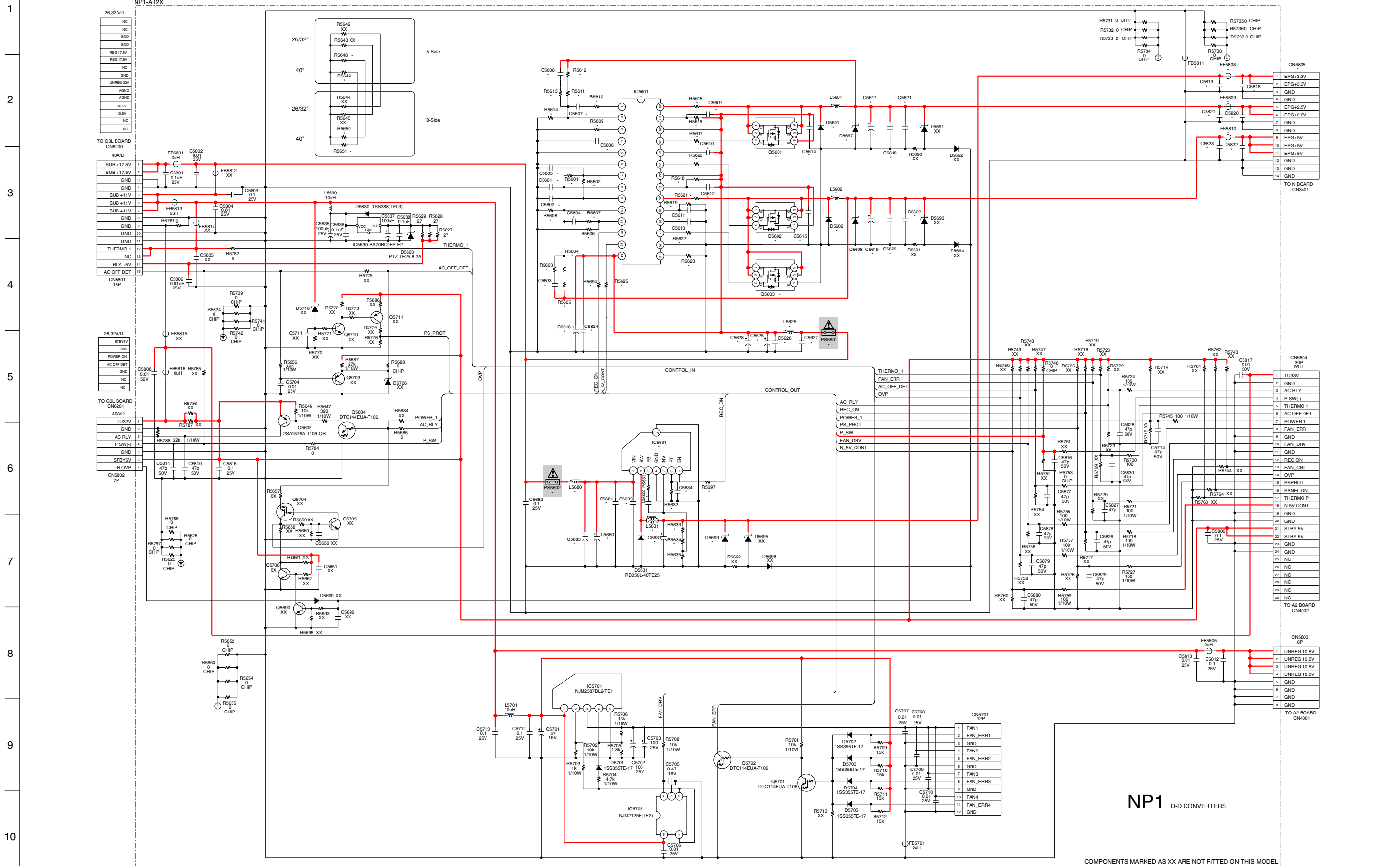


~ H8 Printed Wiring Board Conductor Side A ~



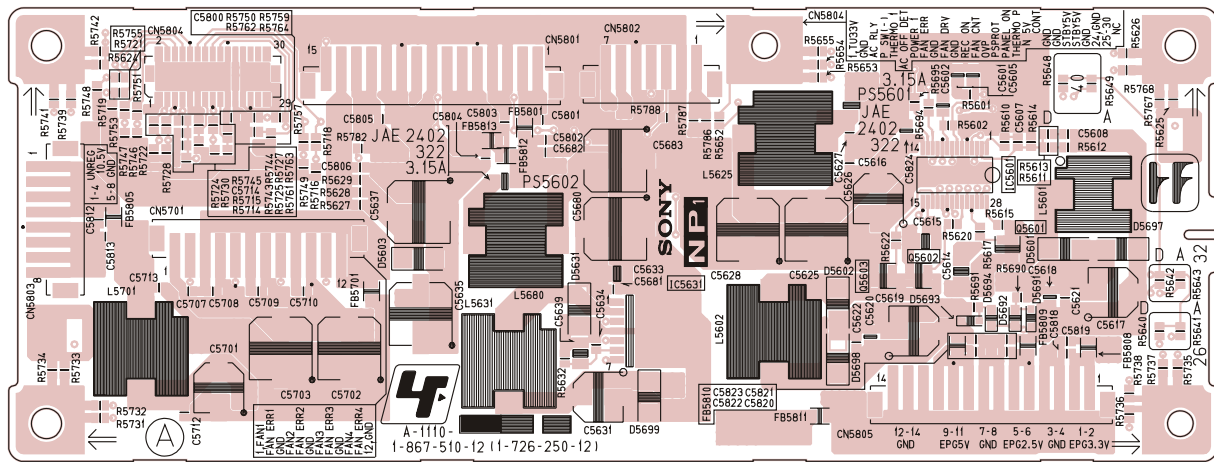
~ H8 Printed Wiring Board Conductor Side B ~





~ NP1 Board Schematic Diagram [D-D Converters] ~

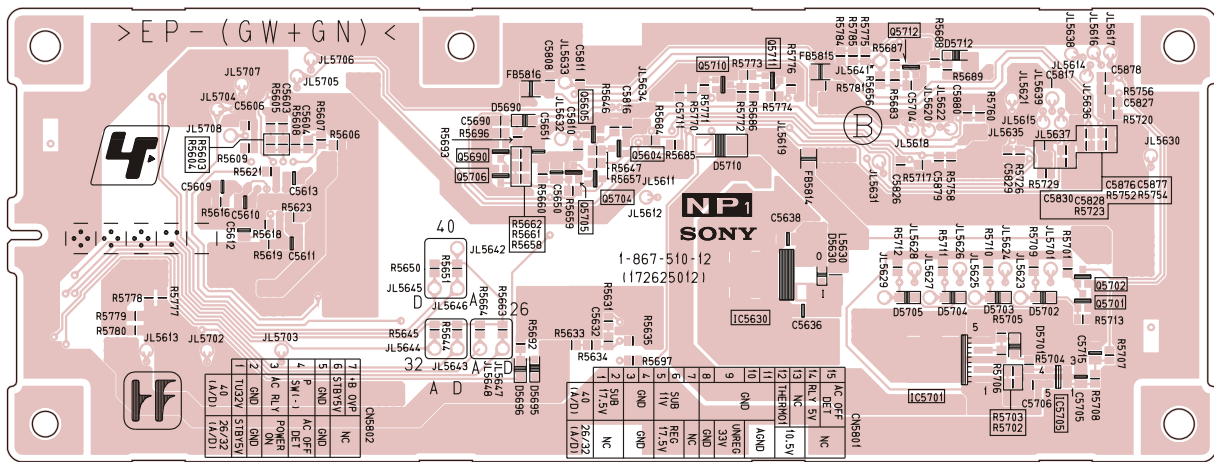
~ NP1 Printed Wiring Board Conductor Side A ~



~ NP1 Board Semiconductor Location Table Side A ~

DIODE	D5631	D - 3	D 5699	D - 3	IC5631	D - 3	Q5602	F - 3	
D5601	F - 3	D5697	G - 2	IC		TRANSISTOR		Q5603	E - 3
D5602	E - 3	D5698	E - 3	IC5601	F - 2	Q5601	F - 3		

~ NP1 Printed Wiring Board Conductor Side B ~



~ NP1 Board Semiconductor Location Table Side B ~

DIODE	D5703	F - 8	IC	TRANSISTOR	Q5701	G - 8	
D5701	F - 8	D5704	F - 8	IC5701	F - 8	Q5604	D - 7
D5702	F - 8	D5705	F - 8	IC5705	F - 9	Q5605	D - 7

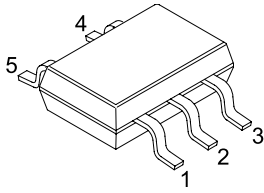
~ NP1 Board Difference Table ~

Ref	KDL-V40A12U	KLV-V40A10E
C5601	2.2uF 10% 6.3V	NOT FITTED
C5602	2.2uF 10% 6.3V	NOT FITTED
C5603	470pF 5% 50V	NOT FITTED
C5604	0.0022uF 10% 50V	NOT FITTED
C5605	1uF 10% 16V	NOT FITTED
C5606	100pF 5% 50V	NOT FITTED
C5607	0.0068uF 10% 25V	NOT FITTED
C5608	0.0015uF 10% 50V	NOT FITTED
C5609	0.1uF 10% 25V	NOT FITTED
C5610	1uF 10% 16V	NOT FITTED
C5611	1uF 10% 16V	NOT FITTED
C5612	0.1uF 10% 25V	NOT FITTED
C5613	1uF 10% 16V	NOT FITTED
C5614	1uF 10% 25V	NOT FITTED
C5615	1uF 10% 25V	NOT FITTED
C5616	10uF 20% 25V	NOT FITTED
C5617	56uF 20% 10V	NOT FITTED
C5618	0.1uF 10% 25V	NOT FITTED
C5619	56uF 20% 10V	NOT FITTED
C5620	0.1uF 10% 25V	NOT FITTED
C5621	0.01uF 10% 25V	NOT FITTED
C5622	0.01uF 10% 25V	NOT FITTED
C5625	100uF 20% 25V	NOT FITTED
C5626	0.1uF 10% 25V	NOT FITTED
C5627	0.1uF 10% 25V	NOT FITTED
C5628	100uF 20% 25V	NOT FITTED
C5631	220uF 20% 6.3V	NOT FITTED
C5632	0.0068uF 10% 25V	NOT FITTED
C5633	1uF 10% 25V	NOT FITTED
C5634	0.1uF 10% 25V	NOT FITTED
C5680	100uF 20% 25V	NOT FITTED
C5681	0.1uF 10% 25V	NOT FITTED
C5682	0.1uF 10% 25V	NOT FITTED
C5683	100uF 20% 25V	NOT FITTED
C5818	0.1uF 10% 25V	NOT FITTED
C5819	0.01uF 10% 25V	NOT FITTED
C5820	0.1uF 10% 25V	NOT FITTED
C5821	0.01uF 10% 25V	NOT FITTED
C5822	0.1uF 10% 25V	NOT FITTED
C5823	0.01uF 10% 25V	NOT FITTED
C5824	0.1uF 10% 25V	NOT FITTED
CN5805	14P	NOT FITTED
D5601	RB050L-40TE25	NOT FITTED
D5602	RB050L-40TE25	NOT FITTED
D5631	RB050L-40TE25	NOT FITTED
D5697	PTZ-TE25-3.9B	NOT FITTED
D5698	PTZ-TE25-6.2B	NOT FITTED
D5699	PTZ-TE25-3.9B	NOT FITTED

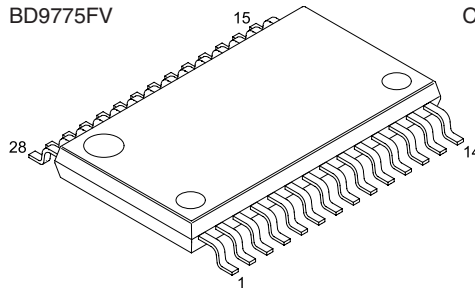
Ref	KDL-V40A12U	KLV-V40A10E
FB5808	0uH	NOT FITTED
FB5809	0uH	NOT FITTED
FB5810	0uH	NOT FITTED
FB5811	0uH	NOT FITTED
IC5601	BD9775FV	NOT FITTED
IC5631	BD9778HFP	NOT FITTED
L5601	22uH	NOT FITTED
L5602	10uH	NOT FITTED
L5625	10uH	NOT FITTED
L5631	47uH	NOT FITTED
L5680	10uH	NOT FITTED
PS5601	3.15A 24V	NOT FITTED
PS5602	3.15A 24V	NOT FITTED
Q5601	RSQ035P03TR	NOT FITTED
Q5602	RSQ035P03TR	NOT FITTED
Q5603	RTQ045N03TR	NOT FITTED
R5601	47K 5% 1/10W	NOT FITTED
R5602	470K 5% 1/10W	NOT FITTED
R5603	6.8K 0.5% 1/10W	NOT FITTED
R5604	4.7K 5% 1/10W	NOT FITTED
R5605	68K 5% 1/10W	NOT FITTED
R5606	22K 5% 1/10W	NOT FITTED
R5607	15K 5% 1/10W	NOT FITTED
R5608	18K 5% 1/10W	NOT FITTED
R5609	30K 0.5% 1/10W	NOT FITTED
R5610	4.7K 5% 1/10W	NOT FITTED
R5611	22K 5% 1/10W	NOT FITTED
R5612	4.7K 5% 1/10W	NOT FITTED
R5613	1K 5% 1/10W	NOT FITTED
R5614	18K 5% 1/10W	NOT FITTED
R5615	0	NOT FITTED
R5616	22K 5% 1/10W	NOT FITTED
R5617	0	NOT FITTED
R5618	47K 5% 1/10W	NOT FITTED
R5619	0	NOT FITTED
R5620	0	NOT FITTED
R5621	0	NOT FITTED
R5622	0	NOT FITTED
R5623	15K 5% 1/10W	NOT FITTED
R5631	22K 5% 1/10W	NOT FITTED
R5632	100K 5% 1/10W	NOT FITTED
R5633	22K 5% 1/10W	NOT FITTED
R5634	1K 5% 1/10W	NOT FITTED
R5635	10K 5% 1/10W	NOT FITTED
R5648	0	NOT FITTED
R5649	NOT FITTED	0
R5650	0	NOT FITTED
R5651	NOT FITTED	0
R5694	100 5% 1/10W	NOT FITTED
R5695	100 5% 1/10W	NOT FITTED
R5697	100 5% 1/10W	NOT FITTED

4-4. SEMICONDUCTORS

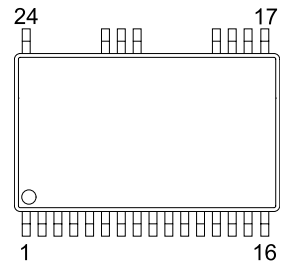
74LVC08APW
74LVC14APW
74LVC273PW
74LVC32A-PW
74LVC541APW



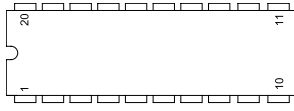
BD9775FV



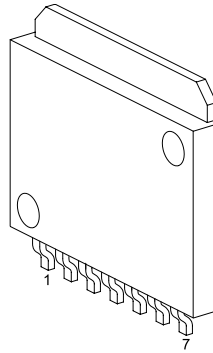
CXD9841M



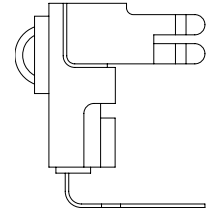
74LVT245PW



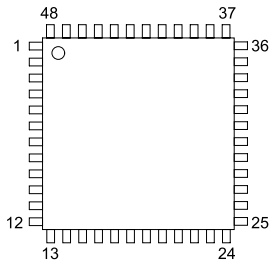
BD9778HFP
BD9781HFP



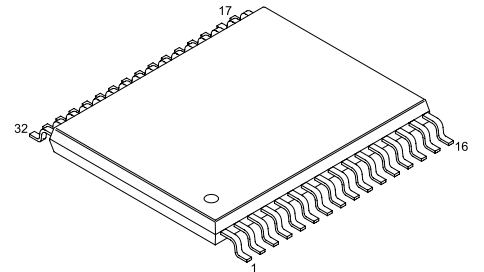
GP1UM26SRK1F



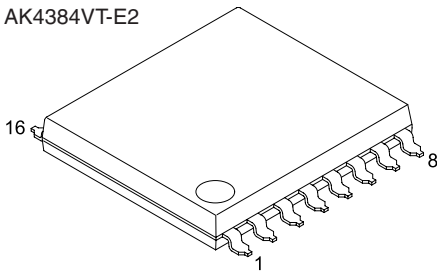
AK4114VQ-L



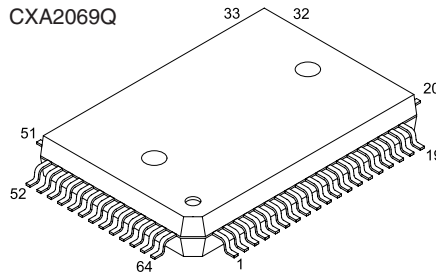
K6F2008V2E-LF70000



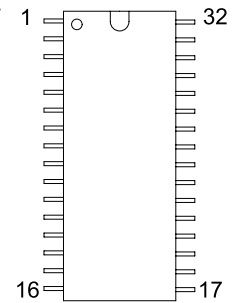
AK4384VT-E2



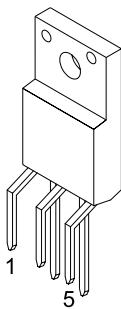
CXA2069Q



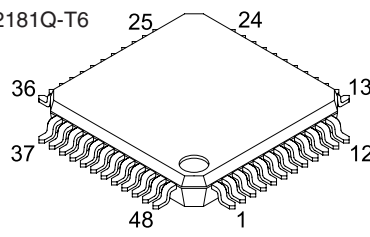
K6X1008C2D-BF70T



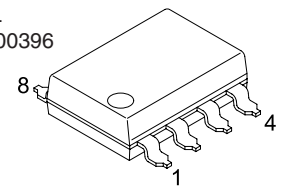
BA09ST-V5



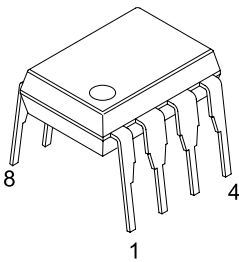
CXA2181Q-T6



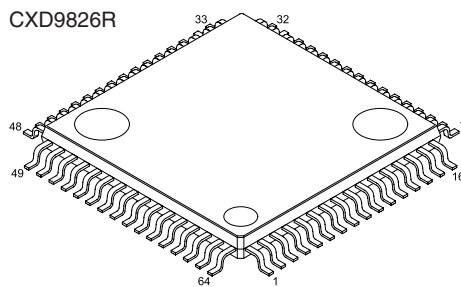
KA5SDKASO1TSL
LM3526MX-H/J5000396



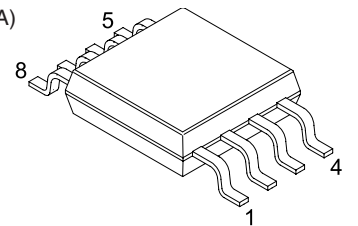
BA7046F



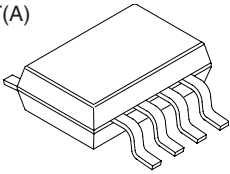
CXD9826R



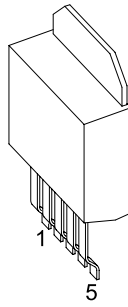
LM393DT (A)



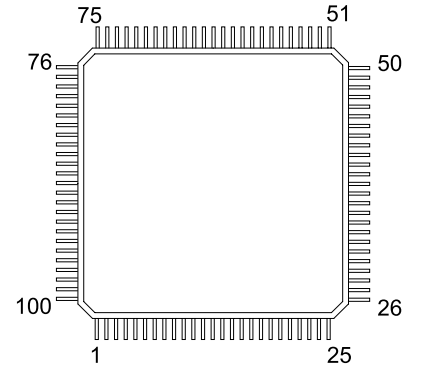
M24128-BWMN6T(A)



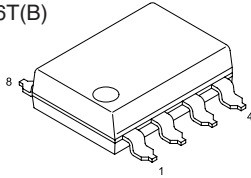
NJM2387DL2-TE1
PQ12DZ5UJ00H



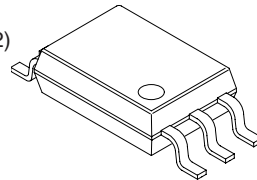
SAA5665HL/M1D/0724



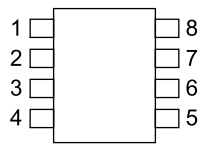
M24C16-WMN6T(B)



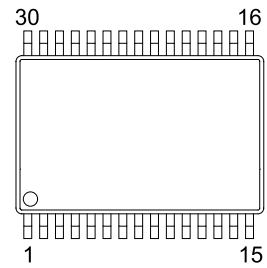
NJM3404AM-T1
NJM3414AV(TE2)



