

SERVICE MANUAL

AE-5A CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-29FQ75A	RM-893	ET	SCC-Q45A-A	KV-29FQ75E	RM-893	ESP	SCC-Q43A-A
KV-29FQ75D	RM-893	AEP	SCC-Q41D-A	KV-29FQ75K	RM-893	OIRT	SCC-Q42B-A

FD Trinitron



TRINITRON[®] COLOR TV
SONY[®]

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

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.

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.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN /NICAM Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

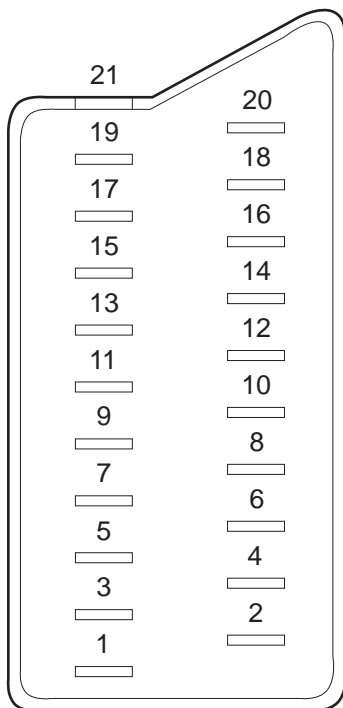
Model	KV-29FQ75A	KV-29FQ75D	KV-29FQ75E	KV-29FQ75K
Power Consumption	134W	158W	158W	158W

Picture Tube	FD Trinitron Wide Approx 72 cm (29 inches) (Approx 68 cm picture measured diagonally) 104 degree deflection	Sound output Subwoofer	Right and Left speaker 2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]		Power Requirements	220 - 240V
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 765x635x570mm
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	Approx 59kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (monitor out)	Supplied Accessories	RM-893 Remote Commander (1) IEC designated R6 battery (2)
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	NexTVView, Digital Comb Filter, Noise Reduction, DRC 100Hz Picture, DRC 50Hz Picture, Graphic Equaliser
Input/Output Terminals [FRONT]		Remote control system	Infrared control
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks	Dimensions	Approx 210x55x23mm (w/h/d)
Video inputs	phono jacks	Weight	Approx 110g (not including battery)
S Video input	4 pin DIN		

Design and specifications are subject to change without notice.

Model Name Item	KV-29FQ75A	KV-29FQ75D	KV-29FQ75E	KV-29FQ75K
Pal Comb	ON	ON	ON	ON
PIP	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	ON	ON
Woofer Box	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON
Norm I	OFF	OFF	OFF	OFF
Norm D/K	ON	ON	ON	ON
Norm AUS	OFF	OFF	OFF	OFF
Norm L	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
Teletext	ON	ON	ON	ON
Nicam Stereo	OFF	OFF	ON	OFF

21 pin connector



Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio output 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	○	○	○	Open	
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



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.



S-Video socket

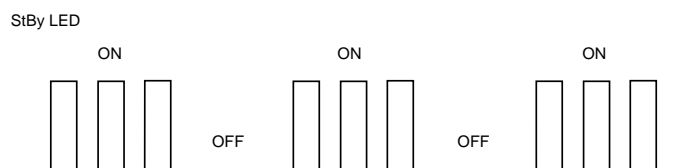
AE-5A SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-5A 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) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in. Fuse is open circuit.	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC6604 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
OVP (Over Voltage Protection)	03
Vertical Protection	04
Unstable AKB (check starts after 30's, enable TT61 disable TT62)	05
Horizontal Protection	06
Speaker Protection	07
I2C bus 0 error	08
M-B Tele-Text-Decoder	09
M-B ST24C32, NVM	10
J-B TDA9320, Main Colour Decoder	11
B1/B2-B Feature Box	12
B1-B D/A-Converter	13
E-B Backend	14
J-B MSP3410D, Sound Processor	15
J-B CXD2057, Auto Wide	16
External RAM	17

Flash Timing Example : e.g. error number 3



Error Detection Monitor

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after each attempt, it will be regarded as an error. There are three steps to check for errors.

1. IIC line 0
If all devices except the NVM have errors, IIC line 0 error is displayed.
2. Board check
If all devices mounted on one board have errors, board error is displayed.
3. Each device check
If IIC line error and board error are not detected then the device with the error is displayed.

The detected errors can be displayed as follows :

1. Error Monitor Menu.
2. Error Reader.

1. Error Monitor Menu

ERROR MONITOR

1. IGNORE ERRORS OFF ON OFF

Operating Time : 000075 h 15 min

Stored Errors :

1. D1 - B CXA1875 or MB88141

2. No Error Occured

3. No Error Occured

4. No Error Occured

5. No Error Occured

Current Error :

Start Error Sequence

Last menu ◀ Enter Item ▶

2. Error Reader Display

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table.

Error Code	Error Message
000h	No error occurred
001h	Bus error, IIC0
002h	Bus error, IIC1
100h	A-Board
101h	A-B CXA1875, Port Expander
102h	A-B TU1326, Main Tuner
103h	A-B TU1350, Sub Tuner
200h	B1-Board
201h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
202h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
300h	B2-Board
301h	B2-B. SAA4977, BESIC
302h	B2-B. SAA495X, Field Memory
400h	B3-Board
401h	B3-B. MID-X
402h	B3-B. Panorama
403h	B3-B. DRC
404h	BK-B. Picture Booster
500h	D1-Board
501h	D1-B CXA8070, Dynamic Convertor
502h	D1-B CXA1875, Port Expander
600h	E-Board
601h	E-B CXD2100, Backend
700h	J-Board
701h	J-B CXD2057, Auto Wide
702h	J-B SDA9288, PIP
703h	J-B TDA9320, Sub Colour Decoder
704h	J-B TDA9320, Main Colour Decoder
705h	J-B CXA1875, Sub-Sound
706h	J-B TDA7309, HP-Amplifier
707h	J-B TEA6422DT, Audio Switch
708h	J-B MSP3410D, Sound Processor
709h	J-B TC9337F, Sound DSP
70Ah	J-B CXA21X69, AV Switch
800h	M-Board
801h	M-B ST24C32, NVM

Installation

6. Tuning your TV

Before you tune your TV, you will be asked to set your language and country.

1. The Language/Country menu appears on the TV screen with the word 'English' highlighted.
2. Press the **▲** or **▼** buttons on the remote control to select your chosen language then press the **OK** button to confirm. The country menu appears on screen with the word 'OHF' highlighted. Select 'OHF' if you do not want your channels stored in a given channel sequence starting from programme position 1.
3. Press **▲** or **▼** to select the country in which you wish to operate the TV then press the **OK** button to confirm your choice.
4. The 'autotune' menu appears on the TV screen in your selected language. Press the **OK** button to confirm.

5. Ensure the aerial is connected as instructed, then press the **OK** button to confirm. The TV starts to automatically search and store all available channels for you. This may take a few minutes - please be patient and do not press any buttons.

6. Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the **▲** or **▼** buttons to select the channel you want to move then press **►**. Press the **▲** or **▼** buttons to select the new programme number position for your selected channel then press the **OK** button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.

7. Press the **MENU** button to remove the menu from the TV screen.
8. Press the **PROG+/-** or the numbered buttons to view the TV channels.

Note: If you would like to stop the autotune process at any stage, press the **OK** button.

7. Finding your video channel

If you have connected a VCR to your TV, you now need to find your video channel.

1. Press the **PROG+/-** buttons on the TV remote control until your video picture appears on the TV screen.

Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging TV channels' section of this instruction manual.

Operation

NexTVView*

* depending on availability of service

NexTVView is an on-screen electronic programme guide, providing you with programme information for different broadcasters.

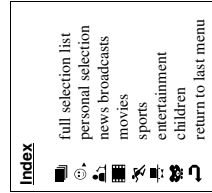
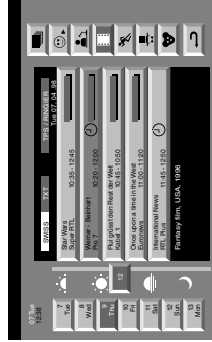
Selecting your NexTVView provider

Your TV set automatically selects the best NexTVView provider for you. This provider is available about 30 minutes after the channel tuning. You can however change this selection of provider if you wish.

1. Press the **MENU** button on the remote control to display the menu on the TV screen.
2. Press the **▲** or **▼** buttons to select the **☐** symbol on the menu screen then press **►** to enter the 'Set Up' menu.
3. Press the **▲** or **▼** to highlight 'Select NexTVView' then press **►** to confirm. A list is displayed containing all available NexTVView providers.
4. Press **▲** or **▼** to select the desired NexTVView provider then press the **OK** button to store.
5. Press the **MENU** button to remove the menu from the TV screen.

Displaying NexTVView

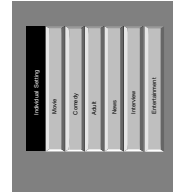
1. Press the **☐** button repeatedly on the remote control to switch NexTVView on and off.
* In some cases, you may also need to press the **◀** button to display the Sony electronic programme guide.
2. Press the **▲**, **▼**, **◀** or **▶** buttons to move the cursor around the screen.
3. Press the **OK** button to confirm a selection.
 - a. If you press the **OK** button in the date, time or icon (themes) columns, you change the programme list according to the selection.
 - b. If you press the **OK** button in the programme list, you directly display the channel if the broadcast is currently running, or, you display the 'Long Info' menu if the broadcast is running at some future time.



Using the 'Individual Setting' menu

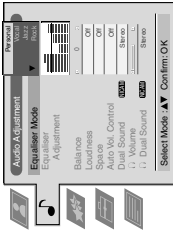


You can make a personal list of the types of programmes you wish to view on the programme guide.


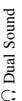
1. Press the **▲** or **▼** buttons to select the **☺** icon then press **►** to display the 'Individual Setting' menu.
2. Press **▲** or **▼** to select your chosen item on the screen then press the **OK** button to confirm your choice.
3. Repeat step 2 for all the items you wish to have in your list.
4. When you have finished the list, press **►** to select **↩** on the menu screen.
5. Press the **OK** button to return to the previous menu.
6. Press the **▲** or **▼** buttons to select the **☺** icon then press the **OK** button again to activate your 'Individual Setting' filter.



Using the TV menu system:


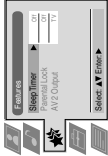
Sound Control

Item	Effect/Operation
Equaliser Mode	<div>▼ Personal</div> <div>Vocal</div> <div>Jazz</div> <div>Rock</div> <div>Pop</div> <div>▲ Flat (fixed setting, cannot be adjusted)</div>
Equaliser adjustment	<div>You can adjust the mode selected in Equaliser mode by cutting and boosting the 5 selected frequency bands. Press ◀ or ▶ to select the frequency band then ▼ or ▲ to adjust the frequency. Finally, press the OK button to store the new adjustment.</div> <div></div>
 If you want to store the new setting, you need to set the Equaliser mode to 'Personal'. 'Personal' mode permanently stores the setting, all other modes (Vocal, Jazz, Rock, Pop) store only until the next mode change.	
Balance	<div>◀ More left</div> <div>▶ More right</div>
Loudness	<div>▼ Off: Normal</div> <div>▲ On: For music broadcasts</div>
Space	<div>▼ Off: Normal</div> <div>▲ On: Special acoustic effect</div>
Auto Vol. Control	<div>▼ On: Volume level of the channels will stay the same independent of the broadcast signal (eg in the case of advertisements)</div> <div>▲ Off: Volume level changes according to the broadcast signal.</div>
Dual Sound	<div>For a bilingual broadcast:</div> <div>▼ A for channel 1</div> <div>▲ B for channel 2</div> <div>For a stereo broadcast:</div> <div>▼ Mono</div> <div>▲ Stereo</div>
 When NICAM stereo is being broadcast, the indication NICAM appears briefly on the screen.	

Headphones	
 Volume	Less ◀ ▶ More
 Dual Sound	<div>Only available when PAP feature is selected:</div> <div>▼ Stereo: The sound of one screen comes through both the TV loudspeakers and the headphones.</div> <div>▲ PAP: The sound of the left screen comes through the TV loudspeakers, the sound of the right screen is selectable via headphones.</div>
For more detail on PAP, refer to the 'Operating PAP' section of this manual.	

Using the TV menu system:

Using the Features menu

1. Press the MENU button on the remote control to display the menu on the TV screen.	
2. Press the ▲ or ▼ buttons to select  for the 'Features' menu then press ▶ to enter the 'Features' menu.	
3. Press the ▲ or ▼ buttons to select the desired menu item then press ▶ to confirm. For a description of the menu items and their effects, see the table below.	
4. Press the ▲, ▼, ▶ or ◀ buttons to select the desired setting.	
5. Press the OK button to confirm your choice of setting.	
6. Repeat steps 3-5 if you wish to select any of the other items.	
7. Press the MENU button to remove the menu from the TV screen.	
Item	Effect/Operation
Sleep Timer	<div>You can select a time after which the TV switches itself into standby mode.</div> <div>▼ Off</div> <div>▲ 90 min</div>
Parental Lock	<div>▼ Off: Normal</div> <div>▲ On: Press the buttons on the remote control to switch the TV out of standby mode. The buttons on the TV do not work.</div>
AV2 Output	<div>▼ TV audio/video signal from the aerial</div> <div>▲ AV1 audio/video signal from scart 1</div> <div>▲ AV2 audio/video signal from scart 2</div> <div>▲ AV3 audio/video signal from scart 3</div> <div>▲ AV4 audio/video signal from connectors on front of TV</div>

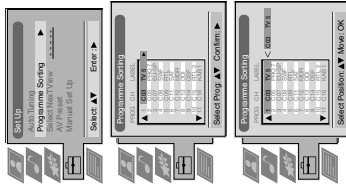


Using the TV menu system:

Re-arranging the TV channels

1 After tuning the TV, you can use this feature to change the order of the channels on the TV.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the $\boxed{\text{SET UP}}$ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Programme Sorting' then press \blacktriangleright to enter the 'Programme Sorting' menu.
4. Press the \blacktriangle or \blacktriangledown buttons to select the channel you want to move then press \blacktriangleright to confirm.
5. Press the \blacktriangle or \blacktriangledown buttons to select the new programme position (eg PROG 4) for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly.
6. Repeat steps 4 and 5 if you wish to sort the other channels.
7. Press the MENU button to remove the menu from the TV screen.



Manually tuning the TV

1 You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.

1. Press the MENU button on the remote control to display the menu on the TV screen.

2. Press the \blacktriangledown button to select the $\boxed{\text{SET UP}}$ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' on the menu screen then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' on the menu screen then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select a programme number for your channel (eg PROGR 1 for BBC1) then press \blacktriangleright to highlight the 'SKIP' column.

6. Press \blacktriangle to select 'OFF' then press \blacktriangleright to highlight the 'SYS' column.
7. Press the \blacktriangle or \blacktriangledown buttons to select the TV broadcast system (B/G for western european countries or D/K for eastern european countries) or 'EXT' for a video input source (AV1, AV2,...) then press \blacktriangleright to confirm.

8. Press the \blacktriangle or \blacktriangledown buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press \blacktriangleright to confirm.

9. Select the first number digit of 'CH' (channel) then the second number digit of 'CH' with the number buttons on the remote control or Press the \blacktriangledown button to search for the next available channel.

10. If you do not wish to store this channel on the programme number you selected, press the \blacktriangle or \blacktriangledown buttons to continue searching for the desired channel.

11. If this is the channel you wish to store, press the OK button.

12. Repeat steps 5-11 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.

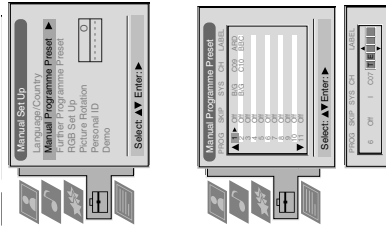
16

Using the TV menu system:

Naming a channel

1 Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the $\boxed{\text{SET UP}}$ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select the channel you wish to name.
6. Press the \blacktriangleright button repeatedly until the first element of the 'LABEL' column is highlighted.
7. Press the \blacktriangle or \blacktriangledown buttons to select a letter or number (select '-' for a blank) then press \blacktriangleright to confirm. Select the other four characters in the same way.
8. After selecting all the characters, press the OK button.
9. Repeat steps 5 to 8 if you wish to label other channels.
10. Press the MENU button to remove the menu from the TV screen.

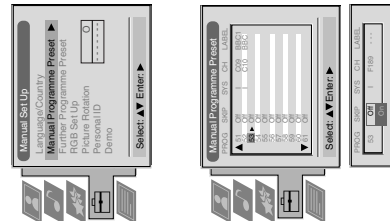


12

Skipping programme positions

1 This function enables you to skip unused programme positions when selecting them with the PROG +/- buttons. However, by using the number buttons you can still select the skipped programme position.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the $\boxed{\text{SET UP}}$ symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu.
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Manual Programme Preset' then press \blacktriangleright to enter the 'Manual Programme Preset' menu.
5. Press the \blacktriangle or \blacktriangledown buttons to select the programme position then press \blacktriangleright to highlight the 'SKIP' column.
6. Press the \blacktriangle or \blacktriangledown buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
7. Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
8. Press the MENU button to remove the menu from the TV screen.



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Using the TV menu system:

Using the Further Programme Preset feature

i With this feature you can a) adjust the attenuation of each channel, b) individually adjust the volume level of each channel, c) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or d) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the \mathbb{E} symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Further Programme Preset' then press \blacktriangleright to enter the 'Further Programme Preset' menu.

5. Press the \blacktriangle or \blacktriangledown buttons to select the relevant programme number then press the \blacktriangleright button repeatedly to select a) ATT b) VOL c) AFT or d) DECODER. The selected item changes colour.

6. a)ATT - RF Attenuator

Press the \blacktriangle or \blacktriangledown buttons to switch attenuator 'on' or 'off'. Press the OK button to confirm the selection. Repeat steps 5 and 6a if you wish to adjust the attenuation of the other channels.

b)VOL - Volume Offset

Press the \blacktriangle or \blacktriangledown buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6b if you wish to adjust the volume level of the other channels.

c) AFT - Automatic Fine Tuning

Press the \blacktriangle or \blacktriangledown buttons to fine tune the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6c if you wish to fine tune other channels.

d)DECODER

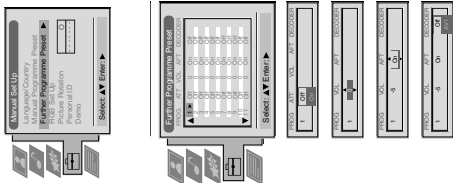
Press the \blacktriangle or \blacktriangledown buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6d to preset the AV output for other programme positions.

7. Press the MENU button to remove the menu from the TV screen.

Selecting the 'Demo' feature

i This function provides an overview of some of the features available on the TV.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the \mathbb{E} symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Demo' then press \blacktriangleright to start the demonstration (which lasts for approximately 5 minutes).
5. Press the \square button to remove the demonstration from the TV screen.

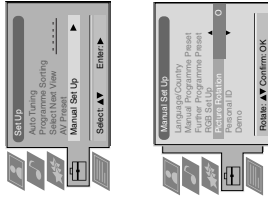


Using the TV menu system:

Adjusting the picture rotation

i Because of the earth's magnetism the picture might slant. In this case you can readjust the picture.

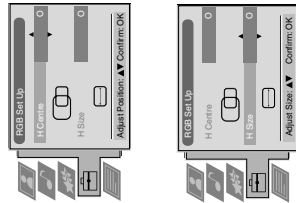
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the \blacktriangledown button to select the \mathbb{E} symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu
3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
4. Press the \blacktriangledown button to select 'Picture Rotation' then press \blacktriangleright to enter the 'Picture Rotation' sub menu.
5. Press the \blacktriangle or \blacktriangledown buttons to rotate the picture over a range of -5 to +5 then press the OK button to store.
6. Press the MENU button to remove the menu from the TV screen.



Adjusting the picture geometry for an RGB source

i When connecting an RGB source such as a Sony Playstation you may need to readjust the geometry of the picture.

1. Press the \square button on the remote control to select the connected RGB source \mathbb{E} 1.
2. Press the MENU button to display the menu on the TV screen.
3. Press the \blacktriangledown button to select the \mathbb{E} symbol on the menu screen then press \blacktriangleright to enter the 'Set Up' menu
4. Press the \blacktriangledown button to select 'Manual Set Up' on the menu screen then press \blacktriangleright to enter the 'Manual Set Up' menu
5. Press the \blacktriangledown button to select 'RGB Set Up' on the menu screen then press \blacktriangleright to enter the 'RGB Set Up' sub menu.
6. Press \blacktriangleright to select H Centre then press \blacktriangle or \blacktriangledown to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.
7. Press \blacktriangleright to select H Size then press \blacktriangle or \blacktriangledown to adjust the horizontal coordinates over a range of -10 to +10. Store the new range by pressing the OK button.
8. Press the MENU button to remove the menu from the TV screen.



Specifications

TV system
B/G/H, D/K

Colour system
PAL, SECAM
NTSC 3.58, 4.43 (only Video In)

Channel coverage
See the 'Channel Display Table' below.

Picture tube
FD Trinitron. Approx. 72cm (29 inches), 104° deflection.

Rear Terminals
Ⓔ1 / Ⓔ1 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
Ⓔ2 / Ⓔ2 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Monitor audio/video output.
Ⓔ3 / Ⓔ3 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Monitor audio/video output.
Ⓔ4 / Ⓔ4 1G/SD RCA connectors, variable output for audio signals

1f RF In

Front Terminals
Ⓔ4 Video input - phono jacks
Ⓔ4 Audio inputs - phono jacks
Ⓔ4 S video input - 4 pin DIN
Ⓔ4 Headphones jack - minijack stereo

Sound output
Left/Right: 2x20W (Music Power)
2x10W (RMS)
Sub woofer: 30W (Music Power)
15W (RMS)

Power consumption
158W

Dimensions (vxhxd)
Approx. 765x635x570mm

Weight
Approx. 59kg

Accessories supplied
RM-893 remote control (1)
IEC designated size AA batteries (2)

Other features
Flat display Trinitron tube, noise reduction, DRC 50Hz picture, DRC 100Hz picture, PAP, PAT, M-PIP, graphic equaliser, 2000 page TEXT memory, personal ID, sleep timer, NexTView, Digital Comb Filter, second tuner.

Design and specifications are subject to change without notice.

Channel Display Table

	Receivable Channels	Channel Displays
B/G/H	E2..12, 21..69	C02..C12, C21..69
CABLE TV (1)	S1..S41	S01..S41
CABLE TV (2)	S01..S05	S42..S46
	M1..M10	S01..S10
	U1..U10	S11..S20
ITALIA	A..H, H1, H2	C13..C20
D/K	R01..R12, R21..R69	C01..C12, C21..C69
	S01..S05	S42..S46

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested remedy
No picture (screen is dark), no sound	<ul style="list-style-type: none">• Plug the TV in.• Press the Ⓔ button on the front of the TV.• If the Ⓔ indicator is on press the 1/Ⓔ button or a numbered button on the remote control.• Check the aerial connection.• Turn the TV off for 3 or 4 seconds and then turn it on again using the Ⓔ button on the front of the TV.
Poor or no picture (screen is dark), but good sound.	<ul style="list-style-type: none">• Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels.• From the Picture Adjustment display select RESET to return to the factory settings.
Good picture, no sound	<ul style="list-style-type: none">• Press the Ⓔ button on the remote control.• If Ⓔ is displayed on the screen, press the Ⓔ button on the remote control.
No colour on colour programmes	<ul style="list-style-type: none">• Using the MENU system, select the Picture Adjustment display and adjust the colour setting.• From the Picture Adjustment display select RESET to return to the factory settings.
Distorted picture when changing programmes or selecting Teletext	<ul style="list-style-type: none">• Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function	<ul style="list-style-type: none">• Replace the batteries.
The standby indicator Ⓔ on the TV flashes	<ul style="list-style-type: none">• Contact your nearest Sony service centre.
Interference on picture from external equipment	<ul style="list-style-type: none">• Reduce sharpness level.

• If you continue to have these problems, have your TV serviced by qualified personnel.
• NEVER open the casing yourself.

SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



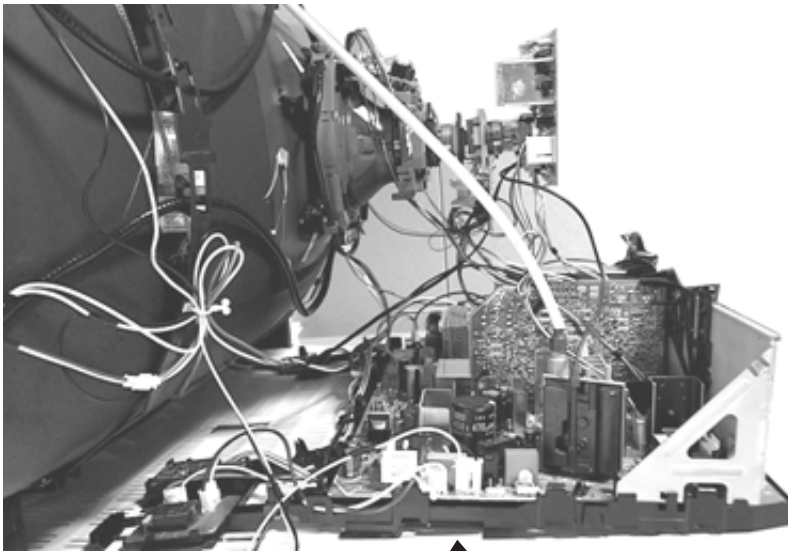
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

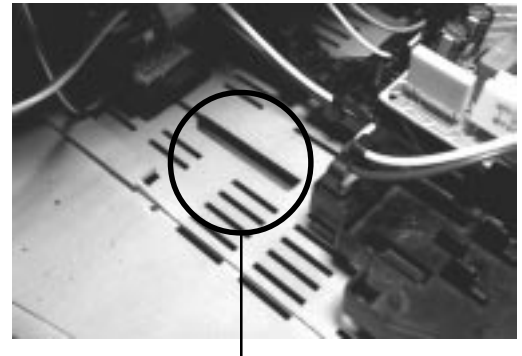


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

2-3. Chassis Removal and Refitting

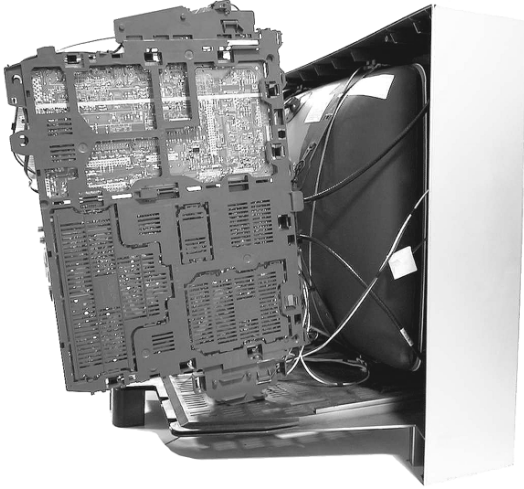


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



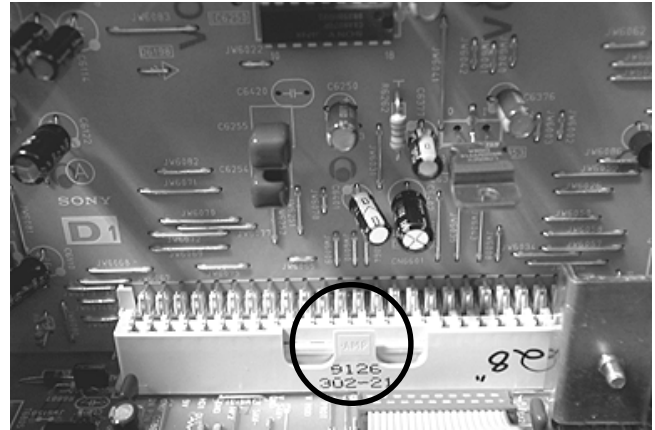
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



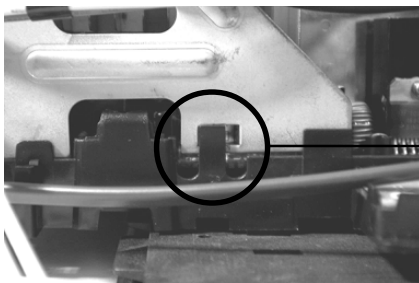
Position the PWB as indicated to access the solder side. To gain access to the D Board follow the instructions on page 19. [Removal and Replacement of the main bracket bottom plates].

2-5. D1 Board Removal



To remove the D1 Board release the clip circled and gently remove the board in a vertical direction.

2-6. J Board Removal



Clip

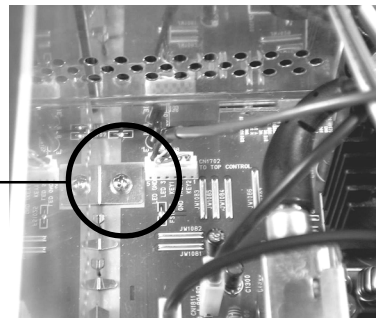
Release the two metal bracket support clips located on either side of the chassis. Tilt the bracket very slightly away from the shield case indicated. Release the J board board socket retaining clip and carefully lift the complete assembly vertically.



Shield case

2-7. B3 Board Removal

Follow the steps indicated in removal of the J board. With the assembly removed access to the B3 board shield is possible. To remove the shield locate and remove the two screws positioned on either side and at opposite ends of the shield. Release the B3 board clip and remove in a vertical direction. Please ensure that the screws are refitted after service.