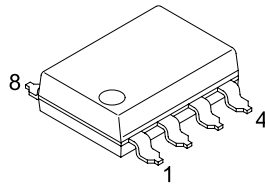
MAX4451EKA-TG069



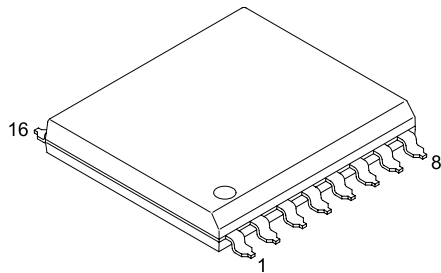
SN105233DBTR



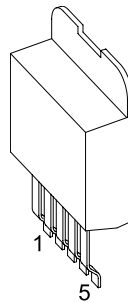
NJM4558V-TE2



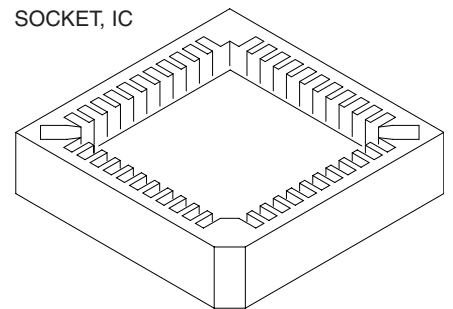
MC74LVXT4052DTR2



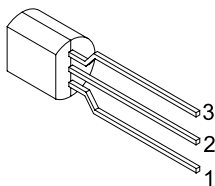
PQ070XZ01ZPH
PQ1CZ41H2ZPH



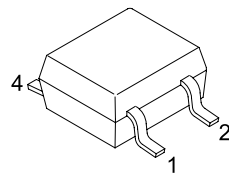
SOCKET, IC



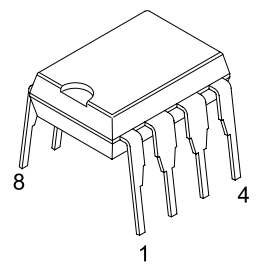
MM1431ATT



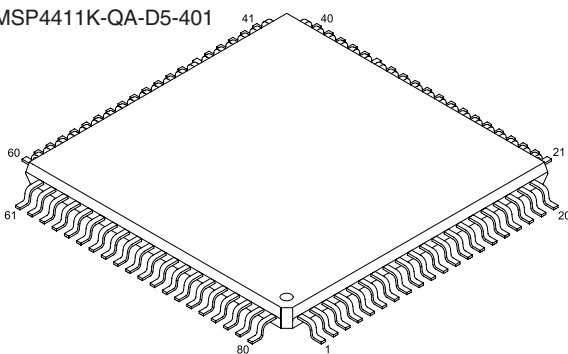
PST3629UL



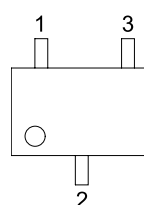
STR-A6169



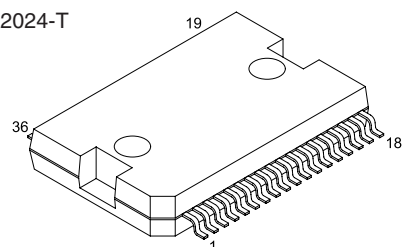
MSP4411K-QA-D5-401



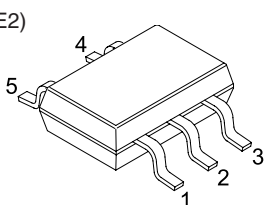
PST573IMT



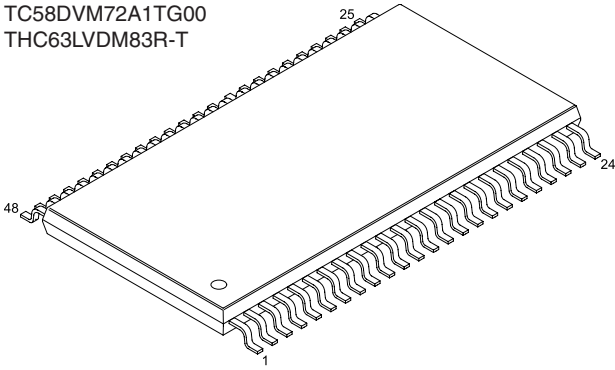
TA2024-T



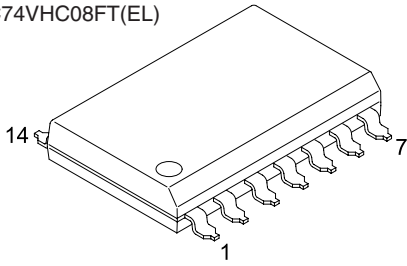
NJM2125F(TE2)



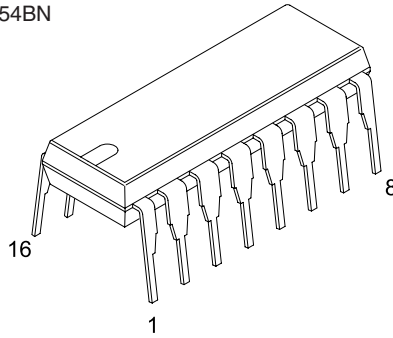
TC58DVM72A1TG00
THC63LVDM83R-T



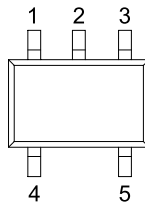
TC74VHC08FT(EL)



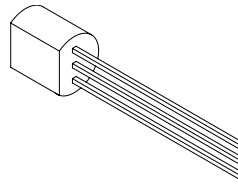
UC3854BN



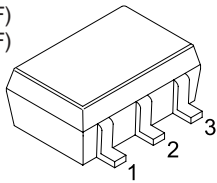
TC7S66FU
TC7SH04FU(T5RSOYJF)
TC7SZ04FU(TE85R)



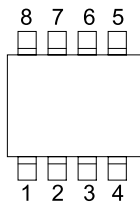
UPC1093J-1-T



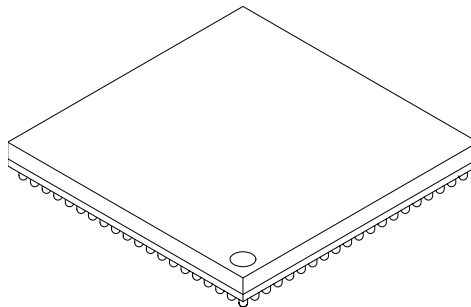
TC7SH08FU(T5RSOYJF)
TC7SH86FU(T5RSOYJF)



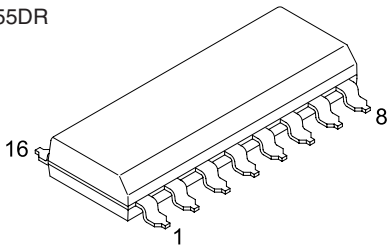
TC7WH08FK(TE85R)



UPD61120AF1-100-JN1-A



TL52055DR



SECTION 5 EXPLODED VIEWS

NOTE :

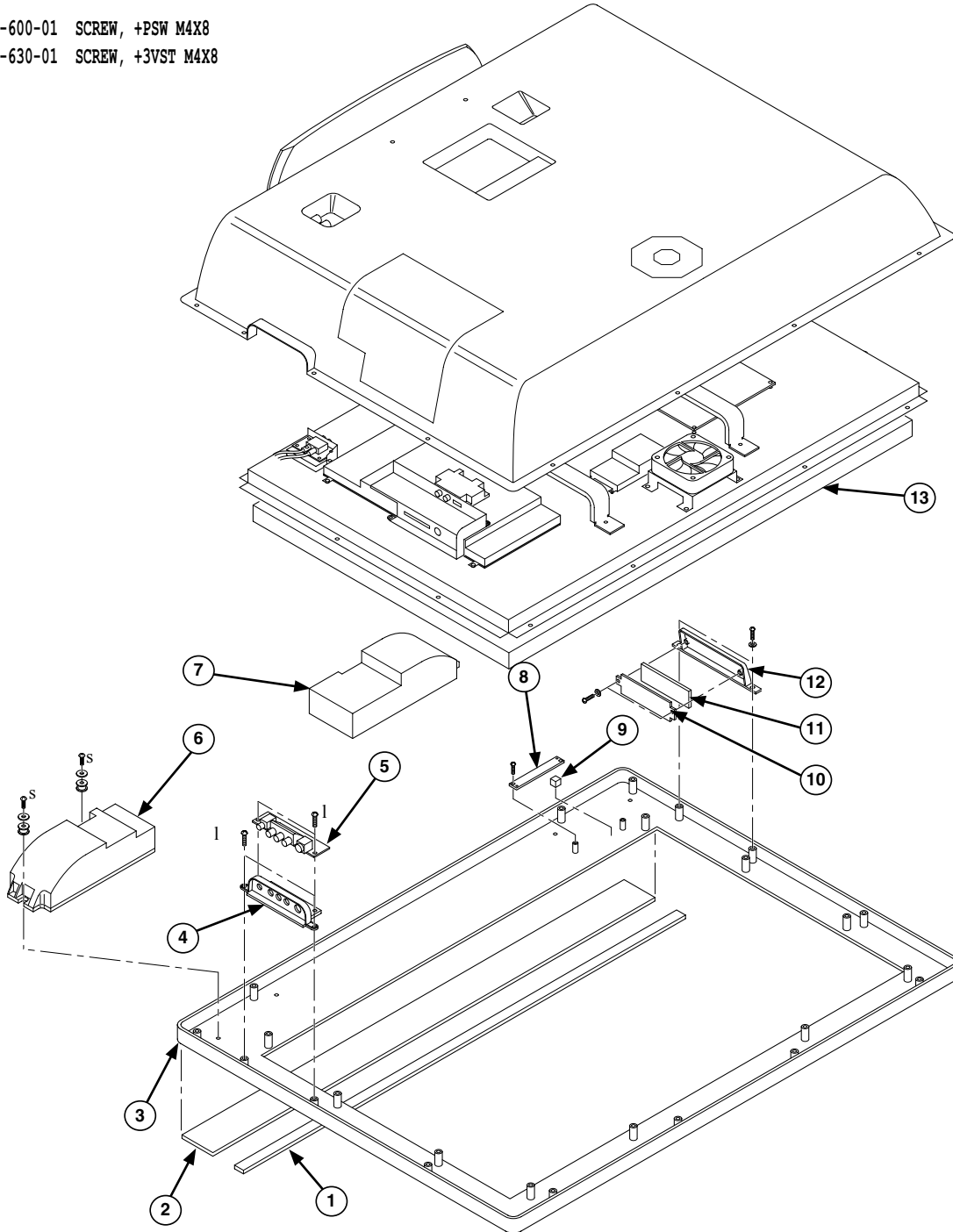
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces du numéro spécifié.

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

5-1. CHASSIS

- s 2-580-600-01 SCREW, +PSW M4X8
- l 2-580-630-01 SCREW, +3VST M4X8



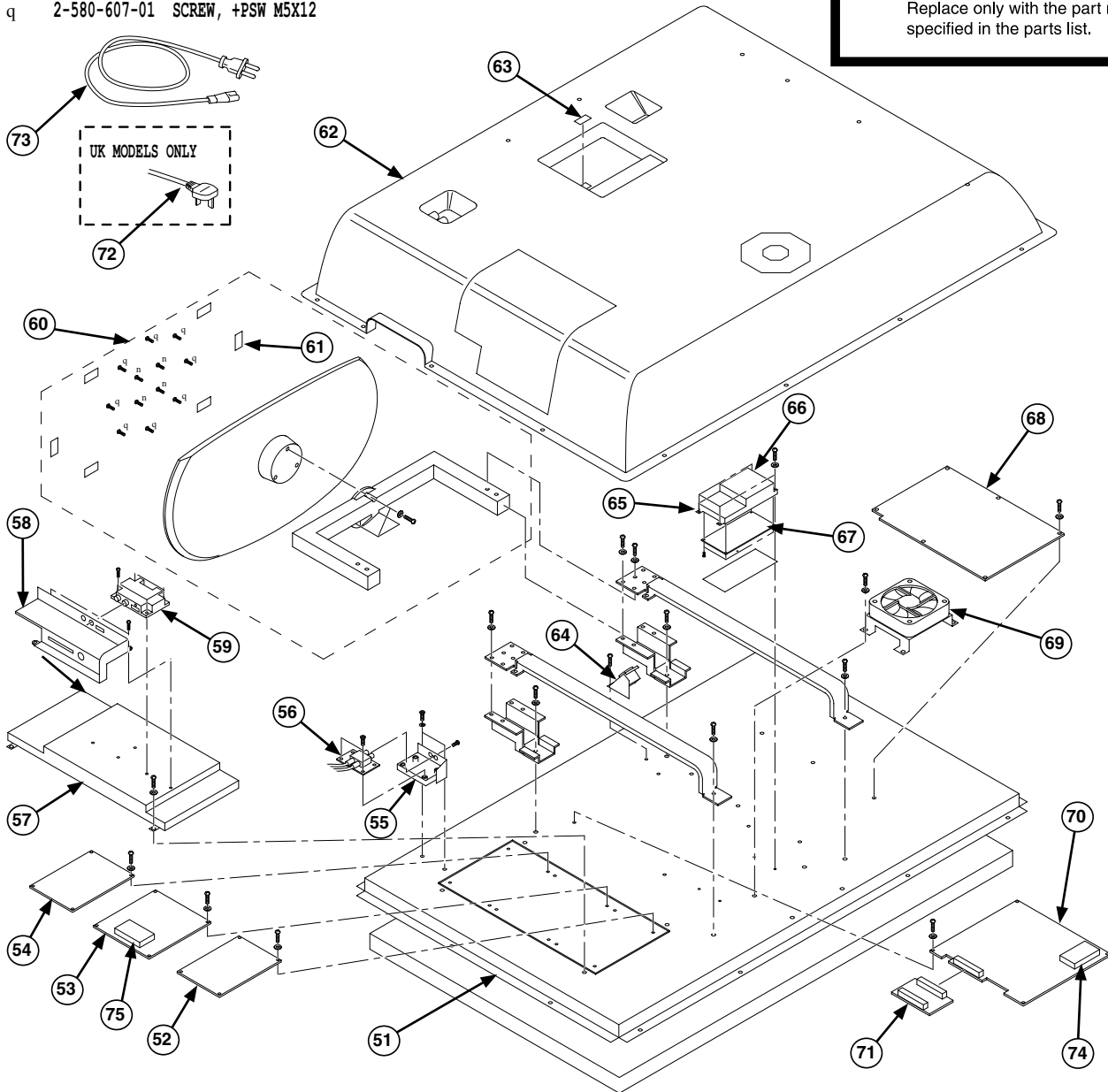
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	2-581-419-11	ORNAMENTAL PANEL (KDL-V40A12U)		7	1-826-132-21	LOUDSPEAKER (R)	
	2-581-419-11	ORNAMENTAL PANEL (KLV-V40A10E)		8	*A-1090-222-A	H7 BOARD, COMPLETE	
2	2-581-418-03	SPEAKER GRILLE (40)		9	2-581-349-04	GUIDE, LIGHT	
3	X-2050-368-5	BEZEL ASSY		10	*A-1090-221-A	H6 BOARD, COMPLETE	
4	*2-581-342-12	HOLDER, SIDE TERMINAL		11	2-581-348-02	BUTTON, MULTI	
5	*A-1090-223-A	H8 BOARD, COMPLETE		12	2-581-344-13	BRACKET, MULTI BUTTON	
6	1-826-132-11	LOUDSPEAKER (L)		13	1-805-879-11	PANEL, LCD	

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces du numéro spécifié.

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

5-2. DISPLAY

- n 3-254-144-11 SCREW (B3), (+)EV TAPPING
- q 2-580-607-01 SCREW, +PSW M5X12



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	*X-2050-372-2	CHASSIS BRACKET ASSY		63	4-094-922-41	COVER, ECS (15V)	
52	*A-1110-611-B	NP1 BOARD, COMPLETE (KDL-V40A12U)		64	Δ 1-819-554-11	INLET, AC (WITH NOISE FILTER)	
	*A-1086-133-B	NP1 BOARD, COMPLETE (KLV-V40A10E)		65	2-595-142-01	SHIELD (LOWER) K	
53	*A-1101-788-C	N BOARD, COMPLETE (KDL-V40A12U ONLY)		66	2-595-143-01	SHIELD (UPPER) KD	
54	*A-1101-820-B	BL BOARD, COMPLETE		67	*A-1086-130-B	KD BOARD, COMPLETE	
55	*2-595-150-02	BRACKET (40A-DIG), RF		68	*A-1142-496-A	G3L BOARD, COMPLETE	
	*2-595-151-02	BRACKET (40A-ANA), RF		69	*1-787-393-11	D.C. FAN	
56	*A-1090-224-A	RF BOARD, COMPLETE (KDL-V40A12U ONLY)		70	*A-1086-128-E	A2 BOARD, COMPLETE (KDL-V40A12U)	
57	*2-595-154-02	SHIELD (UPPER A), HDMI			*A-1101-816-E	A2 BOARD, COMPLETE (KLV-V40A10E)	
58	*2-581-437-12	HOLDER, DIGITAL TERMINAL (KDL-V40A12U)		71	*A-1092-443-B	J2 BOARD, COMPLETE	
	*2-581-437-22	HOLDER, DIGITAL TERMINAL (KLV-V40A10E)		72	Δ 1-824-337-21	POWER-SUPPLY CORD FERRITE (KDL-V40A12U)	
59	*A-1115-078-B	P BOARD, COMPLETE		73	Δ 1-824-338-21	POWER-SUPPLY CORD FERRITE (KLV-V40A10E)	
60	X-2050-187-2	STAND ASSY	61	74	8-597-993-00	TUNER, FSS BTF-EF412Z	
61	2-590-249-01	FOOT		75	8-597-997-00	TUNER, FSS BTP-DC412Z (KDL-V40A12U)	
62	X-2050-369-2	REAR COVER ASSY					

SECTION 6 ELECTRICAL PARTS LIST

PARTS LISTING TABLE OF CONTENTS

	<u>Page</u>
A2 BOARD COMMON Parts List :	70
Model	Parts that belong only to the model specified
KLV-V40A10E	81
KDL-V40A12U	81
H8 BOARD COMPLETE Parts List :	82
N BOARD COMPLETE Parts List :	83
NP1 BOARD COMPLETE Parts List :	89
Model	Parts that belong only to the model specified
KLV-V40A10E	91
KDL-V40A12U	92
H6 BOARD COMPLETE Parts List :	93
H7 BOARD COMPLETE Parts List :	93
G3L BOARD COMPLETE Parts List :	94
MISCELLANEOUS :	99
ACCESSORIES AND PACKAGING MATERIALS :	99
REMOTE COMMANDER :	99

Note: The BL, J2, KD, P and RF Board Schematic Diagrams, Printed Wiring Boards and Parts Lists are not indicated in this manual as they are regarded as non service items for exchange only.