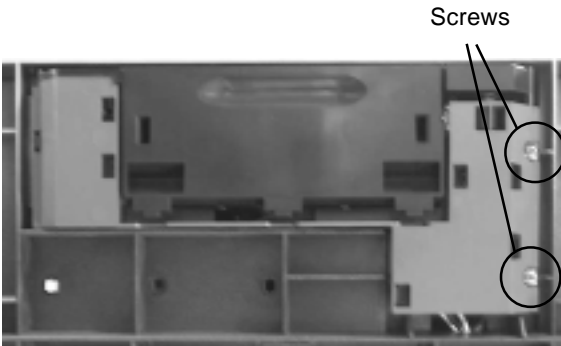
Screw

Note :

Removal of the B3, E, and M1 printed circuit boards follows the same procedure of releasing the securing clips as indicated in the fig for D1 board removal. Take care not to apply too great a pressure to the clips as this may cause damage.

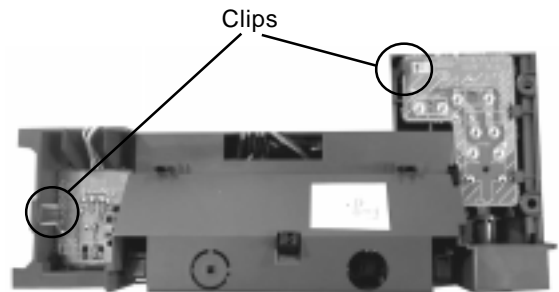
2-8. Front Control Module Removal

Remove the two screws fixing the user control module to the front underside of the set. The control module drops down to allow access to the boards.



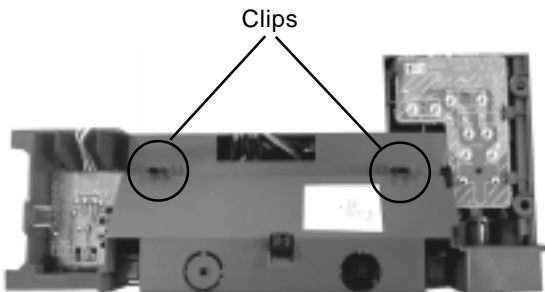
2-9. F3 and H6 Board Removal

To remove the F3 and H6 Boards release the clips circled and ease the boards gently away from the main support bracket.



2-10. H5 Board Removal

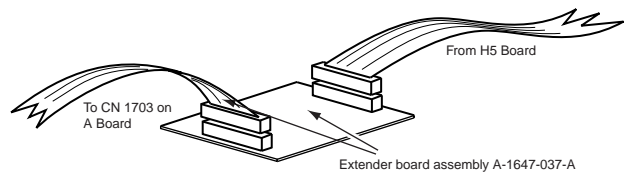
To remove the H5 Board, first remove the control door from bracket by releasing the clips circled and pushing them through the main support bracket.



Removal of H5 Board follows the same procedure as removal of the F3 and H6 Boards.

2-11. Service Connector for H5 Board

If there is a requirement to use the front video and audio sockets when the chassis is placed in its service position, it would be necessary to use an extender board and extension cable as indicated below.

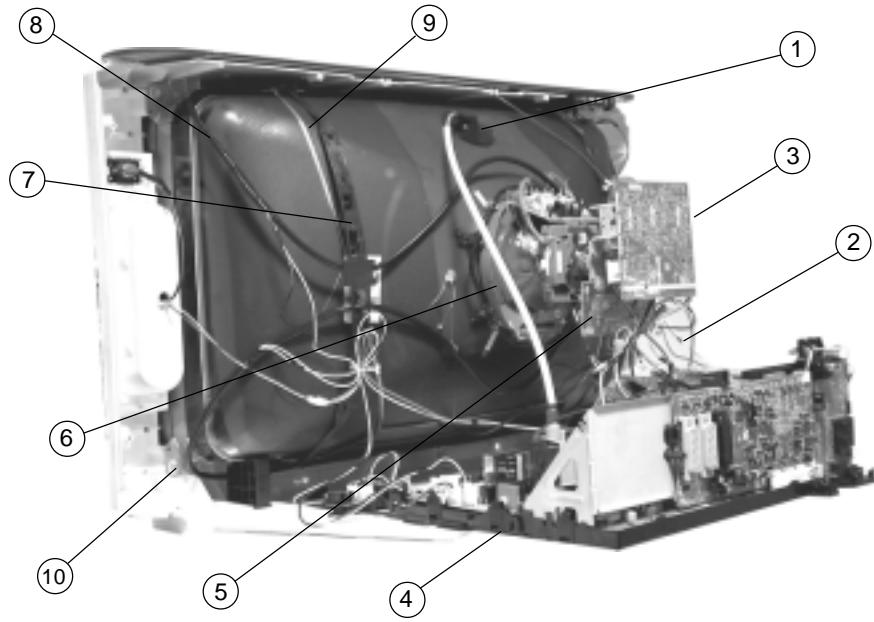
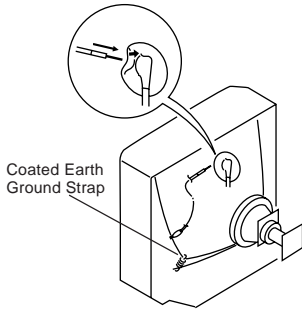


The Extender board and extension cable are available as a service part by ordering the part number as indicated.

2-12. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

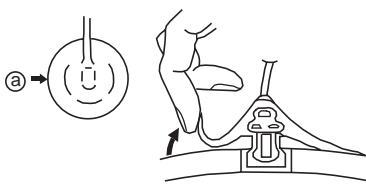
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT **before** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



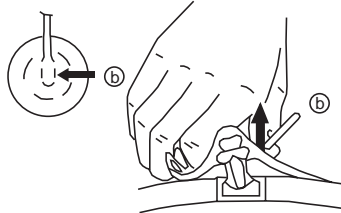
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen the Deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
8. Remove the Degaussing Coils.
9. Remove the CRT grounding strap and spring tentioners.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
[Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

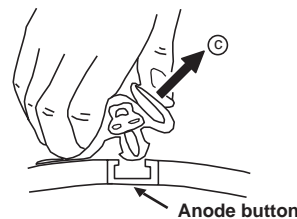
* REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a)



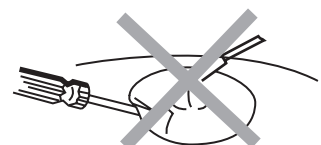
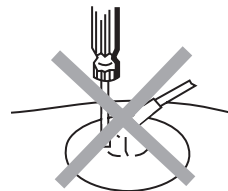
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

How to handle the Anode-Cap

1. To prevent damaging the surface of the anode-cap do not use sharp materials.
2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.



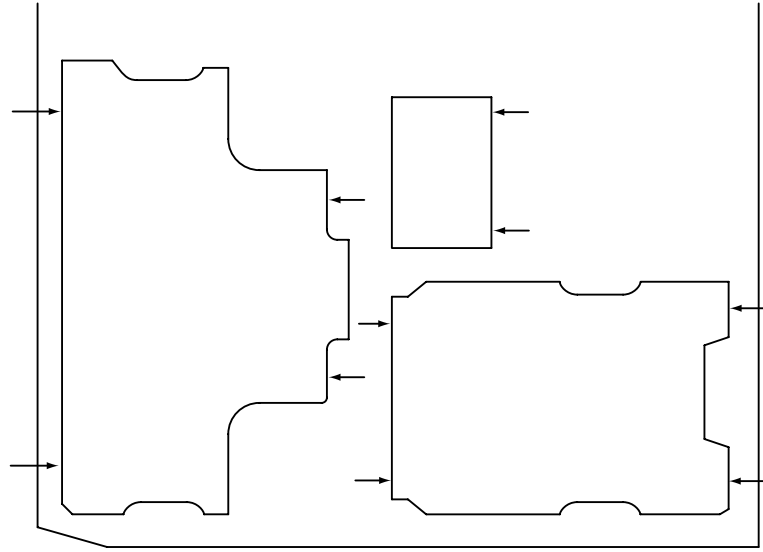
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note : There are 3 plates fitted to the main bracket and secured by 3 gates.

Only remove the necessary plate to gain access to the printed wiring board.

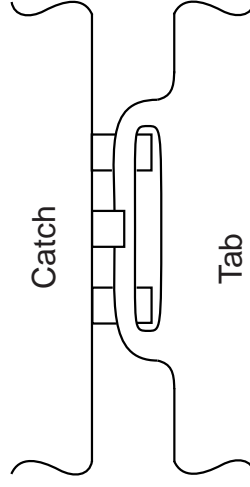


⚠ For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings :

Contrast normal

Brightness normal

Carry out the adjustments in the following order :

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note : Test equipment required.

1. Color bar/pattern generator.
2. Degausser.
3. Oscilloscope.
4. Digital multimeter.

3-1. Beam Landing

Preparation :

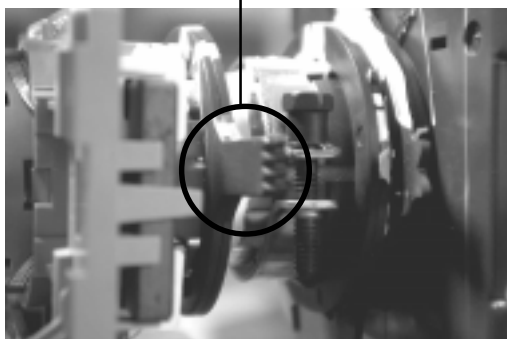
1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig.3-2.
4. Loosen the deflection yoke fixing screw.
5. Move the deflection yoke as far forward as is possible.
6. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet



Caution :

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note : Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

1. Input a crosshatch signal from the signal generator.
2. Rough-adjust the focus and horizontal convergence.
3. Switch from the crosshatch pattern to an all-red pattern.
4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
7. Position the deflection yoke between the two marks indicated above.
8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
9. When the position of the deflection yoke has been determined, fasten it with its fixing screw.
10. Switch the pattern generator to green then blue and confirm the purity.
11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

Fig.3-2

Neck assy

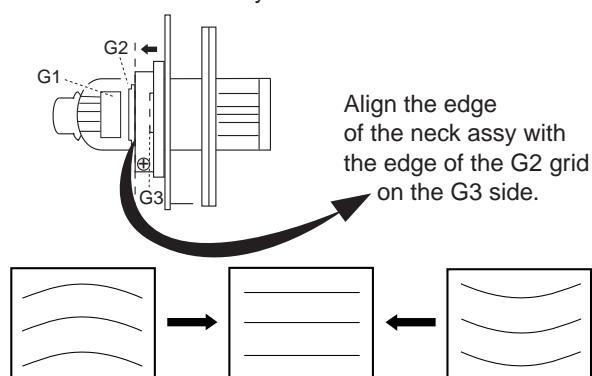


Fig.3-3

Fig.3-4

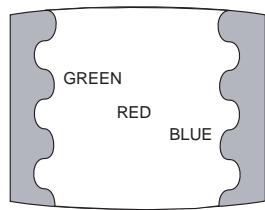
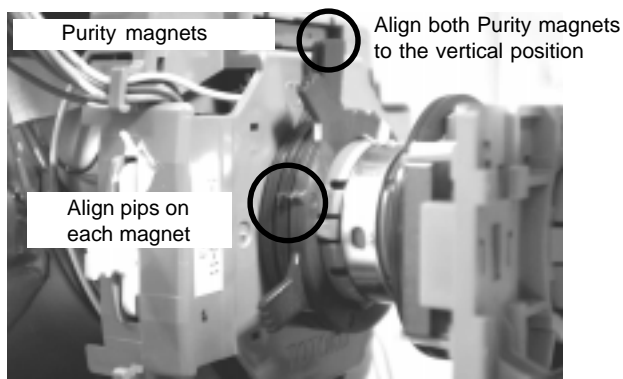
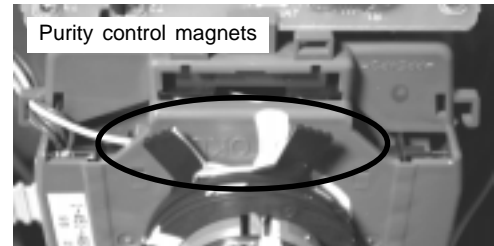
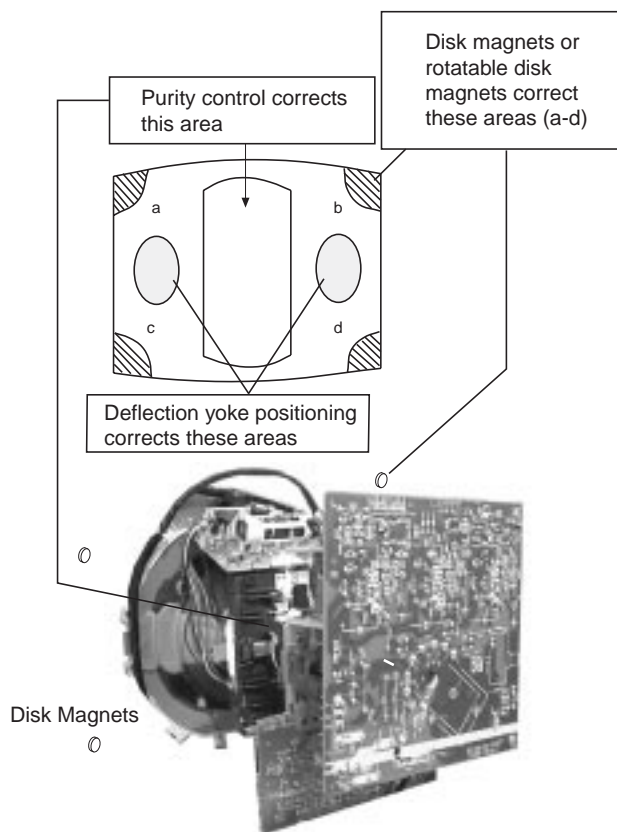


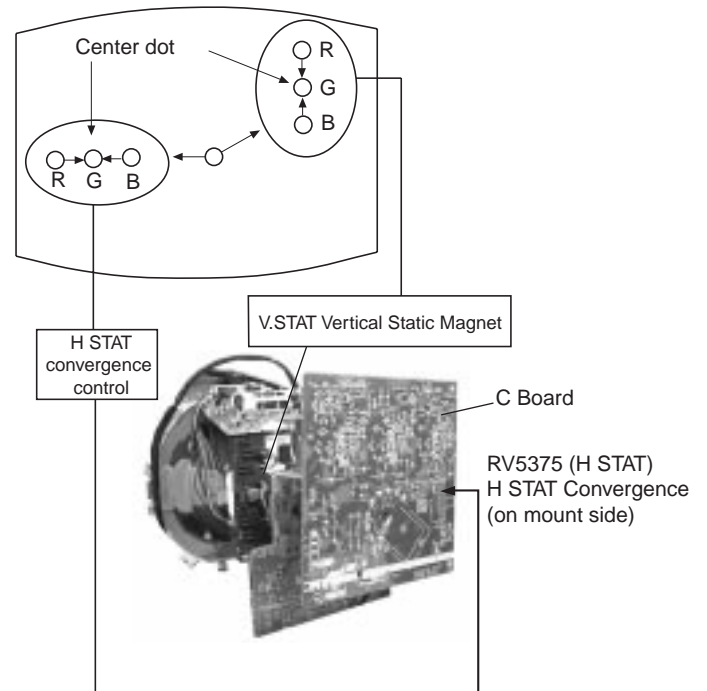
Fig.3-5



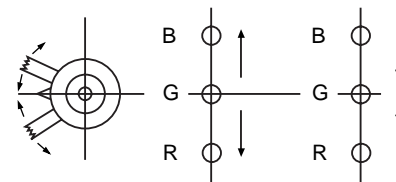
3-2. Convergence

(1) Screen centre convergence [Static convergence]

1. Input a dot pattern signal from the pattern generator.
2. Normalize the picture setting.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



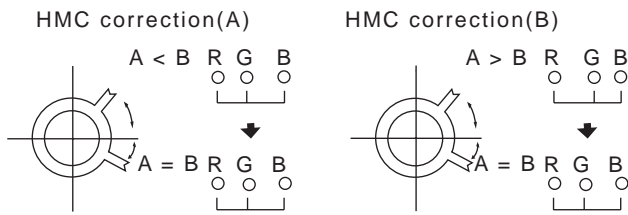
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



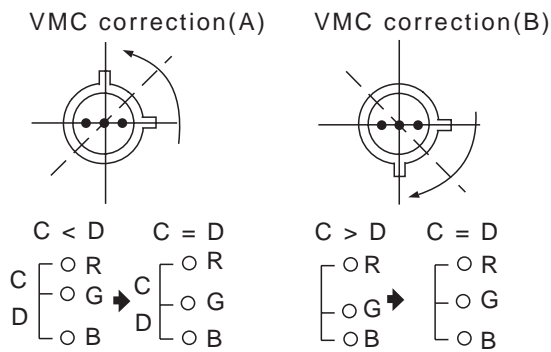
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.

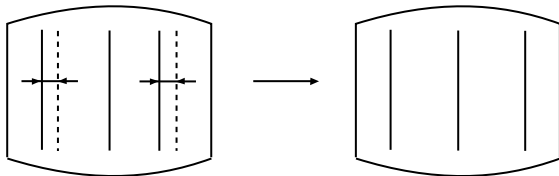
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



- b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

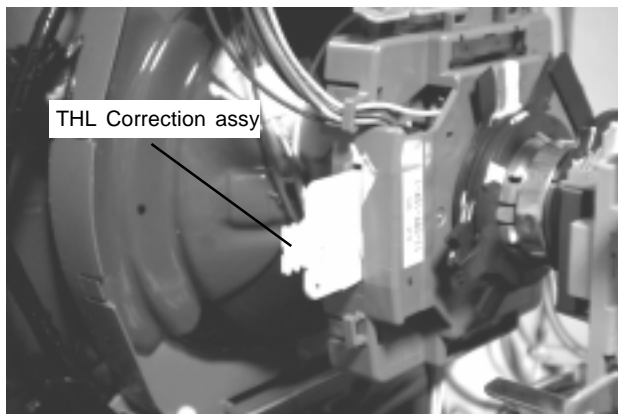


HAMP Adjustment

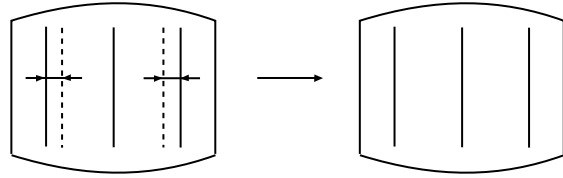


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

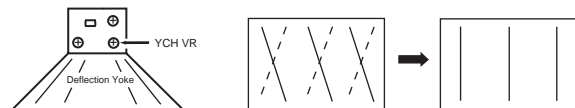
HTIL Adjustment



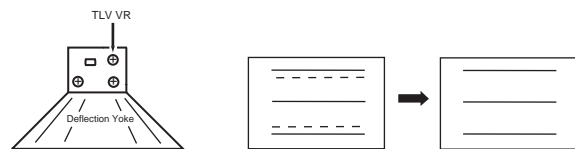
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



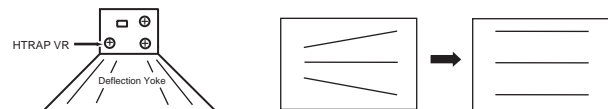
YCH Adjustment



TLV Adjustment

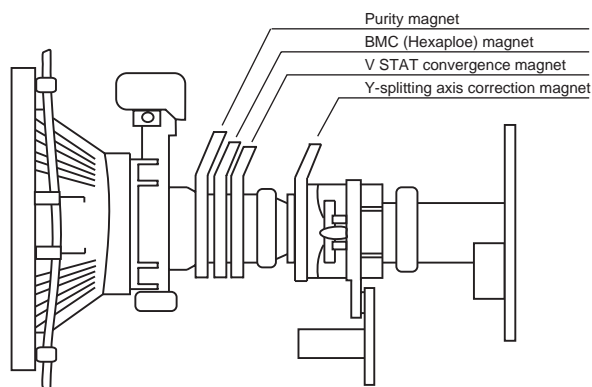


H-TRAP Adjustment

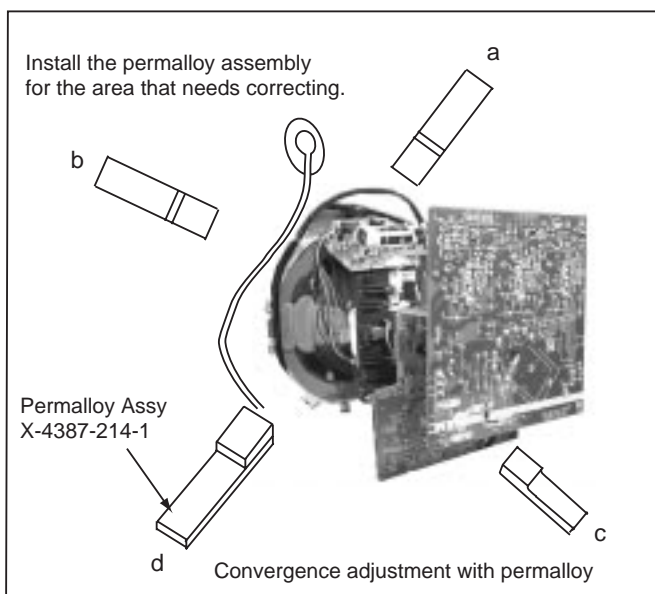
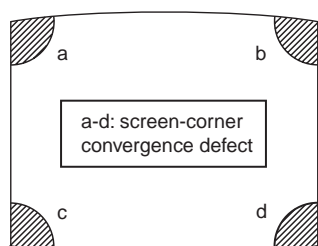


The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control

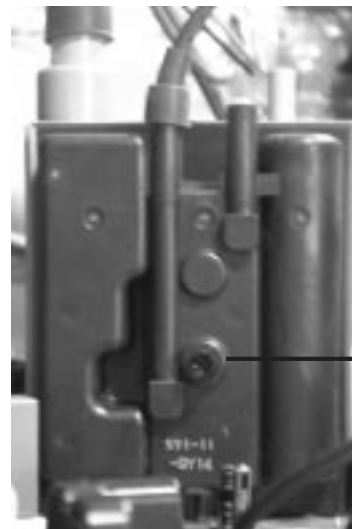


Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.



3-3. Focus Adjustment

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
Bring only the centre area of the screen into focus, the magenta-tinge appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment [RV5376]

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

1. Input an all-white signal from the pattern generator.
2. Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
3. Select 'Backend' from the on screen menu display and press 'OK'.
4. The 'Backend' menu will appear on the screen.[See Page 26]
5. Set the 'Contrast' to MAX.
6. Set the 'R-Drive' to 41.
7. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
8. Press the 'OK' button to write the data for each item.
9. Set the 'Contrast' to MIN.
10. Set the 'R-Cutoff' to 31.
11. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
12. Press the 'OK' button to write the data for each item.

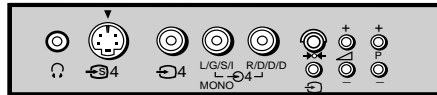
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

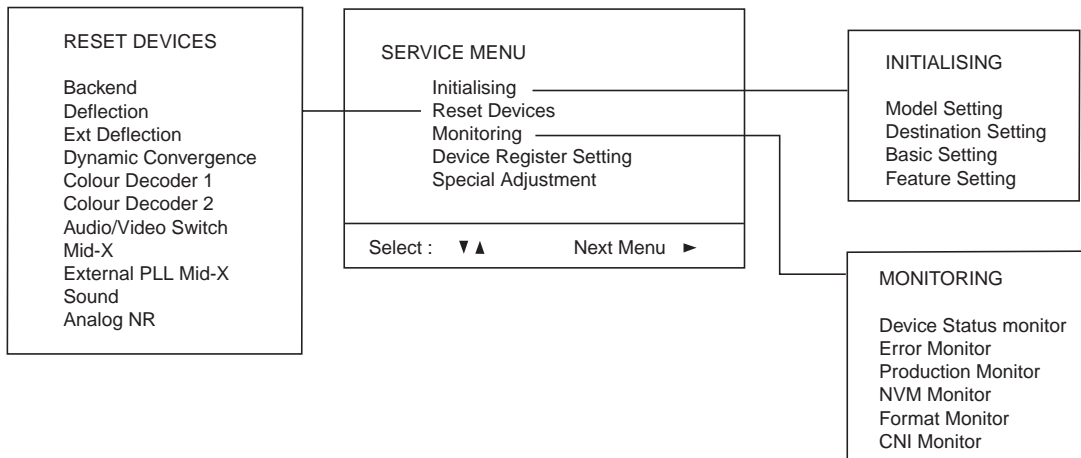
Service adjustments to this model can be performed using the supplied Remote Commander RM-893.

How to enter into the Service Mode

1. Turn on the main power switch of the set while pressing P + (plus) and P - (minus) buttons on the front drop down control panel.



2. 'TT' will appear in the upper right corner of the screen.
3. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



4. Push the joystick up or down on the remote commander to select the adjustment item.
5. Push the right button to proceed to the next menu.
6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
7. Push the joystick to the right to enter into 'Deflection'.
8. Change the data in order to comply with each standard.

Note :

- Before performing any adjustments ensure that the correct model has been selected in the 'Model Setting' menu.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Initialising Menu

Initialising
Model Setting
Destination Setting
Basic Setting
Feature Setting
Select : Next menu:

Model Setting

The menu contains a list with all the available models of this software to set up the TV set in an easy way. The selection of a model is setting data for its features and hardware resources which cannot be detected by the automatic power on H/W detection as well as a special *model byte* to get an unique model identification for models which cannot be differed by features and hardware resources (e.g. KV-28FC60 and KV-28FC60Z)

Before data is set, the user will be asked if he really wants to set a new model. If the user agrees, automatically the destination setting menu is shown.

Model Setting		
1	KV-28FC60	Reset
2	KV-28FC60Z	
3	KV-29FC60	
4	KV-32FC60	
5	KV-32FC60Z	
6	KV-34FC60	
7	KV-28FQ75	
8	KV-29FQ75	
9	KV-32FQ75	
10	KV-34FQ75	
11	KV-28FS70	
12	KV-32FS70	
13	KV-36FS70	
BLACK = No Conformity		
GREEN = Compatible Model		
RED = Conformity for all data		

Table.4-1

Indication of Model Compatibility.

Black:

If any data does not match to specific model, the model name is displayed in black.

Green:

All data which is checked by model setting menu concurs to model except model byte.

Red:

All data which is checked by model setting menu concurs to model including model byte.

Note:

After selecting a model, it may be necessary to reset some devices to get the correct data. (Treble/Bass Offset of Sound, deflection adjustments, ...)