Note : Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-1101-816-E A2 Board, Complete KLV-V40A10E				C4046	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
*A-1086-128-E A2 Board, Complete KDL-V40A12U				C4047	1-165-669-21	ELECT CHIP 220UF	20% 6.3V
A2 Board, Common Parts				C4048	1-165-669-21	ELECT CHIP 220UF	20% 6.3V
	4-382-854-01	SCREW (M3X8), P, SW (+)		C4050	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
	6-805-283-01	M27W201-80K6-ATX100		C4052	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
	< CAPACITOR >			C4053	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4002	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C4055	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4004	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4056	1-135-346-21	ELECT CHIP 39UF	20% 16V
C4005	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4057	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C4006	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4058	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C4007	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4101	1-137-765-21	ELECT CHIP 47UF	20% 16V
C4008	1-128-528-11	ELECT 470UF	20% 25V	C4103	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C4009	1-100-118-21	ELECT CHIP 82UF	20% 16V	C4104	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C4010	1-128-528-11	ELECT 470UF	20% 25V	C4107	1-162-907-11	CERAMIC CHIP 2PF	0.25PF 50V
C4011	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4108	1-162-907-11	CERAMIC CHIP 2PF	0.25PF 50V
C4012	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4109	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4013	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4110	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4014	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4111	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4015	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4112	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4016	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4115	1-137-765-21	ELECT CHIP 47UF	20% 16V
C4017	1-162-967-11	CERAMIC CHIP 0.0033UF	10.00% 50V	C4116	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4018	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4117	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4019	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4119	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4020	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4120	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4021	1-127-573-11	CERAMIC CHIP 1UF	10% 16V	C4122	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4022	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4123	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4023	1-162-967-11	CERAMIC CHIP 0.0033UF	10.00% 50V	C4124	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4024	1-135-349-21	ELECT CHIP 22UF	20% 20V	C4125	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4025	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V	C4127	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4026	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V	C4128	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4028	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4130	1-137-765-21	ELECT CHIP 47UF	20% 16V
C4029	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V	C4132	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4030	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V	C4135	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4031	1-127-820-11	CERAMIC CHIP 4.7UF	10% 16V	C4136	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4032	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4137	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4033	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4139	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
C4034	1-135-960-91	CERAMIC CHIP 10UF	10% 25V	C4141	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
C4035	1-135-372-31	ELECT 470UF	20% 10V	C4143	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C4037	1-135-960-91	CERAMIC CHIP 10UF	10% 25V	C4144	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V
C4038	1-135-960-91	CERAMIC CHIP 10UF	10% 25V	C4145	1-137-765-21	ELECT CHIP 47UF	20% 16V
C4039	1-128-359-11	ELECT CHIP 100UF	20.00% 10V	C4146	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C4040	1-128-359-11	ELECT CHIP 100UF	20.00% 10V	C4147	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
C4041	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4148	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4042	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4149	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4043	1-128-360-11	ELECT CHIP 220UF	20.00% 10V	C4152	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C4044	1-128-360-11	ELECT CHIP 220UF	20.00% 10V	C4153	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4045	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4154	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
				C4155	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
				C4168	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
				C4178	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C4179	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4429	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4183	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C4430	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4301	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C4431	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
C4302	1-100-597-91	CERAMIC CHIP 0.1UF	10.00% 25V	C4432	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4303	1-117-681-11	ELECT CHIP 100UF	20.00% 16V	C4433	1-107-726-91	CERAMIC CHIP 0.01UF	10.00% 16V
C4304	1-126-395-11	ELECT CHIP 22UF	20.00% 16V	C4434	1-107-726-91	CERAMIC CHIP 0.01UF	10.00% 16V
C4305	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4601	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4306	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4602	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4307	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4603	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4308	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C4604	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4310	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4606	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4312	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4607	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4313	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C4608	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4314	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C4609	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4315	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4610	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4316	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4611	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4317	1-100-597-91	CERAMIC CHIP 0.1UF	10.00% 25V	C4612	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C4318	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C4613	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4319	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C4614	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4320	1-137-894-21	ELECT CHIP 470UF	20% 25V	C4615	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4321	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4616	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4322	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4617	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4323	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4618	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4324	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C4619	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4325	1-128-304-11	ELECT CHIP 330UF	20.00% 16V	C4620	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4327	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C4621	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4328	1-128-304-11	ELECT CHIP 330UF	20.00% 16V	C4622	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4329	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C4626	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4401	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C4627	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4402	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4637	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4403	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4638	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4404	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C4639	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4405	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C4640	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4407	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4642	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4409	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4643	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4411	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4644	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4645	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4413	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4646	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C4414	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C4647	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4417	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C4648	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4418	1-162-920-11	CERAMIC CHIP 27PF	5.00% 50V	C4649	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C4419	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4650	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4420	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4651	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4422	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V	C4652	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4423	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C4653	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4424	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V	C4654	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4425	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4658	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4426	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4659	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4427	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4661	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C4428	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C4662	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C4664	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4843	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4665	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4844	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4666	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4845	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4667	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4846	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4669	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4850	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4670	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4851	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4671	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4852	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C4672	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C4853	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C4673	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V	C4854	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C4674	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C4855	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4675	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C4858	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4676	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C4859	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4677	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4860	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4678	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4861	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4679	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C4862	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V
C4680	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C4863	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V
C4681	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C4864	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V
C4685	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4865	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V
C4701	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C4866	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4702	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C4867	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4801	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4868	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C4802	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4869	1-128-360-11	ELECT CHIP 220UF	20.00% 10V
C4803	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4870	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C4804	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4871	1-100-597-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4805	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4872	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4806	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C4873	1-137-993-21	ELECT CHIP 470UF	20% 16V
C4807	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4874	1-137-993-21	ELECT CHIP 470UF	20% 16V
C4808	1-126-205-11	ELECT CHIP 47UF	20.00% 6.3V	C4875	1-137-993-21	ELECT CHIP 470UF	20% 16V
C4811	1-126-205-11	ELECT CHIP 47UF	20.00% 6.3V	C4901	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C4814	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4902	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C4815	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4903	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4819	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4904	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C4824	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4920	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4825	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4923	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4826	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V	C4924	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V
C4827	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4925	1-126-405-11	ELECT CHIP 10UF	20.00% 50V
C4828	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4926	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V
C4829	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4927	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C4830	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4928	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C4832	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C4931	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4833	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C4932	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C4834	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4933	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C4835	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C4934	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C4836	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C4935	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C4837	1-126-601-11	ELECT CHIP 2.2UF	20.00% 50V	C4936	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C4838	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V	C4937	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C4839	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C4938	1-164-161-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C4840	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4939	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C4841	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4942	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4842	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C4943	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5108	1-164-156-11	CERAMIC CHIP 0.1UF	25V	D4101	8-719-056-85	DIODE UDZ-TE-17-8.2B	
C5109	1-104-905-11	CAPACITOR 0.22F	5.5V	D4102	8-719-056-85	DIODE UDZ-TE-17-8.2B	
C5121	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	D4301	8-719-081-97	DIODE MMDL914T1	
C5122	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	D4302	8-719-081-97	DIODE MMDL914T1	
C5123	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	D4303	8-719-081-97	DIODE MMDL914T1	
C5124	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	D4304	8-719-914-44	DIODE DAP202K	
C5201	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D4306	8-719-081-97	DIODE MMDL914T1	
C5202	1-135-346-21	ELECT CHIP 39UF	20% 16V	D4307	8-719-081-97	DIODE MMDL914T1	
C5203	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4309	8-719-081-97	DIODE MMDL914T1	
C5204	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4310	8-719-081-97	DIODE MMDL914T1	
C5205	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4401	8-719-404-50	DIODE MA111-TX	
C5206	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4601	8-719-069-60	DIODE UDZSTE-179.1B	
C5207	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4602	8-719-083-82	DIODE UDZS-TE17-12B	
C5208	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4606	8-719-069-60	DIODE UDZSTE-179.1B	
C5209	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	D4607	8-719-069-60	DIODE UDZSTE-179.1B	
C5210	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	D4608	8-719-069-60	DIODE UDZSTE-179.1B	
C5211	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	D4609	8-719-069-60	DIODE UDZSTE-179.1B	
C5213	1-164-505-11	CERAMIC CHIP 2.2UF	16V	D4610	8-719-069-60	DIODE UDZSTE-179.1B	
C5216	1-164-505-11	CERAMIC CHIP 2.2UF	16V	D4611	8-719-069-60	DIODE UDZSTE-179.1B	
C5217	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	D4613	8-719-069-60	DIODE UDZSTE-179.1B	
C5218	1-100-597-91	CERAMIC CHIP 0.1UF	10.00% 25V	D4614	8-719-069-60	DIODE UDZSTE-179.1B	
C5219	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	D4618	8-719-069-60	DIODE UDZSTE-179.1B	
C5220	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	D4619	8-719-083-82	DIODE UDZS-TE17-12B	
C5221	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	D4623	8-719-069-60	DIODE UDZSTE-179.1B	
C5222	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D4624	8-719-069-60	DIODE UDZSTE-179.1B	
C5223	1-164-505-11	CERAMIC CHIP 2.2UF	16V	D4625	8-719-069-60	DIODE UDZSTE-179.1B	
C5224	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V	D4626	8-719-069-60	DIODE UDZSTE-179.1B	
C5226	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V	D4627	8-719-069-60	DIODE UDZSTE-179.1B	
C5227	1-100-742-91	CERAMIC CHIP 2.2UF	20% 10V	D4628	8-719-069-60	DIODE UDZSTE-179.1B	
				D4630	8-719-069-60	DIODE UDZSTE-179.1B	
		< CONNECTOR >					
CN4001	1-779-992-11	PIN, CONNECTOR (PWB) 8P		D4631	8-719-069-60	DIODE UDZSTE-179.1B	
CN4002	*1-818-656-21	HEADER ASSEMBLY 30P		D4632	8-719-083-82	DIODE UDZS-TE17-12B	
CN4504	*1-695-890-21	PIN, CONNECTOR (PC BOARD) 12P		D4636	8-719-069-60	DIODE UDZSTE-179.1B	
CN4601	*1-417-602-11	SOCKET 21PIN		D4637	8-719-069-60	DIODE UDZSTE-179.1B	
CN4602	*1-417-602-11	SOCKET 21PIN		D4638	8-719-069-60	DIODE UDZSTE-179.1B	
CN4603	*1-417-602-11	SOCKET 21PIN		D4639	8-719-069-60	DIODE UDZSTE-179.1B	
CN4605	1-764-087-21	PIN, CONNECTOR (PC BOARD) 14P		D4640	8-719-069-60	DIODE UDZSTE-179.1B	
CN4606	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P		D4641	8-719-069-60	DIODE UDZSTE-179.1B	
CN4801	1-766-382-21	PIN, CONNECTOR (1.5MM) (SMD)10P		D4921	8-719-083-87	DIODE UDZS-TE17-33B	
CN4802	1-779-936-21	CONNECTOR, FFC/FPC 18P		D4923	8-719-081-97	DIODE MMDL914T1	
CN5104	*1-817-097-21	PIN, CONNECTOR (1.5MM) (SMD)13P		D5101	8-719-081-97	DIODE MMDL914T1	
				D5102	8-719-081-97	DIODE MMDL914T1	
		< DIODE >				< FERRITE BEAD >	
D4001	8-719-073-34	DIODE EC21QS03L-TE12L		FB4001	1-469-775-21	FERRITE	0UH
D4002	6-500-579-01	DIODE PTZ-TE25-6.8B		FB4002	1-469-775-21	FERRITE	0UH
D4003	6-500-294-01	DIODE PTZ-TE25-3.9B		FB4003	1-469-775-21	FERRITE	0UH
D4004	6-500-295-01	DIODE PTZ-TE25-5.6B		FB4004	1-469-775-21	FERRITE	0UH
D4005	8-719-081-99	DIODE MM3Z13VT1		FB4102	1-414-921-11	FERRITE	0UH