Basic Setting

Basic setting				
No	Descr	Min	Max	Data
1	Sys.B/G	OFF	ON	ON
2	Sys.D/K	OFF	ON	ON
3	Sys.L	OFF	ON	OFF
4	Sys.I (UK)	OFF	ON	OFF
5	Sys.I (IRL)	OFF	ON	ON
6	TXTNat.option	1	4	3
7	16:9 CRT	OFF	ON	OFF
8	Sub-woofer	OFF	ON	ON
9	Auto stand-by	OFF	ON	ON
10	Comb-filter	OFF	ON	ON
11	Auto YC det	OFF	ON	ON
12	Auto comb det	OFF	ON	ON
13	AV2 Available	OFF	ON	ON
14	AV3 Available	OFF	ON	ON
15	AV4 Available	OFF	ON	ON
16	AV3 Fr & rear	OFF	ON	OFF
17	SECAM Tape	OFF	ON	OFF
18	AV1 Sound Mute	OFF	ON	OFF

Table.4-2

Feature Setting

Feature setting				
No	Descr	Min	Max	Data
1	PAP	OFF	ON	ON
2	PAT	OFF	ON	ON
3	INDEX	OFF	ON	ON
4	EPG	OFF	ON	ON
5	FULL EPG	OFF	ON	ON

Table.4-3

Device Register Setting

Backend
Deflection
Ext Deflection
Dynamic Convergence
Colour Decoder 1
Colour Decoder 2
Audio / Video Switch
Mid - X
External PLL Mid - X
Sound
Analog NR

Table.4-4

Audio / Video Switch					
No	Descr	Def	Min	Max	Data
1	CVOUT1	0	0	9	0
2	CVOUT2	2	0	9	2
3	GD1 SW	OFF	OFF	ON	ON
4	GD2 SW	OFF	OFF	ON	ON
5	YCOUT 1	0	0	7	0
6	YCOUT 2	1	0	7	1
7	LO0CTRL	OFF	OFF	ON	OFF
8	LO1CTRL	OFF	OFF	ON	OFF
9	AOUT 1	3	0	7	3
10	AOUT 2	3	0	7	3
11	AOUT 3MUTE	OFF	OFF	ON	OFF
12	ZCD SW	ON	OFF	ON	ON
13	AOUT 3	3	0	7	3
14	GROUP DEL	15	0	31	15
15	AOUT3 L/R	0	0	3	0
16	AOUT3VOLF	0	0	7	0
17	AOUT3VOLC	3	0	7	3
18	SYNC1	1	0	1	1
19	SYNC2	1	0	1	1

Table.4-5

Special Adjustment				
No	Descr	Min	Max	Data
1	RGB level	0	7	0
2	RGB Gain	0	31	8
3	RGB PatLevel	0	7	0
4	RGB Patgain	0	31	15
5	RGB H-Position	-10	+10	0
6	Extra Fw	0	255	255
7	EPG Chks Check	OFF	ON	ON
8	Slicer High	OFF	ON	ON
9	FCW Wide	OFF	ON	ON
10	Mpeg NR	OFF	ON	OFF
11	Notch Filter	OFF	ON	OFF
12	NLD Step	-7	0	-1
13	PKD Step	-15	0	-5
14	CRD Step	0	15	7
15	SHP Step	-10	0	-3
16	COL Step	-10	0	-1
17	SHP gain Step	-5	0	0
18	VM level Step	-3	0	0
19	NTSC Auto YC AV2	OFF	ON	OFF
20	NTSC Auto YC AV3	OFF	ON	OFF
21	Intern GD	OFF	ON	ON

Table.4-6

Backend					
No	Descr	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	OFF
5	Color-axis	2	0	3	2
6	Contrast	40	0	63	40
7	Limit-Luv	3	0	3	3
8	Hue	31	0	63	31
9	Colour	31	0	63	28
10	CTI-Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	2	0	3	2
13	Sharpness	30	0	63	28
14	R-Drive	41	0	63	41
15	G-Drive	41	0	63	37
16	B-Drive	41	0	63	26
17	ABL-Mode	0	0	3	2
18	Sub Bright	31	0	63	13
19	VM-Level	2	0	3	1
20	R-Cutoff	31	0	63	31
21	Preover	2	0	3	2
22	G-Cutoff	31	0	63	41
23	DPIC-Level	1	0	3	2
24	B-Cutoff	31	0	63	47
25	DC-Tran	0	0	3	1
26	Sub-Cont	7	0	15	7
27	LRGB2-Lvl	8	0	15	8
28	P-Abl	15	0	15	15
29	Sharp.Fo	ON	OFF	ON	ON
30	Aging-W	OFF	OFF	ON	OFF
31	Aging-B	OFF	OFF	ON	OFF
32	CB-offset1	11	0	15	11
33	CR-offset1	11	0	15	11
34	CB-offset2	7	0	15	7
35	CR-offset2	7	0	15	7
36	Sub Color	0	-8	8	0

Table.4-7

Colour Decoder 1					
No	Descr	Def	Min	Max	Data
1	Tint	31	0	63	31
2	P/N Gw	OFF	OFF	ON	OFF
3	P/N ID	OFF	OFF	ON	OFF
4	Sub Colour	7	0	15	7
5	Sub Contr	8	0	15	8
6	Sharp FO	1	0	3	1
7	Sharp EQ	2	0	3	2
8	Sharp Gain	8	0	15	8
9	Y-Out Lev	35	0	63	35
10	BS Point	0	0	3	0
11	C-Out Lev	45	0	63	45
12	DC Rest	0	0	3	0
13	BPF FO	2	0	3	2
14	BPF Q	1	0	3	1
15	Filter Sw	OFF	OFF	ON	OFF

Table.4-8

Colour Decoder 1 (cont)					
No	Descr	Def	Min	Max	Data
16	C-Trap Sw	0	0	1	0
17	S-D Trap	ON	OFF	ON	ON
18	LPF	ON	OFF	ON	ON
19	Y-DL	8	0	10	8
20	N-Comb	ON	OFF	ON	ON
21	Video Sel	0	0	15	0
22	RGB Sel	0	0	3	0
23	Halftone	OFF	OFF	ON	OFF
24	CrOFF.1	7	0	15	7
25	CbOFF.1	7	0	15	7
26	CrOFF.2	7	0	15	7
27	CbOFF.2	7	0	15	7
28	VCD Freq	3	0	7	3
29	VCD Mode	0	0	3	0
30	AFC SENS	1	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S-R-Y Adj	6	0	15	4
33	S-B-Y Adj	4	0	15	6
34	BELL/HPF	2	0	3	2
35	BELL FO	OFF	OFF	ON	OFF
36	S-GP	0	0	3	0
37	S ID	OFF	OFF	ON	OFF
38	RGB1 ENB	OFF	OFF	ON	OFF
39	HS-PH	1	0	1	0
40	Auto SW	1	0	1	1
41	VP_PH	0	0	1	0
42	S/N RATIO	3	0	3	3

Table.4-9

Dynamic Convergence					
No	Descr	Def	Min	Max	Data
1	Range	63	0	63	63
2	V Stat	36	0	63	17
3	H Stat	33	0	63	31
4	H amp L	37	0	63	33
5	H amp R	36	0	63	33
6	Up Y	31	0	63	31
7	Low Y	33	0	63	31
8	Y up L	30	0	63	45
9	Y up R	30	0	63	31
10	Y low L	31	0	63	31
11	Y low R	30	0	63	45
12	Mbow Up L	31	0	63	31
13	Mbow Up R	32	0	63	31
14	Mbow Low L	32	0	63	31
15	Mbow Low R	32	0	63	31
16	T Cor PCtrl	OFF	OFF	ON	OFF
17	Top Cor Pin	31	0	63	31
18	B Cor PCtrl	OFF	OFF	ON	OFF
19	Bot Cor Pin	43	0	63	31

Table.4-10

Sound					
No	Descr	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Carr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	I2S1-pr	16	0	127	16
12	I2S2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	I Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	SubW-vol	0	-127	0	-4
21	SubW-freq	20	5	40	20
22	SubW-HPass	OFF	OFF	ON	OFF
23	Spat-stre	+127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	+3	0
26	Treble offs	-2	-3	+3	-1
27	Loudn offs	0	0	9	0
28	Hp-Voloffs	-2	-5	+5	-2
29	M-S Limit	+30	-128	+127	30
30	M-B Limit	-30	-128	+127	-30
31	S-M Limit	+12	-128	+127	12
32	S-B Limit	-20	-128	+127	-20
33	B-M Limit	-12	-128	+127	-12
34	B-S Limit	+20	-128	+127	20
35	Err.Max	40	0	255	40
36	Err.Min	18	0	255	18
37	Vol.Offs	0	-6	0	-4

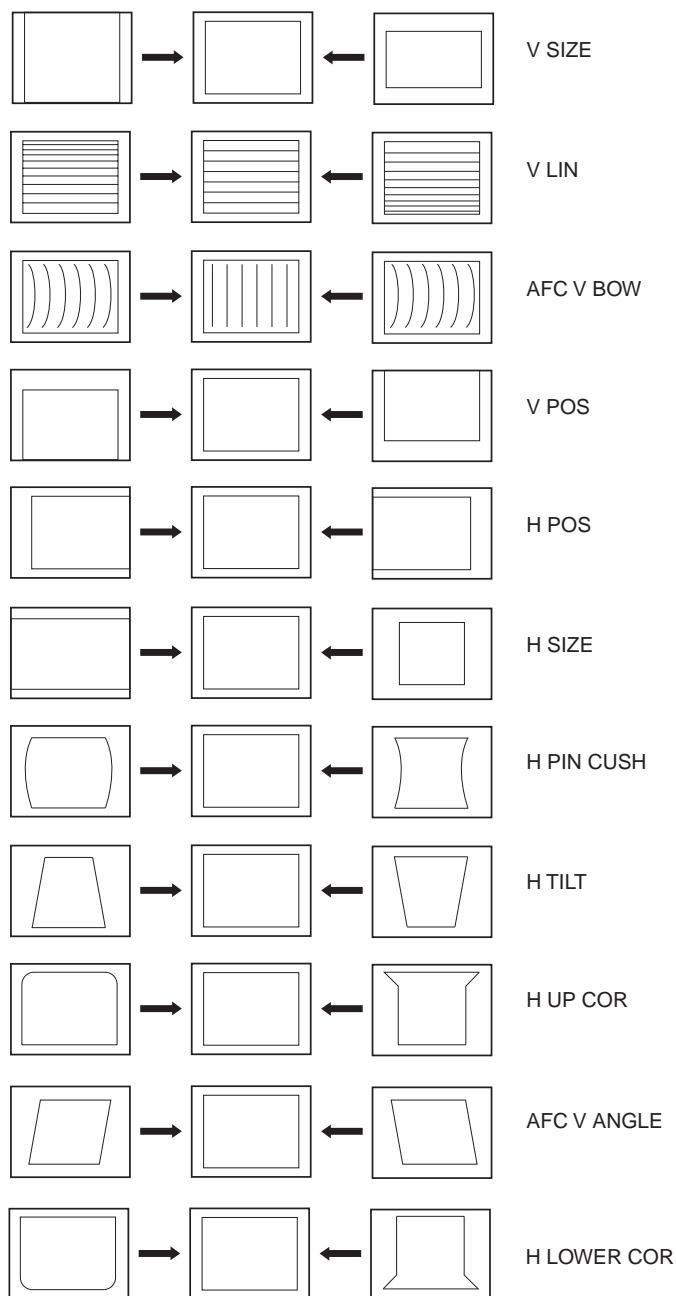
Table.4-11

Ext. Deflection					
No	Descr	Def	Min	Max	Data
1	Linearity	127	0	255	127
2	H Centre	31	0	63	31
3	H Trap	31	0	63	31
4	Rotation	0	0	255	0
5	FocusPhase	127	0	255	127

Table.4-12

Deflection					
No	Descr	Def	Min	Max	Data
1	V-Size	31	0	63	31
2	V-Position	31	0	63	30
3	V-Comp	1	0	3	1
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	7
6	H-Size	31	0	63	32
7	EW-DC	OFF	OFF	ON	OFF
8	Akb Tim2	OFF	OFF	ON	OFF
9	Pin-Amp	31	0	63	29
10	H-Comp	0	0	3	0
11	Up-Cpin	31	0	63	32
12	M-Pin	2	0	3	2
13	Lo-CPin	31	0	63	34
14	Trapezium	7	0	15	6
15	H-Position	31	0	63	31
16	VblKw	0	0	3	0
17	AFC-Bow	7	0	15	7
18	AFC-Angle	7	0	15	8
19	Left-Blk	38	0	63	38
20	Right-Blk	12	0	63	12
21	V-Freerun	0	0	3	0
22	V-Aspect	47	0	63	47
23	Zoom-Sw	OFF	OFF	ON	OFF
24	U-Scan	OFF	OFF	ON	OFF
25	V-Scroll	34	0	63	34
26	Akb-Tim	2	0	3	2
27	Up-Vlin	0	0	15	0
28	Lo-Vlin	0	0	15	0

Table.4-13



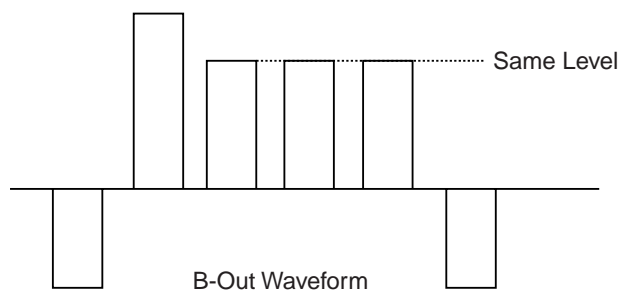
Deflection System Adjustment

1. Enter into the service mode and select 'Deflection' from the menu. The 'Deflection' adjustment menu will be displayed.
2. Select and adjust each item to obtain the optimum image.

4-2. Volume Electrical Adjustments

Sub Colour Adjustment

1. Input a PAL colour bar signal.
2. Connect an oscilloscope to CN5400 pin 5 located on the C Board.
3. Enter into the 'Service Mode'.
4. Choose 'Backend' from the menu.
5. Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.



4-3. TEST MODE 2:

Is available by pressing the 'TEST' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0, 10, 20 ... twice or switch the TV set into Stand-by mode. Pressing the two Local Control buttons (+ and -) during power ON will also switch into 'TT' mode.

In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen !!.

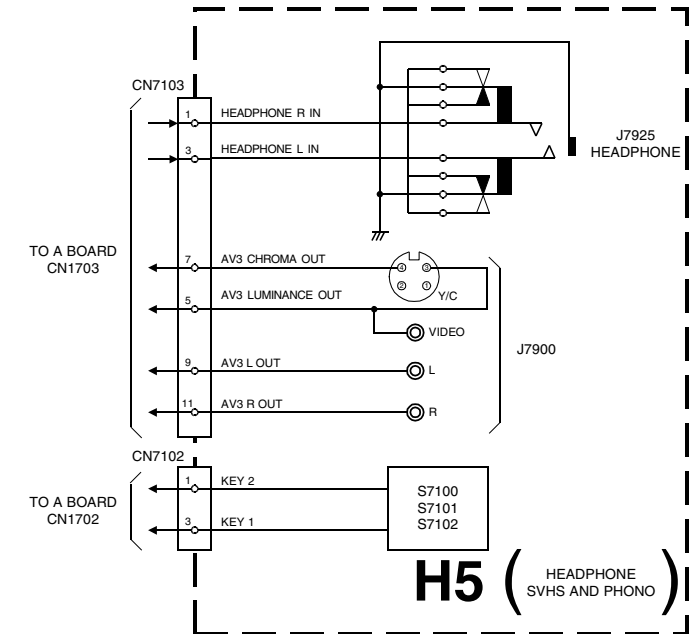
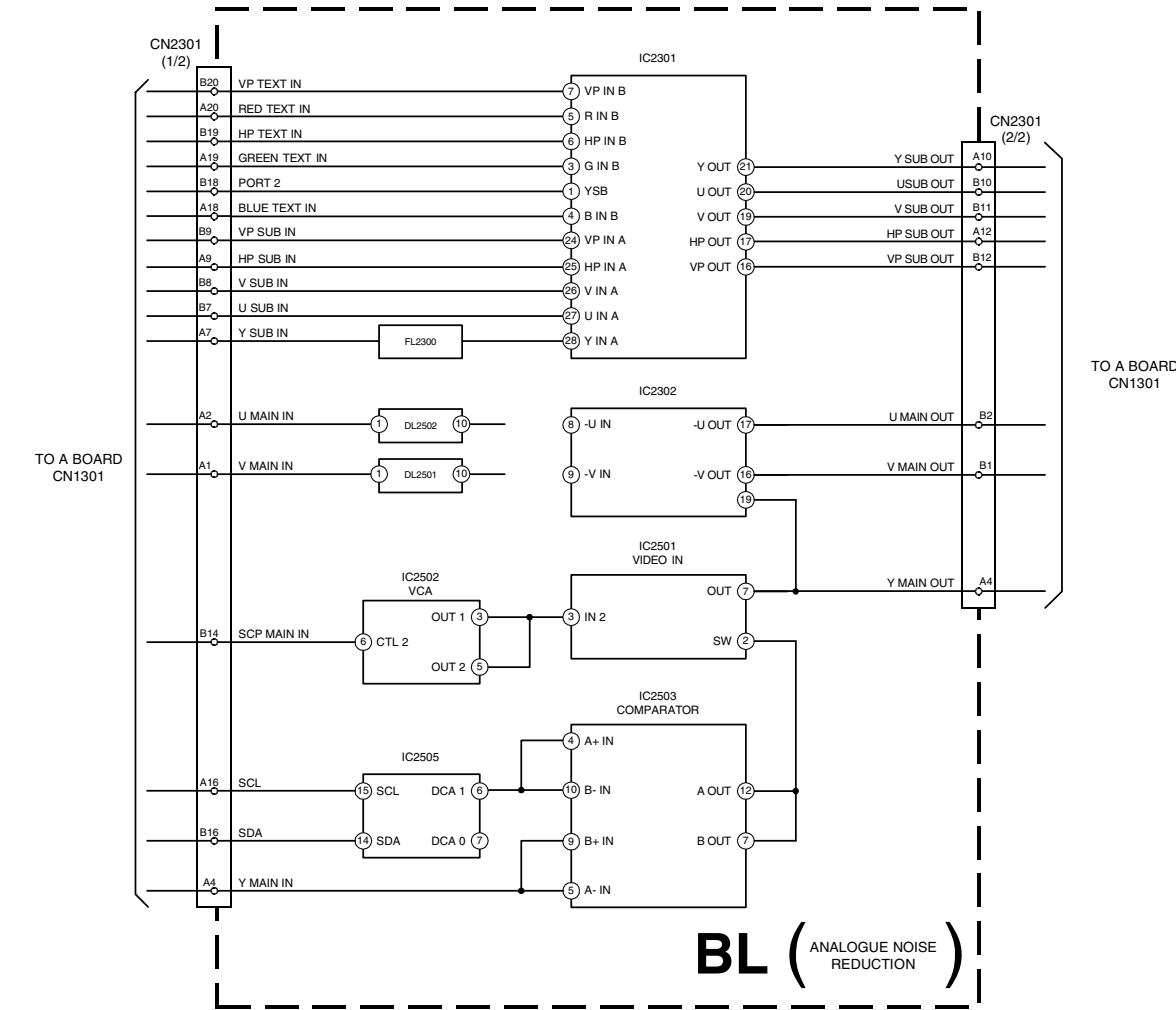
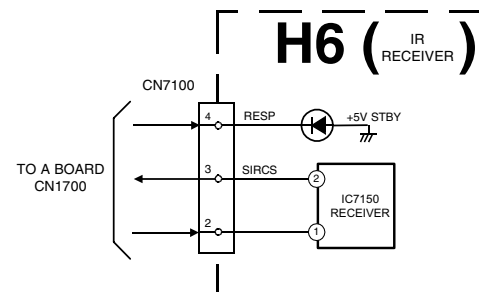
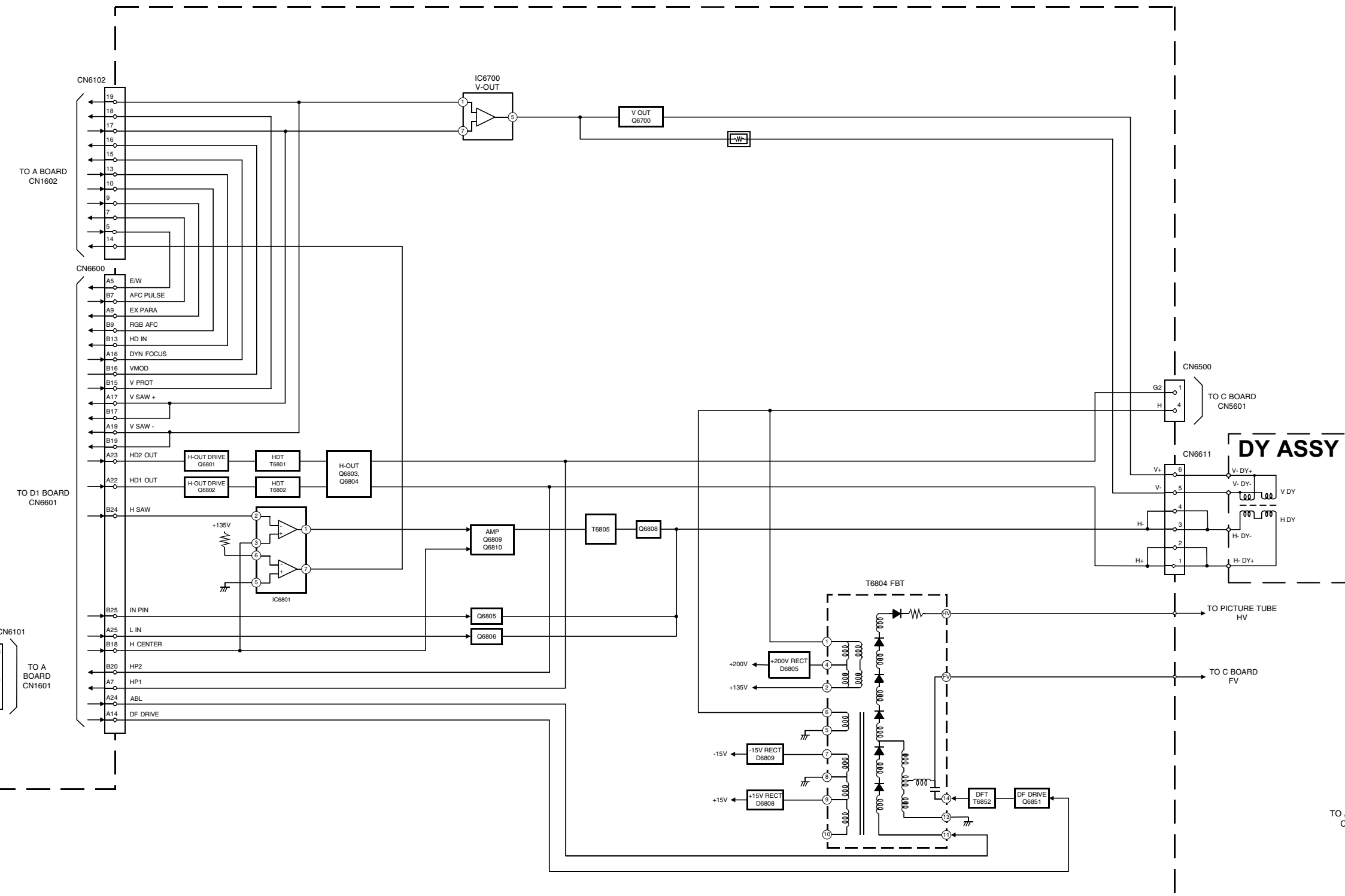
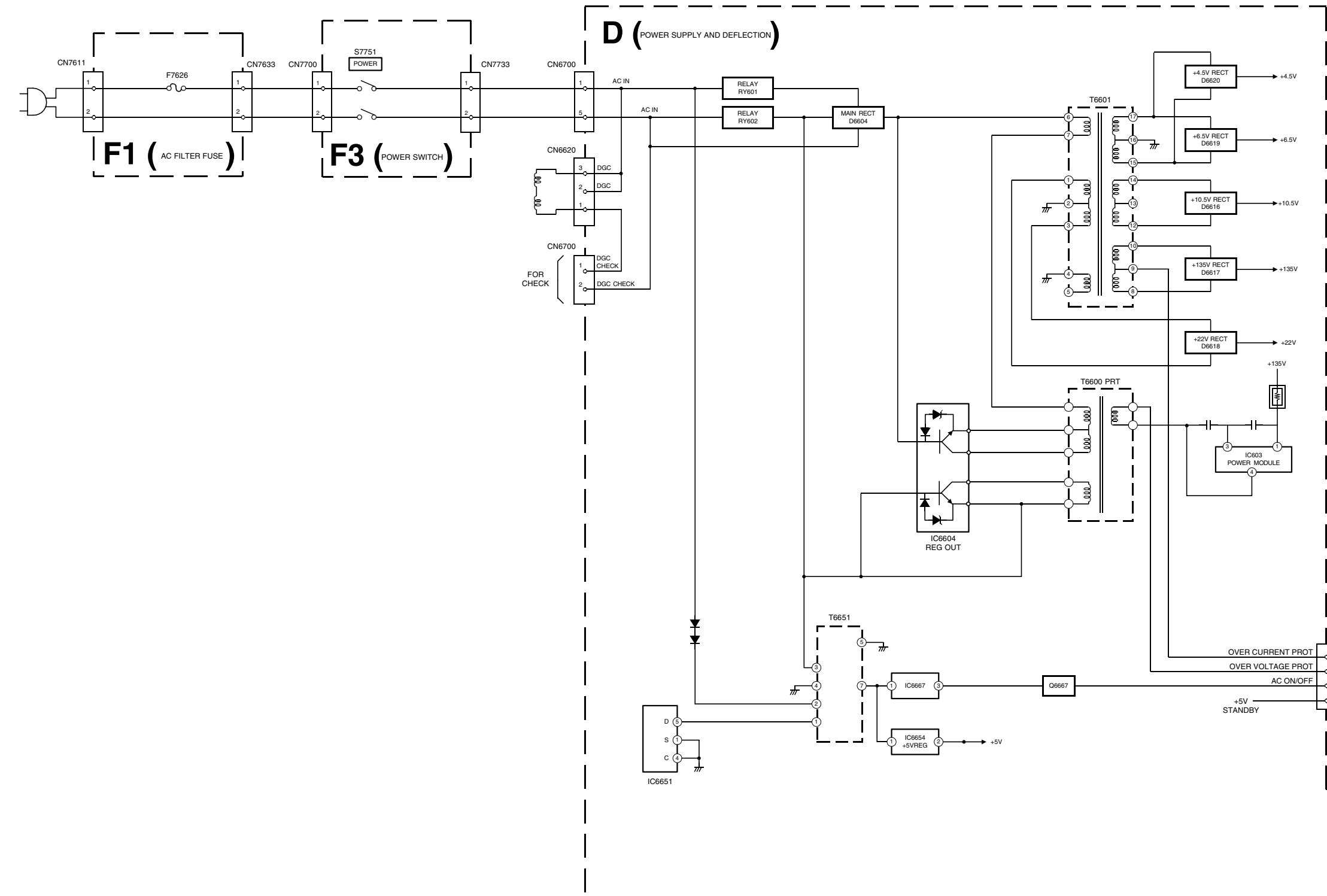
00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set speaker/headphone Volume to 30%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode
08	Shipping Condition
10	No function
11	Sub picture adjustment
12	Sub colour adjustment
13	Display software version and TV set configuration
14	Production Info Display
15	Picture Rotation
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	No function
21	Destination A includes text settings, display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	No function
31	Geometry Adjustment 1
32	Geometry Adjustment 2
33	Error monitor
34	No function
35	CRT 4:3 <> 16:9 ; Display TV status
36	Line 23 detection switch
37	Velocity Modulation (VM) test
38	No function
39	No function
40	No function
41	Screen mode check
42	Re-initialise geometry
43	No function
44	No function
45	No function
46	Reserved for dealer commander
47	Re-initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	No function
51	Set Dolby volume to 90%
52	Dolby on left speaker only
53	Dolby on right speaker only

54	Dolby on left centre only
55	Dolby on surround speaker only
60	No function
61	Service mode
62	Production mode
63	Copy the picture reset data from ROM into the picture reset location of NVM
64	Copy the actual adj picture data from NVM to reset location of NVM
65	Reset error codes
68	Ignore error on
69	Ignore errors off
70	No function
71	Copy default dates of PANORAMA chip and external PLL from ROM into NVM
72	No function
73	Clear all programmes except 1-5 and all station labels
74	Adjustment for PIN Amp/Upper Corner Pin for MID, EPG and 12501 mode
75	Adjustment for Lower Corner Pin/ Trapezoid for MID, EPG and 12501 mode
76	Adjustment for M Pin for 12501 mode
77	Picture Booster check
78	No video blanking
79	No function
80	No function
81	Horizontal adjustment for left picture in PAP mode, text picture in PAT mode and centre picture in INDEX mode. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons. The corresponding mode must be set before adjustment.
82	Horizontal adjustment for right picture in PAP mode and live picture in PAT mode. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons. The corresponding mode must be set before adjustment.
83	No function
86	
87	Personal ID reset
88	Parental Lock off
89	OSD mute on/off
90	No function
91	Focus adjustment (Focus Phase/Ext. Deflection) with left and right joystick button.
92	Focus adjustment (DC Level/Ext. Deflection) with left and right joystick button.
93	Reserved for software group only
94	INDEX mode test command, released by OK or 00
95	Dolby Low Pass Filter ON in surround channel
96	Dolby Low Pass Filter OFF in surround channel
97	No action
98	No action
99	Speaker check, released by OK or 00

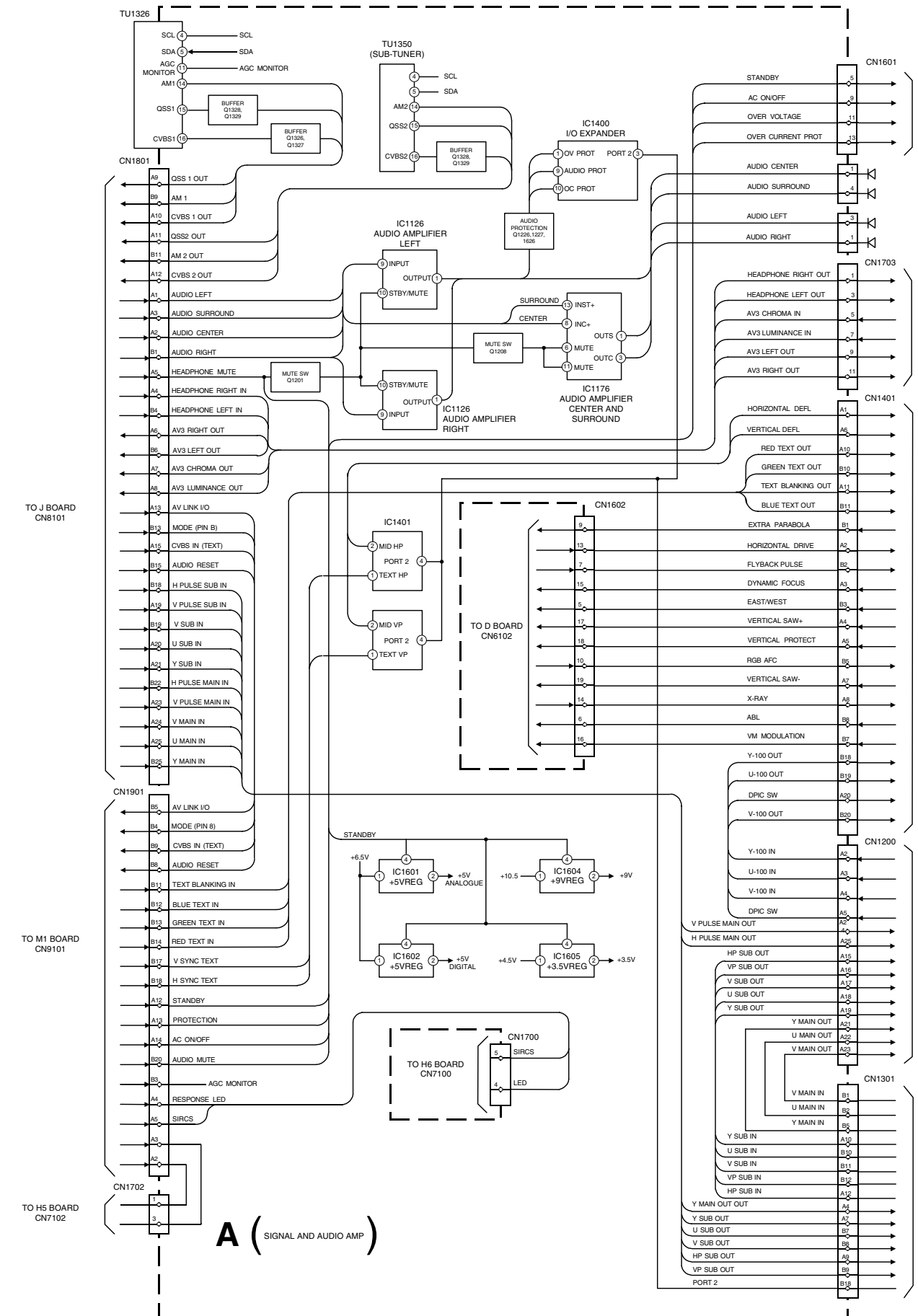
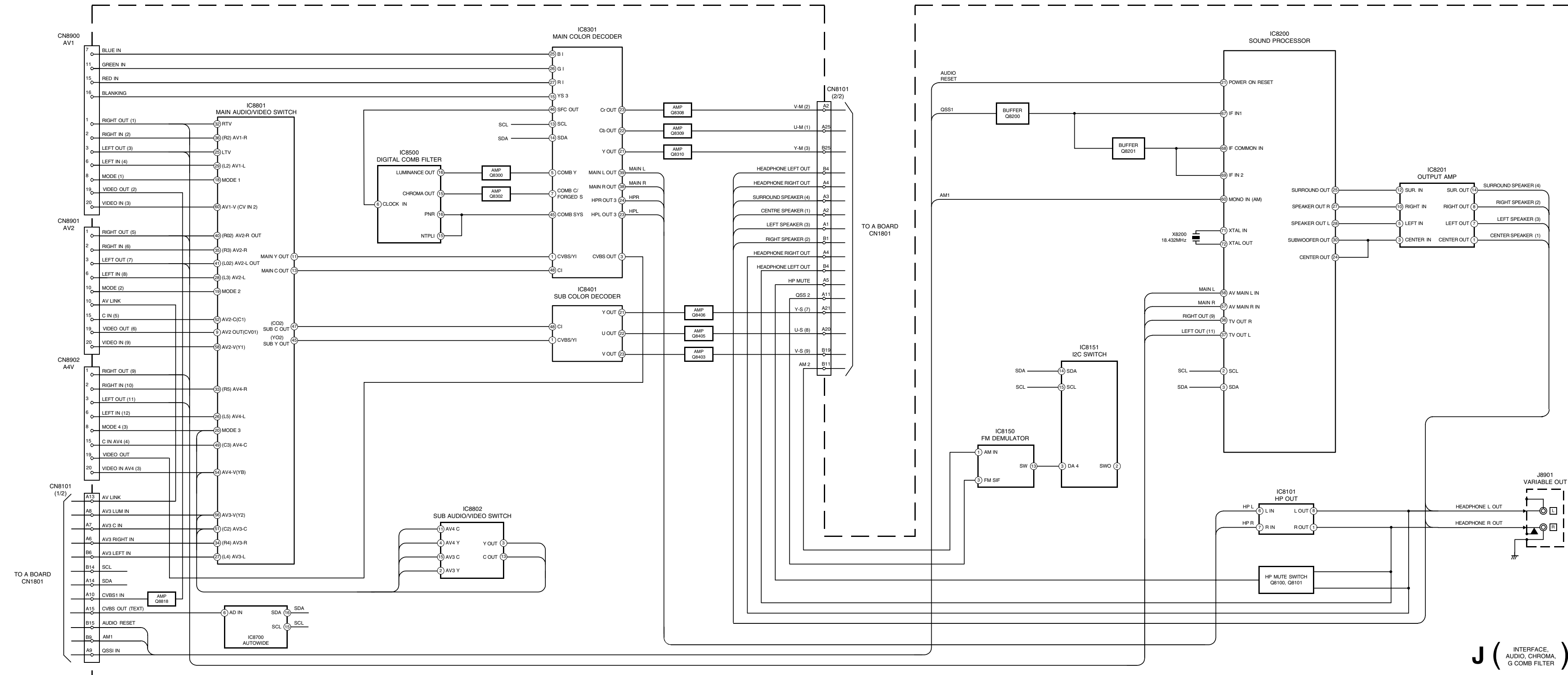
Memo

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

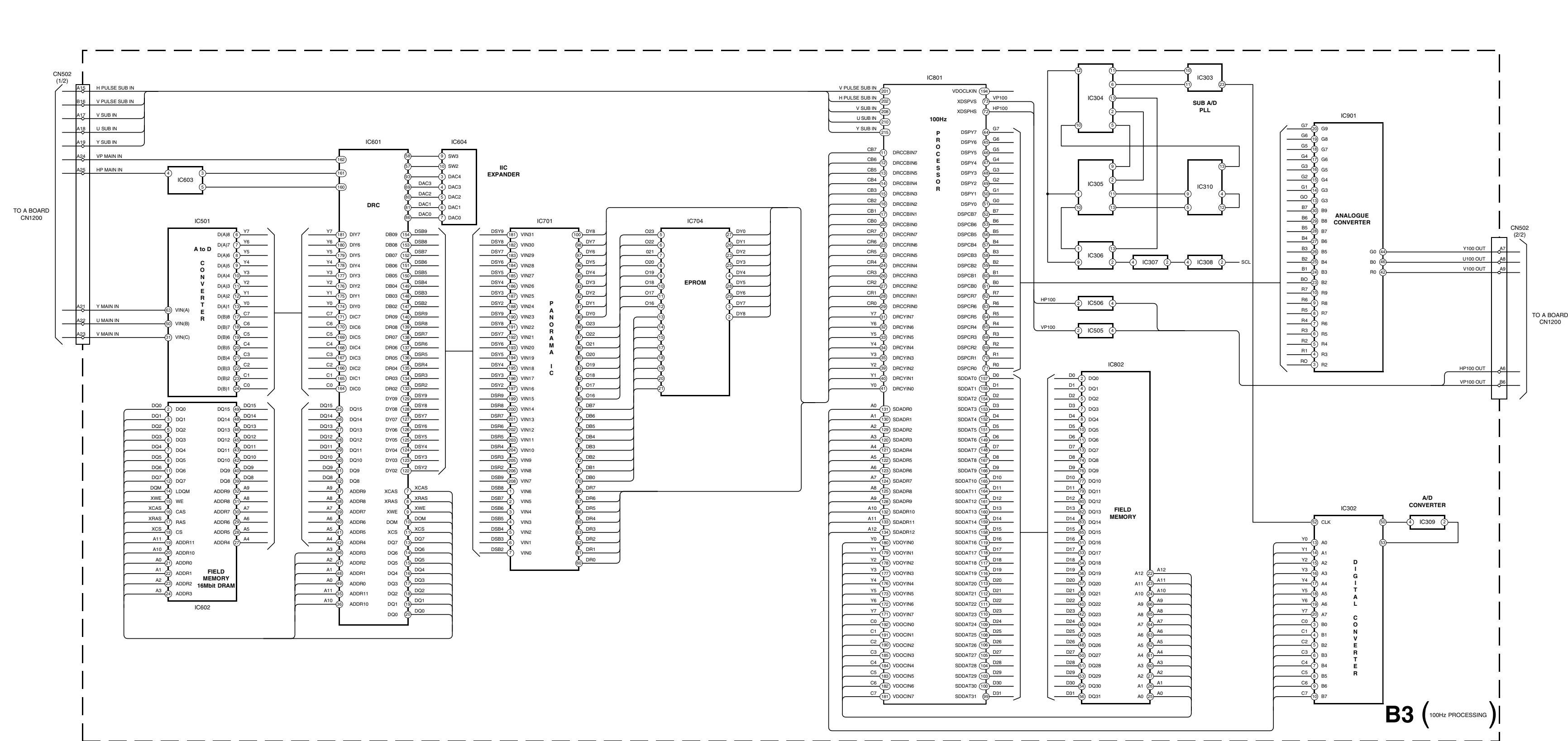
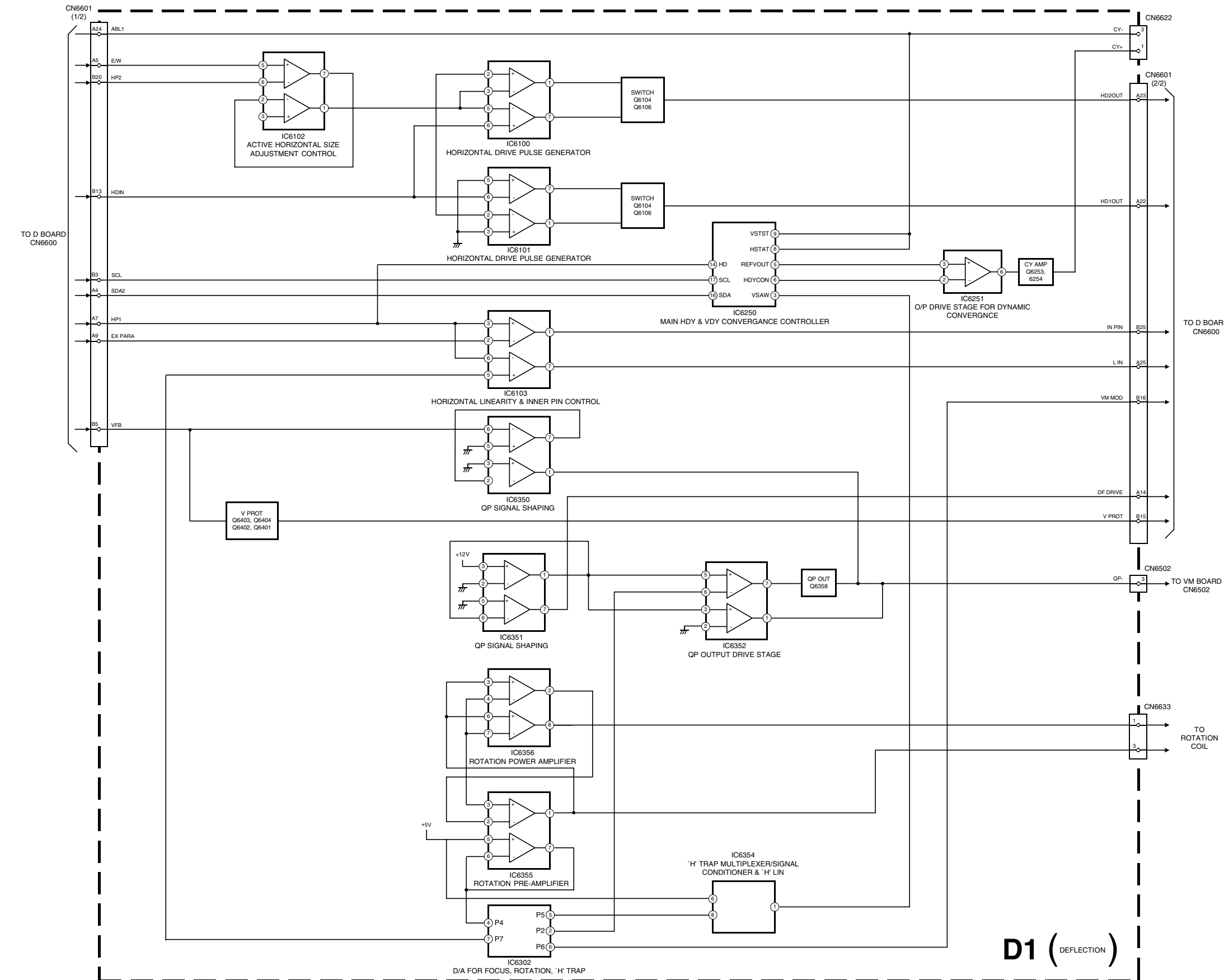
5-1. BLOCK DIAGRAMS (1)



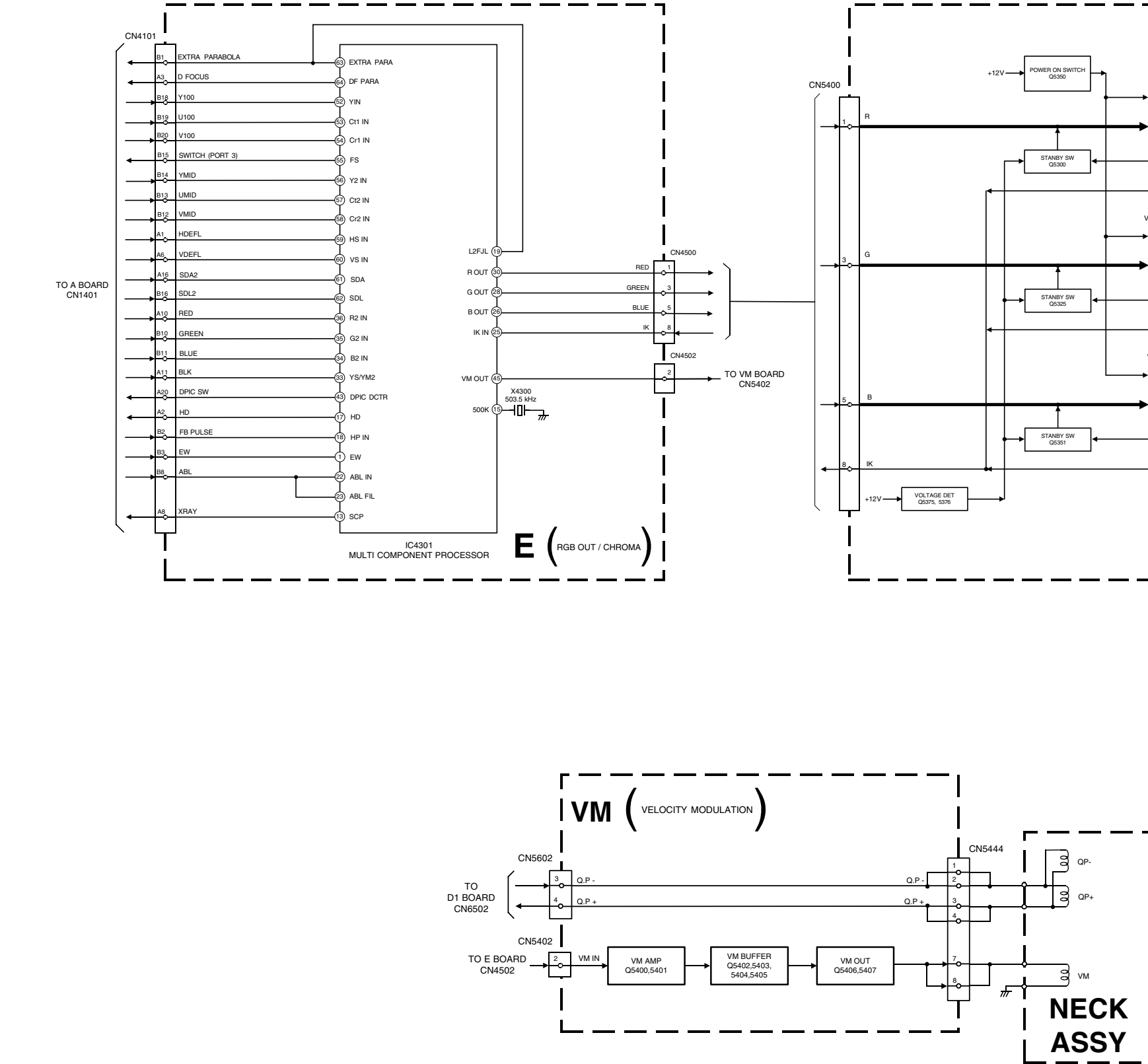
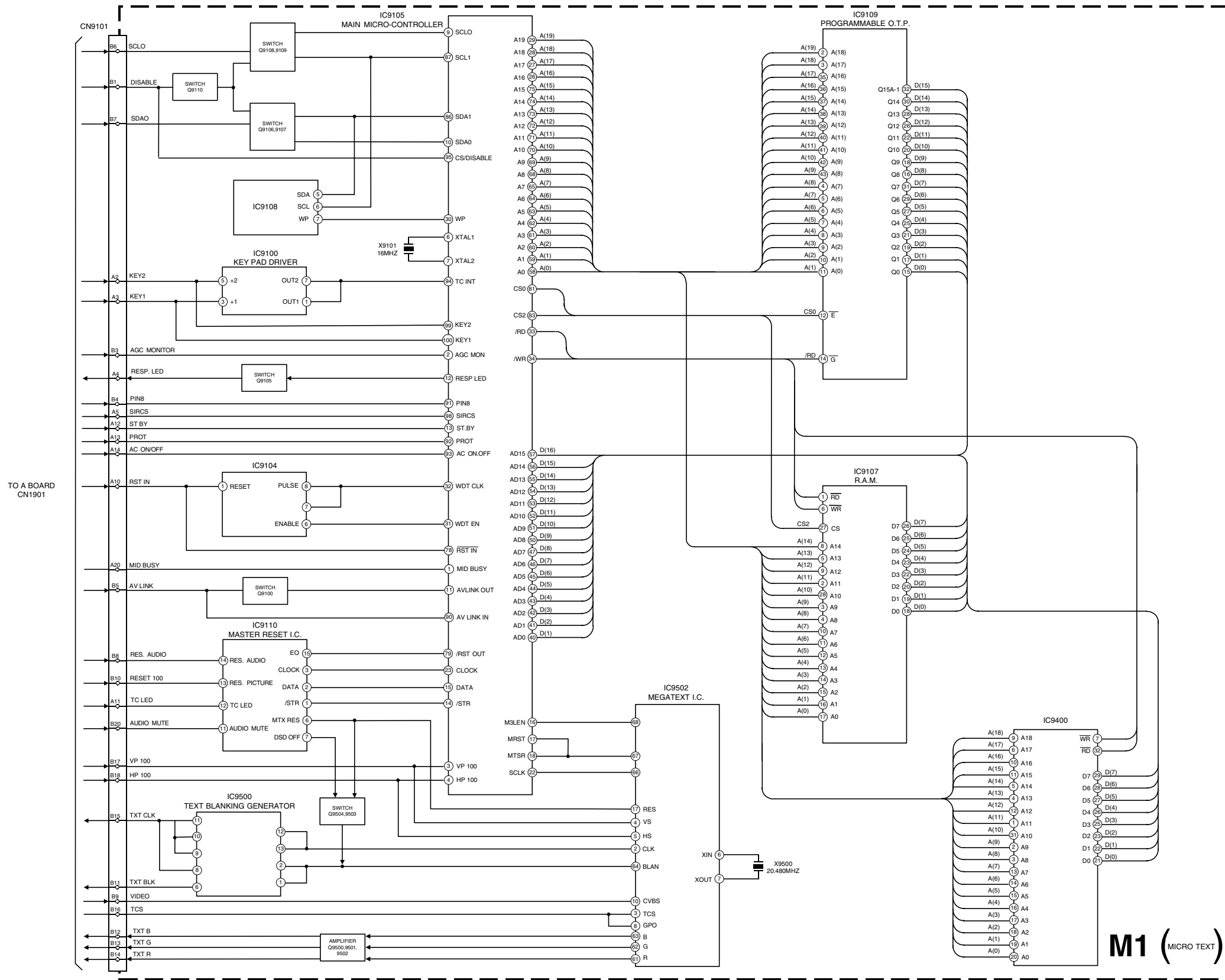
5-1. BLOCK DIAGRAMS (2)



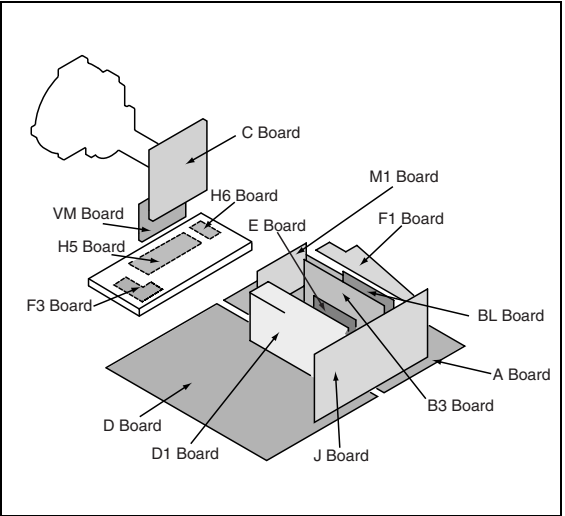
5-1. BLOCK DIAGRAMS (3)



5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note :**
- All capacitors are in μF unless otherwise noted.
 - pF : μpF 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.
 $k = 1000 \text{ ohms}$, $M = 1000,000 \text{ ohms}$

- : 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 multimeter.
- 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.

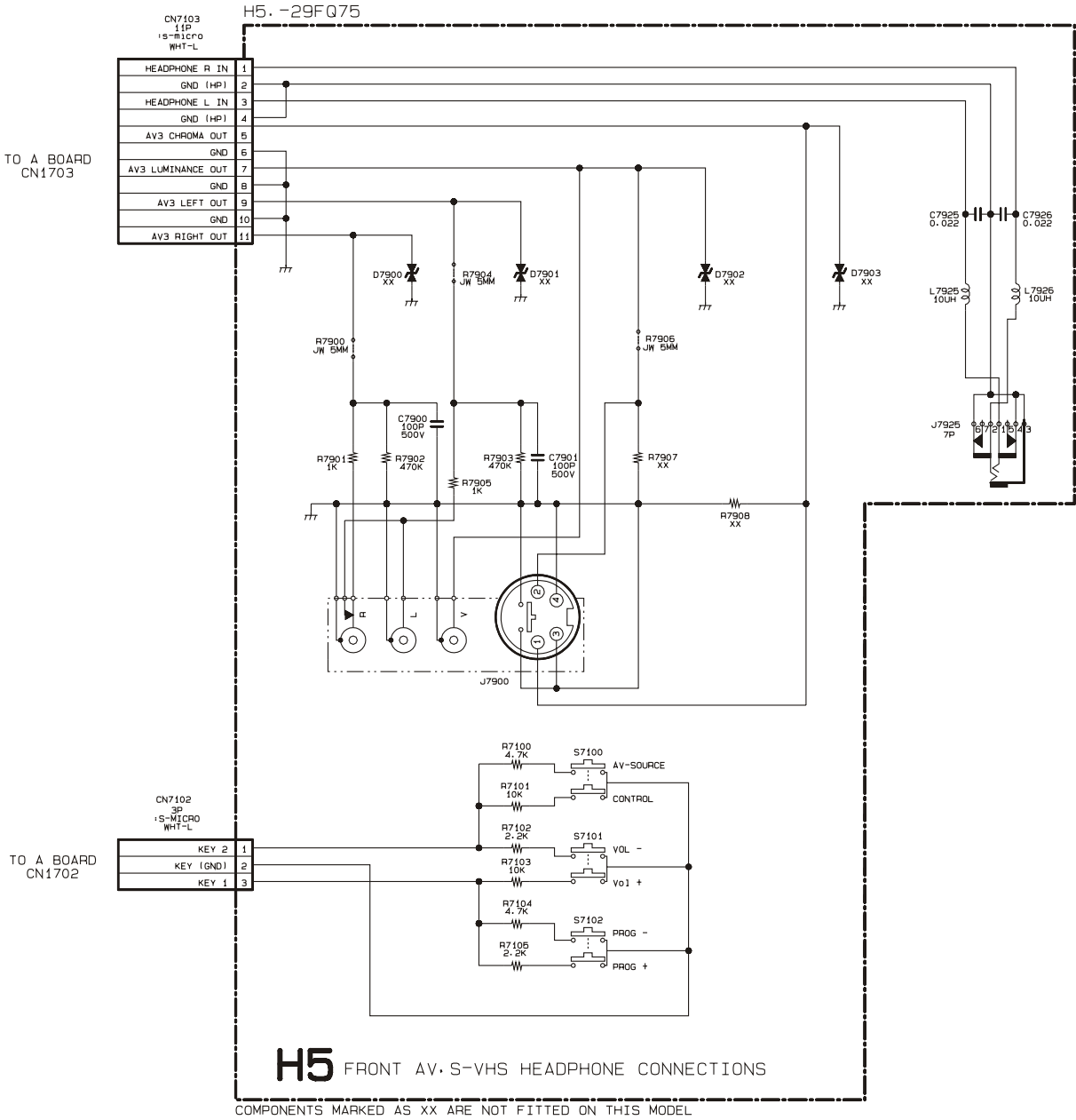
Reference Information

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

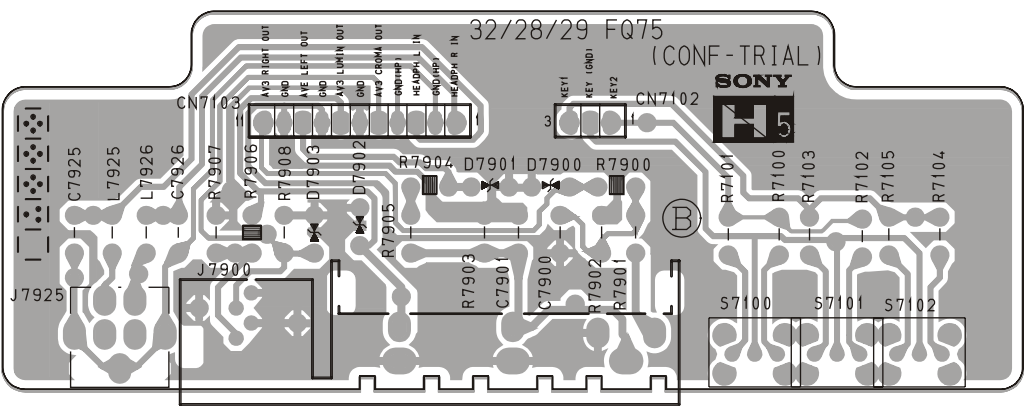
Note : The components identified by shading and marked are critical for safety. Replace only with the part numbers specified in the parts list.

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

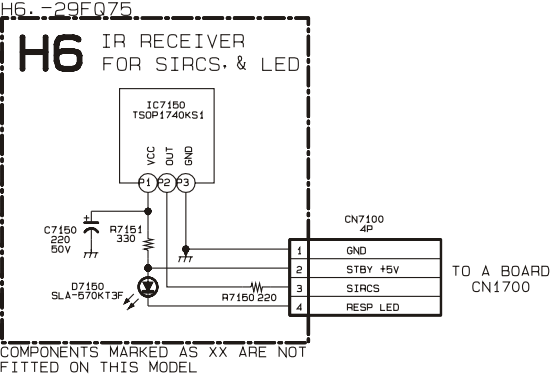
H5 [FRONT AV, S-VIDEO]



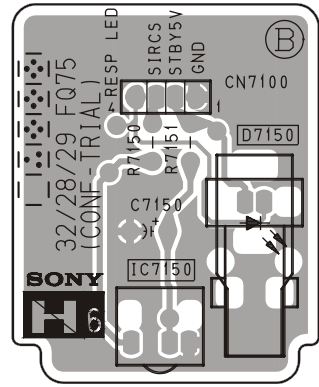
H5 [PRINTED WIRING BOARD]



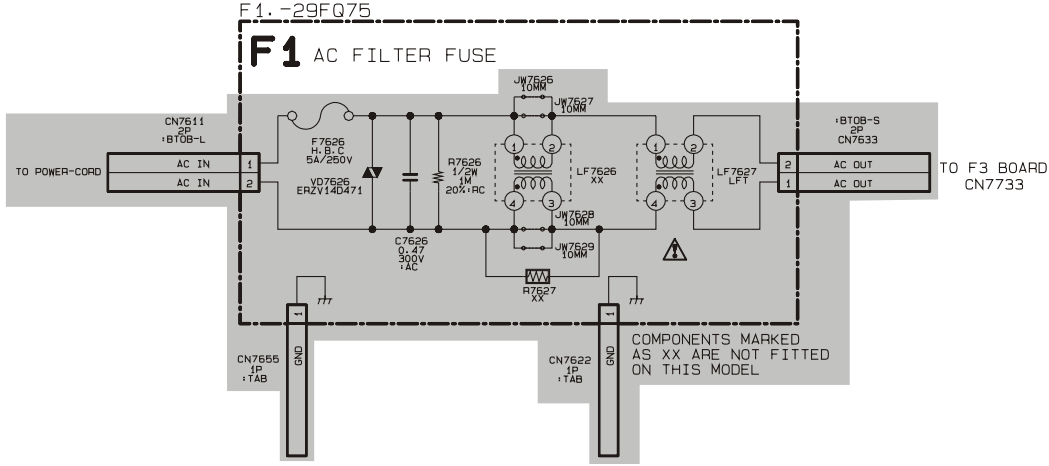
H6 [IR RECEIVER FOR SIRCS AND LED]



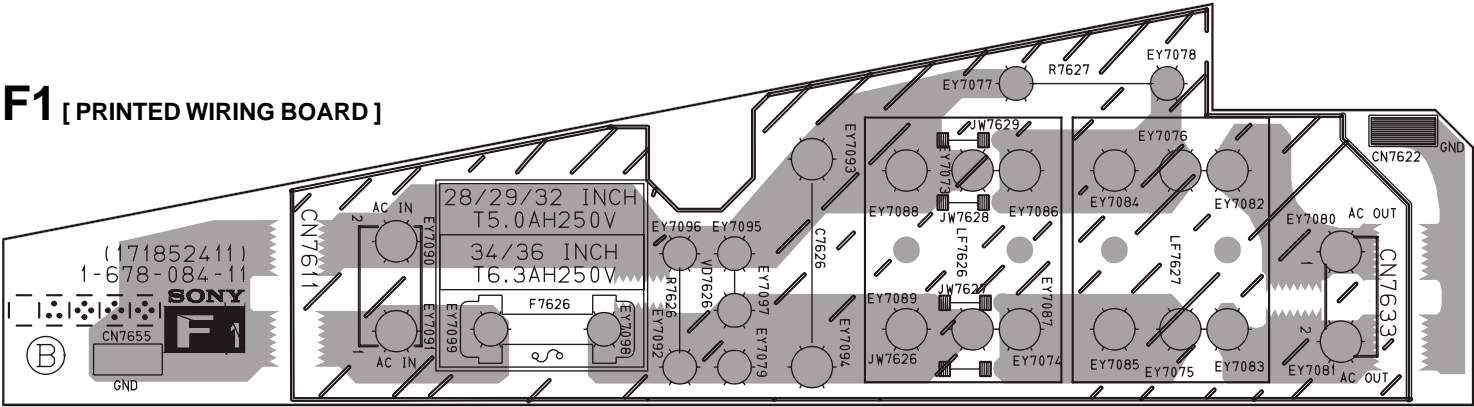
H6 [PRINTED WIRING BOARD]