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

A2

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
FB4103	1-543-949-22	FERRITE	Ouh	IC4802	6-706-805-01	IC TL52055DR	
FB4113	1-500-284-21	FERRITE	Ouh	IC4803	6-706-805-01	IC TL52055DR	
FB4114	1-414-921-11	FERRITE	Ouh	IC4804	6-701-172-01	IC MC74LVXT4052DTR2	
FB4401	1-414-445-11	FERRITE	Ouh	IC4805	8-759-687-14	IC MAX4451EKA-TG069	
FB4402	1-469-775-21	FERRITE	Ouh	IC4806	8-759-687-14	IC MAX4451EKA-TG069	
FB4601	1-400-333-21	FERRITE	Ouh	IC4807	8-752-106-86	IC CXA2181Q-T6	
FB4602	1-400-333-21	FERRITE	Ouh	IC4810	8-759-598-44	IC TC7WH08FK (TE85R)	
FB4603	1-400-333-21	FERRITE	Ouh	IC4901	8-759-514-57	IC BA7046F	
FB4901	1-414-445-11	FERRITE	Ouh	IC5201	8-752-080-04	IC CXA2069Q	
FB4920	1-469-775-21	FERRITE	Ouh	IC5202	8-759-082-60	IC TC7S66FU	
FB4921	1-414-921-11	FERRITE	Ouh			< SOCKET >	
FB4922	1-414-921-11	FERRITE	Ouh				
FB4923	1-414-921-11	FERRITE	Ouh	J4601	1-819-354-11	PHONO JACK 5P	
FB4924	1-414-445-11	FERRITE	Ouh	J4602	1-819-327-11	PHONO JACK 2P	
FB4925	1-414-445-11	FERRITE	Ouh			< COIL >	
FB5101	1-469-775-21	FERRITE	Ouh	L4001	1-406-657-11	INDUCTOR	4.7UH
FB5102	1-469-775-21	FERRITE	Ouh	L4003	1-400-323-21	INDUCTOR	47UH
FB5103	1-469-775-21	FERRITE	Ouh	L4004	1-424-758-21	INDUCTOR	10UH
FB5104	1-469-775-21	FERRITE	Ouh	L4005	1-424-758-21	INDUCTOR	10UH
FB5105	1-469-775-21	FERRITE	Ouh	L4101	1-412-029-11	INDUCTOR	10UH
FB5106	1-469-775-21	FERRITE	Ouh	L4102	1-412-029-11	INDUCTOR	10UH
FB5107	1-469-775-21	FERRITE	Ouh	L4103	1-412-029-11	INDUCTOR	10UH
FB5108	1-469-775-21	FERRITE	Ouh	L4301	1-412-058-11	INDUCTOR	10UH
	< FILTER >			L4302	1-412-991-31	INDUCTOR	10UH
FL4101	1-236-071-11	ENCAPSULATED COMPONENT		L4401	1-412-030-11	INDUCTOR	22UH
	< IC >			L4402	1-412-030-11	INDUCTOR	22UH
IC4001	8-759-564-82	IC BA09ST-V5		L4403	1-412-030-11	INDUCTOR	22UH
IC4002	8-759-564-82	IC BA09ST-V5		L4404	1-412-030-11	INDUCTOR	22UH
IC4003	6-703-249-01	IC SN105233DBTR		L4405	1-412-029-11	INDUCTOR	10UH
IC4004	6-704-407-01	IC P01CZ41H2ZPH		L4406	1-412-029-11	INDUCTOR	10UH
IC4005	6-705-464-01	IC BA50BC0T		L4407	1-412-029-11	INDUCTOR	10UH
IC4006	6-705-464-01	IC BA50BC0T		L4408	1-412-029-11	INDUCTOR	10UH
IC4007	6-705-466-01	IC BA90BC0T		L4409	1-412-029-11	INDUCTOR	10UH
IC4102	6-708-263-01	IC MSP4411K-QA-D5-401		L4801	1-412-029-11	INDUCTOR	10UH
IC4105	8-759-198-31	IC UPC1093J-1-T		L4802	1-412-029-11	INDUCTOR	10UH
IC4301	8-759-278-58	IC NJM4558V-TE2		L4804	1-469-525-91	INDUCTOR	10UH
IC4302	8-759-359-49	IC NJM3414AV (TE2)		L4805	1-412-029-11	INDUCTOR	10UH
IC4401	6-705-468-01	IC BA33BC0FP-E2		L4806	1-469-525-91	INDUCTOR	10UH
IC4402	6-704-607-01	IC M24C16-WMN6T (B)		L4901	1-412-029-11	INDUCTOR	10UH
IC4403	6-702-515-01	IC SAA5665HL/M1D/0724		L4902	1-412-990-41	INDUCTOR	8.2UH
IC4404	6-706-419-01	IC LM393DT (A)		L4923	1-412-029-11	INDUCTOR	10UH
IC4405	8-759-672-39	IC PST5731MT		L4924	1-412-029-11	INDUCTOR	10UH
IC4406	6-706-484-01	IC TC7SH04FU (T5RSOYJF)		L5201	1-412-029-11	INDUCTOR	10UH
IC4407	6-706-491-01	IC TC7SH86FU (T5RSOYJF)		L5204	1-412-029-11	INDUCTOR	10UH
IC4408	6-705-950-01	IC K6F2008V2E-LF70000				< PROTECTOR MODULE >	
IC4409	8-759-523-81	IC TC74VHC08FT (EL)		PS4001 Δ	1-533-596-11	IC LINK	4A 90V
IC4410	1-540-151-21	SOCKET, IC		PS4002 Δ	1-533-593-42	IC LINK	2A 90V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< TRANSISTOR >				R4017	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q4001	6-550-222-01	TRANSISTOR IRF7335D1-TR		R4018	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q4002	6-550-222-01	TRANSISTOR IRF7335D1-TR		R4019	1-218-857-11	METAL CHIP	2.7K 0.5% 1/10W
Q4003	8-729-907-00	TRANSISTOR DTC114EU		R4020	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q4004	8-729-054-36	TRANSISTOR UPA1716G-E2		R4021	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q4101	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R4022	1-218-857-11	METAL CHIP	2.7K 0.5% 1/10W
Q4301	8-729-422-29	TRANSISTOR 2SD601A-S		R4023	1-218-835-11	METAL CHIP	330 0.5% 1/10W
Q4304	8-729-422-29	TRANSISTOR 2SD601A-S		R4024	1-218-856-11	METAL CHIP	2.4K 0.5% 1/10W
Q4305	8-729-422-29	TRANSISTOR 2SD601A-S		R4025	1-216-864-11	SHORT CHIP	0
Q4307	6-550-586-01	TRANSISTOR 2PA1576R-115		R4026	1-218-835-11	METAL CHIP	330 0.5% 1/10W
Q4308	6-550-644-01	TRANSISTOR SSM3K14T-FE85L		R4027	1-218-881-11	METAL CHIP	27K 0.5% 1/10W
Q4309	6-550-644-01	TRANSISTOR SSM3K14T-FE85L		R4028	1-218-883-11	METAL CHIP	33K 0.5% 1/10W
Q4310	6-550-586-01	TRANSISTOR 2PA1576R-115		R4029	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q4314	6-550-586-01	TRANSISTOR 2PA1576R-115		R4030	1-216-864-11	SHORT CHIP	0
Q4315	8-729-422-29	TRANSISTOR 2SD601A-S		R4031	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q4316	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R4032	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q4317	8-729-422-29	TRANSISTOR 2SD601A-S		R4033	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q4402	8-729-424-08	TRANSISTOR UN2111		R4034	1-216-295-91	SHORT CHIP	0
Q4403	8-729-421-22	TRANSISTOR UN2211		R4035	1-216-295-91	SHORT CHIP	0
Q4404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4036	1-218-860-11	METAL CHIP	3.6K 0.5% 1/10W
Q4801	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4037	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
Q4804	6-550-586-01	TRANSISTOR 2PA1576R-115		R4039	1-216-799-11	METAL CHIP	15 5% 1/10W
Q4901	6-550-585-01	TRANSISTOR 2PC4081R-115		R4040	1-216-799-11	METAL CHIP	15 5% 1/10W
Q4902	6-550-586-01	TRANSISTOR 2PA1576R-115		R4041	1-216-295-91	SHORT CHIP	0
Q4921	8-729-010-05	TRANSISTOR MSB709-RT1		R4042	1-216-295-91	SHORT CHIP	0
Q4923	8-729-010-29	TRANSISTOR MSD601-RST1		R4043	1-216-295-91	SHORT CHIP	0
Q4924	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4044	1-216-295-91	SHORT CHIP	0
Q4926	8-729-010-05	TRANSISTOR MSB709-RT1		R4045	1-216-295-91	SHORT CHIP	0
Q4927	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4046	1-216-847-11	METAL CHIP	150K 5% 1/10W
Q5201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4047	1-216-839-11	METAL CHIP	33K 5% 1/10W
Q5202	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4101	1-216-864-11	SHORT CHIP	0
Q5203	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4102	1-216-864-11	SHORT CHIP	0
Q5205	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4103	1-216-864-11	SHORT CHIP	0
Q5206	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4108	1-216-864-11	SHORT CHIP	0
Q5207	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4113	1-216-864-11	SHORT CHIP	0
Q5209	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4114	1-216-864-11	SHORT CHIP	0
< RESISTOR >				R4115	1-216-864-11	SHORT CHIP	0
R4005	1-216-295-91	SHORT CHIP	0	R4116	1-216-864-11	SHORT CHIP	0
R4006	1-216-295-91	SHORT CHIP	0	R4117	1-216-864-11	SHORT CHIP	0
R4007	1-216-864-11	SHORT CHIP	0	R4118	1-216-864-11	SHORT CHIP	0
R4008	1-216-864-11	SHORT CHIP	0	R4119	1-216-864-11	SHORT CHIP	0
R4010	1-218-871-11	METAL CHIP	10K 0.5% 1/10W	R4120	1-216-864-11	SHORT CHIP	0
R4011	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W	R4121	1-216-864-11	SHORT CHIP	0
R4012	1-218-871-11	METAL CHIP	10K 0.5% 1/10W	R4122	1-216-864-11	SHORT CHIP	0
R4013	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W	R4124	1-216-809-11	METAL CHIP	100 5% 1/10W
R4014	1-218-871-11	METAL CHIP	10K 0.5% 1/10W	R4125	1-216-815-11	METAL CHIP	330 5% 1/10W
R4015	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R4127	1-216-864-11	SHORT CHIP	0
R4016	1-216-295-91	SHORT CHIP	0	R4128	1-216-805-11	METAL CHIP	47 5% 1/10W
				R4129	1-216-809-11	METAL CHIP	100 5% 1/10W
				R4131	1-216-835-11	METAL CHIP	15K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R4133	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4323	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4136	1-216-864-11	SHORT CHIP	0	R4324	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4138	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4325	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4140	1-216-835-11	METAL CHIP	15K 5% 1/10W	R4326	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R4143	1-216-838-11	METAL CHIP	27K 5% 1/10W	R4327	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4146	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4328	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4148	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4329	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4149	1-216-838-11	METAL CHIP	27K 5% 1/10W	R4330	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4155	1-216-841-11	METAL CHIP	47K 5% 1/10W	R4331	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4163	1-216-809-11	METAL CHIP	100 5% 1/10W	R4332	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4165	1-216-809-11	METAL CHIP	100 5% 1/10W	R4333	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4166	1-216-805-11	METAL CHIP	47 5% 1/10W	R4334	1-216-822-11	METAL CHIP	1.2K 5% 1/10W
R4167	1-216-805-11	METAL CHIP	47 5% 1/10W	R4335	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4168	1-216-807-11	METAL CHIP	68 5% 1/10W	R4336	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4169	1-216-807-11	METAL CHIP	68 5% 1/10W	R4337	1-216-822-11	METAL CHIP	1.2K 5% 1/10W
R4172	1-216-864-11	SHORT CHIP	0	R4338	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4174	1-216-864-11	SHORT CHIP	0	R4339	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4175	1-216-864-11	SHORT CHIP	0	R4340	1-216-822-11	METAL CHIP	1.2K 5% 1/10W
R4176	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4341	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4178	1-216-821-11	METAL CHIP	1K 5% 1/10W	R4342	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4180	1-216-864-11	SHORT CHIP	0	R4343	1-216-822-11	METAL CHIP	1.2K 5% 1/10W
R4181	1-216-864-11	SHORT CHIP	0	R4344	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4183	1-216-809-11	METAL CHIP	100 5% 1/10W	R4345	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R4194	1-216-864-11	SHORT CHIP	0	R4346	1-216-864-11	SHORT CHIP	0
R4195	1-216-864-11	SHORT CHIP	0	R4348	1-216-837-11	METAL CHIP	22K 5% 1/10W
R4198	1-216-864-11	SHORT CHIP	0	R4349	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R4199	1-216-864-11	SHORT CHIP	0	R4351	1-216-838-11	METAL CHIP	27K 5% 1/10W
R4205	1-216-864-11	SHORT CHIP	0	R4353	1-218-877-11	METAL CHIP	18K 0.5% 1/10W
R4206	1-216-864-11	SHORT CHIP	0	R4354	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4209	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4360	1-216-864-11	SHORT CHIP	0
R4301	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R4366	1-216-837-11	METAL CHIP	22K 5% 1/10W
R4302	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R4367	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R4303	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R4368	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4304	1-218-873-11	METAL CHIP	12K 0.5% 1/10W	R4371	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4305	1-216-821-11	METAL CHIP	1K 5% 1/10W	R4372	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4306	1-216-864-11	SHORT CHIP	0	R4373	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4307	1-216-864-11	SHORT CHIP	0	R4375	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4308	1-216-841-11	METAL CHIP	47K 5% 1/10W	R4376	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4309	1-216-841-11	METAL CHIP	47K 5% 1/10W	R4377	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4312	1-216-821-11	METAL CHIP	1K 5% 1/10W	R4403	1-216-864-11	SHORT CHIP	0
R4313	1-218-747-11	METAL CHIP	200K 0.5% 1/10W	R4404	1-216-864-11	SHORT CHIP	0
R4314	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4409	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4315	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4410	1-216-845-11	METAL CHIP	100K 5% 1/10W
R4316	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4411	1-216-845-11	METAL CHIP	100K 5% 1/10W
R4317	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4412	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R4318	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4413	1-216-809-11	METAL CHIP	100 5% 1/10W
R4319	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4414	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4320	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4415	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4321	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4416	1-216-809-11	METAL CHIP	100 5% 1/10W
R4322	1-216-853-11	METAL CHIP	470K 5% 1/10W	R4417	1-216-829-11	METAL CHIP	4.7K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R4418	1-216-821-11	METAL CHIP	1K 5% 1/10W	R4471	1-216-809-11	METAL CHIP	100 5% 1/10W
R4419	1-216-809-11	METAL CHIP	100 5% 1/10W	R4472	1-216-810-11	METAL CHIP	120 5% 1/10W
R4421	1-216-809-11	METAL CHIP	100 5% 1/10W	R4473	1-216-809-11	METAL CHIP	100 5% 1/10W
R4423	1-216-809-11	METAL CHIP	100 5% 1/10W	R4474	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4424	1-216-864-11	SHORT CHIP	0	R4475	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4425	1-216-809-11	METAL CHIP	100 5% 1/10W	R4476	1-216-810-11	METAL CHIP	120 5% 1/10W
R4426	1-216-809-11	METAL CHIP	100 5% 1/10W	R4477	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4427	1-216-809-11	METAL CHIP	100 5% 1/10W	R4478	1-216-809-11	METAL CHIP	100 5% 1/10W
R4428	1-216-864-11	SHORT CHIP	0	R4479	1-216-809-11	METAL CHIP	100 5% 1/10W
R4429	1-216-809-11	METAL CHIP	100 5% 1/10W	R4480	1-216-809-11	METAL CHIP	100 5% 1/10W
R4430	1-216-809-11	METAL CHIP	100 5% 1/10W	R4481	1-216-809-11	METAL CHIP	100 5% 1/10W
R4431	1-216-809-11	METAL CHIP	100 5% 1/10W	R4482	1-216-809-11	METAL CHIP	100 5% 1/10W
R4432	1-216-809-11	METAL CHIP	100 5% 1/10W	R4483	1-216-809-11	METAL CHIP	100 5% 1/10W
R4433	1-216-809-11	METAL CHIP	100 5% 1/10W	R4484	1-216-809-11	METAL CHIP	100 5% 1/10W
R4434	1-216-809-11	METAL CHIP	100 5% 1/10W	R4485	1-216-864-11	SHORT CHIP	0
R4435	1-216-809-11	METAL CHIP	100 5% 1/10W	R4486	1-216-809-11	METAL CHIP	100 5% 1/10W
R4436	1-216-809-11	METAL CHIP	100 5% 1/10W	R4487	1-216-810-11	METAL CHIP	120 5% 1/10W
R4437	1-216-864-11	SHORT CHIP	0	R4488	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4438	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R4489	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4439	1-216-817-11	METAL CHIP	470 5% 1/10W	R4490	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4440	1-216-809-11	METAL CHIP	100 5% 1/10W	R4491	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4441	1-216-809-11	METAL CHIP	100 5% 1/10W	R4492	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4442	1-216-809-11	METAL CHIP	100 5% 1/10W	R4493	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4444	1-216-809-11	METAL CHIP	100 5% 1/10W	R4494	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R4445	1-216-809-11	METAL CHIP	100 5% 1/10W	R4497	1-216-809-11	METAL CHIP	100 5% 1/10W
R4446	1-216-809-11	METAL CHIP	100 5% 1/10W	R4503	1-216-809-11	METAL CHIP	100 5% 1/10W
R4447	1-216-809-11	METAL CHIP	100 5% 1/10W	R4504	1-216-809-11	METAL CHIP	100 5% 1/10W
R4448	1-216-809-11	METAL CHIP	100 5% 1/10W	R4507	1-216-809-11	METAL CHIP	100 5% 1/10W
R4449	1-218-725-11	METAL CHIP	24K 0.5% 1/10W	R4601	1-216-813-11	METAL CHIP	220 5% 1/10W
R4450	1-216-809-11	METAL CHIP	100 5% 1/10W	R4602	1-216-813-11	METAL CHIP	220 5% 1/10W
R4451	1-216-809-11	METAL CHIP	100 5% 1/10W	R4603	1-216-813-11	METAL CHIP	220 5% 1/10W
R4452	1-216-809-11	METAL CHIP	100 5% 1/10W	R4604	1-216-813-11	METAL CHIP	220 5% 1/10W
R4453	1-216-809-11	METAL CHIP	100 5% 1/10W	R4605	1-216-813-11	METAL CHIP	220 5% 1/10W
R4454	1-216-809-11	METAL CHIP	100 5% 1/10W	R4606	1-216-813-11	METAL CHIP	220 5% 1/10W
R4455	1-216-809-11	METAL CHIP	100 5% 1/10W	R4607	1-216-813-11	METAL CHIP	220 5% 1/10W
R4456	1-216-809-11	METAL CHIP	100 5% 1/10W	R4608	1-216-814-11	METAL CHIP	270 5% 1/10W
R4457	1-216-809-11	METAL CHIP	100 5% 1/10W	R4609	1-216-815-11	METAL CHIP	330 5% 1/10W
R4458	1-216-809-11	METAL CHIP	100 5% 1/10W	R4610	1-216-814-11	METAL CHIP	270 5% 1/10W
R4459	1-216-809-11	METAL CHIP	100 5% 1/10W	R4611	1-216-815-11	METAL CHIP	330 5% 1/10W
R4460	1-216-809-11	METAL CHIP	100 5% 1/10W	R4612	1-218-285-11	METAL CHIP	75 5% 1/10W
R4461	1-216-809-11	METAL CHIP	100 5% 1/10W	R4613	1-216-809-11	METAL CHIP	100 5% 1/10W
R4462	1-216-809-11	METAL CHIP	100 5% 1/10W	R4614	1-216-837-11	METAL CHIP	22K 5% 1/10W
R4463	1-216-809-11	METAL CHIP	100 5% 1/10W	R4615	1-216-815-11	METAL CHIP	330 5% 1/10W
R4464	1-216-809-11	METAL CHIP	100 5% 1/10W	R4616	1-216-815-11	METAL CHIP	330 5% 1/10W
R4465	1-216-809-11	METAL CHIP	100 5% 1/10W	R4617	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4466	1-216-025-11	RES-CHIP	100 5% 1/10W	R4618	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4467	1-216-803-11	METAL CHIP	33 5% 1/10W	R4619	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4468	1-216-833-11	METAL CHIP	10K 5% 1/10W	R4620	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4469	1-216-803-11	METAL CHIP	33 5% 1/10W	R4621	1-216-809-11	METAL CHIP	100 5% 1/10W
R4470	1-216-803-11	METAL CHIP	33 5% 1/10W	R4622	1-216-809-11	METAL CHIP	100 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R4623	1-216-809-11	METAL CHIP	100 5% 1/10W	R4678	1-216-809-11	METAL CHIP	100 5% 1/10W
R4624	1-216-809-11	METAL CHIP	100 5% 1/10W	R4680	1-216-815-11	METAL CHIP	330 5% 1/10W
R4625	1-216-813-11	METAL CHIP	220 5% 1/10W	R4681	1-216-815-11	METAL CHIP	330 5% 1/10W
R4626	1-216-813-11	METAL CHIP	220 5% 1/10W	R4682	1-216-864-11	SHORT CHIP	0
R4627	1-216-813-11	METAL CHIP	220 5% 1/10W	R4683	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4628	1-216-834-11	METAL CHIP	12K 5% 1/10W	R4684	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4629	1-216-809-11	METAL CHIP	100 5% 1/10W	R4686	1-216-809-11	METAL CHIP	100 5% 1/10W
R4630	1-216-853-11	METAL CHIP	470K 5% 1/10W	R4687	1-216-809-11	METAL CHIP	100 5% 1/10W
R4631	1-216-853-11	METAL CHIP	470K 5% 1/10W	R4688	1-216-295-91	SHORT CHIP	0
R4632	1-216-813-11	METAL CHIP	220 5% 1/10W	R4689	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4633	1-216-813-11	METAL CHIP	220 5% 1/10W	R4690	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4634	1-216-813-11	METAL CHIP	220 5% 1/10W	R4692	1-216-813-11	METAL CHIP	220 5% 1/10W
R4635	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4693	1-216-813-11	METAL CHIP	220 5% 1/10W
R4636	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4694	1-216-813-11	METAL CHIP	220 5% 1/10W
R4637	1-216-809-11	METAL CHIP	100 5% 1/10W	R4695	1-216-813-11	METAL CHIP	220 5% 1/10W
R4638	1-216-813-11	METAL CHIP	220 5% 1/10W	R4696	1-216-813-11	METAL CHIP	220 5% 1/10W
R4639	1-216-813-11	METAL CHIP	220 5% 1/10W	R4697	1-216-813-11	METAL CHIP	220 5% 1/10W
R4640	1-216-813-11	METAL CHIP	220 5% 1/10W	R4698	1-216-813-11	METAL CHIP	220 5% 1/10W
R4642	1-216-864-11	SHORT CHIP	0	R4699	1-216-814-11	METAL CHIP	270 5% 1/10W
R4643	1-216-864-11	SHORT CHIP	0	R4700	1-216-815-11	METAL CHIP	330 5% 1/10W
R4644	1-216-864-11	SHORT CHIP	0	R4701	1-216-814-11	METAL CHIP	270 5% 1/10W
R4645	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4702	1-216-815-11	METAL CHIP	330 5% 1/10W
R4646	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4703	1-216-809-11	METAL CHIP	100 5% 1/10W
R4651	1-216-813-11	METAL CHIP	220 5% 1/10W	R4704	1-216-837-11	METAL CHIP	22K 5% 1/10W
R4652	1-216-813-11	METAL CHIP	220 5% 1/10W	R4705	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4653	1-216-813-11	METAL CHIP	220 5% 1/10W	R4706	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4654	1-216-813-11	METAL CHIP	220 5% 1/10W	R4707	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4655	1-216-813-11	METAL CHIP	220 5% 1/10W	R4708	1-216-853-11	METAL CHIP	470K 5% 1/10W
R4656	1-216-813-11	METAL CHIP	220 5% 1/10W	R4709	1-216-809-11	METAL CHIP	100 5% 1/10W
R4657	1-216-813-11	METAL CHIP	220 5% 1/10W	R4710	1-218-285-11	METAL CHIP	75 5% 1/10W
R4658	1-216-814-11	METAL CHIP	270 5% 1/10W	R4711	1-216-809-11	METAL CHIP	100 5% 1/10W
R4659	1-216-815-11	METAL CHIP	330 5% 1/10W	R4712	1-216-809-11	METAL CHIP	100 5% 1/10W
R4660	1-216-814-11	METAL CHIP	270 5% 1/10W	R4713	1-216-809-11	METAL CHIP	100 5% 1/10W
R4661	1-216-815-11	METAL CHIP	330 5% 1/10W	R4714	1-216-834-11	METAL CHIP	12K 5% 1/10W
R4662	1-218-285-11	METAL CHIP	75 5% 1/10W	R4715	1-216-809-11	METAL CHIP	100 5% 1/10W
R4663	1-216-809-11	METAL CHIP	100 5% 1/10W	R4716	1-216-809-11	METAL CHIP	100 5% 1/10W
R4664	1-216-837-11	METAL CHIP	22K 5% 1/10W	R4717	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4665	1-216-841-11	METAL CHIP	47K 5% 1/10W	R4718	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4666	1-216-853-11	METAL CHIP	470K 5% 1/10W	R4721	1-216-864-11	SHORT CHIP	0
R4667	1-216-841-11	METAL CHIP	47K 5% 1/10W	R4722	1-216-864-11	SHORT CHIP	0
R4668	1-216-853-11	METAL CHIP	470K 5% 1/10W	R4723	1-216-864-11	SHORT CHIP	0
R4669	1-216-809-11	METAL CHIP	100 5% 1/10W	R4724	1-216-864-11	SHORT CHIP	0
R4670	1-216-809-11	METAL CHIP	100 5% 1/10W	R4725	1-216-864-11	SHORT CHIP	0
R4671	1-216-809-11	METAL CHIP	100 5% 1/10W	R4727	1-216-864-11	SHORT CHIP	0
R4672	1-216-809-11	METAL CHIP	100 5% 1/10W	R4728	1-216-864-11	SHORT CHIP	0
R4673	1-216-834-11	METAL CHIP	12K 5% 1/10W	R4729	1-216-813-11	METAL CHIP	220 5% 1/10W
R4674	1-216-809-11	METAL CHIP	100 5% 1/10W	R4730	1-216-813-11	METAL CHIP	220 5% 1/10W
R4675	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4731	1-216-813-11	METAL CHIP	220 5% 1/10W
R4676	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R4732	1-216-813-11	METAL CHIP	220 5% 1/10W
R4677	1-216-809-11	METAL CHIP	100 5% 1/10W	R4733	1-216-813-11	METAL CHIP	220 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R4734	1-216-813-11	METAL CHIP	220 5% 1/10W	R4816	1-216-817-11	METAL CHIP	470 5% 1/10W
R4735	1-216-813-11	METAL CHIP	220 5% 1/10W	R4817	1-216-817-11	METAL CHIP	470 5% 1/10W
R4736	1-216-813-11	METAL CHIP	220 5% 1/10W	R4818	1-216-817-11	METAL CHIP	470 5% 1/10W
R4737	1-216-813-11	METAL CHIP	220 5% 1/10W	R4819	1-216-817-11	METAL CHIP	470 5% 1/10W
R4738	1-216-813-11	METAL CHIP	220 5% 1/10W	R4820	1-216-809-11	METAL CHIP	100 5% 1/10W
R4739	1-216-813-11	METAL CHIP	220 5% 1/10W	R4821	1-216-817-11	METAL CHIP	470 5% 1/10W
R4740	1-216-813-11	METAL CHIP	220 5% 1/10W	R4822	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R4741	1-216-813-11	METAL CHIP	220 5% 1/10W	R4824	1-216-864-11	SHORT CHIP	0
R4742	1-216-813-11	METAL CHIP	220 5% 1/10W	R4835	1-216-864-11	SHORT CHIP	0
R4743	1-216-813-11	METAL CHIP	220 5% 1/10W	R4845	1-216-809-11	METAL CHIP	100 5% 1/10W
R4744	1-216-813-11	METAL CHIP	220 5% 1/10W	R4846	1-216-809-11	METAL CHIP	100 5% 1/10W
R4745	1-216-813-11	METAL CHIP	220 5% 1/10W	R4847	1-216-809-11	METAL CHIP	100 5% 1/10W
R4746	1-216-813-11	METAL CHIP	220 5% 1/10W	R4848	1-218-285-11	METAL CHIP	75 5% 1/10W
R4747	1-216-813-11	METAL CHIP	220 5% 1/10W	R4849	1-218-285-11	METAL CHIP	75 5% 1/10W
R4748	1-216-813-11	METAL CHIP	220 5% 1/10W	R4850	1-216-813-11	METAL CHIP	220 5% 1/10W
R4749	1-216-813-11	METAL CHIP	220 5% 1/10W	R4851	1-218-285-11	METAL CHIP	75 5% 1/10W
R4750	1-216-813-11	METAL CHIP	220 5% 1/10W	R4852	1-216-813-11	METAL CHIP	220 5% 1/10W
R4751	1-216-813-11	METAL CHIP	220 5% 1/10W	R4853	1-218-285-11	METAL CHIP	75 5% 1/10W
R4752	1-216-813-11	METAL CHIP	220 5% 1/10W	R4854	1-216-864-11	SHORT CHIP	0
R4753	1-218-285-11	METAL CHIP	75 5% 1/10W	R4855	1-216-809-11	METAL CHIP	100 5% 1/10W
R4754	1-218-285-11	METAL CHIP	75 5% 1/10W	R4856	1-216-809-11	METAL CHIP	100 5% 1/10W
R4755	1-218-285-11	METAL CHIP	75 5% 1/10W	R4857	1-216-809-11	METAL CHIP	100 5% 1/10W
R4759	1-216-864-11	SHORT CHIP	0	R4858	1-216-809-11	METAL CHIP	100 5% 1/10W
R4760	1-216-864-11	SHORT CHIP	0	R4859	1-216-809-11	METAL CHIP	100 5% 1/10W
R4761	1-216-864-11	SHORT CHIP	0	R4860	1-216-809-11	METAL CHIP	100 5% 1/10W
R4762	1-216-864-11	SHORT CHIP	0	R4861	1-216-817-11	METAL CHIP	470 5% 1/10W
R4763	1-216-864-11	SHORT CHIP	0	R4862	1-218-285-11	METAL CHIP	75 5% 1/10W
R4766	1-216-864-11	SHORT CHIP	0	R4863	1-216-805-11	METAL CHIP	47 5% 1/10W
R4767	1-216-864-11	SHORT CHIP	0	R4864	1-216-805-11	METAL CHIP	47 5% 1/10W
R4768	1-216-864-11	SHORT CHIP	0	R4865	1-216-809-11	METAL CHIP	100 5% 1/10W
R4769	1-216-864-11	SHORT CHIP	0	R4866	1-216-809-11	METAL CHIP	100 5% 1/10W
R4770	1-216-864-11	SHORT CHIP	0	R4868	1-216-809-11	METAL CHIP	100 5% 1/10W
R4771	1-216-864-11	SHORT CHIP	0	R4869	1-216-817-11	METAL CHIP	470 5% 1/10W
R4772	1-216-864-11	SHORT CHIP	0	R4870	1-216-809-11	METAL CHIP	100 5% 1/10W
R4773	1-216-864-11	SHORT CHIP	0	R4871	1-216-817-11	METAL CHIP	470 5% 1/10W
R4776	1-216-864-11	SHORT CHIP	0	R4872	1-216-817-11	METAL CHIP	470 5% 1/10W
R4777	1-216-864-11	SHORT CHIP	0	R4874	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R4778	1-216-864-11	SHORT CHIP	0	R4876	1-216-864-11	SHORT CHIP	0
R4801	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	R4877	1-216-797-11	METAL CHIP	10 5% 1/10W
R4802	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	R4887	1-216-809-11	METAL CHIP	100 5% 1/10W
R4803	1-216-857-11	METAL CHIP	1M 5% 1/10W	R4888	1-216-809-11	METAL CHIP	100 5% 1/10W
R4804	1-216-857-11	METAL CHIP	1M 5% 1/10W	R4889	1-216-809-11	METAL CHIP	100 5% 1/10W
R4805	1-216-821-11	METAL CHIP	1K 5% 1/10W	R4890	1-216-809-11	METAL CHIP	100 5% 1/10W
R4806	1-216-857-11	METAL CHIP	1M 5% 1/10W	R4891	1-216-819-11	METAL CHIP	680 5% 1/10W
R4807	1-211-990-11	METAL CHIP	75 0.5% 1/10W	R4892	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R4808	1-211-990-11	METAL CHIP	75 0.5% 1/10W	R4897	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4809	1-211-990-11	METAL CHIP	75 0.5% 1/10W	R4898	1-216-833-11	METAL CHIP	10K 5% 1/10W
R4811	1-216-817-11	METAL CHIP	470 5% 1/10W	R4901	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4812	1-216-817-11	METAL CHIP	470 5% 1/10W	R4904	1-216-805-11	METAL CHIP	47 5% 1/10W
R4815	1-216-809-11	METAL CHIP	100 5% 1/10W	R4905	1-216-295-91	SHORT CHIP	0