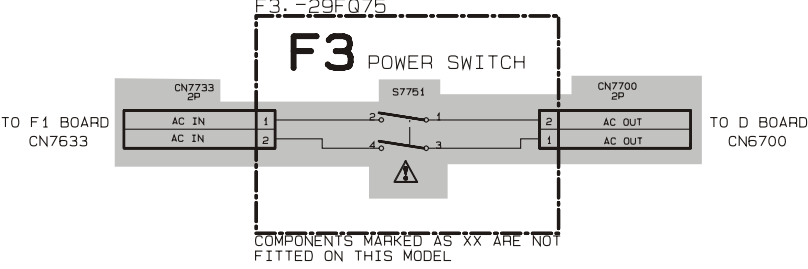
F1 [AC FILTER FUSE]



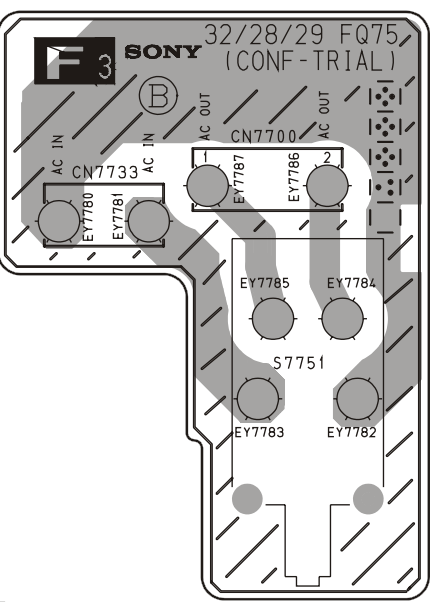
F1 [PRINTED WIRING BOARD]



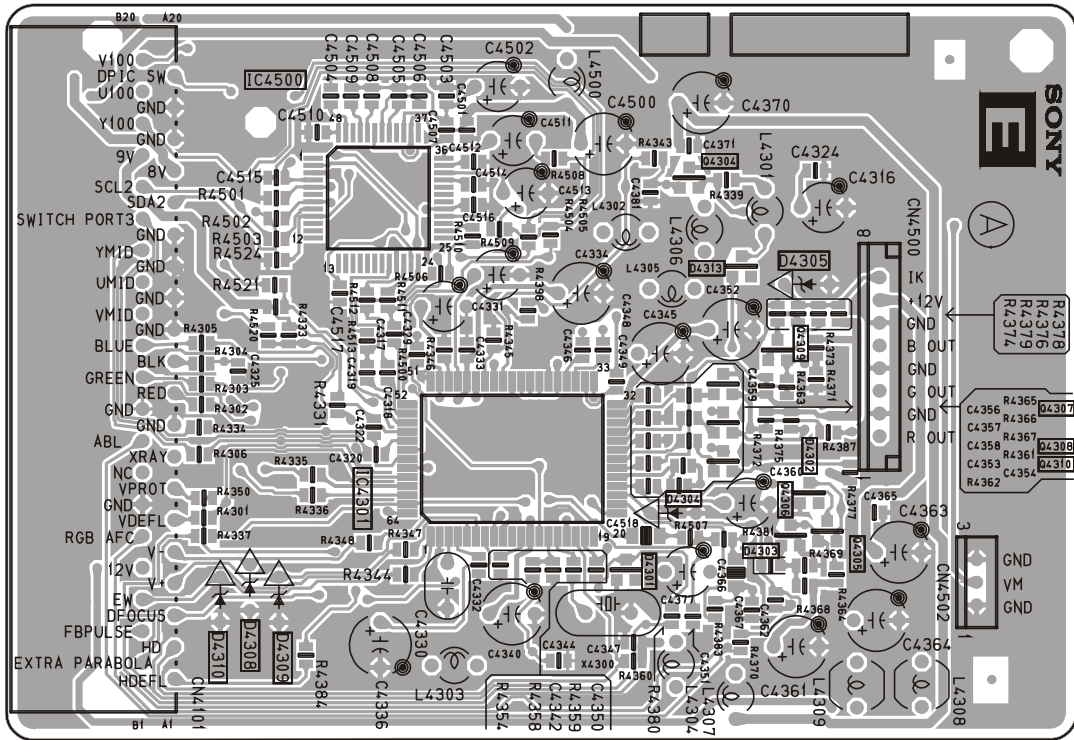
F3 [POWER SWITCH]



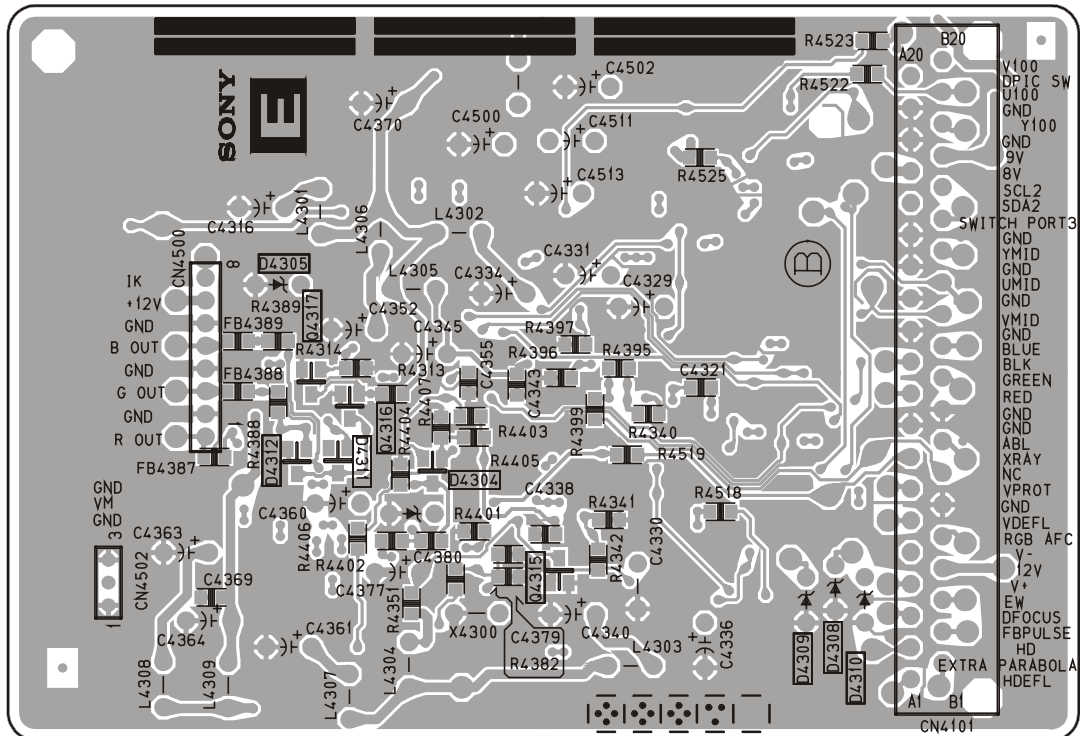
F3 [PRINTED WIRING BOARD]



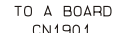
E [PRINTED WIRING BOARD (A side)]



E [PRINTED WIRING BOARD (B side)]

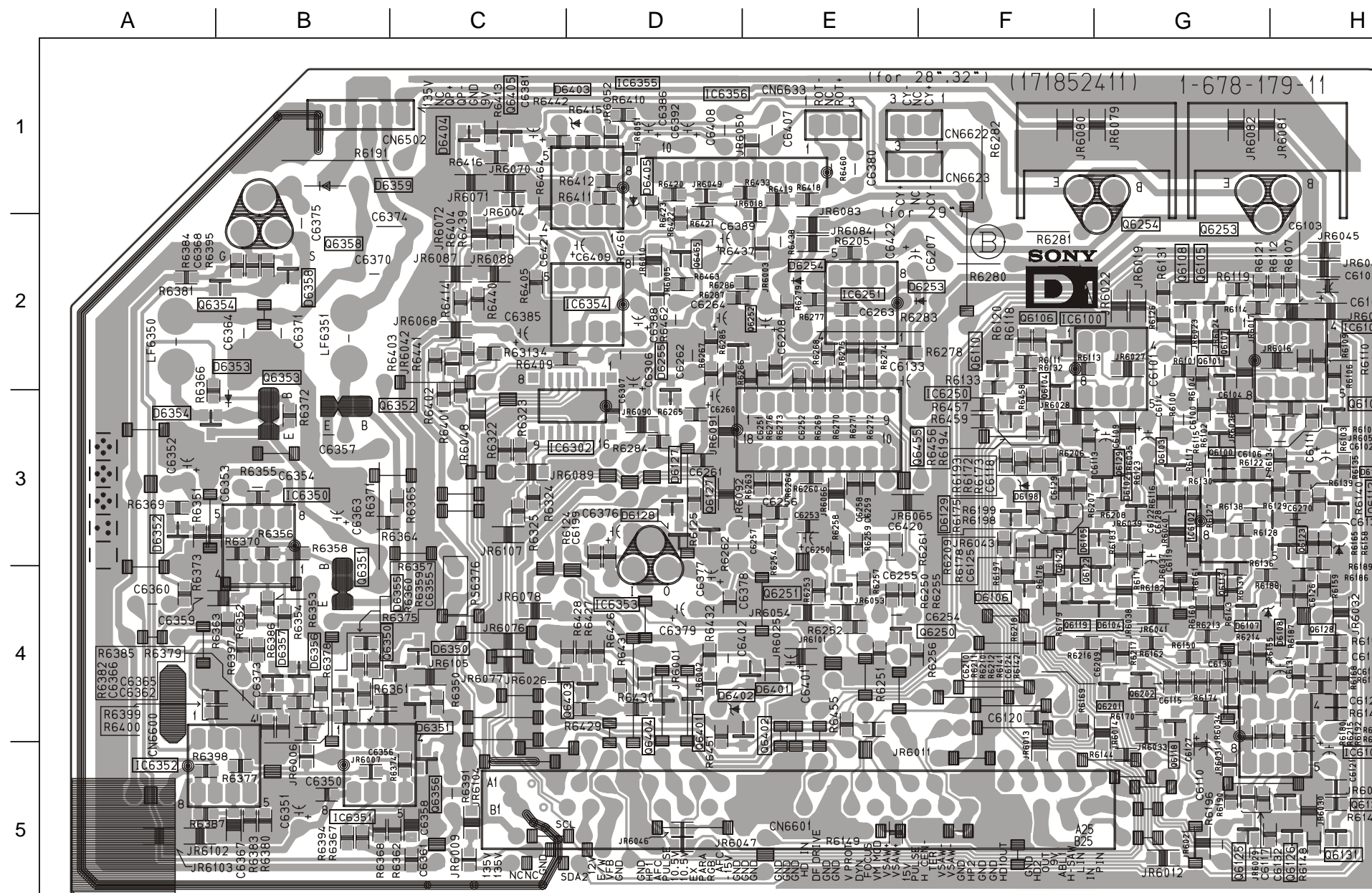


[illegible][illegible]



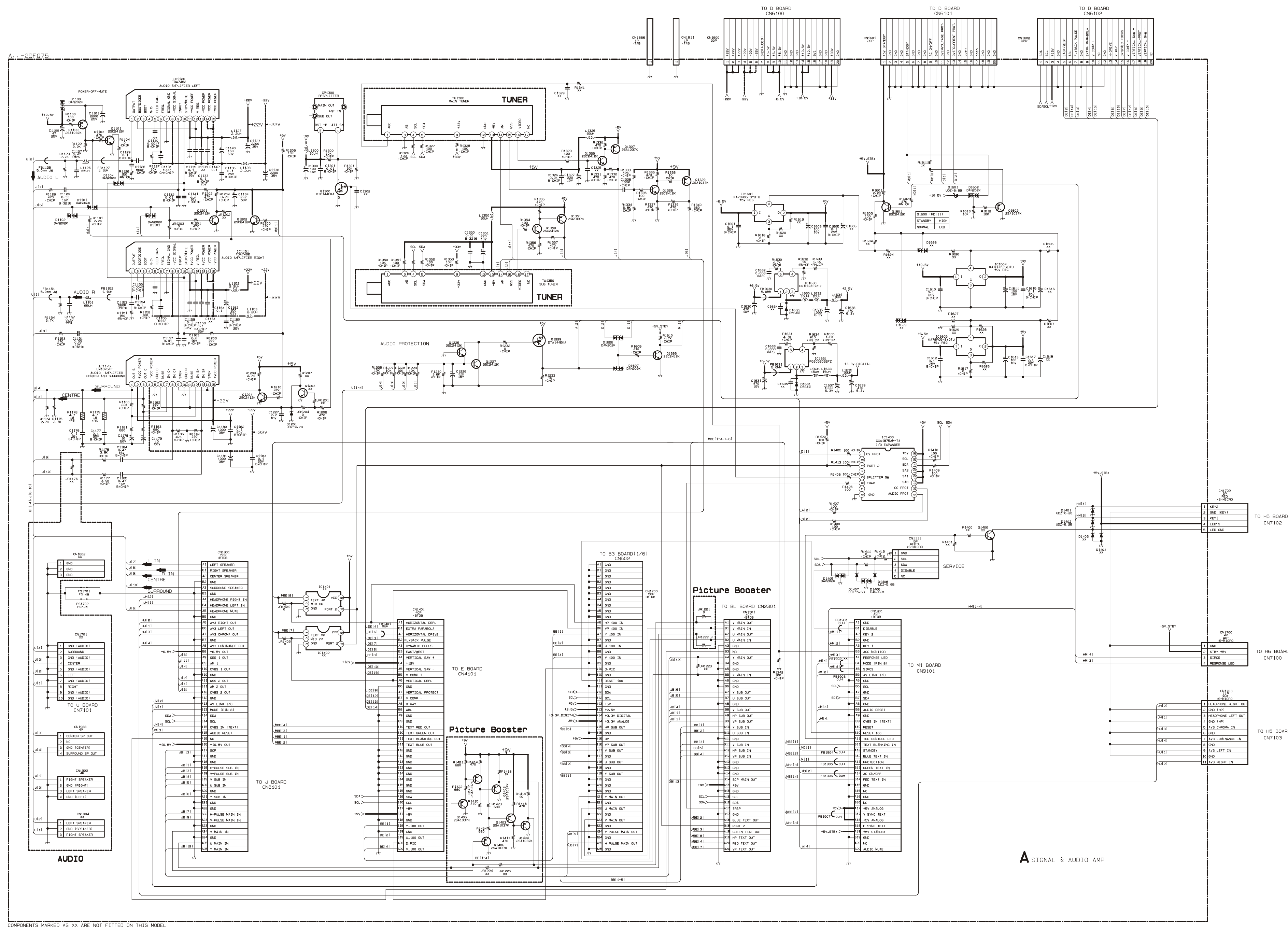
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL





IC		IC6351	B - 5	Q6102	H - 3	Q6113	H - 4	Q6128	H - 4	Q6352	C - 3	Q6405	C - 1	D6127	D - 3	D6354	A - 3
IC6100	G - 2	IC6352	A - 5	Q6103	G - 3	Q6118	G - 5	Q6129	G - 3	Q6353	B - 3	Q6455	F - 3	D6128	D - 3	D6355	C - 4
IC6101	H - 2	IC6353	D - 4	Q6104	F - 3	Q6119	G - 4	Q6201	G - 4	Q6354	B - 2	Q6465	D - 2	D6129	F - 3	D6358	B - 2
IC6102	G - 3	IC6354	D - 2	Q6105	G - 2	Q6120	G - 4	Q6202	G - 4	Q6356	B - 5	DIODE		D6253	F - 2	D6359	C - 1
IC6103	H - 5	IC6355	D - 1	Q6106	F - 2	Q6122	G - 4	Q6250	F - 4	Q6358	B - 2	D6102	G - 3	D6255	D - 2	D6401	E - 4
IC6250	F - 3	IC6356	E - 1	Q6107	H - 2	Q6123	H - 3	Q6251	E - 4	Q6401	D - 5	D6104	G - 4	D6350	C - 4	D6402	E - 4
IC6251	D - 2	TRANSISTOR		Q6108	G - 2	Q6125	H - 5	Q6252	E - 2	Q6402	E - 5	D6105	G - 3	D6351	C - 5	D6403	D - 1
IC6302	D - 3	Q6100	G - 3	Q6110	F - 2	Q6126	H - 5	Q6350	C - 4	Q6403	D - 4	D6107	H - 4	D6352	A - 3	D6404	C - 1
IC6350	B - 3	Q6101	G - 2	Q6112	H - 3	Q6127	D - 3	Q6351	B - 5	Q6404	D - 5	D6108	H - 4	D6353	B - 2	D6405	D - 1





AUDIO

Picture Booster

Picture Booster

A SIGNAL & AUDIO AMP

IC Voltage Table

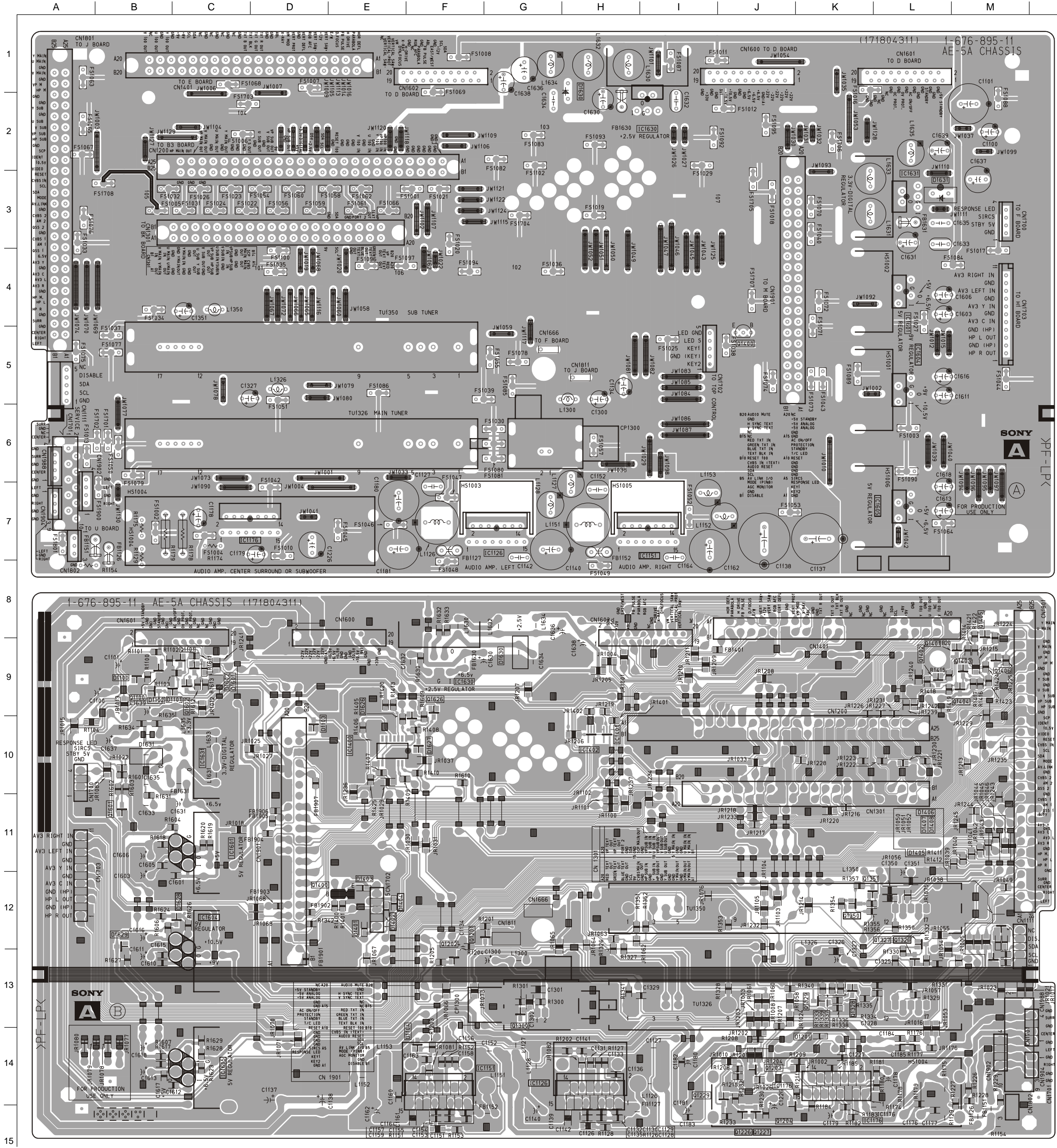
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC1126	1	0
	2	-11
	3	10
	6	-19
	9	0
	10	4.1
IC1151	1	0
	2	-11
	3	10
	6	-18
	9	0
	10	4.1
IC1400	1	0
	3	4.6
	5	4.6
	6	4.0
	9	0
	10	0
IC1176	1	0
	3	3
	6	3
	7	0
	8	0
	9	0
IC1176	1	0
	3	3
	6	3
	7	0
	8	0
	9	0
IC1176	1	0
	3	3
	6	3
	7	0
	8	0
	9	0

Semiconductor Location Table

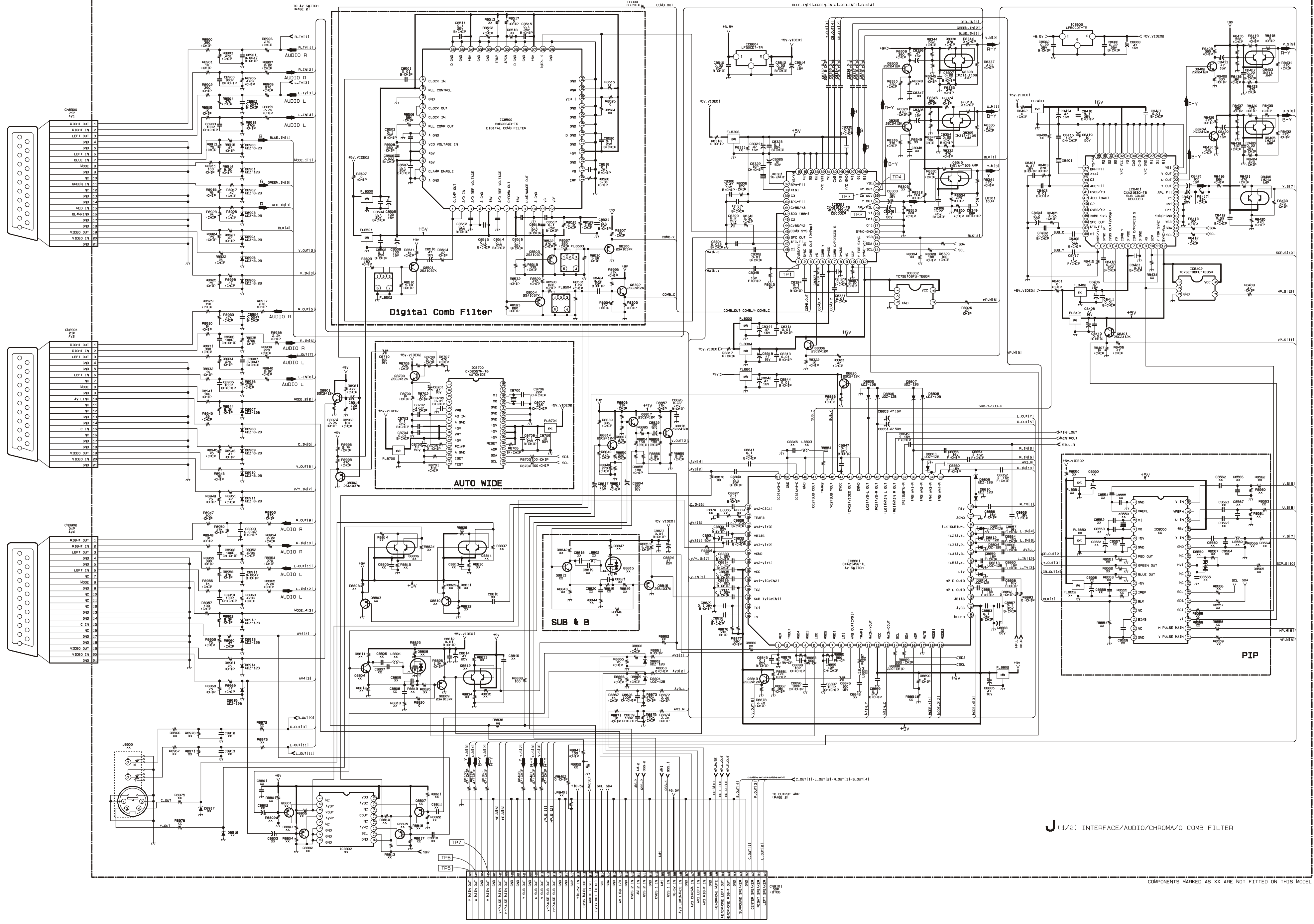
IC		Q1403	L-9
IC1126	G-7	Q1404	L-9
IC1151	H-7	Q1405	M-8
IC1176	C-7	Q1406	M-9
IC1400	E-10	Q1601	B-11
IC1601	L-4	Q1602	C-9
IC1604	L-5	Q1626	F-9
IC1605	L-7	DIODE	
IC1630	I-2	D1101	B-9
IC1631	L-2	D1101	B-9
TRANSISTOR		D1102	B-9
Q1100	B-9	D1103	D-10
Q1101	C-9	D1104	E-14
Q1201	F-12	D1201	K-13
Q1202	F-12	D1401	E-12
Q1204	F-12	D1402	E-12
Q1226	J-15	D1405	L-11
Q1227	J-15	D1406	L-11
Q1229	I-14	D1407	L-11
Q1300	G-13	D1408	L-11
Q1326	L-12	D1601	C-9
Q1327	L-12	D1602	C-9
Q1328	K-13	D1626	B-12
Q1329	K-13	D1627	F-10
Q1401	L-9	D1630	H-1
Q1402	L-9	D1631	L-3

Semiconductor Voltage Table

Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q1100	10.5	10.6	0	Q1229	5	4.9	0
Q1101	0	0	2.2	Q1326	1.2	1.8	4.4
Q1201	0	0.6	0	Q1327	5	4.4	1.7
Q1202	0	0.1	2.1	Q1328	2.6	3.2	8.3
Q1300	0	4.6	0	Q1329	5	8.3	4.5
Q1226	0	0	4.9	Q1601	0	0	5
Q1227	0	0	4.9	Q1602	3.9	3.3	0