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R4907	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R5212	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4921	1-216-836-11	METAL CHIP	18K 5% 1/10W	R5213	1-216-809-11	METAL CHIP	100 5% 1/10W
R4923	1-216-864-11	SHORT CHIP	0	R5216	1-216-809-11	METAL CHIP	100 5% 1/10W
R4925	1-218-836-11	METAL CHIP	360 0.5% 1/10W	R5217	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4926	1-216-809-11	METAL CHIP	100 5% 1/10W	R5218	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4929	1-216-809-11	METAL CHIP	100 5% 1/10W	R5219	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4930	1-216-809-11	METAL CHIP	100 5% 1/10W	R5221	1-216-809-11	METAL CHIP	100 5% 1/10W
R4931	1-216-853-11	METAL CHIP	470K 5% 1/10W	R5223	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4932	1-218-743-11	METAL CHIP	130K 0.5% 1/10W	R5225	1-216-809-11	METAL CHIP	100 5% 1/10W
R4933	1-216-864-11	SHORT CHIP	0	R5226	1-216-809-11	METAL CHIP	100 5% 1/10W
R4936	1-216-864-11	SHORT CHIP	0	R5227	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4938	1-249-411-11	CARBON	330 5% 1/4W	R5228	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4939	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R5230	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4941	1-216-853-11	METAL CHIP	470K 5% 1/10W	R5233	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4942	1-216-853-11	METAL CHIP	470K 5% 1/10W	R5234	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4943	1-216-833-11	METAL CHIP	10K 5% 1/10W	R5235	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4944	1-216-864-11	SHORT CHIP	0	R5236	1-216-809-11	METAL CHIP	100 5% 1/10W
R4945	1-218-836-11	METAL CHIP	360 0.5% 1/10W	R5237	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R4946	1-216-850-11	METAL CHIP	270K 5% 1/10W	R5240	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4947	1-216-821-11	METAL CHIP	1K 5% 1/10W	R5241	1-216-809-11	METAL CHIP	100 5% 1/10W
R4948	1-216-833-11	METAL CHIP	10K 5% 1/10W	R5242	1-216-809-11	METAL CHIP	100 5% 1/10W
R4949	1-216-821-11	METAL CHIP	1K 5% 1/10W	R5243	1-216-841-11	METAL CHIP	47K 5% 1/10W
R4951	1-216-295-91	SHORT CHIP	0	R5246	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4952	1-216-821-11	METAL CHIP	1K 5% 1/10W	R5248	1-216-821-11	METAL CHIP	1K 5% 1/10W
R4953	1-216-809-11	METAL CHIP	100 5% 1/10W	R5249	1-216-815-11	METAL CHIP	330 5% 1/10W
R4954	1-216-864-11	SHORT CHIP	0	R5250	1-216-809-11	METAL CHIP	100 5% 1/10W
R4955	1-216-864-11	SHORT CHIP	0	R5251	1-216-864-11	SHORT CHIP	0
R5100	1-216-864-11	SHORT CHIP	0	< TUNER >			
R5101	1-216-864-11	SHORT CHIP	0	TU4920	8-597-993-00	TUNER, FSS BTF-EF412Z	
R5102	1-216-864-11	SHORT CHIP	0	< VARISTOR >			
R5103	1-216-864-11	SHORT CHIP	0	VD4301	1-801-925-21	VARISTOR, CHIP	(1608)
R5104	1-216-864-11	SHORT CHIP	0	VD4302	1-801-925-21	VARISTOR, CHIP	(1608)
R5105	1-216-864-11	SHORT CHIP	0	VD4601	1-803-974-21	VARISTOR, CHIP	(1608)
R5106	1-216-864-11	SHORT CHIP	0	VD4602	1-803-974-21	VARISTOR, CHIP	(1608)
R5107	1-216-864-11	SHORT CHIP	0	VD4603	1-803-974-21	VARISTOR, CHIP	(1608)
R5108	1-216-864-11	SHORT CHIP	0	VD4604	1-801-925-21	VARISTOR, CHIP	(1608)
R5109	1-216-864-11	SHORT CHIP	0	VD4605	1-801-925-21	VARISTOR, CHIP	(1608)
R5110	1-216-864-11	SHORT CHIP	0	VD4606	1-803-974-21	VARISTOR, CHIP	(1608)
R5118	1-216-864-11	SHORT CHIP	0	VD4607	1-803-974-21	VARISTOR, CHIP	(1608)
R5119	1-216-864-11	SHORT CHIP	0	VD4608	1-803-974-21	VARISTOR, CHIP	(1608)
R5120	1-216-845-11	METAL CHIP	100K 5% 1/10W	VD4609	1-803-974-21	VARISTOR, CHIP	(1608)
R5202	1-216-819-11	METAL CHIP	680 5% 1/10W	VD4610	1-803-974-21	VARISTOR, CHIP	(1608)
R5203	1-216-819-11	METAL CHIP	680 5% 1/10W	VD4611	1-803-974-21	VARISTOR, CHIP	(1608)
R5204	1-216-819-11	METAL CHIP	680 5% 1/10W	VD4612	1-803-974-21	VARISTOR, CHIP	(1608)
R5205	1-216-819-11	METAL CHIP	680 5% 1/10W	VD4613	1-803-974-21	VARISTOR, CHIP	(1608)
R5206	1-216-809-11	METAL CHIP	100 5% 1/10W	VD4614	1-803-974-21	VARISTOR, CHIP	(1608)
R5207	1-216-809-11	METAL CHIP	100 5% 1/10W	VD4615	1-803-974-21	VARISTOR, CHIP	(1608)
R5209	1-216-819-11	METAL CHIP	680 5% 1/10W				
R5210	1-216-819-11	METAL CHIP	680 5% 1/10W				
R5211	1-216-295-91	SHORT CHIP	0				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
VD4616	1-803-974-21	VARISTOR, CHIP	(1608)	R5114		NOT FITTED	
VD4617	1-803-974-21	VARISTOR, CHIP	(1608)	R5115		NOT FITTED	
		< CRYSTAL >		R5117		NOT FITTED	
X4101	1-795-612-11	VIBRATOR, CRYSTAL		R5122		NOT FITTED	
X4401	1-767-654-21	VIBRATOR, CRYSTAL		R5123		NOT FITTED	
X4801	1-813-124-21	VIBRATOR, CERAMIC		R5124		NOT FITTED	
X4802	1-813-604-21	VIBRATOR, CERAMIC		R5130		NOT FITTED	
A2 Board Variant Parts KLV-V40A10E				R5131	1-216-864-11	SHORT CHIP	0
		< CAPACITOR >		R5134		NOT FITTED	
C4810		NOT FITTED		R5135	1-216-864-11	SHORT CHIP	0
C4812		NOT FITTED		R5214	1-216-864-11	SHORT CHIP	0
C4813		NOT FITTED		R5215	1-216-864-11	SHORT CHIP	0
C4847		NOT FITTED		R5222	1-216-864-11	SHORT CHIP	0
C4848		NOT FITTED		R5224		NOT FITTED	
				R5229		NOT FITTED	
C4849		NOT FITTED		R5232		NOT FITTED	
C5101		NOT FITTED		A2 Board Variant Parts KDL-V40A12U			
C5102		NOT FITTED				< CAPACITOR >	
C5105		NOT FITTED		C4810	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
C5106		NOT FITTED		C4812	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
				C4813	1-128-357-11	ELECT CHIP 10UF	20.00% 16V
C5107		NOT FITTED		C4847	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
		< CONNECTOR >		C4848	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
CN5105		NOT FITTED		C4849	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
CN5106		NOT FITTED		C5101	1-162-974-11	CERAMIC CHIP 0.01UF	50V
CN5107		NOT FITTED		C5102	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
		< FERRITE BEAD >		C5105	1-164-156-11	CERAMIC CHIP 0.1UF	25V
FB5109		NOT FITTED		C5106	1-164-156-11	CERAMIC CHIP 0.1UF	25V
FB5110		NOT FITTED		C5107	1-164-156-11	CERAMIC CHIP 0.1UF	25V
FB5111		NOT FITTED				< CONNECTOR >	
		< IC >		CN5105	*1-695-207-21	PIN, ACONNECTOR (PC BOARD) 6P	
IC4801		NOT FITTED		CN5106	*1-695-890-21	PIN, CONNECTOR (PC BOARD) 12P	
		< COIL >		CN5107	1-764-078-11	PIN, CONNECTOR (PC BOARD) 3P	
L5205		NOT FITTED				< FERRITE BEAD >	
		< TRANSISTOR >		FB5109	1-500-284-21	FERRITE	0UH
				FB5110	1-500-284-21	FERRITE	0UH
Q5204		NOT FITTED		FB5111	1-500-284-21	FERRITE	0UH
		< RESISTOR >				< IC >	
R4825	1-216-864-11	SHORT CHIP	0	IC4801	6-706-805-01	IC TL52055DR	
R4826	1-216-864-11	SHORT CHIP	0			< COIL >	
R4827	1-216-864-11	SHORT CHIP	0	L5205	1-412-029-11	INDUCTOR	10UH
R5002		NOT FITTED					
R5113		NOT FITTED					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< TRANSISTOR >				< CONNECTOR >			
Q5204	8-729-120-28	TRANSISTOR 2SC1623-L5L6		CN7060	1-784-646-11	TERMINAL, S	
< RESISTOR >				CN7061	1-764-087-21	PIN, CONNECTOR (PC BOARD) 14P	
R4825	NOT FITTED			< DIODE >			
R4826	NOT FITTED			D7060	8-719-062-19	DIODE MA3200WA-TX	
R4827	NOT FITTED			D7061	8-719-062-19	DIODE MA3200WA-TX	
R5002	1-216-864-11	SHORT CHIP	0	D7062	8-719-069-60	DIODE UDZSTE-179.1B	
R5113	1-216-864-11	SHORT CHIP	0	D7063	8-719-062-19	DIODE MA3200WA-TX	
R5114	1-216-864-11	SHORT CHIP	0	D7066	8-719-062-19	DIODE MA3200WA-TX	
R5115	1-216-864-11	SHORT CHIP	0	D7068	8-719-062-19	DIODE MA3200WA-TX	
R5117	1-216-864-11	SHORT CHIP	0	D7069	8-719-081-98	DIODE MM3Z6V8T1	
R5122	1-216-864-11	SHORT CHIP	0	D7070	8-719-081-98	DIODE MM3Z6V8T1	
R5123	1-216-864-11	SHORT CHIP	0	D7071	8-719-081-98	DIODE MM3Z6V8T1	
R5124	1-216-864-11	SHORT CHIP	0	< FERRITE BEAD >			
R5130	1-216-864-11	SHORT CHIP	0	FB7060	1-414-760-21	FERRITE	0UH
R5131	NOT FITTED			FB7061	1-414-760-21	FERRITE	0UH
R5134	1-216-864-11	SHORT CHIP	0	< SOCKET >			
R5135	NOT FITTED			J7060	1-568-267-11	JACK	
R5214	NOT FITTED			J7061	1-819-356-11	PHONO JACK 3P	
R5215	NOT FITTED			< RESISTOR >			
R5222	NOT FITTED			R7060	1-216-864-11	SHORT CHIP	0
R5224	1-216-864-11	SHORT CHIP	0	R7061	1-216-864-11	SHORT CHIP	0
R5229	1-216-817-11	METAL CHIP	470 5% 1/10W	R7062	1-216-815-11	METAL CHIP	330 5% 1/10W
R5232	1-216-295-91	SHORT CHIP	0	R7063	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
*A-1090-223-A H8 Board, Complete							
< CAPACITOR >				R7064	1-216-813-11	METAL CHIP	220 5% 1/10W
C7061	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7065	1-216-809-11	METAL CHIP	100 5% 1/10W
C7062	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7066	1-216-813-11	METAL CHIP	220 5% 1/10W
C7063	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7067	1-216-815-11	METAL CHIP	330 5% 1/10W
C7064	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7068	1-216-797-11	METAL CHIP	10 5% 1/10W
C7065	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7069	1-216-797-11	METAL CHIP	10 5% 1/10W
C7066	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7070	1-216-813-11	METAL CHIP	220 5% 1/10W
C7067	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7071	1-216-813-11	METAL CHIP	220 5% 1/10W
C7068	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	R7072	1-216-813-11	METAL CHIP	220 5% 1/10W
C7069	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	R7073	1-216-853-11	METAL CHIP	470K 5% 1/10W
C7070	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V	R7074	1-216-813-11	METAL CHIP	220 5% 1/10W
C7071	1-115-156-11	CERAMIC CHIP 1UF	10V	R7075	1-216-809-11	METAL CHIP	100 5% 1/10W
C7072	1-115-156-11	CERAMIC CHIP 1UF	10V	R7076	1-216-853-11	METAL CHIP	470K 5% 1/10W
C7073	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	R7077	1-216-813-11	METAL CHIP	220 5% 1/10W
C7074	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V	R7078	1-216-809-11	METAL CHIP	100 5% 1/10W
C7075	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	R7079	1-216-813-11	METAL CHIP	220 5% 1/10W
C7076	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7080	1-216-813-11	METAL CHIP	220 5% 1/10W
C7077	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	R7081	1-216-809-11	METAL CHIP	100 5% 1/10W
				R7084	1-216-864-11	SHORT CHIP	0
				R7086	1-216-864-11	SHORT CHIP	0
				R7087	1-216-864-11	SHORT CHIP	0

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R7088	1-216-864-11	SHORT CHIP	0	C3202	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
*A-1101-788-C N Board, Complete KDL-V40A12U only							
	2-580-625-01	SCREW, +B M2X8		C3203	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
	6-707-809-01	IC EDD1216AATA-6B-E		C3204	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
A3300	*1-815-640-21	CONNECTOR, CARD (PCMCIA CARD)		C3205	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
	< CAPACITOR >			C3206	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3100	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3207	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3101	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3208	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3102	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C3209	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3103	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3210	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3104	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3211	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3105	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3212	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3106	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3213	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
C3107	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3214	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3108	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3215	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3109	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3216	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3110	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3217	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3111	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3218	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3112	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3219	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3113	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3220	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3114	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3230	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3115	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3300	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3116	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3301	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3117	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3303	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3118	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3304	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3119	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3306	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3120	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3307	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3121	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3308	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3122	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3309	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3123	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3310	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3124	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3311	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3125	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3312	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3126	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3313	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3127	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3314	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3128	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3315	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3129	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3316	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3130	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3317	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3131	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3318	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3132	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V	C3320	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3133	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3321	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3134	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3322	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3135	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3323	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3136	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3324	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3137	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3400	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3200	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3401	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3201	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C3402	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
				C3403	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
				C3404	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
				C3405	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
				C3407	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
				C3408	1-124-779-00	ELECT CHIP 10UF	20.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C3409	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3514	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3410	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C3520	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3411	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3521	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3412	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3522	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3413	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3523	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3414	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3524	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3415	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3525	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3416	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3526	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3417	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3527	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3418	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3528	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3419	1-164-931-11	CERAMIC CHIP 100PF	10.00% 50V	C3529	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3420	1-164-931-11	CERAMIC CHIP 100PF	10.00% 50V	C3530	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3421	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C3531	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3422	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C3532	1-164-931-11	CERAMIC CHIP 100PF	10.00% 50V
C3423	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3533	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3424	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3534	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3425	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C3535	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3426	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3536	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3427	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3537	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3428	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3538	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3429	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3539	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3430	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3540	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3431	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3541	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3432	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3542	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3433	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3543	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3434	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3544	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3435	1-165-319-11	CERAMIC CHIP 0.1UF	50V	C3545	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3436	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3546	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3437	1-165-319-11	CERAMIC CHIP 0.1UF	50V	C3547	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3438	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3548	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3439	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3549	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3442	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V	C3550	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3443	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3551	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3444	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V	C3552	1-164-856-81	CERAMIC CHIP 18PF	5.00% 50V
C3445	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3553	1-164-856-81	CERAMIC CHIP 18PF	5.00% 50V
C3446	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3557	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C3447	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3558	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3448	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V	C3559	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3449	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V	C3560	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C3450	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V	C3561	1-128-405-11	ELECT CHIP 22UF	20% 50V
C3451	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V	C3562	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3452	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V	C3563	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3453	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V	C3564	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3500	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3565	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3501	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C3566	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3502	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3567	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3505	1-128-405-11	ELECT CHIP 22UF	20% 50V	C3568	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3506	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3800	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3507	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V	C3801	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3513	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	C3802	1-124-779-00	ELECT CHIP 10UF	20.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
IC3308	8-759-644-48	IC 74LVC541APW		Q3801	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC3309	8-759-644-48	IC 74LVC541APW		Q3804	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC3310	8-759-644-48	IC 74LVC541APW		Q3805	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC3311	8-759-298-90	IC 74LVT245PW		Q3806	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
IC3312	8-759-644-48	IC 74LVC541APW		Q3808	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
IC3313	8-759-644-48	IC 74LVC541APW		< RESISTOR >			
IC3314	8-759-644-48	IC 74LVC541APW		R3100	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3315	8-759-564-09	IC 74LVC32A-PW		R3101	1-218-941-81	RES-CHIP	100 5% 1/16W
IC3316	6-708-132-01	IC 74LVC14APW		R3102	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3400	6-707-808-01	IC WM8727GED/RV		R3103	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3401	8-759-701-40	IC NJM3404AM-T1		R3104	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3402	6-705-789-01	IC LM3526MX-H/J5000396		R3105	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3403	6-705-403-01	IC PQ070XZ01ZPH		R3106	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3404	6-705-403-01	IC PQ070XZ01ZPH		R3107	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3501	8-759-644-48	IC 74LVC541APW		R3108	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3504	8-753-212-44	IC CXD1976R-T6		R3109	1-218-941-81	RES-CHIP	100 5% 1/16W
IC3800	6-703-175-01	IC PST3629UL		R3110	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3801	8-759-670-18	IC 74LVC273PW		R3111	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3802	8-759-670-18	IC 74LVC273PW		R3112	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3803	6-706-487-01	IC TC7SH08FU(T5RSOYJF)		R3113	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3804	8-759-564-09	IC 74LVC32A-PW		R3114	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3805	8-759-564-91	IC 74LVC08APW		R3115	1-218-941-81	RES-CHIP	100 5% 1/16W
IC3806	6-706-487-01	IC TC7SH08FU(T5RSOYJF)		R3116	1-218-937-11	RES-CHIP	47 5% 1/16W
IC3807	6-704-067-01	IC M24128-BWMN6T (A)		R3117	1-218-937-11	RES-CHIP	47 5% 1/16W
< COIL >				R3118	1-218-937-11	RES-CHIP	47 5% 1/16W
L3500	1-412-006-31	INDUCTOR	10UH	R3119	1-218-965-11	RES-CHIP	10K 5% 1/16W
L3501	1-469-842-21	INDUCTOR	0.47UH	R3120	1-218-937-11	RES-CHIP	47 5% 1/16W
L3502	1-410-981-42	INDUCTOR	0.1UH	R3121	1-218-937-11	RES-CHIP	47 5% 1/16W
L3503	1-410-981-42	INDUCTOR	0.1UH	R3122	1-218-937-11	RES-CHIP	47 5% 1/16W
L3504	1-410-981-42	INDUCTOR	0.1UH	R3123	1-218-937-11	RES-CHIP	47 5% 1/16W
L3505	1-412-006-31	INDUCTOR	10UH	R3124	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
< TRANSISTOR >				R3125	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
Q3400	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3126	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3401	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R		R3127	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3402	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3129	1-218-941-81	RES-CHIP	100 5% 1/16W
Q3403	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3130	1-218-941-81	RES-CHIP	100 5% 1/16W
Q3404	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3131	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3405	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3132	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3406	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3133	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3407	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3135	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3408	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3136	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3409	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R		R3137	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3410	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R		R3141	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3411	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R		R3145	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3412	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R		R3147	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3500	8-729-027-43	TRANSISTOR DTC114EKA-T146		R3148	1-218-937-11	RES-CHIP	47 5% 1/16W
Q3800	8-729-027-43	TRANSISTOR DTC114EKA-T146		R3149	1-218-937-11	RES-CHIP	47 5% 1/16W
				R3151	1-218-965-11	RES-CHIP	10K 5% 1/16W
				R3152	1-218-937-11	RES-CHIP	47 5% 1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R3156	1-218-937-11	RES-CHIP	47 5% 1/16W	R3408	1-218-966-11	RES-CHIP	12K 5% 1/16W
R3157	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3409	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3160	1-218-937-11	RES-CHIP	47 5% 1/16W	R3410	1-218-949-11	RES-CHIP	470 5% 1/16W
R3200	1-218-941-11	RES-CHIP	100 5% 1/16W	R3411	1-208-675-11	METAL CHIP	470 0.5% 1/16W
R3201	1-218-941-11	RES-CHIP	100 5% 1/16W	R3412	1-208-885-11	METAL CHIP	820 0.5% 1/16W
R3202	1-218-939-11	RES-CHIP	68 5% 1/16W	R3413	1-218-990-81	SHORT CHIP	0
R3203	1-218-941-81	RES-CHIP	100 5% 1/16W	R3414	1-218-937-11	RES-CHIP	47 5% 1/16W
R3204	1-218-941-81	RES-CHIP	100 5% 1/16W	R3415	1-208-675-11	METAL CHIP	470 0.5% 1/16W
R3205	1-218-937-11	RES-CHIP	47 5% 1/16W	R3416	1-208-673-11	METAL CHIP	390 0.5% 1/16W
R3206	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3417	1-218-937-11	RES-CHIP	47 5% 1/16W
R3211	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R3418	1-218-941-11	RES-CHIP	100 5% 1/16W
R3212	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R3419	1-218-941-11	RES-CHIP	100 5% 1/16W
R3213	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R3420	1-208-683-11	METAL CHIP	1K 0.5% 1/16W
R3214	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R3421	1-208-683-11	METAL CHIP	1K 0.5% 1/16W
R3216	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3422	1-218-945-11	RES-CHIP	220 5% 1/16W
R3218	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3423	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3220	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R3424	1-218-949-11	RES-CHIP	470 5% 1/16W
R3222	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3425	1-218-949-11	RES-CHIP	470 5% 1/16W
R3224	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3426	1-218-949-11	RES-CHIP	470 5% 1/16W
R3227	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3427	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3229	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3428	1-218-937-11	RES-CHIP	47 5% 1/16W
R3230	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3429	1-218-937-11	RES-CHIP	47 5% 1/16W
R3232	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3430	1-218-937-11	RES-CHIP	47 5% 1/16W
R3234	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3431	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3236	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3432	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3238	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3433	1-218-953-11	RES-CHIP	1K 5% 1/16W
R3239	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3434	1-218-949-11	RES-CHIP	470 5% 1/16W
R3240	1-218-939-11	RES-CHIP	68 5% 1/16W	R3435	1-218-948-11	RES-CHIP	390 5% 1/16W
R3241	1-218-941-81	RES-CHIP	100 5% 1/16W	R3436	1-218-937-11	RES-CHIP	47 5% 1/16W
R3251	1-218-949-11	RES-CHIP	470 5% 1/16W	R3437	1-218-966-11	RES-CHIP	12K 5% 1/16W
R3262	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3438	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3303	1-218-953-11	RES-CHIP	1K 5% 1/16W	R3439	1-218-966-11	RES-CHIP	12K 5% 1/16W
R3306	1-218-941-81	RES-CHIP	100 5% 1/16W	R3440	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3308	1-218-941-81	RES-CHIP	100 5% 1/16W	R3441	1-218-966-11	RES-CHIP	12K 5% 1/16W
R3310	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3442	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3311	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3443	1-218-949-11	RES-CHIP	470 5% 1/16W
R3312	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3444	1-208-683-11	METAL CHIP	1K 0.5% 1/16W
R3313	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3445	1-208-683-11	METAL CHIP	1K 0.5% 1/16W
R3314	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3446	1-218-972-11	RES-CHIP	39K 5% 1/16W
R3317	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R3447	1-218-972-11	RES-CHIP	39K 5% 1/16W
R3318	1-218-965-11	RES-CHIP	10K 5% 1/16W	R3448	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3321	1-218-941-81	RES-CHIP	100 5% 1/16W	R3449	1-218-968-11	RES-CHIP	18K 5% 1/16W
R3324	1-218-941-81	RES-CHIP	100 5% 1/16W	R3450	1-218-965-11	RES-CHIP	10K 5% 1/16W
R3325	1-218-937-11	RES-CHIP	47 5% 1/16W	R3451	1-218-968-11	RES-CHIP	18K 5% 1/16W
R3400	1-218-990-81	SHORT CHIP	0	R3452	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3401	1-218-990-81	SHORT CHIP	0	R3453	1-218-967-11	RES-CHIP	15K 5% 1/16W
R3402	1-218-990-81	SHORT CHIP	0	R3454	1-208-675-11	METAL CHIP	470 0.5% 1/16W
R3404	1-218-937-11	RES-CHIP	47 5% 1/16W	R3455	1-208-885-11	METAL CHIP	820 0.5% 1/16W
R3405	1-218-937-11	RES-CHIP	47 5% 1/16W	R3456	1-218-949-11	RES-CHIP	470 5% 1/16W
R3406	1-218-990-81	SHORT CHIP	0	R3457	1-208-675-11	METAL CHIP	470 0.5% 1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R3458	1-208-885-11	METAL CHIP	820	0.5%	1/16W	R3565	1-218-941-81	RES-CHIP	100	5%	1/16W
R3459	1-218-949-11	RES-CHIP	470	5%	1/16W	R3566	1-218-989-11	RES-CHIP	1M	5%	1/16W
R3460	1-208-675-11	METAL CHIP	470	0.5%	1/16W	R3567	1-218-941-81	RES-CHIP	100	5%	1/16W
R3461	1-208-885-11	METAL CHIP	820	0.5%	1/16W	R3580	1-216-041-00	RES-CHIP	470	5%	1/10W
R3465	1-218-948-11	RES-CHIP	390	5%	1/16W	R3601	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3466	1-218-948-11	RES-CHIP	390	5%	1/16W	R3602	1-218-941-81	RES-CHIP	100	5%	1/16W
R3467	1-218-948-11	RES-CHIP	390	5%	1/16W	R3603	1-218-941-81	RES-CHIP	100	5%	1/16W
R3468	1-218-945-11	RES-CHIP	220	5%	1/16W	R3604	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3469	1-218-945-11	RES-CHIP	220	5%	1/16W	R3609	1-218-941-81	RES-CHIP	100	5%	1/16W
R3470	1-218-945-11	RES-CHIP	220	5%	1/16W	R3610	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3471	1-218-941-81	RES-CHIP	100	5%	1/16W	R3611	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3472	1-218-966-11	RES-CHIP	12K	5%	1/16W	R3613	1-218-941-81	RES-CHIP	100	5%	1/16W
R3473	1-218-966-11	RES-CHIP	12K	5%	1/16W	R3616	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3474	1-216-864-11	SHORT CHIP	0			R3617	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3475	1-216-864-11	SHORT CHIP	0			R3620	1-218-941-81	RES-CHIP	100	5%	1/16W
R3480	1-218-941-81	RES-CHIP	100	5%	1/16W	R3621	1-218-941-81	RES-CHIP	100	5%	1/16W
R3481	1-218-941-81	RES-CHIP	100	5%	1/16W	R3623	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3484	1-216-001-00	RES-CHIP	10	5%	1/10W	R3629	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3500	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3501	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R3633	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3502	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R3635	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3504	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3637	1-218-948-11	RES-CHIP	390	5%	1/16W
R3505	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3638	1-218-948-11	RES-CHIP	390	5%	1/16W
R3506	1-218-941-81	RES-CHIP	100	5%	1/16W	R3639	1-218-948-11	RES-CHIP	390	5%	1/16W
R3507	1-218-941-81	RES-CHIP	100	5%	1/16W	R3640	1-218-948-11	RES-CHIP	390	5%	1/16W
R3508	1-216-295-91	SHORT CHIP	0			R3641	1-218-948-11	RES-CHIP	390	5%	1/16W
R3511	1-216-295-91	SHORT CHIP	0			R3642	1-218-941-81	RES-CHIP	100	5%	1/16W
R3512	1-216-295-91	SHORT CHIP	0			R3645	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3514	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3648	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3515	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3649	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3516	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3800	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3517	1-218-937-11	RES-CHIP	47	5%	1/16W	R3801	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3518	1-218-937-11	RES-CHIP	47	5%	1/16W	R3802	1-218-941-81	RES-CHIP	100	5%	1/16W
R3538	1-216-295-91	SHORT CHIP	0			R3803	1-218-941-81	RES-CHIP	100	5%	1/16W
R3542	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3804	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3543	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3806	1-218-941-81	RES-CHIP	100	5%	1/16W
R3544	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3809	1-218-941-81	RES-CHIP	100	5%	1/16W
R3545	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R3810	1-218-941-81	RES-CHIP	100	5%	1/16W
R3546	1-218-941-81	RES-CHIP	100	5%	1/16W	R3814	1-218-941-81	RES-CHIP	100	5%	1/16W
R3547	1-218-941-81	RES-CHIP	100	5%	1/16W	R3815	1-218-941-81	RES-CHIP	100	5%	1/16W
R3548	1-218-965-11	RES-CHIP	10K	5%	1/16W	R3816	1-218-941-81	RES-CHIP	100	5%	1/16W
R3550	1-208-927-11	METAL CHIP	47K	0.5%	1/16W	R3817	1-218-941-81	RES-CHIP	100	5%	1/16W
R3553	1-218-941-81	RES-CHIP	100	5%	1/16W	R3819	1-218-941-81	RES-CHIP	100	5%	1/16W
R3558	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W	R3820	1-218-941-81	RES-CHIP	100	5%	1/16W
R3559	1-208-927-11	METAL CHIP	47K	0.5%	1/16W	R3821	1-218-941-81	RES-CHIP	100	5%	1/16W
R3560	1-218-937-11	RES-CHIP	47	5%	1/16W	R3822	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3561	1-218-941-81	RES-CHIP	100	5%	1/16W	R3824	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3562	1-218-941-81	RES-CHIP	100	5%	1/16W	R3825	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3563	1-218-941-81	RES-CHIP	100	5%	1/16W	R3826	1-218-941-81	RES-CHIP	100	5%	1/16W
R3564	1-218-941-81	RES-CHIP	100	5%	1/16W	R3827	1-218-953-11	RES-CHIP	1K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R3828	1-218-941-81	RES-CHIP	100 5% 1/16W	RB3204	1-234-702-11	RES, NETWORK 68	(1005X4)
R3830	1-218-941-81	RES-CHIP	100 5% 1/16W	RB3206	1-234-372-21	RES, NETWORK 100	(1005X4)
R3831	1-218-941-81	RES-CHIP	100 5% 1/16W	RB3207	1-234-372-21	RES, NETWORK 100	(1005X4)
R3832	1-218-990-81	SHORT CHIP	0	RB3208	1-234-702-11	RES, NETWORK 68	(1005X4)
R3835	1-218-941-81	RES-CHIP	100 5% 1/16W	RB3209	1-234-702-11	RES, NETWORK 68	(1005X4)
R3836	1-218-965-11	RES-CHIP	10K 5% 1/16W	RB3500	1-234-371-21	RES, NETWORK 47	(1005X4)
R3837	1-218-965-11	RES-CHIP	10K 5% 1/16W	RB3501	1-234-371-21	RES, NETWORK 47	(1005X4)
R3838	1-218-965-11	RES-CHIP	10K 5% 1/16W	< TUNER >			
R3839	1-218-953-11	RES-CHIP	1K 5% 1/16W	TU3500	8-597-997-00	TUNER, FSS BTP-DC412Z	
R3840	1-218-965-11	RES-CHIP	10K 5% 1/16W	< CRYSTAL >			
R3841	1-218-965-11	RES-CHIP	10K 5% 1/16W	X3200	1-813-055-11	QUARTZ CRYSTAL UNIT	
R3842	1-218-941-81	RES-CHIP	100 5% 1/16W	X3500	1-813-547-11	QUARTZ CRYSTAL UNIT	
R3843	1-218-941-81	RES-CHIP	100 5% 1/16W	*A-1086-133-B NP1 Board, Complete KLV-V40A10E			
R3844	1-218-941-81	RES-CHIP	100 5% 1/16W	*A-1110-611-B NP1 Board, Complete KDL-V40A12U			
R3846	1-218-949-11	RES-CHIP	470 5% 1/16W	NP1 Board, Common Parts			
R3848	1-218-965-11	RES-CHIP	10K 5% 1/16W	< CAPACITOR >			
R3849	1-218-941-81	RES-CHIP	100 5% 1/16W	C5635	1-128-401-11	ELECT CHIP 100UF	20% 25V
R3850	1-218-953-11	RES-CHIP	1K 5% 1/16W	C5636	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R3852	1-218-941-81	RES-CHIP	100 5% 1/16W	C5637	1-128-401-11	ELECT CHIP 100UF	20% 25V
R3853	1-218-941-81	RES-CHIP	100 5% 1/16W	C5638	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R3854	1-218-941-81	RES-CHIP	100 5% 1/16W	C5701	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
R3855	1-218-941-81	RES-CHIP	100 5% 1/16W	C5702	1-128-401-11	ELECT CHIP 100UF	20% 25V
R3856	1-218-941-81	RES-CHIP	100 5% 1/16W	C5703	1-128-401-11	ELECT CHIP 100UF	20% 25V
R3857	1-218-941-81	RES-CHIP	100 5% 1/16W	C5704	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3858	1-218-941-81	RES-CHIP	100 5% 1/16W	C5705	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
R3859	1-218-941-81	RES-CHIP	100 5% 1/16W	C5706	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3860	1-218-941-81	RES-CHIP	100 5% 1/16W	C5707	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3861	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	C5708	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3862	1-218-941-81	RES-CHIP	100 5% 1/16W	C5709	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3892	1-218-965-11	RES-CHIP	10K 5% 1/16W	C5710	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R3895	1-218-965-11	RES-CHIP	10K 5% 1/16W	C5712	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R3896	1-218-965-11	RES-CHIP	10K 5% 1/16W	C5713	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R3899	1-218-965-11	RES-CHIP	10K 5% 1/16W	C5714	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
< RESISTOR CHIP >				C5800	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
RB3100	1-234-370-21	RES, NETWORK 22	(1005X4)	C5801	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
RB3101	1-234-370-21	RES, NETWORK 22	(1005X4)	C5802	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3102	1-234-370-21	RES, NETWORK 22	(1005X4)	C5803	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
RB3103	1-234-370-21	RES, NETWORK 22	(1005X4)	C5804	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3104	1-234-370-21	RES, NETWORK 22	(1005X4)	C5806	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3105	1-234-370-21	RES, NETWORK 22	(1005X4)	C5808	1-162-974-11	CERAMIC CHIP 0.01UF	50V
RB3106	1-234-370-21	RES, NETWORK 22	(1005X4)	C5810	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
RB3107	1-234-370-21	RES, NETWORK 22	(1005X4)	C5811	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
RB3108	1-234-370-21	RES, NETWORK 22	(1005X4)	C5812	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
RB3109	1-234-370-21	RES, NETWORK 22	(1005X4)	C5813	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3110	1-234-370-21	RES, NETWORK 22	(1005X4)	C5816	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
RB3200	1-234-372-21	RES, NETWORK 100	(1005X4)				
RB3201	1-234-372-21	RES, NETWORK 100	(1005X4)				
RB3202	1-234-372-21	RES, NETWORK 100	(1005X4)				
RB3203	1-234-702-11	RES, NETWORK 68	(1005X4)				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5817	1-162-974-11	CERAMIC CHIP 0.01UF	50V	< RESISTOR >			
C5826	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5624	1-216-864-11	SHORT CHIP	0
C5827	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5625	1-216-864-11	SHORT CHIP	0
C5828	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5626	1-216-864-11	SHORT CHIP	0
C5829	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5627	1-216-802-11	METAL CHIP	27 5% 1/10W
C5830	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5628	1-216-802-11	METAL CHIP	27 5% 1/10W
C5876	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5629	1-216-802-11	METAL CHIP	27 5% 1/10W
C5877	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5646	1-216-833-11	METAL CHIP	10K 5% 1/10W
C5878	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5647	1-216-816-11	METAL CHIP	390 5% 1/10W
C5879	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5652	1-216-864-11	SHORT CHIP	0
C5880	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	R5653	1-216-864-11	SHORT CHIP	0
< CONNECTOR >				R5654	1-216-864-11	SHORT CHIP	0
CN5701	1-815-875-21	PIN, CONNECTOR (PC BOARD) (12P)		R5655	1-216-864-11	SHORT CHIP	0
CN5801	1-816-587-21	PIN, CONNECTOR (PC BOARD) 15P		R5656	1-216-816-11	METAL CHIP	390 5% 1/10W
CN5802	1-785-728-21	PIN (PC BOARD), CONNECTOR 7P		R5685	1-216-864-11	SHORT CHIP	0
CN5803	1-779-992-11	PIN, CONNECTOR (PWB) 8P		R5687	1-216-838-11	METAL CHIP	27K 5% 1/10W
CN5804	*1-818-656-21	HEADER ASSEMBLY 30P		R5688	1-216-864-11	SHORT CHIP	0
< DIODE >				R5701	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
D5603	8-719-069-86	DIODE PTZ-TE25-8.2A		R5702	1-216-833-11	METAL CHIP	10K 5% 1/10W
D5630	8-719-056-48	DIODE 1SS388(TPL3)		R5703	1-216-821-11	METAL CHIP	1K 5% 1/10W
D5701	8-719-988-61	DIODE 1SS355TE-17		R5704	1-218-708-11	METAL CHIP	4.7K 0.5% 1/10W
D5702	8-719-988-61	DIODE 1SS355TE-17		R5705	1-218-698-11	METAL CHIP	1.8K 0.5% 1/10W
D5703	8-719-988-61	DIODE 1SS355TE-17		R5706	1-218-719-11	METAL CHIP	13K 0.5% 1/10W
D5704	8-719-988-61	DIODE 1SS355TE-17		R5708	1-216-833-11	METAL CHIP	10K 5% 1/10W
D5705	8-719-988-61	DIODE 1SS355TE-17		R5709	1-216-835-11	METAL CHIP	15K 5% 1/10W
< FERRITE BEAD >				R5710	1-216-835-11	METAL CHIP	15K 5% 1/10W
FB5701	1-469-775-21	FERRITE	0UH	R5711	1-216-835-11	METAL CHIP	15K 5% 1/10W
FB5801	1-469-775-21	FERRITE	0UH	R5712	1-216-835-11	METAL CHIP	15K 5% 1/10W
FB5805	1-469-775-21	FERRITE	0UH	R5718	1-216-809-11	METAL CHIP	100 5% 1/10W
FB5813	1-469-775-21	FERRITE	0UH	R5721	1-216-809-11	METAL CHIP	100 5% 1/10W
FB5816	1-469-775-21	FERRITE	0UH	R5724	1-216-809-11	METAL CHIP	100 5% 1/10W
< IC >				R5727	1-216-809-11	METAL CHIP	100 5% 1/10W
IC5630	6-705-470-01	IC BA70BC0FP-E2		R5730	1-216-809-11	METAL CHIP	100 5% 1/10W
IC5701	6-706-862-01	IC NJM2387DL2-TE1		R5731	1-216-864-11	SHORT CHIP	0
IC5705	8-759-581-11	IC NJM2125F (TE2)		R5732	1-216-864-11	SHORT CHIP	0
< COIL >				R5733	1-216-864-11	SHORT CHIP	0
L5630	1-469-555-21	INDUCTOR	10UH	R5734	1-216-864-11	SHORT CHIP	0
L5701	1-419-491-21	INDUCTOR	10UH	R5735	1-216-864-11	SHORT CHIP	0
< TRANSISTOR >				R5736	1-216-864-11	SHORT CHIP	0
Q5604	8-729-029-14	TRANSISTOR DTC144EUA-T106		R5737	1-216-864-11	SHORT CHIP	0
Q5605	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R5738	1-216-864-11	SHORT CHIP	0
Q5701	8-729-907-00	TRANSISTOR DTC114EU		R5739	1-216-864-11	SHORT CHIP	0
Q5702	8-729-907-00	TRANSISTOR DTC114EU		R5741	1-216-864-11	SHORT CHIP	0
				R5742	1-216-864-11	SHORT CHIP	0
				R5745	1-216-809-11	METAL CHIP	100 5% 1/10W
				R5746	1-216-864-11	SHORT CHIP	0
				R5753	1-216-864-11	SHORT CHIP	0
				R5755	1-216-809-11	METAL CHIP	100 5% 1/10W
				R5757	1-216-809-11	METAL CHIP	100 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	
R5759	1-216-809-11	METAL CHIP	100 5% 1/10W	C5823		NOT FITTED		
R5767	1-216-864-11	SHORT CHIP	0	C5824		NOT FITTED		
R5768	1-216-864-11	SHORT CHIP	0			< CONNECTOR >		
R5781	1-216-864-11	SHORT CHIP	0					
R5782	1-216-864-11	SHORT CHIP	0	CN5805		NOT FITTED		
R5784	1-216-864-11	SHORT CHIP	0			< DIODE >		
R5788	1-216-837-11	METAL CHIP	22K 5% 1/10W					
NP1 Board Variant Parts KLV-V40-A10E								
		< CAPACITOR >						
C5601		NOT FITTED						
C5602		NOT FITTED						
C5603		NOT FITTED						
C5604		NOT FITTED						
C5605		NOT FITTED						
C5606		NOT FITTED						
C5607		NOT FITTED						
C5608		NOT FITTED						
C5609		NOT FITTED						
C5610		NOT FITTED						
C5611		NOT FITTED						
C5612		NOT FITTED						
C5613		NOT FITTED						
C5614		NOT FITTED						
C5615		NOT FITTED						
C5616		NOT FITTED						
C5617		NOT FITTED						
C5618		NOT FITTED						
C5619		NOT FITTED						
C5620		NOT FITTED						
C5621		NOT FITTED						
C5622		NOT FITTED						
C5625		NOT FITTED						
C5626		NOT FITTED						
C5627		NOT FITTED						
C5628		NOT FITTED						
C5631		NOT FITTED						
C5632		NOT FITTED						
C5633		NOT FITTED						
C5634		NOT FITTED						
C5680		NOT FITTED						
C5681		NOT FITTED						
C5682		NOT FITTED						
C5683		NOT FITTED						
C5818		NOT FITTED						
C5819		NOT FITTED						
C5820		NOT FITTED						
C5821		NOT FITTED						
C5822		NOT FITTED						
		< FERRITE BEAD >						
		D5601 NOT FITTED						
		D5602 NOT FITTED						
		D5631 NOT FITTED						
		D5697 NOT FITTED						
		D5698 NOT FITTED						
		D5699 NOT FITTED						
		< IC >						
		FB5808 NOT FITTED						
		FB5809 NOT FITTED						
		FB5810 NOT FITTED						
		FB5811 NOT FITTED						
		< COIL >						
		L5601 NOT FITTED						
		L5602 NOT FITTED						
		L5625 NOT FITTED						
		L5631 NOT FITTED						
		L5680 NOT FITTED						
		< PROTECTOR MODULE >						
		PS5601 NOT FITTED						
		PS5602 NOT FITTED						
		< TRANSISTOR >						
		Q5601 NOT FITTED						
		Q5602 NOT FITTED						
		Q5603 NOT FITTED						
		< RESISTOR >						
		R5601 NOT FITTED						
		R5602 NOT FITTED						
		R5603 NOT FITTED						
		R5604 NOT FITTED						
		R5605 NOT FITTED						
		R5606 NOT FITTED						
		R5607 NOT FITTED						
		R5608 NOT FITTED						