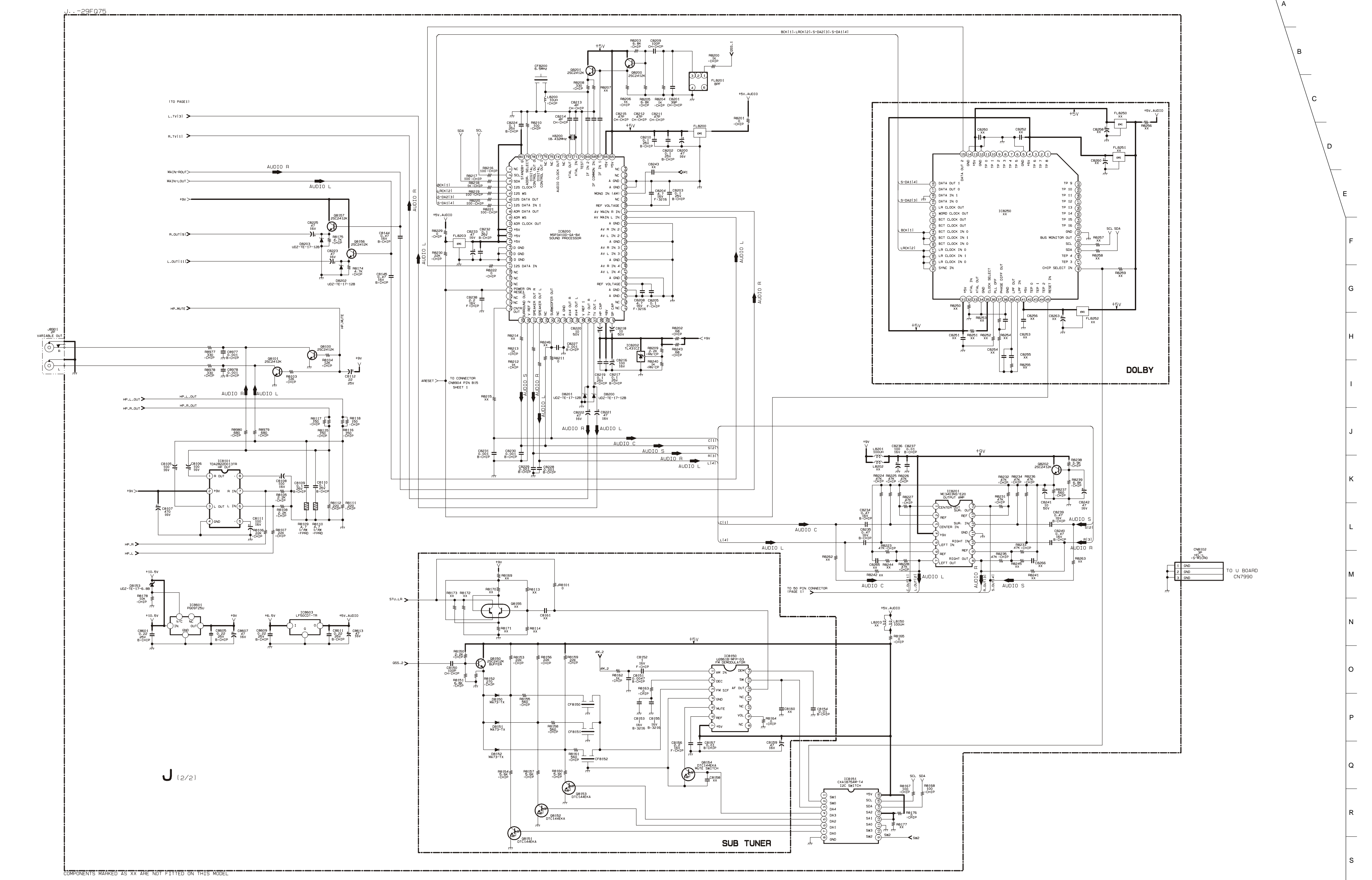


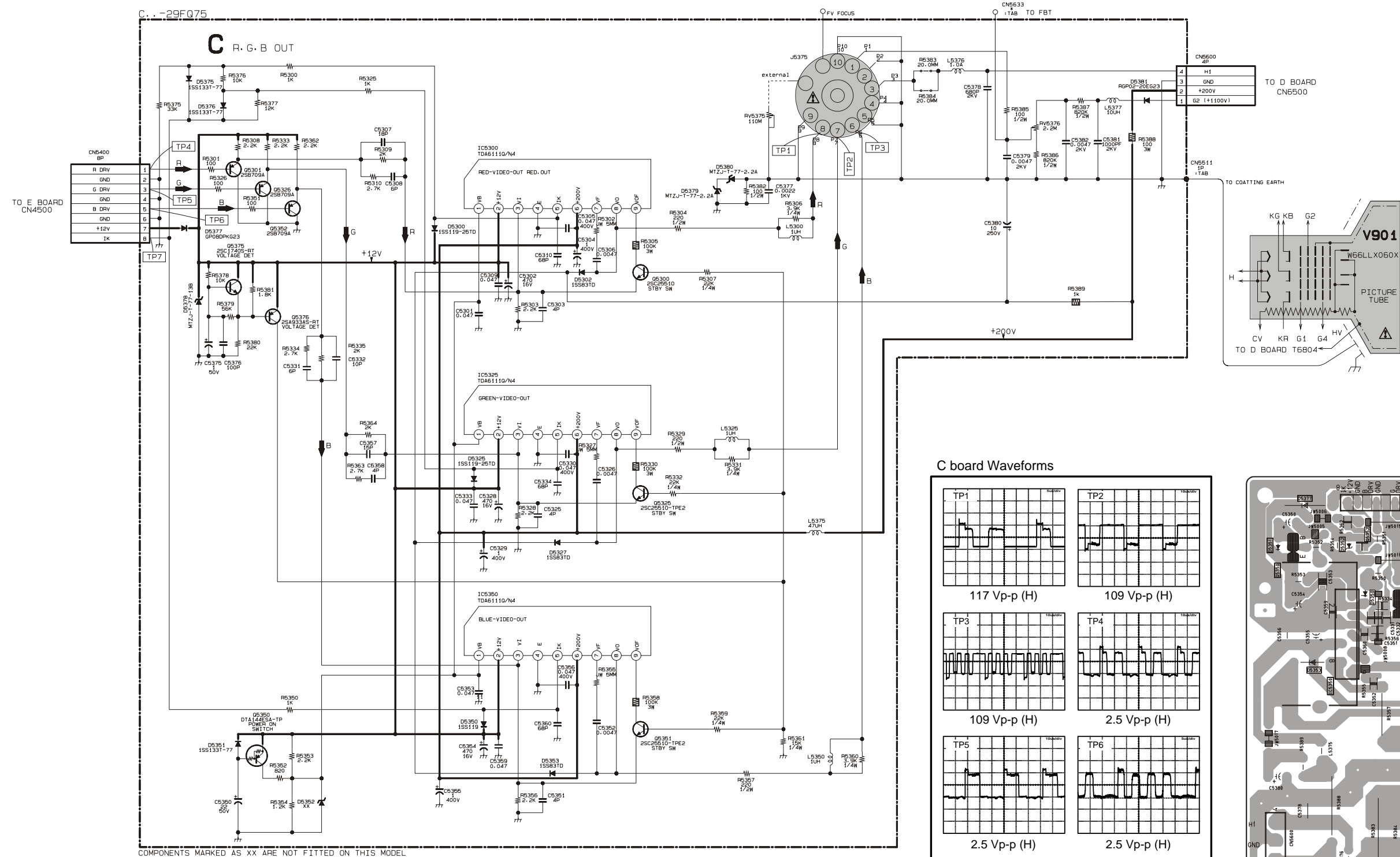
J. -29F075



J (1/2) INTERFACE/AUDIO/CHROMA/G COMB FILTER

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

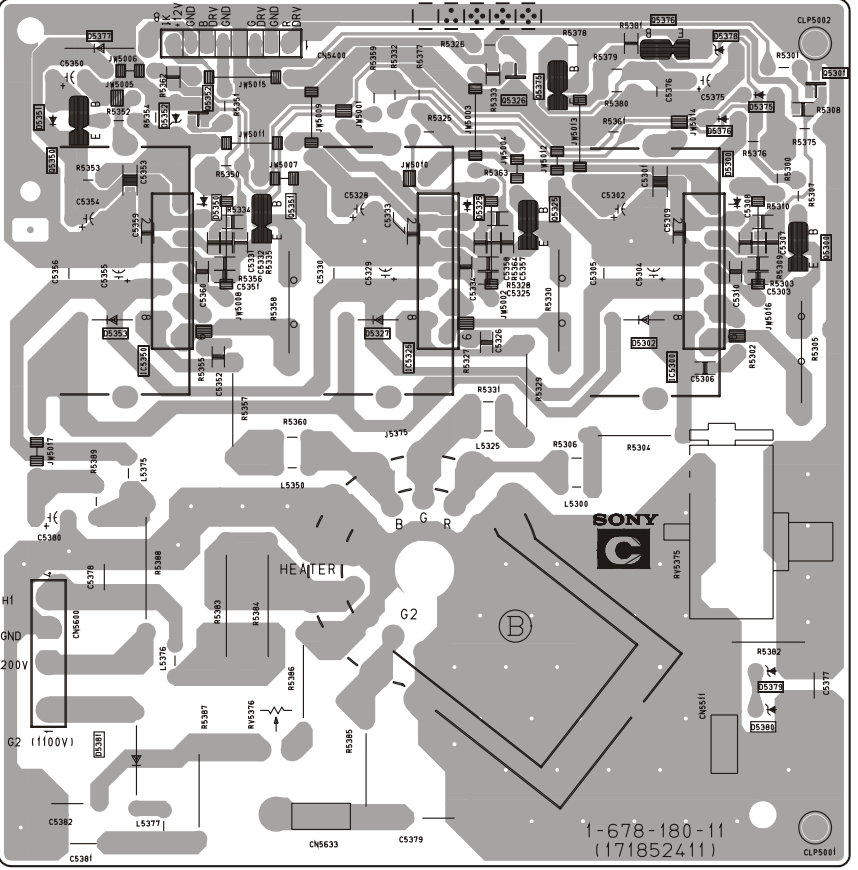
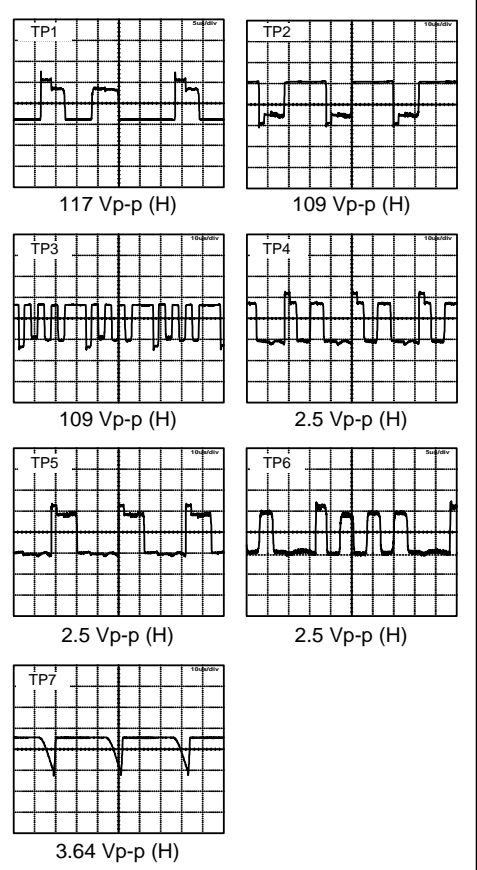


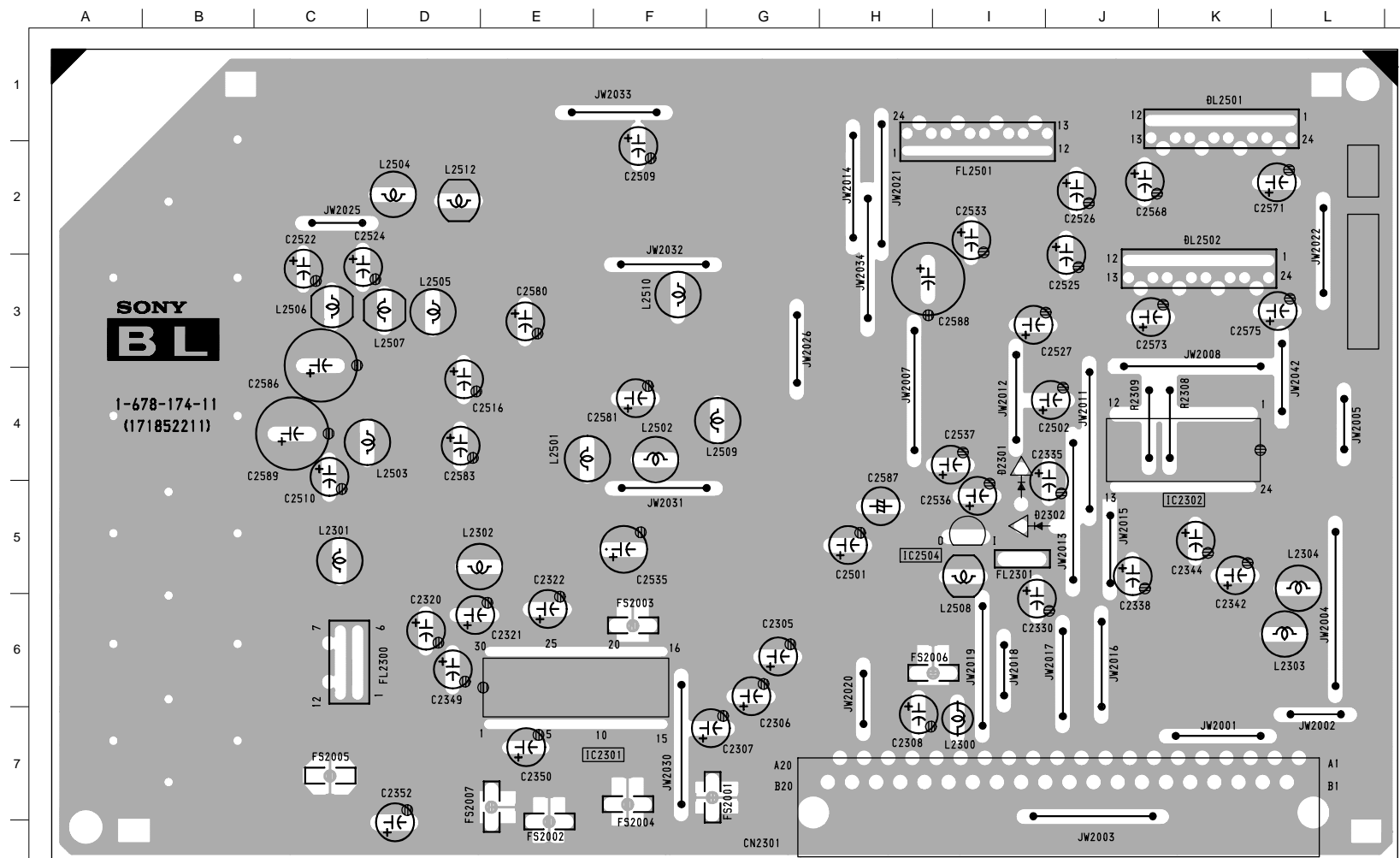


Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q5301	3.5	2.8	0	Q5300	3.7	4.4	3.8
Q5326	3.6	3	0	Q5325	3.7	4.4	3.8
Q5352	3.7	3	0	Q5351	3.8	4.4	3.9
Q5375	10.3	10.9	11	Q5350	11	10.9	3.9
Q5376	11	10.3	10.9				

IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC5300	1	3.9
	3	3.8
	5	8.4
	7	153.0
	9	152.0
IC5325	1	3.9
	3	3.8
	5	8.7
	7	150.0
	8	155.0
IC5350	1	3.9
	3	3.8
	5	8.4
	7	150.0
	8	156.0
	9	149.0

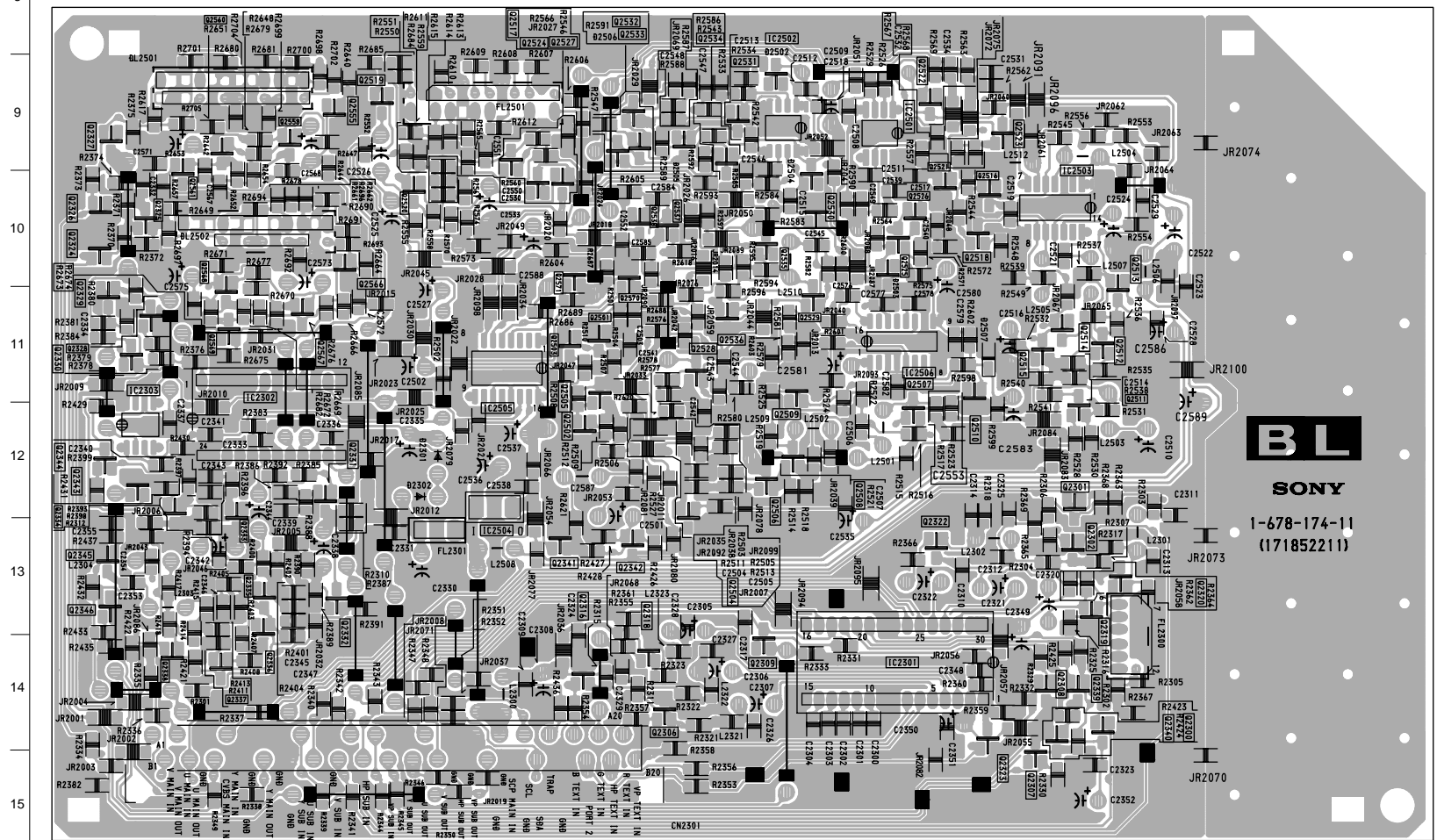
C board Waveforms



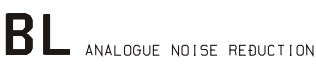


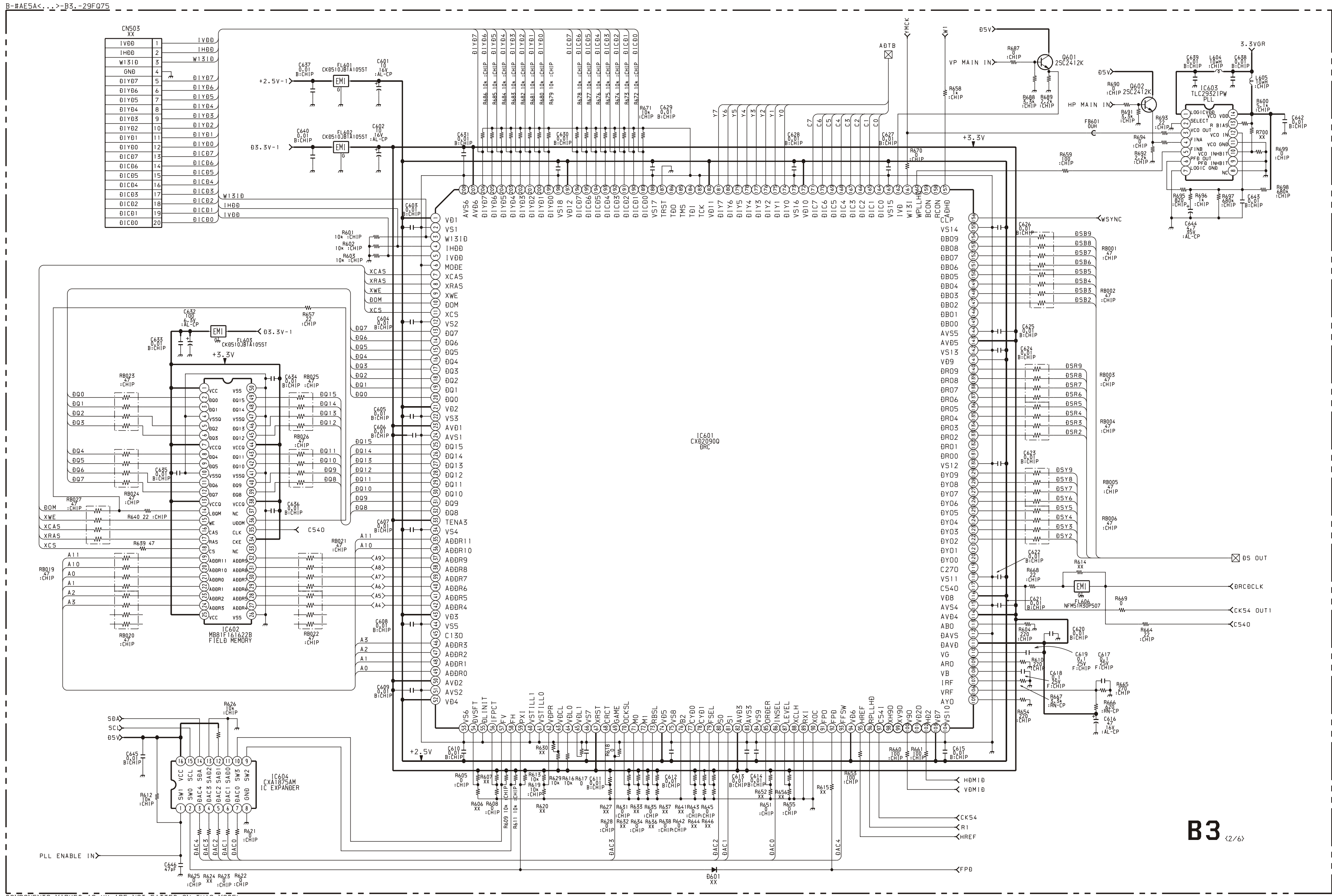
BL [PRINTED WIRING BOARD [A] SIDE]

IC		Q2504	G - 13
IC2301	H - 14	Q2505	E - 11
IC2501	H - 9	Q2506	G - 13
IC2503	I - 10	Q2507	H - 11
IC2504	D - 12	Q2508	H - 12
IC2505	D - 11	Q2509	G - 12
TRANSISTOR		Q2510	I - 12
Q2300	J - 14	Q2511	J - 12
Q2301	I - 13	Q2512	J - 11
Q2302	I - 13	Q2513	J - 11
Q2306	F - 10	Q2514	J - 11
Q2307	I - 15	Q2515	I - 11
Q2309	G - 14	Q2516	I - 10
Q2316	E - 13	Q2517	E - 8
Q2318	F - 13	Q2518	I - 10
Q2319	J - 14	Q2519	C - 9
Q2320	K - 14	Q2520	D - 10
Q2322	H - 13	Q2521	H - 9
Q2323	I - 15	Q2522	H - 9
Q2324	A - 10	Q2523	I - 9
Q2326	A - 10	Q2524	E - 8
Q2327	A - 9	Q2525	H - 10
Q2331	C - 12	Q2526	H - 10
Q2332	C - 13	Q2527	E - 8
Q2333	B - 13	Q2528	F - 11
Q2334	A - 12	Q2529	G - 11
Q2335	B - 13	Q2530	G - 10
Q2336	B - 14	Q2532	F - 8
Q2337	B - 14	Q2533	F - 8
Q2338	B - 14	Q2555	C - 9
Q2339	J - 14	Q2566	C - 10
Q2340	J - 14	Q2568	B - 10
Q2341	E - 13	Q2571	E - 10
Q2342	F - 13	DIODE	
Q2344	A - 12	D2502	G - 9
Q2345	A - 13	D2503	H - 10
Q2502	E - 11	D2504	G - 9
Q2503	E - 11		

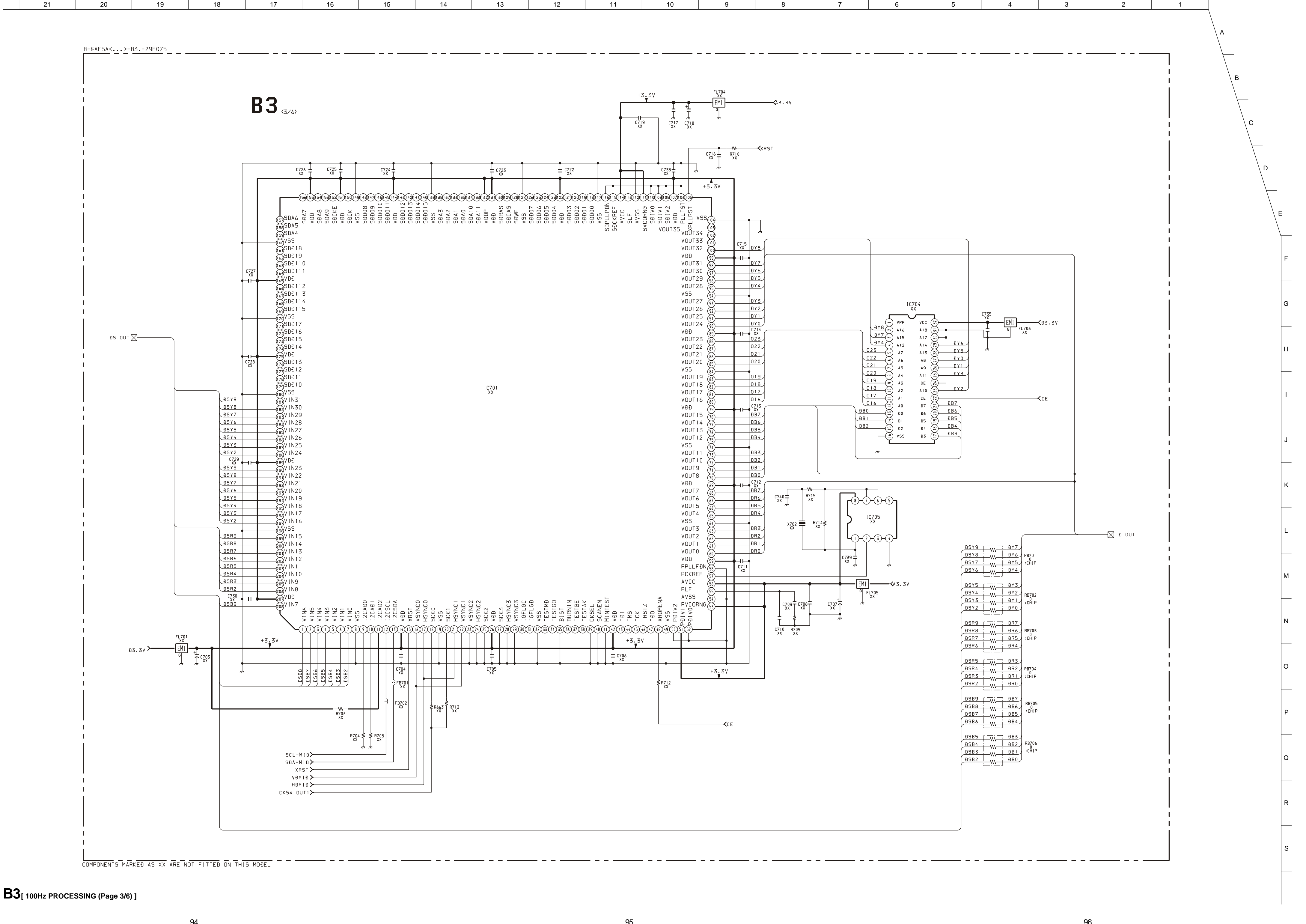


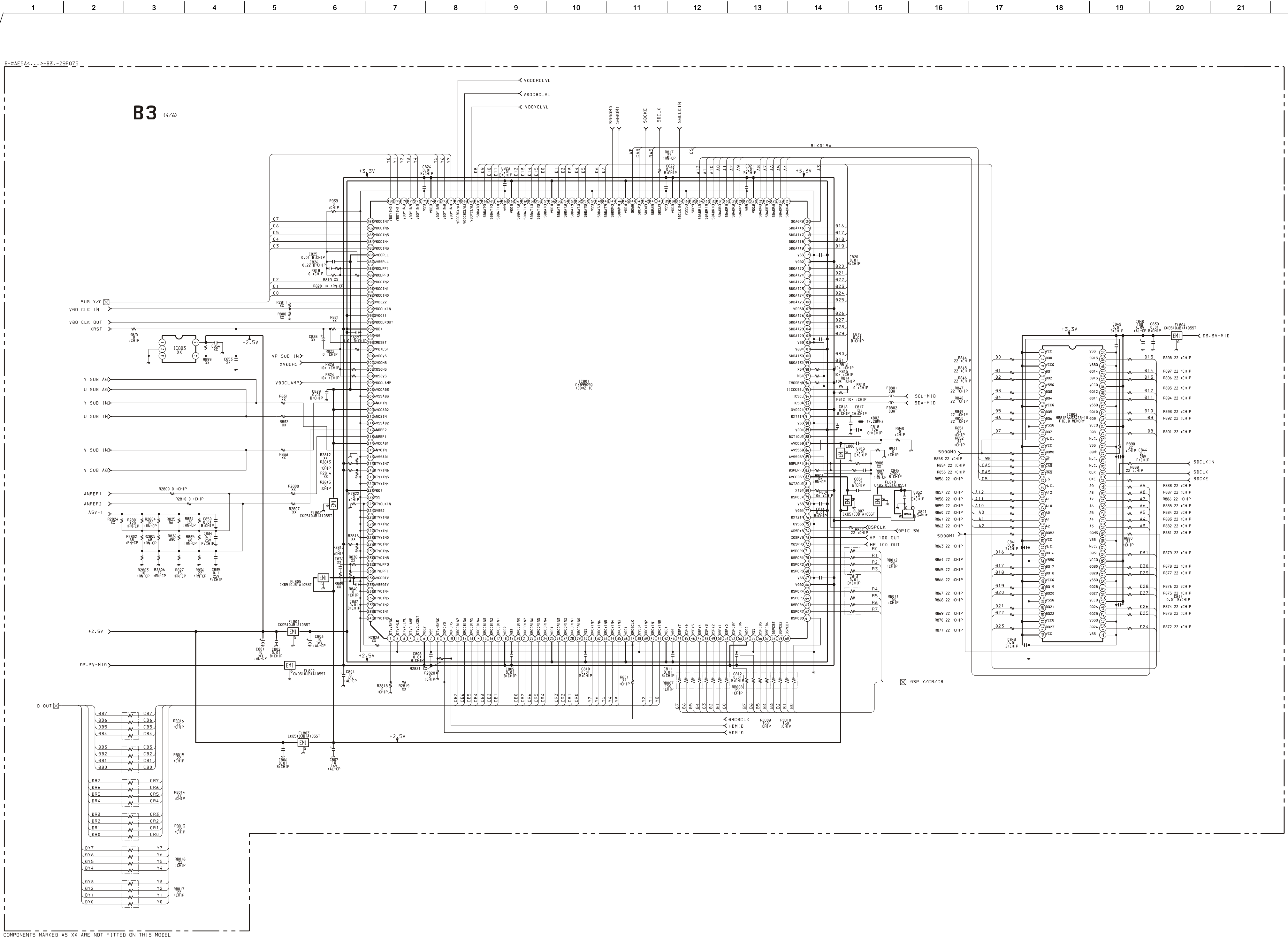
BL [PRINTED WIRING BOARD [B] SIDE]

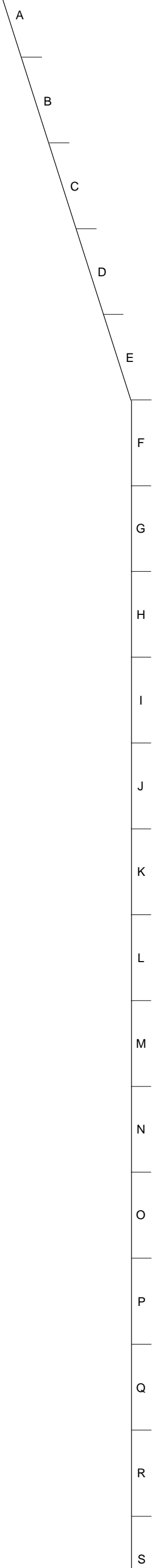




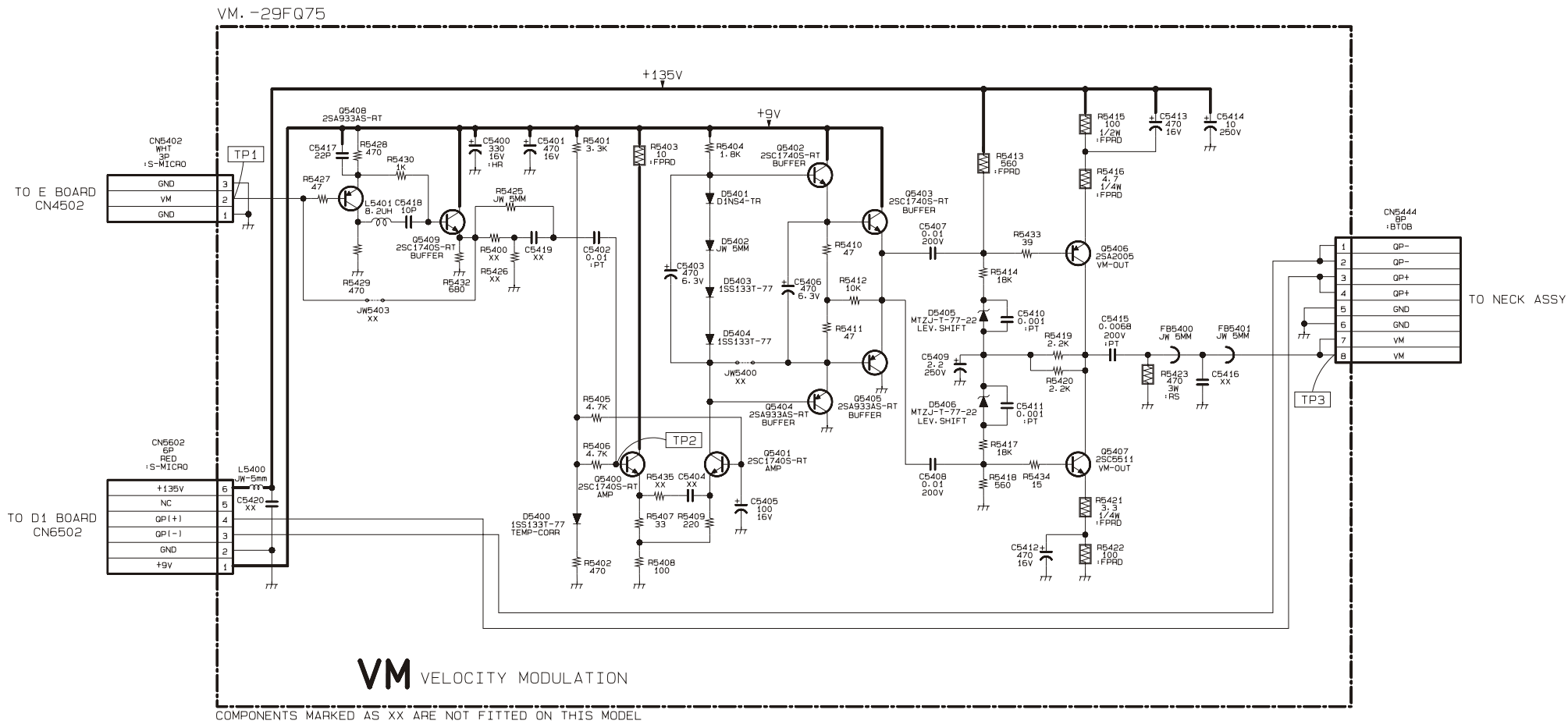
B3 (2/6)





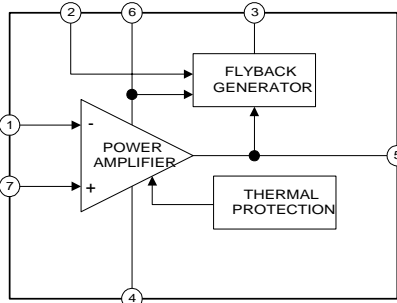




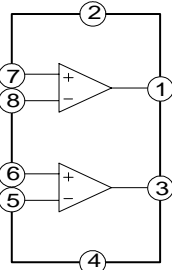


5-5. IC BLOCK DIAGRAMS

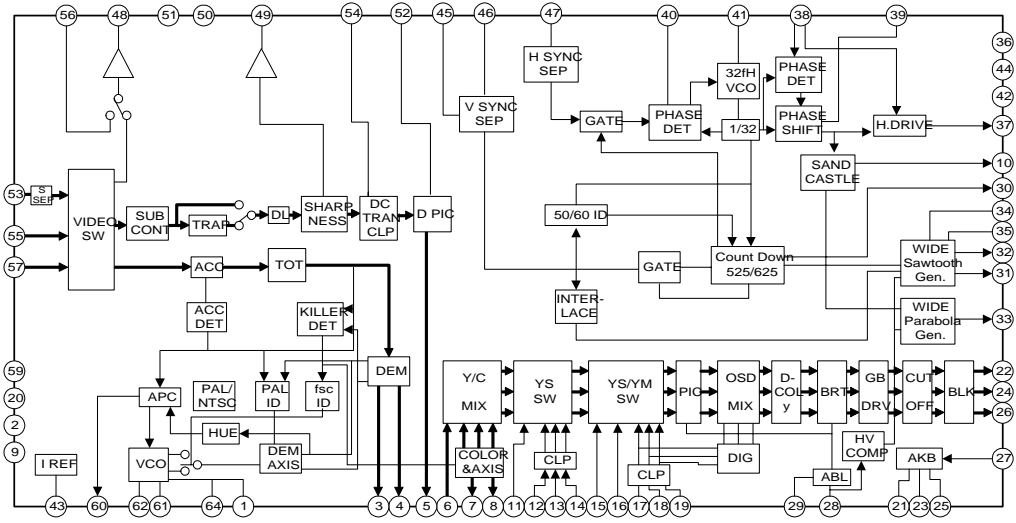
D BOARD IC6700 STV 9379



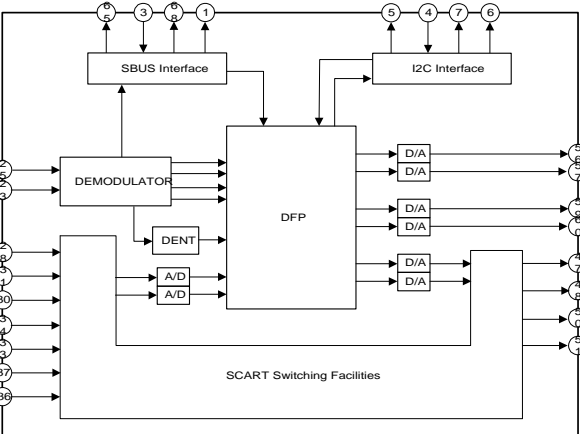
J BOARD IC8101 TDA2822D



E BOARD IC4301 CXA2100Q-TL

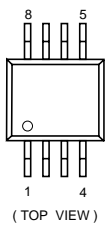


J BOARD IC8200 MSP3410D-QA-B4

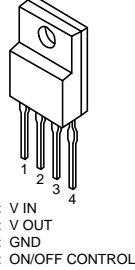


5-4 SEMICONDUCTORS

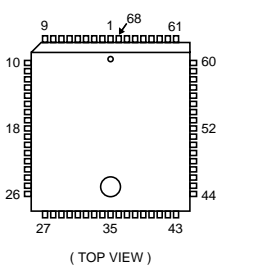
BA7046F
BA7046F-T1
LM393PS-E20
MB3793-42NF
MB3793-42NF-ER
NJM2240M
NJM2240M(T-E2)
NJM3404AD



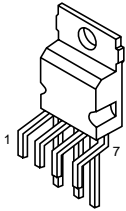
KA78R05TU
KA78R09TU
KA78R33TU



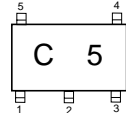
MSP3410D-QA-B4
SAA7185VP
SDA5273P-C134-GEG
SDA5275



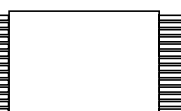
STV9379



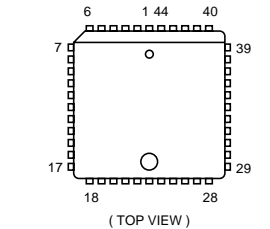
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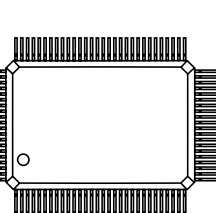
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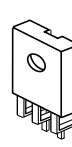
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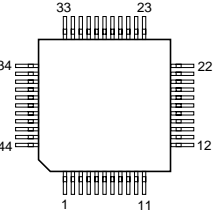
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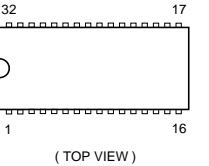
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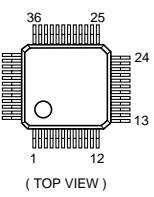
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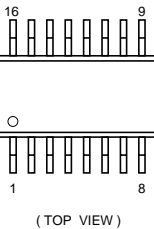
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TDA9144/N2
TDA9170T
MSM534031E3Y-Z



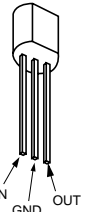
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CXA1875AM-T4
HE4094BT
MC14052BDR2
MC74F157ADR2
SN74LS221D
74HCT4046AD/S470



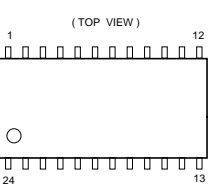
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LM78L12ACZ
L78L05ACZ-AP
L78L12ACZ-AP



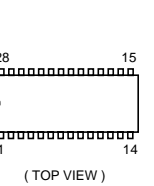
MB3793-42PNF-ER



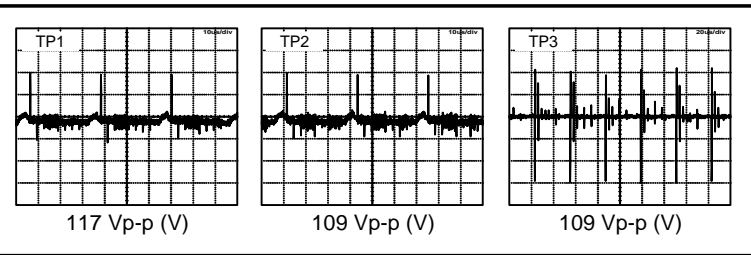
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CXD2053S

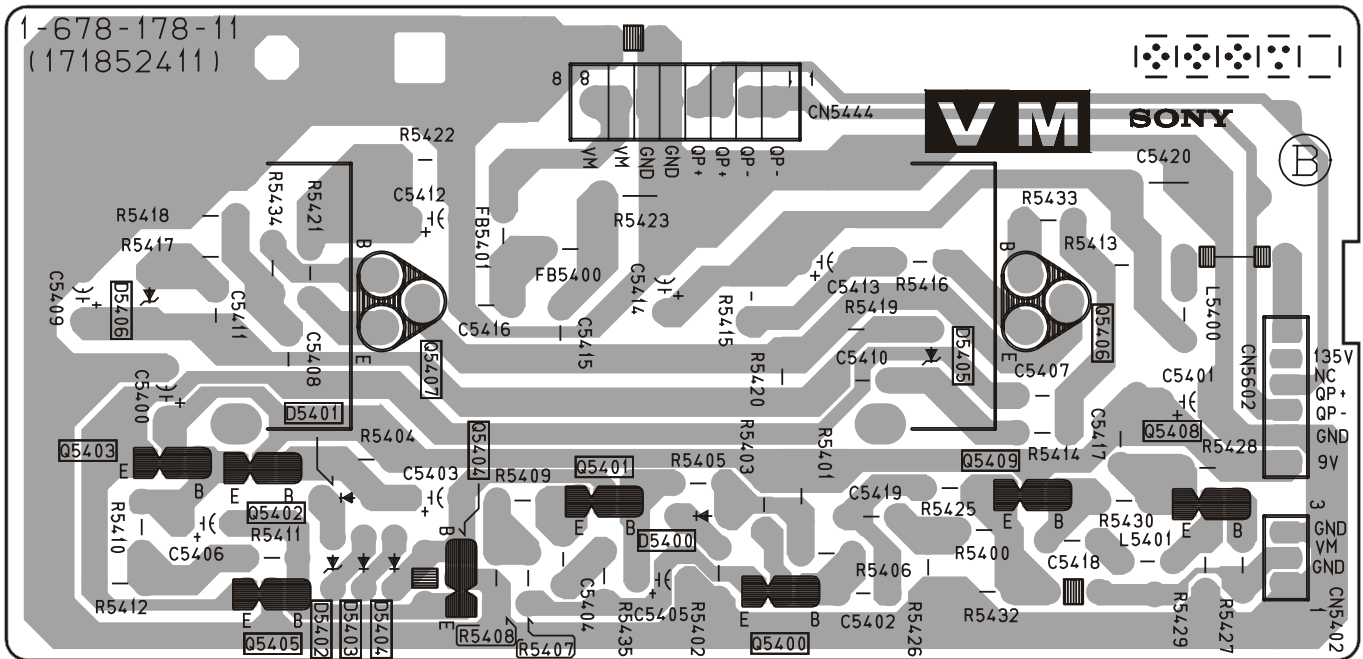


VM board Waveforms

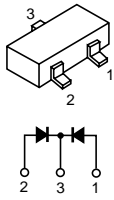


Semiconductor Voltage Table

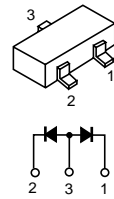
Ref	(e)	(b)	(c)
Q5400	0.9	1.5	9.0
Q5401	1.0	1.6	5.2
Q5402	6.0	6.6	9.0
Q5403	5.9	6.0	9.0
Q5404	5.2	5.9	0
Q5405	5.9	5.8	0
Q5406	135.1	134.6	68.2
Q5407	0.8	1.4	68.2
Q5408	7.6	6.9	1.4
Q5409	6.9	7.5	9.0



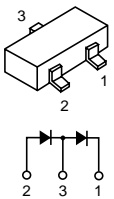
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DAN202K-T-146



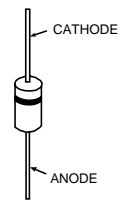
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DAP202K-T-146



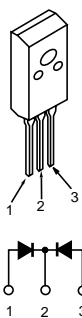
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DA204K-T-146



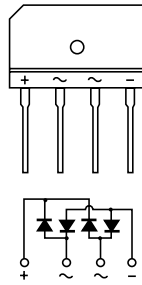
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D1NL20U-TR
D1NS4-TR
EGP20G
EL1Z
GP08D
GP08DPKG23
R2K-V1



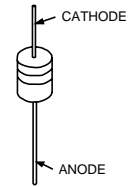
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D10SC6M



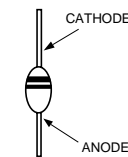
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D4SB60L-F
RBA-402L



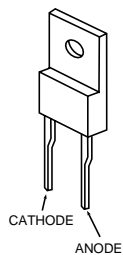
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ERA82-004TP1
GP08DPKG23
MTZJ-T-77-12
MTZJ-T-77-15
MTZJ-T-77-2.2A
MTZJ-T-77-3-3B
MTZJ-T-77-3.6A
MTZJ-T-77-4.7B
MTZJ-T-77-5.6B
MTZJ-T-77-6.8
MTZJ-T-77-7.5B



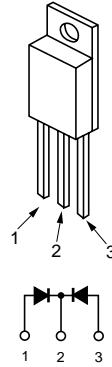
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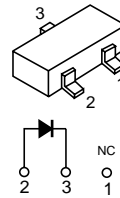
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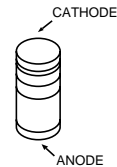
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ESAC39M-06CF38



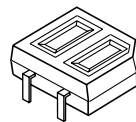
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MA3033L-TX
MA3056M-TX
MA3062M-TX
MA3030-H-(TX)



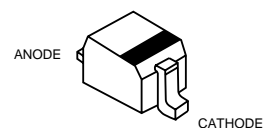
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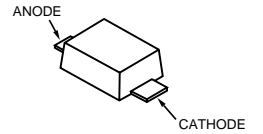
MA73-TX



1SS355TE-17
RD12SB2
UDZ-TE-17-3.9B
UDZ-TE-17-4.7B
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B
UDZ-TE-12B



UF4005PKG23



SECTION 6 EXPLODED VIEWS

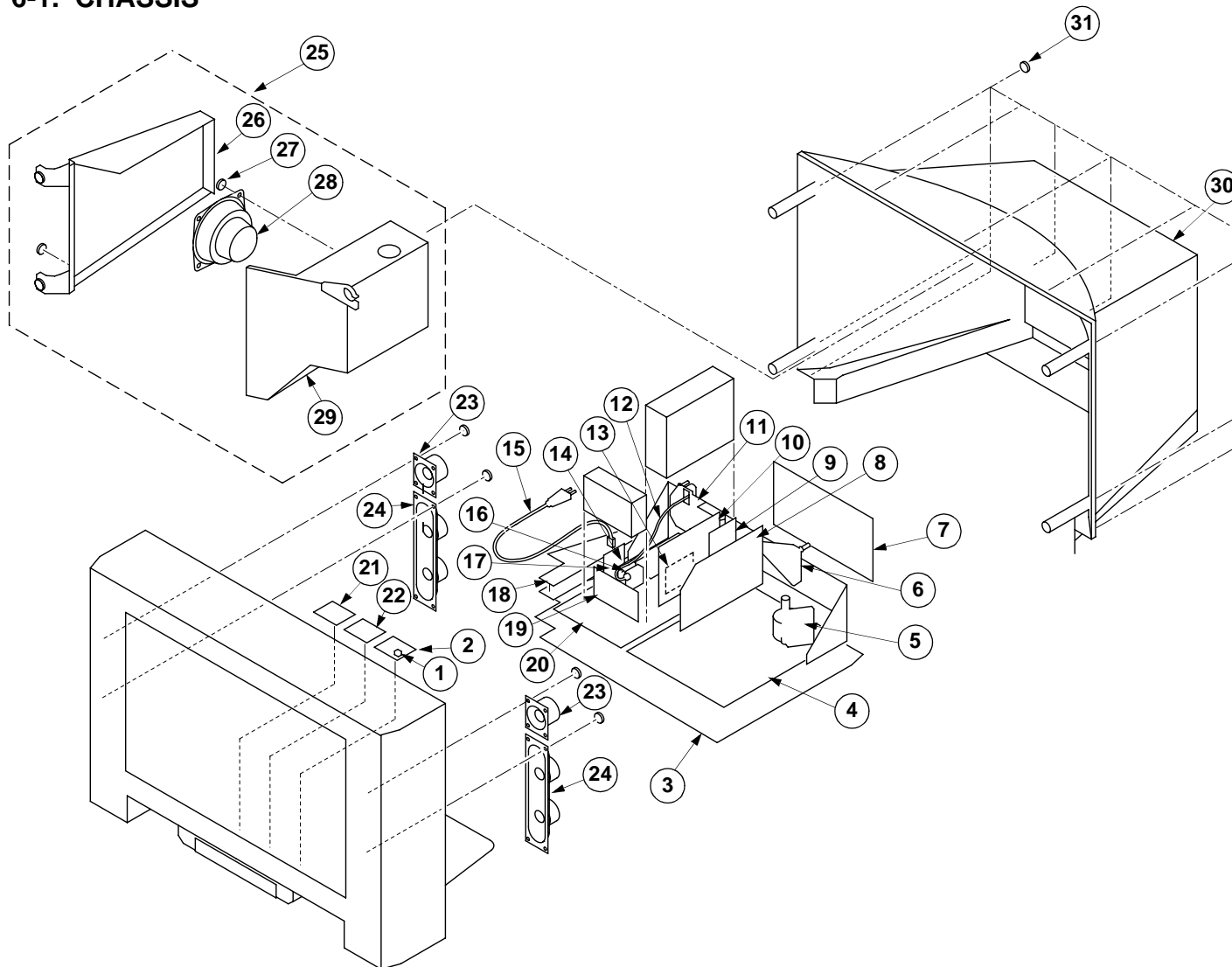
NOTE :

- 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.

6-1. CHASSIS



REF.NO. PART.NO DESCRIPTION REMARK

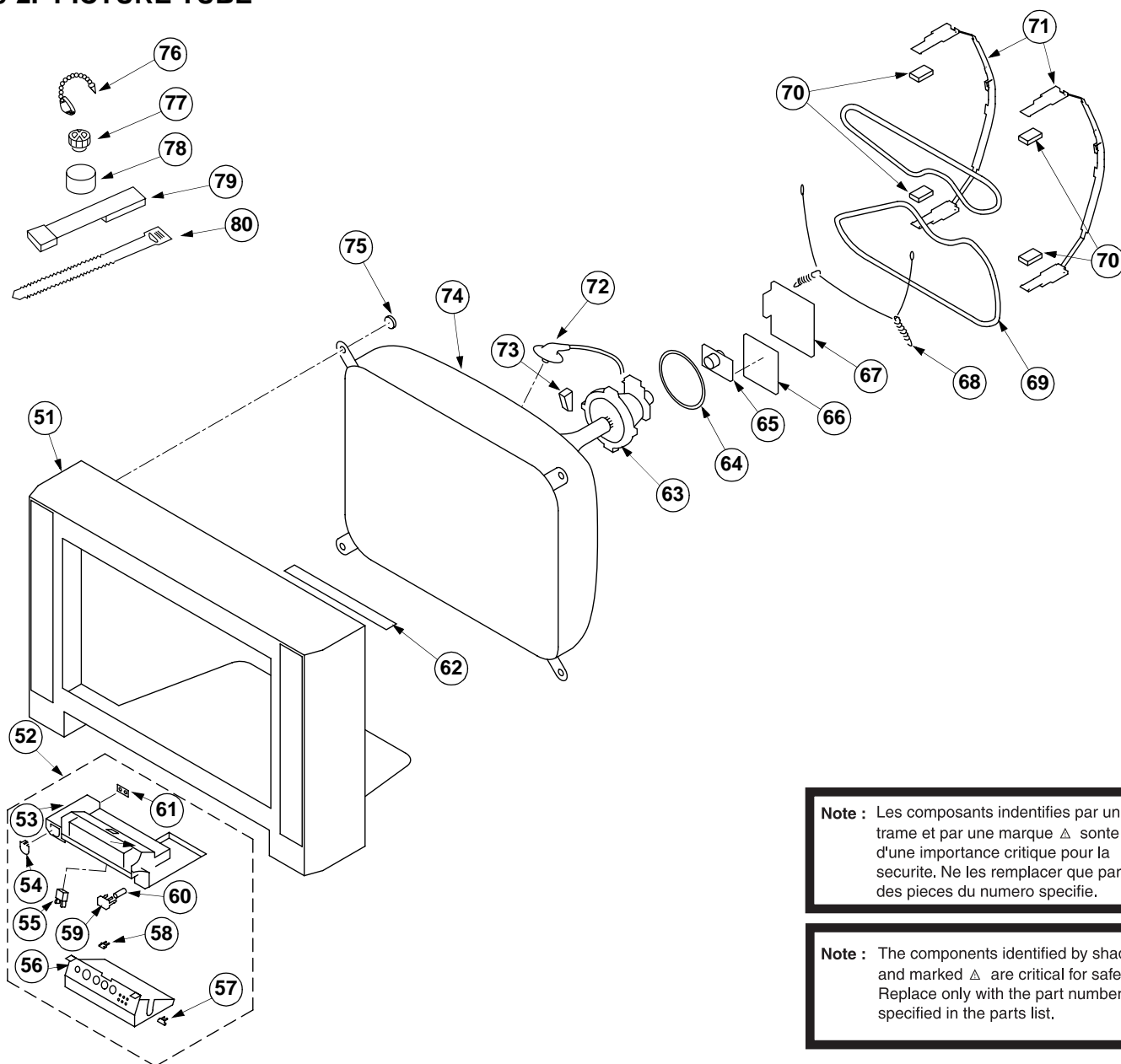
1	Δ 1-571-433-31	SWITCH, PUSH (AC POWER)	
2	*A-1624-085-A	F3 BOARD, COMPLETE	
3	*4-205-196-31	MAIN BRACKET (AE-5A)	
4	*A-1640-318-A	D BOARD, COMPLETE	
5	Δ 1-453-340-11	TRANSFORMER ASSY, FLYBACK (NX-4522//U)	
6	*4-204-476-03	BRACKET, J1	
7	*A-1651-133-A	J BOARD, COMPLETE	
8	*A-1640-380-A	D1 BOARD, COMPLETE	
9	*A-1640-381-A	E BOARD, COMPLETE	
10	*A-1620-129-A	B3 BOARD, COMPLETE	

REF.NO. PART.NO DESCRIPTION REMARK

11	*4-204-477-03	BRACKET, J2	
12	1-790-082-11	CABLE, RF	
13	*A-1620-128-A	BL BOARD, COMPLETE	
14	*1-555-716-51	CABLE, PIN	
15	Δ 1-792-389-11	CORD, POWER (WITH CONNECTOR)	
16	1-693-338-21	MAIN TUNER/VIF	
17	1-693-338-21	SUB TUNER/VIF	
18	*A-1624-086-A	F1 BOARD, COMPLETE	
19	*A-1634-054-A	M1 BOARD, COMPLETE	
20	*A-1631-094-A	A BOARD, COMPLETE	
21	*A-1646-210-A	H5 BOARD, COMPLETE	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
22	*A-1646-211-A	H6 BOARD, COMPLETE		27	7-685-663-71	SCREW + BVTP 4X16 TYPE IT-3	
23	1-542-437-11	TWEETER		28	1-529-417-11	SPEAKER (8CM)	
24	1-542-436-11	SPEAKER		29	4-204-776-01	BOX, WOOFER	
25	*A-1678-191-A	WOOFER ASSY (SP)	26-29	30	4-205-448-01	COVER, REAR	
26	4-204-775-01	BAFFLE, WOOFER		31	7-685-663-79	SCREW + BVTP 4X16 TYPE 2 IT-3	

6-2. PICTURE TUBE



Note : Les composants indentifiés 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.

REF. NO.	PART. NO	DESCRIPTION	REMARK	REF. NO.	PART. NO	DESCRIPTION	REMARK
51	X-4200-603-1	BEZNET ASSY		66	*A-1644-108-A	VM BOARD, COMPLETE	
52	A-1610-067-A	FRONT CONTROL ASSY	53-61	67	*A-1638-139-A	C BOARD, COMPLETE	
53	*4-205-460-01	BRACKET, CONTROL		68	4-369-318-21	SPRING, TENSION	
54	4-205-463-01	WINDOW, ORNAMENTAL		69	Δ 1-416-654-11	COIL, DEMAGNETIC	
55	4-047-464-01	CATCHER, PUSH		70	4-203-390-11	CUSHION, DGC	
56	*4-205-461-01	BRACKET DOOR		71	4-204-768-01	HOLDER, DGC (29")	
57	3-022-410-01	DAMPER		72	Δ 1-251-807-22	CAP ASSY, HIGH-VOLTAGE	
58	3-703-035-11	SHAFT, LID		73	3-704-495-01	SPACER, DY	
59	4-205-462-01	BUTTON, POWER		74	Δ 8-735-053-05	PICTURE TUBE (M68LNH060X)	
60	4-204-426-01	SPRING		75	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER	
61	4-205-464-01	GUIDE, LIGHT		76	4-308-870-00	CLIP, LEAD WIRE	
62	4-204-666-01	SHEET, BLOTTING		77	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
63	Δ 8-451-504-11	DEFLECTION YOKE (Y29RSC-S)		78	1-425-032-00	MAGNET, DISK; 10MM	
64	1-419-363-11	COIL, NA ROTATION		79	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
65	Δ 8-453-011-11	NECK ASSY, (NA299-M)		80	3-701-007-00	BAND, BINDING	

SECTION 7 ELECTRICAL PARTS LIST

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BL BOARD COMPLETE Parts List :	114
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F1 BOARD COMPLETE Parts List :	126
A BOARD COMPLETE Parts List :	126
M1 BOARD COMPLETE Parts List :	129
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D BOARD COMPLETE Parts List :	133
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E BOARD COMPLETE Parts List :	142
J BOARD COMPLETE Parts List :	144
VM BOARD COMPLETE Parts List :	151
MISCELLANEOUS :	152
ACCESSORIES AND PACKAGING MATERIALS :	152

Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)

Parts indicated (#) 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

*A-1624-085-A F3 Board, Complete

< CONNECTOR >

CN7700 Δ *1-695-292-11 PIN, CONNECTOR (POWER)

CN7733 Δ *1-580-844-11 PIN, CONNECTOR (POWER)

< SWITCH >

S7751 Δ 1-571-433-31 SWITCH, PUSH (AC POWER)

*A-1646-210-A H5 Board, Complete

< CAPACITOR >

C7900	1-101-810-00	CERAMIC	100PF	5.00%	500V
C7901	1-101-810-00	CERAMIC	100PF	5.00%	500V
C7925	1-137-372-11	MYLAR	0.022UF	5.00%	50V
C7926	1-137-372-11	MYLAR	0.022UF	5.00%	50V

< CONNECTOR >

CN7102	*1-564-518-11	PLUG, CONNECTOR 3P			
CN7103	*1-564-526-11	PLUG, CONNECTOR 11P			

< SOCKET >

J7900	1-794-442-11	TERMINAL BLOCK, S 3P			
J7925	1-785-448-11	JACK			

< COIL >

L7925	1-414-183-41	INDUCTOR	10UH		
L7926	1-414-183-41	INDUCTOR	10UH		

< RESISTOR >

R7100	1-249-425-11	CARBON	4.7K	5%	1/4W
R7101	1-249-429-11	CARBON	10K	5%	1/4W
R7102	1-249-421-11	CARBON	2.2K	5%	1/4W
R7103	1-249-429-11	CARBON	10K	5%	1/4W
R7104	1-249-425-11	CARBON	4.7K	5%	1/4W
R7105	1-249-421-11	CARBON	2.2K	5%	1/4W
R7900	1-535-303-00	LEAD, JUMPER (5.0MM)			
R7901	1-249-417-11	CARBON	1K	5%	1/4W
R7902	1-247-895-91	CARBON	470K	5%	1/4W
R7903	1-247-895-91	CARBON	470K	5%	1/4W
R7904	1-535-303-00	LEAD, JUMPER (5.0MM)			
R7905	1-249-417-11	CARBON	1K	5%	1/4W
R7906	1-535-303-00	LEAD, JUMPER (5.0MM)			

REF.NO.