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R5609	NOT FITTED			C5620	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5610	NOT FITTED			C5621	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R5611	NOT FITTED			C5622	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R5612	NOT FITTED			C5625	1-128-401-11	ELECT CHIP 100UF	20% 25V
R5613	NOT FITTED			C5626	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5614	NOT FITTED			C5627	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5615	NOT FITTED			C5628	1-128-401-11	ELECT CHIP 100UF	20% 25V
R5616	NOT FITTED			C5631	1-100-421-21	ELECT CHIP 220UF	20% 6.3V
R5617	NOT FITTED			C5632	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V
R5618	NOT FITTED			C5633	1-125-827-91	CERAMIC CHIP 1UF	10.00% 25V
R5619	NOT FITTED			C5634	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5620	NOT FITTED			C5680	1-128-401-11	ELECT CHIP 100UF	20% 25V
R5621	NOT FITTED			C5681	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5622	NOT FITTED			C5682	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5623	NOT FITTED			C5683	1-128-401-11	ELECT CHIP 100UF	20% 25V
R5631	NOT FITTED			C5818	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5632	NOT FITTED			C5819	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R5633	NOT FITTED			C5820	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5634	NOT FITTED			C5821	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R5635	NOT FITTED			C5822	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
R5648	NOT FITTED			C5823	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R5649	1-216-864-11	SHORT CHIP	0	C5824	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R5650	NOT FITTED					< CONNECTOR >	
R5651	1-216-864-11	SHORT CHIP	0	CN5805	1-794-519-21	PIN, CONNECTOR (PC BOARD) 14P	
R5694	NOT FITTED					< DIODE >	
R5695	NOT FITTED			D5601	8-719-072-43	DIODE RB050L-40TE25	
R5697	NOT FITTED			D5602	8-719-072-43	DIODE RB050L-40TE25	
				D5631	8-719-072-43	DIODE RB050L-40TE25	
				D5697	6-500-294-01	DIODE PTZ-TE25-3.9B	
				D5698	8-719-073-69	DIODE PTZ-TE25-6.2A	
				D5699	6-500-294-01	DIODE PTZ-TE25-3.9B	
						< FERRITE BEAD >	
				FB5808	1-469-775-21	FERRITE	0UH
				FB5809	1-469-775-21	FERRITE	0UH
				FB5810	1-469-775-21	FERRITE	0UH
				FB5811	1-469-775-21	FERRITE	0UH
						< IC >	
				IC5601	6-707-927-01	IC BD9775FV	
				IC5631	6-707-911-01	IC BD9778HFP	
						< COIL >	
				L5601	1-416-758-21	INDUCTOR	22UH
				L5602	1-419-491-21	INDUCTOR	10UH
				L5625	1-419-491-21	INDUCTOR	10UH
				L5631	1-424-754-21	INDUCTOR	47UH
C5601	1-125-838-11	CERAMIC CHIP 2.2UF	10% 6.3V				
C5602	1-125-838-11	CERAMIC CHIP 2.2UF	10% 6.3V				
C5603	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V				
C5604	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V				
C5605	1-127-573-11	CERAMIC CHIP 1UF	10% 16V				
C5606	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V				
C5607	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V				
C5608	1-162-965-11	CERAMIC CHIP 0.0015UF	10.00% 50V				
C5609	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C5610	1-127-573-11	CERAMIC CHIP 1UF	10% 16V				
C5611	1-127-573-11	CERAMIC CHIP 1UF	10% 16V				
C5612	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C5613	1-127-573-11	CERAMIC CHIP 1UF	10% 16V				
C5614	1-125-827-91	CERAMIC CHIP 1UF	10.00% 25V				
C5615	1-125-827-91	CERAMIC CHIP 1UF	10.00% 25V				
C5616	1-100-552-21	ELECT CHIP 10UF	20% 25V				
C5617	1-135-342-21	ELECT CHIP 56UF	20% 10V				
C5618	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C5619	1-135-342-21	ELECT CHIP 56UF	20% 10V				

NP1 Board Variant Parts KDL-V40A12U

< CAPACITOR >

< FERRITE BEAD >

< IC >

< COIL >

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

NP1 H6 H7

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
L5631	1-424-754-21	INDUCTOR	47UH	*A-1090-221-A H6 Board, Complete			
L5680	1-419-491-21	INDUCTOR	10UH	< CAPACITOR >			
< PROTECTOR MODULE >				C7002	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
PS5601 Δ	1-576-736-41	IC LINK	3.15A 24V	C7003	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
PS5602 Δ	1-576-736-41	IC LINK	3.15A 24V	< CONNECTOR >			
< TRANSISTOR >				CN7000	1-580-057-91	PIN, CONNECTOR 4P	
Q5601	6-550-828-01	TRANSISTOR RSQ035P03TR		< DIODE >			
Q5602	6-550-828-01	TRANSISTOR RSQ035P03TR		D7000	8-719-069-60	DIODE UDZSTE-179.1B	
Q5603	6-550-355-01	TRANSISTOR RTQ045N03TR		D7001	8-719-069-60	DIODE UDZSTE-179.1B	
< RESISTOR >				D7002	8-719-069-60	DIODE UDZSTE-179.1B	
R5601	1-216-841-11	METAL CHIP	47K 5% 1/10W	< RESISTOR >			
R5602	1-216-853-11	METAL CHIP	470K 5% 1/10W	R7000	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
R5603	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	R7001	1-218-457-11	METAL CHIP 910 5% 1/10W	
R5604	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R7002	1-216-817-11	METAL CHIP 470 5% 1/10W	
R5605	1-216-843-11	METAL CHIP	68K 5% 1/10W	R7003	1-216-813-11	METAL CHIP 220 5% 1/10W	
R5606	1-216-837-11	METAL CHIP	22K 5% 1/10W	R7004	1-216-864-11	SHORT CHIP 0	
R5607	1-216-835-11	METAL CHIP	15K 5% 1/10W	R7005	1-216-864-11	SHORT CHIP 0	
R5608	1-216-836-11	METAL CHIP	18K 5% 1/10W	< SWITCH >			
R5609	1-218-727-11	METAL CHIP	30K 0.5% 1/10W	S7000	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5610	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S7001	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5611	1-216-837-11	METAL CHIP	22K 5% 1/10W	S7002	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5612	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S7003	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5613	1-216-821-11	METAL CHIP	1K 5% 1/10W	S7004	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5614	1-216-836-11	METAL CHIP	18K 5% 1/10W	S7005	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5615	1-216-864-11	SHORT CHIP	0	S7006	1-572-595-11	SWITCH, TACTIL (REFLOW TYPE)	
R5616	1-216-837-11	METAL CHIP	22K 5% 1/10W	*A-1090-222-A H7 Board, Complete			
R5617	1-216-864-11	SHORT CHIP	0	< CAPACITOR >			
R5618	1-216-841-11	METAL CHIP	47K 5% 1/10W	C7030	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
R5619	1-216-864-11	SHORT CHIP	0	C7031	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
R5620	1-216-864-11	SHORT CHIP	0	C7032	1-117-137-11	ELECT CHIP 33UF	20.00% 10V
R5621	1-216-864-11	SHORT CHIP	0	C7033	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
R5622	1-216-864-11	SHORT CHIP	0	C7034	1-115-566-11	CERAMIC CHIP 4.7UF	10.00% 10V
R5623	1-216-835-11	METAL CHIP	15K 5% 1/10W	< CONNECTOR >			
R5631	1-216-837-11	METAL CHIP	22K 5% 1/10W	CN7030	1-695-223-91	PIN, CONNECTOR 10P	
R5632	1-216-845-11	METAL CHIP	100K 5% 1/10W	< DIODE >			
R5633	1-216-837-11	METAL CHIP	22K 5% 1/10W	D7030	8-719-064-07	DIODE SML-310LTT86	
R5634	1-216-821-11	METAL CHIP	1K 5% 1/10W	D7031	6-500-861-01	DIODE SML-020MVT-T86	
R5635	1-216-833-11	METAL CHIP	10K 5% 1/10W	D7032	8-719-053-07	DIODE SML-310MTT86	
R5648	1-216-864-11	SHORT CHIP	0	D7033	8-719-069-60	DIODE UDZSTE-179.1B	
R5649	NOT FITTED			D7034	8-719-069-60	DIODE UDZSTE-179.1B	
R5650	1-216-864-11	SHORT CHIP	0				
R5651	NOT FITTED						
R5694	1-216-809-11	METAL CHIP	100 5% 1/10W				
R5695	1-216-809-11	METAL CHIP	100 5% 1/10W				
R5697	1-216-809-11	METAL CHIP	100 5% 1/10W				

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

H7 G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D7035	8-719-069-60	DIODE UDZSTE-179.1B		C6123	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
D7036	8-719-069-60	DIODE UDZSTE-179.1B		C6124	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
D7037	8-719-069-60	DIODE UDZSTE-179.1B		C6125	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
D7038	8-719-069-60	DIODE UDZSTE-179.1B		C6126	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
	< IC >			C6127	1-104-760-11	CERAMIC CHIP 0.047UF	10.00% 50V
IC7030	6-600-389-01	IC GP1UM26SRK1F		C6128	1-100-613-81	CERAMIC 470PF	5% 1KV
	< TRANSISTOR >			C6129	1-100-613-81	CERAMIC 470PF	5% 1KV
Q7030	8-729-028-98	TRANSISTOR DTC114WUA-T106		C6130	1-163-145-00	CERAMIC CHIP 0.0015UF	5.00% 50V
Q7031	8-729-028-98	TRANSISTOR DTC114WUA-T106		C6131	1-100-613-81	CERAMIC 470PF	5% 1KV
Q7032	8-729-028-98	TRANSISTOR DTC114WUA-T106		C6132	1-100-613-81	CERAMIC 470PF	5% 1KV
Q7033	8-729-028-98	TRANSISTOR DTC114WUA-T106		C6133	1-135-361-11	ELECT 180UF	20% 450V
	< RESISTOR >			C6134	1-135-361-11	ELECT 180UF	20% 450V
R7030	1-216-824-11	METAL CHIP 1.8K 5% 1/10W		C6135	1-135-361-11	ELECT 180UF	20% 450V
R7031	1-216-818-11	METAL CHIP 560 5% 1/10W		C6136	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R7032	1-216-817-11	METAL CHIP 470 5% 1/10W		C6137	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R7033	1-216-817-11	METAL CHIP 470 5% 1/10W		C6139	1-107-903-11	ELECT 2.2UF	20% 50V
R7034	1-216-817-11	METAL CHIP 470 5% 1/10W		C6140	1-112-188-11	MYLAR 1.5UF	5% 450V
R7035	1-216-805-11	METAL CHIP 47 5% 1/10W		C6300 Δ	1-115-350-51	CERAMIC 0.0047UF	2KV
	*A-1142-496-A G3L Board, Complete			C6301 Δ	1-115-350-51	CERAMIC 0.0047UF	2KV
	4-382-854-11	SCREW (M3X10), P, SW (+)		C6304	1-107-680-91	ELECT 22UF	20.00% 450V
	*7-322-065-48	RUBBER, SILICONE RTV (KE-3490)		C6305	1-107-974-11	CERAMIC 47PF	5.00% 2KV
	< CAPACITOR >			C6306	1-107-905-11	ELECT 4.7UF	20% 50V
C6002 Δ	1-165-531-11	MYLAR 1UF 10 275V		C6307	1-101-821-00	CERAMIC 0.0022UF	500V
C6004 Δ	1-165-529-31	MYLAR 0.22UF 10 0V		C6308	1-107-903-11	ELECT 2.2UF	20% 50V
C6005 Δ	1-119-886-51	CERAMIC 470PF 10.00% 250V		C6309	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6006 Δ	1-119-886-51	CERAMIC 470PF 10.00% 250V		C6312	1-107-910-11	ELECT 100UF	20% 50V
C6102	1-104-760-11	CERAMIC CHIP 0.047UF 10.00% 50V		C6313	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6103 Δ	1-115-350-51	CERAMIC 0.0047UF 2KV		C6314	1-119-886-51	CERAMIC 470PF	10.00% 250V
C6104 Δ	1-115-350-51	CERAMIC 0.0047UF 2KV		C6316	1-128-949-31	ELECT 470UF	20% 16V
C6106	1-115-339-11	CERAMIC CHIP 0.1UF 10.00% 50V		C6317	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6107	1-107-823-11	CERAMIC CHIP 0.47UF 10.00% 16V		C6318	1-128-526-11	ELECT 100UF	20% 25V
C6108 Δ	1-115-350-51	CERAMIC 0.0047UF 2KV		C6320	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6109 Δ	1-115-350-51	CERAMIC 0.0047UF 2KV		C6321	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6110 Δ	1-165-531-11	MYLAR 1UF 10 275V		C6400	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6113	1-112-024-21	MYLAR 1UF 10% 450V		C6420	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C6114	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V		C6421	1-107-906-11	ELECT 10UF	20% 50V
C6115	1-112-188-11	MYLAR 1.5UF 5% 450V		C6422	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C6116	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V		C6423	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6117	1-163-021-91	CERAMIC CHIP 0.01UF 10.00% 50V		C6424	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6118	1-162-962-11	CERAMIC CHIP 470PF 10.00% 50V		C6425	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C6119	1-119-886-51	CERAMIC 470PF 10.00% 250V		C6426	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6120	1-128-526-11	ELECT 100UF 20% 25V		C6427	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6121	1-163-037-11	CERAMIC CHIP 0.022UF 10.00% 50V		C6428	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C6122	1-107-889-11	ELECT 220UF 20% 25V		C6429	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
				C6430	1-107-905-11	ELECT 4.7UF	20% 50V
				C6431	1-107-888-11	ELECT 47UF	20% 25V
				C6432	1-107-905-11	ELECT 4.7UF	20% 50V
				C6433	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
				C6434	1-107-902-11	ELECT 1UF	20% 50V
				C6435	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C6436	1-107-910-11	ELECT 100UF	20% 50V	C6809	1-107-928-11	ELECT 4.7UF	20% 100V
C6437	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6811	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6439	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V			< CONNECTOR >	
C6470	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V				
C6471	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	CN6001	Δ *1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
C6472	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	CN6200	1-794-519-21	PIN, CONNECTOR (PC BOARD) 14P	
C6474	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN6201	1-764-177-91	PIN, CONNECTOR 7P	
C6500	1-117-227-11	MYLAR 1UF	10% 450V	CN6202	1-816-296-21	PIN, CONNECTOR (PC BOARD) 9P	
C6501	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	CN6203	*1-766-175-11	PIN, CONNECTOR (PC BOARD) 5P	
C6502	1-107-905-11	ELECT 4.7UF	20% 50V	CN6204	1-779-992-11	PIN, CONNECTOR (PWB) 8P	
C6503	1-107-909-11	ELECT 47UF	20% 50V			< DIODE >	
C6504	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6001	8-719-081-97	DIODE MMDL914T1	
C6505	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V	D6100	Δ 8-719-304-63	DIODE RM11C	
C6506	1-107-906-11	ELECT 10UF	20% 50V	D6102	8-719-081-97	DIODE MMDL914T1	
C6508	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6103	8-719-978-33	DIODE DTZ-TT11-6.8B	
C6509	1-136-169-00	FILM 0.22UF	5.00% 50V	D6104	8-719-054-89	DIODE D15XB60	
C6510	1-107-888-11	ELECT 47UF	20% 25V	D6105	8-719-081-97	DIODE MMDL914T1	
C6511	1-107-824-11	CERAMIC 220PF	5.00% 1KV	D6106	6-500-137-01	DIODE BAT54HT1	
C6512	1-107-824-11	CERAMIC 220PF	5.00% 1KV	D6107	Δ 8-719-304-63	DIODE RM11C	
C6513	1-165-953-11	FILM 47000PF	3% 800V	D6108	6-500-254-01	DIODE MM3Z7V5T1	
C6600	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6109	6-500-137-01	DIODE BAT54HT1	
C6602	1-131-969-11	ELECT 1800UF	20% 25V	D6110	6-500-137-01	DIODE BAT54HT1	
C6603	1-131-969-11	ELECT 1800UF	20% 25V	D6111	8-719-041-97	DIODE MA113-(TX)	
C6604	1-131-969-11	ELECT 1800UF	20% 25V	D6112	8-719-041-97	DIODE MA113-(TX)	
C6607	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D6113	6-501-043-01	DIODE UM216NT106	
C6608	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D6114	6-501-043-01	DIODE UM216NT106	
C6609	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D6115	6-501-043-01	DIODE UM216NT106	
C6700	1-137-639-21	MYLAR 0.47UF	10% 450V	D6117	8-719-304-63	DIODE RM11C	
C6701	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6118	6-500-407-01	DIODE SF20L60U-4015	
C6702	1-107-905-11	ELECT 4.7UF	20% 50V	D6121	8-719-041-97	DIODE MA113-(TX)	
C6704	1-107-909-11	ELECT 47UF	20% 50V	D6122	Δ 6-500-849-01	DIODE ERA22-08KFLB	
C6705	1-100-831-91	CERAMIC CHIP 0.001UF	2% 50V	D6123	Δ 6-500-849-01	DIODE ERA22-08KFLB	
C6706	1-107-906-11	ELECT 10UF	20% 50V	D6300	8-719-077-76	DIODE D2SB60A-F04	
C6707	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	D6301	8-719-948-45	DIODE ERA22-08	
C6708	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D6302	8-719-069-55	DIODE UDZSTE-175.6B	
C6709	1-136-169-00	FILM 0.22UF	5.00% 50V	D6401	8-719-081-97	DIODE MMDL914T1	
C6710	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6402	8-719-036-65	DIODE RD2.0SB-T1	
C6713	1-107-888-11	ELECT 47UF	20% 25V	D6420	8-719-081-97	DIODE MMDL914T1	
C6714	1-107-910-11	ELECT 100UF	20% 50V	D6421	8-719-059-51	DIODE MA3J142E0LSO	
C6715	1-107-824-11	CERAMIC 220PF	5.00% 1KV	D6422	8-719-083-63	DIODE UDZSTE-1713B	
C6716	1-107-824-11	CERAMIC 220PF	5.00% 1KV	D6423	8-719-081-97	DIODE MMDL914T1	
C6717	1-100-919-11	FILM 0.027UF	3% 1KV	D6475	8-719-081-97	DIODE MMDL914T1	
C6800	1-126-967-11	ELECT 47UF	20.00% 50V	D6500	8-719-082-03	DIODE MM3Z15VT1	
C6801	1-128-582-11	ELECT 10UF	20.00% 100V	D6501	8-719-082-03	DIODE MM3Z15VT1	
C6802	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D6502	8-719-082-03	DIODE MM3Z15VT1	
C6803	1-128-959-31	ELECT 1000UF	20% 35V	D6503	8-719-979-64	DIODE UF4005/23	
C6804	1-128-959-31	ELECT 1000UF	20% 35V	D6504	6-501-043-01	DIODE UM216NT106	
C6805	1-131-970-11	ELECT 1500UF	20% 25V	D6505	6-501-043-01	DIODE UM216NT106	
C6806	1-128-951-31	ELECT 2200UF	20% 16V				
C6807	1-128-951-31	ELECT 2200UF	20% 16V				

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D6506	8-719-080-69	DIODE M1FS4-4063		IC6421	6-704-924-01	IC PQ12DZ5UJ00H	
D6507	8-719-080-69	DIODE M1FS4-4063		IC6422	8-759-682-42	IC MM1431ATT	
D6508	8-719-082-03	DIODE MM3Z15VT1		IC6500	6-706-852-01	IC CXD9841M	
D6509	8-719-080-69	DIODE M1FS4-4063		IC6600	8-759-682-42	IC MM1431ATT	
D6600	8-719-510-41	DIODE D10SC9M		IC6700	6-706-852-01	IC CXD9841M	
D6601	8-719-510-41	DIODE D10SC9M		IC6800	8-759-682-42	IC MM1431ATT	
D6602	8-719-510-41	DIODE D10SC9M					
D6603	8-719-510-41	DIODE D10SC9M				< COIL >	
D6604	8-719-079-29	DIODE PTZ-TE25-22B		L6002	Δ 1-456-856-21	LINE FILTER COIL	
D6700	8-719-081-97	DIODE MMDL914T1		L6101	1-456-917-11	INDUCTOR	170UH
D6701	8-719-082-03	DIODE MM3Z15VT1		L6102	1-456-854-11	INDUCTOR	58UH
D6702	8-719-082-03	DIODE MM3Z15VT1		L6104	1-456-854-11	INDUCTOR	58UH
D6703	8-719-081-97	DIODE MMDL914T1		L6300	1-412-537-31	INDUCTOR	100UH
D6704	8-719-082-03	DIODE MM3Z15VT1		L6500	1-406-665-11	INDUCTOR	100UH
D6705	8-719-979-64	DIODE UF4005/23		L6601	1-406-971-21	INDUCTOR	10UH
D6706	6-501-043-01	DIODE UMZ16NT106		L6602	1-406-971-21	INDUCTOR	10UH
D6707	6-501-043-01	DIODE UMZ16NT106		L6603	1-406-971-21	INDUCTOR	10UH
D6709	6-500-567-31	DIODE 10ERB20-TB3		L6700	1-406-667-11	INDUCTOR	220UH
D6710	8-719-080-69	DIODE M1FS4-4063		L6800	1-406-971-21	INDUCTOR	10UH
D6711	8-719-080-69	DIODE M1FS4-4063		L6801	1-406-971-21	INDUCTOR	10UH
D6712	8-719-082-03	DIODE MM3Z15VT1				< PHOTOCOUPLER >	
D6713	8-719-080-69	DIODE M1FS4-4063		PH6300	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6800	8-719-041-97	DIODE MA113-(TX)		PH6420	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6801	8-719-510-13	DIODE D10SC4MR		PH6421	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6802	8-719-060-25	DIODE FCQ30A06		PH6474	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6803	8-719-063-73	DIODE D1NL20U-TR		PH6500	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6804	8-719-052-37	DIODE F10P04Q		PH6700	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22J00F
D6805	8-719-063-73	DIODE D1NL20U-TR				< TRANSISTOR >	
D6806	8-719-060-25	DIODE FCQ30A06		Q6101	8-729-907-00	TRANSISTOR	DTC114EU
D6807	8-719-510-41	DIODE D10SC9M		Q6102	8-729-820-86	TRANSISTOR	2SB1121-ST
D6808	8-719-983-37	DIODE MTZJ-T-77-36A		Q6103	8-729-905-35	TRANSISTOR	2SC4081-R
D6903	6-500-567-31	DIODE 10ERB20-TB3		Q6104	8-729-807-17	TRANSISTOR	2SD1621-S
D6904	6-500-567-31	DIODE 10ERB20-TB3		Q6105	6-550-372-01	TRANSISTOR	SPA20N60C3E8152
D6905	6-500-567-31	DIODE 10ERB20-TB3		Q6106	6-550-372-01	TRANSISTOR	SPA20N60C3E8152
		< FUSE >		Q6107	6-550-372-01	TRANSISTOR	SPA20N60C3E8152
F6001	Δ 1-576-233-51	FUSE	6.3A 250V	Q6400	8-729-023-22	TRANSISTOR	2SD2114K
FH6001	Δ 1-533-223-11	FUSE HOLDER		Q6420	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR
FH6002	Δ 1-533-223-11	FUSE HOLDER		Q6421	8-729-905-35	TRANSISTOR	2SC4081-R
		< FERRITE BEAD >		Q6422	8-729-905-35	TRANSISTOR	2SC4081-R
FB6500	1-410-397-21	FERRITE	1.1UH	Q6423	8-729-905-35	TRANSISTOR	2SC4081-R
FB6501	1-410-397-21	FERRITE	1.1UH	Q6424	8-729-905-35	TRANSISTOR	2SC4081-R
		< IC >		Q6425	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR
IC6100	6-703-132-01	IC UC3854BN		Q6426	8-729-907-00	TRANSISTOR	DTC114EU
IC6101	8-759-682-42	IC MM1431ATT		Q6427	8-729-905-35	TRANSISTOR	2SC4081-R
IC6300	6-600-279-01	IC STR-A6169		Q6428	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR
IC6301	8-759-682-42	IC MM1431ATT		Q6429	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR
IC6420	8-759-058-50	IC XRA10324AF		Q6430	8-729-804-41	TRANSISTOR	2SB1122-S

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6431	8-729-907-00	TRANSISTOR DTC114EU		R6136	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q6470	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R6137	1-216-849-11	METAL CHIP 220K 5%	1/10W
Q6471	8-729-905-35	TRANSISTOR 2SC4081-R		R6138	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
Q6500	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6139	1-216-837-11	METAL CHIP 22K 5%	1/10W
Q6501	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6140	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
Q6700	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6141	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q6701	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6142	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
Q6800	8-729-140-96	TRANSISTOR 2SD774-34		R6143	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
< RESISTOR >				R6144	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6001	Δ 1-247-289-00	METAL 8.2M 5%	1W	R6145	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6002	Δ 1-240-938-91	METAL 1.5M 5%	0.5W	R6146	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6003	1-216-864-11	SHORT CHIP 0		R6147	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6004	Δ 1-202-962-11	CEMENTED 3.3 5%	10W	R6148	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6005	Δ 1-217-781-31	FUSIBLE 2.2 5%	5W	R6149	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6006	Δ 1-202-962-11	CEMENTED 3.3 5%	10W	R6150	1-208-830-11	METAL CHIP 100K 0.5%	1/10W
R6007	Δ 1-240-938-91	METAL 1.5M 5%	0.5W	R6151	1-218-869-11	METAL CHIP 8.2K 0.5%	1/10W
R6101	1-216-857-11	METAL CHIP 1M 5%	1/10W	R6152	1-218-851-11	METAL CHIP 1.5K 0.5%	1/10W
R6103	1-218-903-11	METAL CHIP 220K 0.5%	1/10W	R6153	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R6104	1-245-474-21	METAL 330K 1%	1/4W	R6154	1-216-835-11	METAL CHIP 15K 5%	1/10W
R6105	1-245-474-21	METAL 330K 1%	1/4W	R6155	1-215-882-00	METAL OXIDE 22 5%	2W
R6106	1-208-830-11	METAL CHIP 100K 0.5%	1/10W	R6156	1-215-882-00	METAL OXIDE 22 5%	2W
R6107	1-245-474-21	METAL 330K 1%	1/4W	R6157	1-216-833-11	METAL CHIP 10K 5%	1/10W
R6108	1-245-474-21	METAL 330K 1%	1/4W	R6158	1-216-801-11	METAL CHIP 22 5%	1/10W
R6109	1-208-830-11	METAL CHIP 100K 0.5%	1/10W	R6159	1-249-393-11	CARBON 10 5%	1/4W
R6110	1-218-895-11	METAL CHIP 100K 0.5%	1/10W	R6160	1-216-857-11	METAL CHIP 1M 5%	1/10W
R6111	1-218-877-11	METAL CHIP 18K 0.5%	1/10W	R6161	1-216-857-11	METAL CHIP 1M 5%	1/10W
R6112	1-245-474-21	METAL 330K 1%	1/4W	R6162	1-216-842-11	METAL CHIP 56K 5%	1/10W
R6113	1-245-474-21	METAL 330K 1%	1/4W	R6167	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R6114	1-208-830-11	METAL CHIP 100K 0.5%	1/10W	R6168	1-208-832-11	METAL CHIP 120K 0.5%	1/10W
R6115	1-216-825-11	METAL CHIP 2.2K 5%	1/10W	R6169	1-208-832-11	METAL CHIP 120K 0.5%	1/10W
R6116	1-218-845-11	METAL CHIP 820 0.5%	1/10W	R6170	1-208-832-11	METAL CHIP 120K 0.5%	1/10W
R6117	1-216-835-11	METAL CHIP 15K 5%	1/10W	R6300	1-216-353-00	METAL OXIDE 2.2 5%	1W
R6118	1-216-830-11	METAL CHIP 5.6K 5%	1/10W	R6301	1-249-381-11	CARBON 1 5%	1/4W
R6119	1-216-857-11	METAL CHIP 1M 5%	1/10W	R6302	1-243-725-71	METAL OXIDE 100K 5%	1W
R6120	1-216-837-11	METAL CHIP 22K 5%	1/10W	R6303	1-216-864-11	SHORT CHIP 0	
R6122	1-243-665-11	METAL 0.05 5%	5W	R6304	1-249-393-11	CARBON 10 5%	1/4W
R6123	1-243-665-11	METAL 0.05 5%	5W	R6305	1-249-393-11	CARBON 10 5%	1/4W
R6124	1-249-393-11	CARBON 10 5%	1/4W	R6306	1-216-821-11	METAL CHIP 1K 5%	1/10W
R6125	1-216-801-11	METAL CHIP 22 5%	1/10W	R6307	1-216-817-11	METAL CHIP 470 5%	1/10W
R6126	1-216-825-11	METAL CHIP 2.2K 5%	1/10W	R6308	1-216-839-11	METAL CHIP 33K 5%	1/10W
R6127	1-249-393-11	CARBON 10 5%	1/4W	R6309	1-218-871-11	METAL CHIP 10K 0.5%	1/10W
R6128	1-216-837-11	METAL CHIP 22K 5%	1/10W	R6310	1-216-864-11	SHORT CHIP 0	
R6129	1-216-833-11	METAL CHIP 10K 5%	1/10W	R6311	1-218-871-11	METAL CHIP 10K 0.5%	1/10W
R6130	1-216-801-11	METAL CHIP 22 5%	1/10W	R6401	1-216-835-11	METAL CHIP 15K 5%	1/10W
R6131	1-216-833-11	METAL CHIP 10K 5%	1/10W	R6421	1-216-845-11	METAL CHIP 100K 5%	1/10W
R6132	1-249-393-11	CARBON 10 5%	1/4W	R6422	1-216-837-11	METAL CHIP 22K 5%	1/10W
R6133	1-249-401-11	CARBON 47 5%	1/4W	R6423	1-216-833-11	METAL CHIP 10K 5%	1/10W
R6134	1-249-393-11	CARBON 10 5%	1/4W	R6424	1-216-821-11	METAL CHIP 1K 5%	1/10W
R6135	1-216-837-11	METAL CHIP 22K 5%	1/10W	R6425	1-216-841-11	METAL CHIP 47K 5%	1/10W
				R6426	1-216-833-11	METAL CHIP 10K 5%	1/10W

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R6427	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6477	1-216-837-11	METAL CHIP	22K 5% 1/10W
R6428	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6479	1-249-393-11	CARBON	10 5% 1/4W
R6429	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6480	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6430	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6481	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6431	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6500	1-249-393-11	CARBON	10 5% 1/4W
R6432	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6501 Δ	1-202-933-61	FUSIBLE	0.1 10% 1/2W
R6433	1-216-835-11	METAL CHIP	15K 5% 1/10W	R6502	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R6434	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6503	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R6435	1-216-837-11	METAL CHIP	22K 5% 1/10W	R6504	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R6436	1-216-847-11	METAL CHIP	150K 5% 1/10W	R6505	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R6437	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6506	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R6438	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6507	1-218-760-11	METAL CHIP	220K 0.5% 1/10W
R6439	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6508	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R6440	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6509	1-218-854-11	METAL CHIP	2K 0.5% 1/10W
R6441	1-216-841-11	METAL CHIP	47K 5% 1/10W	R6510	1-218-877-11	METAL CHIP	18K 0.5% 1/10W
R6442	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6513	1-211-990-11	METAL CHIP	75 0.5% 1/10W
R6443	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6514 Δ	1-212-865-00	FUSIBLE	22 5% 1/4W
R6444	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6515 Δ	1-212-865-00	FUSIBLE	22 5% 1/4W
R6445	1-208-830-11	METAL CHIP	100K 0.5% 1/10W	R6516	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R6446	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R6517	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R6447	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R6518	1-219-759-11	METAL	1M 5% 1/2W
R6448	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6519	1-219-759-11	METAL	1M 5% 1/2W
R6449	1-216-841-11	METAL CHIP	47K 5% 1/10W	R6520	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6450	1-216-849-11	METAL CHIP	220K 5% 1/10W	R6521	1-216-341-11	METAL OXIDE	0.22 5% 1W
R6451	1-216-797-11	METAL CHIP	10 5% 1/10W	R6522	1-216-864-11	SHORT CHIP	0
R6452	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6523	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6453	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R6524	1-216-341-11	METAL OXIDE	0.22 5% 1W
R6454	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R6600	1-218-853-11	METAL CHIP	1.8K 0.5% 1/10W
R6455	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6601	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6456	1-218-853-11	METAL CHIP	1.8K 0.5% 1/10W	R6602	1-216-864-11	SHORT CHIP	0
R6457	1-218-831-11	METAL CHIP	220 0.5% 1/10W	R6603	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6458	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W	R6604	1-216-813-11	METAL CHIP	220 5% 1/10W
R6459	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6605	1-218-865-11	METAL CHIP	5.6K 0.5% 1/10W
R6460	1-216-841-11	METAL CHIP	47K 5% 1/10W	R6607	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R6461	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6610	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6462	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6611	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6463	1-216-841-11	METAL CHIP	47K 5% 1/10W	R6700	1-249-393-11	CARBON	10 5% 1/4W
R6464	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6701 Δ	1-202-933-61	FUSIBLE	0.1 10% 1/2W
R6465	1-249-393-11	CARBON	10 5% 1/4W	R6702	1-218-868-11	METAL CHIP	7.5K 0.5% 1/10W
R6466	1-216-837-11	METAL CHIP	22K 5% 1/10W	R6703	1-208-840-11	METAL CHIP	270K 0.5% 1/10W
R6467	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6704	1-208-840-11	METAL CHIP	270K 0.5% 1/10W
R6468	1-216-817-11	METAL CHIP	470 5% 1/10W	R6705	1-218-877-11	METAL CHIP	18K 0.5% 1/10W
R6469	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	R6706	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6470	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6707	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R6471	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6709 Δ	1-212-865-00	FUSIBLE	22 5% 1/4W
R6472	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6710	1-249-393-11	CARBON	10 5% 1/4W
R6473	1-216-833-11	METAL CHIP	10K 5% 1/10W	R6711 Δ	1-212-865-00	FUSIBLE	22 5% 1/4W
R6474	1-216-864-11	SHORT CHIP	0	R6712	1-218-827-11	METAL CHIP	150 0.5% 1/10W
R6475	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R6713	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6476	1-216-821-11	METAL CHIP	1K 5% 1/10W	R6714	1-216-833-11	METAL CHIP	10K 5% 1/10W

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G3L

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6716	1-260-304-51	CARBON	10 5% 1/2W
R6717	1-216-361-00	METAL OXIDE	0.22 5% 2W
R6718	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6720	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R6721	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R6722	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R6723	1-208-830-11	METAL CHIP	100K 0.5% 1/10W
R6802	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6803	1-249-377-11	CARBON	0.47 5% 1/4W
R6804	1-216-864-11	SHORT CHIP	0
R6806	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6807	1-216-864-11	SHORT CHIP	0
R6808	1-216-864-11	SHORT CHIP	0
R6809	1-216-864-11	SHORT CHIP	0
R6810	1-216-864-11	SHORT CHIP	0
R6811	1-249-393-11	CARBON	10 5% 1/4W
R6812	1-216-793-11	METAL CHIP	4.7 5% 1/10W
R6813	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6815	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6816	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6817	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R6818	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R6819	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R6820	1-216-841-11	METAL CHIP	47K 5% 1/10W
R6821	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6822	1-216-857-11	METAL CHIP	1M 5% 1/10W
R6823	1-216-857-11	METAL CHIP	1M 5% 1/10W
< RESISTOR VARIABLE >			
RV6100	1-225-626-91	RES, VAR, ADJ, CERMET 1K	
< RELAY >			
RY6002	Δ 1-755-418-12	RELAY (AC POWER)	
RY6004	Δ 1-755-418-12	RELAY (AC POWER)	
< TRANSFORMER >			
T6100	Δ 1-443-463-11	CONVERTER TRANSFORMER (PIT)	
T6101	Δ 1-443-463-11	CONVERTER TRANSFORMER (PIT)	
T6300	Δ 1-443-313-11	TRANSFORMER, CONVERTER (SBT)	
T6700	Δ 1-443-462-11	CONVERTER TRANSFORMER (PIT)	
< THERMISTOR >			
TH6300	1-803-586-11	THERMISTOR, NTC	
TH6420	1-809-789-71	THERMISTOR, POSITIVE	
TH6474	1-804-045-11	THERMISTOR	
< VARISTOR >			
VD6001	Δ 1-805-479-21	VARISTOR	
VD6002	Δ 1-805-479-21	VARISTOR	

REF.NO.	PART.NO	DESCRIPTION	REMARK
MISCELLANEOUS			
	1-826-132-11	LOUDSPEAKER (L)	
	1-826-132-21	LOUDSPEAKER (R)	
	1-805-879-11	PANEL, LCD	
Δ	1-819-554-11	INLET, AC (WITH NOISE FILTER)	
	1-787-393-11	D.C. FAN	
Δ	1-824-337-21	POWER-SUPPLY CORD FERRITE CORE (KDL-V40A12U)	
Δ	1-824-338-21	POWER-SUPPLY CORD FERRITE CORE (KLV-V40A10E)	
	8-597-993-00	TUNER, FSS BTF-EF412Z	
	8-597-997-00	TUNER, FSS BTP-DC412Z (KDL-V40A12U)	
ACCESSORIES AND PACKAGING MATERIALS			
	X-2102-511-1	BAG ASSY, RUDDER LOCK	
	2-595-155-01	CLAMP	
	1-769-175-21	CABLE, ANTENNA (WITH FILTER)	
*2-	632-670-01	BAG, PROTECTION	
*2-	632-848-01	TRAY	
*2-	632-849-01	BOARD, TOP	
*2-	632-850-01	CUSHION UPPER	
*2-	632-853-01	CUSHION LOWER	
*2-	632-856-01	BOARD, BOTTOM	
*2-	634-603-03	INDIVIDUAL CARTON (KLV-V40A10E)	
*2-	632-847-02	INDIVIDUAL CARTON (KDL-V40A12U)	
*4-	087-938-01	JOINT	
2-	635-164-13	INSTRUCTION MANUAL (ENGLISH) (KDL-V40A12U)	
2-	629-166-13	INSTRUCTION MANUAL (ENGLISH/GERMAN/DUTCH/PORTUGUESE/NORWEGIAN) (KLV-V40A10E)	
2-	629-166-23	INSTRUCTION MANUAL (FRENCH/ITALIAN/SPANISH/FINNISH) (KLV-V40A10E)	
2-	629-166-33	INSTRUCTION MANUAL (SWEDISH/DANISH/GREEK/RUSSIAN/POLISH) (KLV-V40A10E)	
*2-	635-539-12	FLYER (WALL MOUNT INSTRUCTION) (KDL-V40A12U)	
*2-	635-540-11	MANUAL (WALL MOUNT INSTRUCTION) (KLV-V40A10E)	
REMOTE COMMANDER			
1-	479-394-12	REMOTE COMMANDER (RM-EA001) (KLV-V40A10E)	
1-	479-395-12	REMOTE COMMANDER (RM-ED001) (KDL-V40A12U)	