PART.NO

DESCRIPTION

REMARK

< SWITCH >

S7100	1-771-947-11	SWITCH, TACTILE			
S7101	1-771-947-11	SWITCH, TACTILE			
S7102	1-771-947-11	SWITCH, TACTILE			

*A-1646-211-A H6 Board, Complete

< CAPACITOR >

C7150	1-126-969-11	ELECT	220UF	20.00%	50V
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< CONNECTOR >

CN7100	*1-564-519-11	PLUG, CONNECTOR 4P			
--------	---------------	--------------------	--	--	--

< DIODE >

D7150	8-719-030-11	DIODE SLA-570KT3F			
	*4-203-258-11	HOLDER, LED (D7150)			

< IC >

IC7150	8-749-014-59	IC TSOP1740KS1			
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< RESISTOR >

R7150	1-247-815-91	CARBON	220	5%	1/4W
R7151	1-249-411-11	CARBON	330	5%	1/4W

*A-1620-128-A BL Board, Complete

< CAPACITOR >

C2300	1-164-222-11	CERAMIC CHIP 0.22UF			25V
C2301	1-164-222-11	CERAMIC CHIP 0.22UF			25V
C2302	1-164-222-11	CERAMIC CHIP 0.22UF			25V
C2303	1-164-222-11	CERAMIC CHIP 0.22UF			25V
C2304	1-164-222-11	CERAMIC CHIP 0.22UF			25V
C2305	1-104-664-11	ELECT	47UF	20.00%	16V
C2306	1-104-664-11	ELECT	47UF	20.00%	16V
C2307	1-104-664-11	ELECT	47UF	20.00%	16V
C2308	1-126-933-11	ELECT	100UF	20.00%	16V
C2309	1-163-038-91	CERAMIC CHIP 0.1UF			25V
C2310	1-163-038-91	CERAMIC CHIP 0.1UF			25V
C2311	1-163-259-91	CERAMIC CHIP 220PF		5.00%	50V
C2312	1-163-259-91	CERAMIC CHIP 220PF		5.00%	50V
C2313	1-163-259-91	CERAMIC CHIP 220PF		5.00%	50V
C2314	1-163-259-91	CERAMIC CHIP 220PF		5.00%	50V
C2317	1-163-038-91	CERAMIC CHIP 0.1UF			25V
C2320	1-104-664-11	ELECT	47UF	20.00%	16V
C2321	1-104-664-11	ELECT	47UF	20.00%	16V
C2322	1-104-664-11	ELECT	47UF	20.00%	16V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C2323	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2533	1-126-964-11	ELECT 10UF	20.00% 50V
C2324	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2535	1-104-664-11	ELECT 47UF	20.00% 16V
C2325	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2536	1-104-664-11	ELECT 47UF	20.00% 16V
C2326	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	C2537	1-104-664-11	ELECT 47UF	20.00% 16V
C2327	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	C2538	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2328	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	C2539	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2329	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2540	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C2330	1-104-664-11	ELECT 47UF	20.00% 16V	C2541	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C2331	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2542	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V
C2332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2543	1-163-133-00	CERAMIC CHIP 470PF	5.00% 50V
C2338	1-104-664-11	ELECT 47UF	20.00% 16V	C2544	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C2342	1-104-664-11	ELECT 47UF	20.00% 16V	C2545	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V
C2344	1-104-664-11	ELECT 47UF	20.00% 16V	C2546	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2347	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2547	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C2348	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2548	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C2349	1-104-664-11	ELECT 47UF	20.00% 16V	C2550	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C2350	1-104-664-11	ELECT 47UF	20.00% 16V	C2551	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2351	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C2552	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2352	1-104-664-11	ELECT 47UF	20.00% 16V	C2553	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C2353	1-163-237-11	CERAMIC CHIP 27PF	5.00% 50V	C2567	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2355	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2572	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2501	1-126-964-11	ELECT 10UF	20.00% 50V	C2586	1-126-767-91	ELECT 1000UF	20.00% 16V
C2502	1-126-964-11	ELECT 10UF	20.00% 50V	C2587	1-107-693-91	ELECT 10UF	20.00% 16V
C2504	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V	< CONNECTOR >			
C2505	1-163-255-11	CERAMIC CHIP 150PF	5.00% 50V	CN2301	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
C2506	1-163-253-11	CERAMIC CHIP 120PF	5.00% 50V	< DIODE >			
C2507	1-163-253-11	CERAMIC CHIP 120PF	5.00% 50V	D2502	8-719-914-43	DIODE DAN202K	
C2508	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	D2503	8-719-914-43	DIODE DAN202K-T-146	
C2509	1-126-968-11	ELECT 100UF	20.00% 50V	D2504	8-719-914-43	DIODE DAN202K	
C2510	1-126-968-11	ELECT 100UF	20.00% 50V	< DELAY LINE >			
C2511	1-165-319-11	CERAMIC CHIP 0.1UF	50V	DL2501	1-234-515-11	FILTER, LOW PASS	
C2512	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	DL2502	1-234-515-11	FILTER, LOW PASS	
C2513	1-165-319-11	CERAMIC CHIP 0.1UF	50V	< FILTER >			
C2515	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	FL2300	1-234-479-11	FILTER, LOW PASS	
C2516	1-126-964-11	ELECT 10UF	20.00% 50V	FL2301	1-236-071-11	ENCAPSULATED COMPONENT	
C2518	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	FL2501	1-234-515-11	FILTER, LOW PASS	
C2519	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	< IC >			
C2521	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	IC2301	8-752-067-36	IC CXA1815S	
C2522	1-126-967-11	ELECT 47UF	20.00% 50V	IC2501	8-759-710-86	IC NJM2233BM(Te2)	
C2523	1-165-319-11	CERAMIC CHIP 0.1UF	50V	IC2502	8-759-190-29	IC BA7655AF-E1	
C2524	1-126-964-11	ELECT 10UF	20.00% 50V	IC2503	8-759-710-24	IC NJM319M-TE2	
C2525	1-126-964-11	ELECT 10UF	20.00% 50V	IC2504	8-759-708-05	IC TA78L005AP-TPE6	
C2526	1-126-964-11	ELECT 10UF	20.00% 50V				
C2528	1-165-319-11	CERAMIC CHIP 0.1UF	50V				
C2529	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V				
C2530	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V				
C2531	1-165-319-11	CERAMIC CHIP 0.1UF	50V				



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
IC2505	8-752-072-94	IC CXA1875AM-T4		Q2338	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
	< COIL >			Q2339	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR	
L2300	1-414-183-41	INDUCTOR	10UH	Q2340	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2301	1-410-435-21	INDUCTOR	220UH	Q2341	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2302	1-410-435-21	INDUCTOR	220UH	Q2342	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR	
L2303	1-410-427-11	INDUCTOR	47UH				
L2321	1-216-295-91	SHORT	0	Q2344	8-729-920-75	TRANSISTOR 2SC2412K-T-146-QR	
L2322	1-216-295-91	SHORT	0	Q2345	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2323	1-216-295-91	SHORT	0	Q2501	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2501	1-535-303-00	LEAD, JUMPER	(5.0MM)	Q2502	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
L2502	1-535-303-00	LEAD, JUMPER	(5.0MM)	Q2503	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2503	1-410-426-11	INDUCTOR	39UH				
L2504	1-410-431-11	INDUCTOR	100UH	Q2504	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2505	1-410-431-11	INDUCTOR	100UH	Q2505	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2506	1-408-615-31	INDUCTOR	100UH	Q2506	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2507	1-408-615-31	INDUCTOR	100UH	Q2507	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2508	1-408-605-21	INDUCTOR	15UH	Q2508	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L2509	1-410-419-21	INDUCTOR	10UH				
L2510	1-535-303-00	LEAD, JUMPER	(5.0MM)	Q2509	8-729-902-21	TRANSISTOR 2SC2412K-T-146-QR	
L2512	1-535-303-00	LEAD, JUMPER	(5.0MM)	Q2510	8-729-902-21	TRANSISTOR 2SC2412K-T-146-QR	
	< TRANSISTOR >			Q2511	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2300	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2512	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2301	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2513	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR					
Q2306	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2514	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2307	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2515	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2308	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2516	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2309	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2517	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2316	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2518	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2318	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R					
Q2319	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2519	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2320	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2520	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2322	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2521	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2323	1-801-806-11	TRANSISTOR DTC144EKA-T146		Q2522	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2324	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2523	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2325	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR					
Q2326	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2524	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2327	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		Q2525	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2331	8-729-920-75	TRANSISTOR 2SC2412K-T-146-QR		Q2526	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2332	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR		Q2527	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2333	8-729-920-75	TRANSISTOR 2SC2412K-T-146-QR		Q2528	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2334	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR					
Q2335	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR		Q2529	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q2336	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		Q2530	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
Q2337	8-729-120-75	TRANSISTOR 2SC2412K-T-146-QR		Q2531	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2532	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2533	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2534	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
				Q2555	8-729-920-21	TRANSISTOR 2SA1037K-T-146-R	
				Q2566	8-729-920-21	TRANSISTOR 2SA1037K-T-146-R	
				Q2568	8-729-920-75	TRANSISTOR 2SC2412K-T-146-R	
				Q2571	8-729-920-21	TRANSISTOR 2SA1037K-T-146-R	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< RESISTOR >				R2355	1-216-017-91	RES-CHIP	47 5% 1/10W
R2301	1-216-017-91	RES-CHIP	47 5% 1/10W	R2356	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2302	1-216-043-91	RES-CHIP	560 5% 1/10W	R2357	1-216-017-91	RES-CHIP	47 5% 1/10W
R2303	1-216-045-00	RES-CHIP	680 5% 1/10W	R2358	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2304	1-216-045-00	RES-CHIP	680 5% 1/10W	R2359	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R2305	1-216-047-91	RES-CHIP	820 5% 1/10W	R2360	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R2306	1-216-037-00	RES-CHIP	330 5% 1/10W	R2361	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R2307	1-216-037-00	RES-CHIP	330 5% 1/10W	R2362	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R2308	1-535-143-21	LEAD, JUMPER (12.5MM)		R2364	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2309	1-535-143-21	LEAD, JUMPER (12.5MM)		R2366	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2310	1-216-671-91	METAL CHIP	6.8K 0.5% 1/10W	R2367	1-216-041-00	RES-CHIP	470 5% 1/10W
R2311	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R2368	1-216-039-00	RES-CHIP	390 5% 1/10W
R2312	1-216-671-91	METAL FILM	6.8K 0.5% 1/10W	R2369	1-216-037-00	RES-CHIP	330 5% 1/10W
R2315	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R2370	1-216-651-91	METAL CHIP	1K 0.5% 1/10W
R2316	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W	R2371	1-216-662-91	METAL CHIP	3K 0.5% 1/10W
R2317	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2372	1-216-071-91	RES-CHIP	8.2K 5% 1/10W
R2318	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2373	1-216-651-91	METAL CHIP	1K 0.5% 1/10W
R2321	1-216-041-00	RES-CHIP	470 5% 1/10W	R2374	1-216-662-91	RES-CHIP	3K 0.5% 1/10W
R2322	1-216-041-00	RES-CHIP	470 5% 1/10W	R2375	1-216-071-91	RES-CHIP	8.2K 5% 1/10W
R2323	1-216-041-00	RES-CHIP	470 5% 1/10W	R2383	1-216-295-91	SHORT	0
R2325	1-216-025-91	RES-CHIP	100 5% 1/10W	R2385	1-216-025-91	RES-CHIP	100 5% 1/10W
R2329	1-216-025-91	RES-CHIP	100 5% 1/10W	R2386	1-216-643-91	METAL CHIP	470 0.5% 1/10W
R2330	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2387	1-216-649-91	METAL CHIP	820 0.5% 1/10W
R2331	1-216-025-91	RES-CHIP	100 5% 1/10W	R2389	1-216-081-00	RES-CHIP	22K 5% 1/10W
R2332	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2390	1-216-081-00	RES-CHIP	22K 5% 1/10W
R2333	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2391	1-216-041-00	RES-CHIP	470 5% 1/10W
R2334	1-216-017-91	RES-CHIP	47 5% 1/10W	R2392	1-216-025-91	RES-CHIP	100 5% 1/10W
R2335	1-216-017-91	RES-CHIP	47 5% 1/10W	R2393	1-216-643-91	METAL CHIP	470 0.5% 1/10W
R2336	1-216-017-91	RES-CHIP	47 5% 1/10W	R2394	1-216-651-91	METAL CHIP	1K 0.5% 1/10W
R2337	1-216-017-91	RES-CHIP	47 5% 1/10W	R2397	1-216-081-00	RES-CHIP	22K 5% 1/10W
R2338	1-216-017-91	RES-CHIP	47 5% 1/10W	R2398	1-216-081-00	RES-CHIP	22K 5% 1/10W
R2339	1-216-017-91	RES-CHIP	47 5% 1/10W	R2399	1-216-041-00	RES-CHIP	470 5% 1/10W
R2340	1-216-017-91	RES-CHIP	47 5% 1/10W	R2400	1-216-025-91	RES-CHIP	100 5% 1/10W
R2341	1-216-017-91	RES-CHIP	47 5% 1/10W	R2401	1-216-081-00	RES-CHIP	22K 5% 1/10W
R2342	1-216-025-91	RES-CHIP	100 5% 1/10W	R2402	1-216-089-91	RES-CHIP	47K 5% 1/10W
R2343	1-216-025-91	RES-CHIP	100 5% 1/10W	R2403	1-216-041-00	RES-CHIP	470 5% 1/10W
R2344	1-216-017-91	RES-CHIP	47 5% 1/10W	R2404	1-216-041-00	RES-CHIP	470 5% 1/10W
R2345	1-216-017-91	RES-CHIP	47 5% 1/10W	R2407	1-216-041-00	RES-CHIP	470 5% 1/10W
R2346	1-216-017-91	RES-CHIP	47 5% 1/10W	R2408	1-216-295-91	SHORT	0
R2347	1-216-017-91	RES-CHIP	47 5% 1/10W	R2411	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2348	1-216-017-91	RES-CHIP	47 5% 1/10W	R2413	1-216-641-11	METAL CHIP	390 0.5% 1/10W
R2350	1-216-017-91	RES-CHIP	47 5% 1/10W	R2414	1-216-295-91	SHORT	0
R2351	1-216-025-91	RES-CHIP	100 5% 1/10W	R2415	1-216-647-11	METAL CHIP	680 0.5% 1/10W
R2352	1-216-025-91	RES-CHIP	100 5% 1/10W	R2418	1-216-025-91	RES-CHIP	100 5% 1/10W
R2353	1-216-049-91	RES-CHIP	1K 5% 1/10W	R2421	1-216-049-91	RES-CHIP	1K 5% 1/10W
R2354	1-216-017-91	RES-CHIP	47 5% 1/10W	R2422	1-216-295-91	SHORT	0
				R2423	1-216-029-00	RES-CHIP	150 5% 1/10W



REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R2424	1-216-039-00	RES-CHIP	390	5%	1/10W	R2545	1-216-623-91	METAL CHIP	68	0.5%	1/10W
R2425	1-216-041-00	RES-CHIP	470	5%	1/10W	R2546	1-216-655-91	METAL CHIP	1.5K	0.5%	1/10W
R2426	1-216-035-00	RES-CHIP	270	5%	1/10W	R2547	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R2427	1-216-035-00	RES-CHIP	270	5%	1/10W	R2548	1-216-645-91	METAL CHIP	560	0.5%	1/10W
R2428	1-216-045-00	RES-CHIP	680	5%	1/10W	R2549	1-216-623-91	METAL CHIP	68	0.5%	1/10W
R2432	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R2551	1-216-655-91	METAL CHIP	1.5K	0.5%	1/10W
R2436	1-216-025-91	RES-CHIP	100	5%	1/10W	R2552	1-216-615-91	METAL CHIP	33	0.5%	1/10W
R2437	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R2553	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2501	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2554	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R2502	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W	R2555	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2503	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W	R2556	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2504	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2557	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R2505	1-216-649-11	METAL CHIP	820	0.5%	1/10W	R2558	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2506	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R2559	1-216-657-91	METAL CHIP	1.8K	0.5%	1/10W
R2507	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2560	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2508	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2561	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R2510	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2562	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R2511	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	R2563	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R2512	1-216-085-00	RES-CHIP	33K	5%	1/10W	R2564	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R2513	1-216-637-11	METAL CHIP	270	0.5%	1/10W	R2565	1-216-657-91	METAL CHIP	1.8K	0.5%	1/10W
R2514	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R2566	1-216-648-11	METAL CHIP	750	0.5%	1/10W
R2515	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2567	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2516	1-216-649-11	METAL CHIP	820	0.5%	1/10W	R2568	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R2517	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2569	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R2518	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2570	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2519	1-216-643-11	METAL CHIP	470	0.5%	1/10W	R2571	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R2521	1-216-651-11	METAL CHIP	1K	0.5%	1/10W	R2572	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W
R2522	1-216-025-91	RES-CHIP	100	5%	1/10W	R2573	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W
R2523	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2574	1-216-295-91	SHORT	0		
R2525	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2575	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R2526	1-216-033-00	RES-CHIP	220	5%	1/10W	R2576	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R2528	1-216-033-00	RES-CHIP	220	5%	1/10W	R2577	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2529	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R2578	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2530	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2579	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R2531	1-216-631-11	METAL CHIP	150	0.5%	1/10W	R2580	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2532	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2581	1-216-643-11	METAL CHIP	470	0.5%	1/10W
R2534	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2582	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2535	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2583	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2536	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W	R2584	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2537	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R2585	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2538	1-216-645-11	METAL CHIP	560	0.5%	1/10W	R2586	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2539	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R2587	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2540	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2588	1-216-645-11	METAL CHIP	560	0.5%	1/10W
R2541	1-216-653-11	METAL CHIP	1.2K	0.5%	1/10W	R2589	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2542	1-216-647-11	METAL CHIP	680	0.5%	1/10W	R2590	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R2543	1-216-647-11	METAL CHIP	680	0.5%	1/10W	R2591	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2544	1-216-645-91	METAL CHIP	560	0.5%	1/10W	R2592	1-216-645-11	METAL CHIP	560	0.5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R2593	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	C325	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2594	1-216-643-11	METAL CHIP	470 0.5% 1/10W	C327	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2611	1-216-641-11	METAL CHIP	390 0.5% 1/10W	C330	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2614	1-216-665-11	METAL CHIP	3.9K 0.5% 1/10W	C331	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2615	1-216-657-11	METAL CHIP	1.8K 0.5% 1/10W	C332	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2617	1-216-641-11	METAL CHIP	390 0.5% 1/10W	C333	1-216-295-91	SHORT 0	
R2620	1-216-073-91	RES-CHIP	10K 5% 1/10W	C337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2621	1-216-033-91	RES-CHIP	220 5% 1/10W	C338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2640	1-216-641-11	METAL CHIP	390 0.5% 1/10W	C339	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R2644	1-216-069-91	RES-CHIP	6.8K 5% 1/10W	C340	1-163-038-91	CERAMIC CHIP 0.1UF	25V
R2649	1-216-641-11	METAL CHIP	390 0.5% 1/10W	C341	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2661	1-216-665-11	METAL CHIP	3.9K 0.5% 1/10W	C346	1-163-038-91	CERAMIC CHIP 0.1UF	25V
R2662	1-216-657-11	METAL CHIP	1.8K 0.5% 1/10W	C347	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2664	1-216-641-11	METAL CHIP	390 0.5% 1/10W	C349	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2666	1-216-069-91	RES-CHIP	6.8K 5% 1/10W	C350	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
R2676	1-216-295-91	SHORT	0	C353	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
R2678	1-216-295-91	SHORT	0	C354	1-104-601-11	ELECT CHIP 10UF	20.00% 10V
R2680	1-216-665-11	METAL CHIP	3.9K 0.5% 1/10W	C355	1-104-601-11	ELECT CHIP 10UF	20.00% 10V
R2681	1-216-657-11	METAL CHIP	1.8K 0.5% 1/10W	C357	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2684	1-216-639-91	METAL CHIP	330 0.5% 1/10W	C358	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2687	1-216-049-91	RES-CHIP	1K 5% 1/10W	C359	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2688	1-216-295-91	SHORT	0	C360	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
R2691	1-216-295-91	SHORT	0	C361	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
R2692	1-216-295-91	SHORT	0	C362	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
R2698	1-216-295-91	SHORT	0	C363	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
R2699	1-216-295-91	SHORT	0	C501	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
*A-1620-129-A B3 Board, Complete				C502	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
< CAPACITOR >				C503	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C302	1-104-601-11	ELECT CHIP 10UF	20.00% 10V	C505	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C305	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C507	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C306	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C509	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C309	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C510	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C310	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C511	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C312	1-163-275-11	CERAMIC CHIP 0.001UF	5.00% 50V	C512	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C313	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C514	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C314	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C515	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C315	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C516	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C316	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C517	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C317	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C518	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C318	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C519	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C319	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C520	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C320	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C521	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C321	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C522	1-163-038-91	CERAMIC CHIP 0.1UF	25V
C323	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C523	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C324	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C524	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
				C525	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
				C526	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C527	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C626	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C528	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C627	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C530	1-216-295-91	SHORT 0		C628	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C532	1-216-295-91	SHORT 0		C629	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C534	1-216-295-91	SHORT 0		C630	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C538	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C631	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C539	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C632	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C540	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C633	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C542	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C634	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C543	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C635	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C545	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C636	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C546	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C637	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C548	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C638	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C549	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	C639	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C550	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C640	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C551	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C642	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C554	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C643	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C555	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C644	1-126-603-11	ELECT CHIP 4.7UF	20.00% 35V
C556	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V	C645	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C557	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C646	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C559	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C801	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C560	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C802	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C601	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	C803	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C602	1-126-394-11	ELECT CHIP 10UF	20.00% 16V	C804	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C603	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C806	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C604	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C807	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C605	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C808	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C606	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C809	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C607	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C810	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C608	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C811	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C609	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C610	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C813	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C611	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C814	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C612	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C815	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C613	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C816	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C614	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C817	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C615	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C818	1-163-229-11	CERAMIC CHIP 12PF	5.00% 50V
C616	1-126-396-11	ELECT CHIP 47UF	20.00% 16V	C819	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C617	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C820	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C618	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C821	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C619	1-163-038-91	CERAMIC CHIP 0.1UF	25V	C822	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C620	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C823	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C621	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C824	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C622	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C825	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C623	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C826	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C624	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C827	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C625	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C829	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C834	1-163-038-91	CERAMIC CHIP 0.1UF	25V	FL504	1-234-177-21	FILTER, CHIP EMI	
C835	1-163-038-91	CERAMIC CHIP 0.1UF	25V	FL505	1-234-177-21	FILTER, CHIP EMI	
C837	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL506	1-234-177-21	FILTER, CHIP EMI	
C839	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL508	1-234-177-21	FILTER, CHIP EMI	
C840	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V	FL509	1-234-177-21	FILTER, CHIP EMI	
C841	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL510	1-234-177-21	FILTER, CHIP EMI	
C842	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL511	1-234-177-21	FILTER, CHIP EMI	
C843	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL512	1-234-177-21	FILTER, CHIP EMI	
C844	1-163-038-91	CERAMIC CHIP 0.1UF	25V	FL601	1-234-177-21	FILTER, CHIP EMI	
C848	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	FL602	1-234-177-21	FILTER, CHIP EMI	
C849	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL603	1-234-177-21	FILTER, CHIP EMI	
C850	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL606	1-239-560-11	FILTER, CHIP EMI	
C851	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL801	1-234-177-21	FILTER, CHIP EMI	
C852	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL802	1-234-177-21	FILTER, CHIP EMI	
C901	1-163-038-91	CERAMIC CHIP 0.1UF	25V	FL803	1-234-177-21	FILTER, CHIP EMI	
C902	1-163-038-91	CERAMIC CHIP 0.1UF	25V	FL804	1-234-177-21	FILTER, CHIP EMI	
C903	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL805	1-234-177-21	FILTER, CHIP EMI	
C904	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	FL806	1-234-177-21	FILTER, CHIP EMI	
C905	1-109-982-11	CERAMIC CHIP 1UF	10.00% 10V	FL807	1-234-177-21	FILTER, CHIP EMI	
C906	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	FL808	1-234-177-21	FILTER, CHIP EMI	
C907	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	FL810	1-234-177-21	FILTER, CHIP EMI	
< CONNECTOR >				FL901	1-234-509-21	FILTER, LOW PASS	
CN502	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P		FL902	1-233-876-11	FILTER, LOW PASS	
< DIODE >				FL903	1-233-876-11	FILTER, LOW PASS	
D301	8-719-041-97	DIODE MA113-(TX)		FL904	1-234-177-21	FILTER, CHIP EMI	
D302	8-719-041-97	DIODE MA113-(TX)		FL905	1-234-177-21	FILTER, CHIP EMI	
D501	8-719-422-12	DIODE UDZ-TE-17-3.9B		< IC >			
< FERRITE BEAD >				IC302	8-759-388-99	IC MSM65P355-018D-GS-BK	
FB501	1-414-813-11	FERRITE 0UH		IC303	8-752-088-27	IC CXA3266Q-T6	
FB502	1-414-813-11	FERRITE 0UH		IC304	8-759-285-51	IC PC74HC00D-T	
FB503	1-414-813-11	FERRITE 0UH		IC305	8-759-037-79	IC SN74HC163ANS	
FB504	1-414-813-11	FERRITE 0UH		IC306	8-759-037-79	IC SN74HC163ANS	
FB601	1-414-553-11	FERRITE 0UH		IC307	8-759-084-79	IC TC7S14F(T85R)	
FB801	1-414-553-11	FERRITE 0UH		IC308	8-759-084-79	IC TC7S14F(T85R)	
FB802	1-414-553-11	FERRITE 0UH		IC309	8-759-640-16	IC TC7SET04F(T85R)	
< FILTER >				IC310	8-759-285-52	IC PC74HC02D-T	
FL304	1-234-177-21	FILTER, CHIP EMI		IC311	8-759-708-05	IC TA78L005AP-TPE6	
FL305	1-234-177-21	FILTER, CHIP EMI		IC501	8-759-447-90	IC TLC5733AIPM	
FL306	1-239-558-11	FILTER, CHIP EMI		IC504	8-759-430-32	IC TLC2933IPWR	
FL501	1-233-877-11	FILTER, LOW PASS		IC505	8-759-640-16	IC TC7SET04F(T85R)	
FL502	1-233-504-21	FILTER, LOW PASS		IC506	8-759-640-16	IC TC7SET04F(T85R)	
FL503	1-233-504-21	FILTER, LOW PASS		IC601	8-752-398-47	IC CXD2090Q	
				IC602	8-759-567-37	IC MB81F161622B-80FN	
				IC603	8-759-295-09	IC TLC2932IPW-E20	
				IC604	8-752-072-94	IC CXA1875AM-T4	
				IC801	8-759-592-40	IC CXD9509Q	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
IC802	8-759-595-53	IC MB81F643242B-10FN		Q909	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
IC901	8-752-369-84	IC CXD2309Q-T6					
	< COIL >				< RESISTOR >		
L302	1-412-029-11	INDUCTOR CHIP 10UH		R302	1-216-013-00	RES-CHIP 33 5% 1/10W	
L303	1-412-029-11	INDUCTOR CHIP 10UH		R303	1-216-667-11	METAL CHIP 4.7K 0.5% 1/10W	
L501	1-412-026-11	INDUCTOR CHIP 1UH		R305	1-216-049-91	RES-CHIP 1K 5% 1/10W	
L502	1-412-026-11	INDUCTOR CHIP 1UH		R306	1-216-658-11	METAL CHIP 2K 0.5% 1/10W	
L503	1-412-026-11	INDUCTOR CHIP 1UH		R309	1-216-009-91	RES-CHIP 22 5% 1/10W	
L504	1-412-026-11	INDUCTOR CHIP 1UH		R310	1-216-009-91	RES-CHIP 22 5% 1/10W	
L505	1-412-029-11	INDUCTOR CHIP 10UH		R311	1-216-009-91	RES-CHIP 22 5% 1/10W	
L506	1-412-026-11	INDUCTOR CHIP 1UH		R313	1-216-009-91	RES-CHIP 22 5% 1/10W	
L508	1-412-029-11	INDUCTOR CHIP 10UH		R316	1-216-009-91	RES-CHIP 22 5% 1/10W	
L509	1-412-029-11	INDUCTOR CHIP 10UH		R318	1-216-009-91	RES-CHIP 22 5% 1/10W	
L511	1-412-026-11	INDUCTOR CHIP 1UH		R319	1-216-049-91	RES-CHIP 1K 5% 1/10W	
L512	1-412-026-11	INDUCTOR CHIP 1UH		R321	1-216-009-91	RES-CHIP 22 5% 1/10W	
L604	1-412-029-11	INDUCTOR CHIP 10UH		R323	1-216-009-91	RES-CHIP 22 5% 1/10W	
L605	1-412-029-11	INDUCTOR CHIP 10UH		R324	1-216-009-91	RES-CHIP 22 5% 1/10W	
	< TRANSISTOR >			R325	1-216-073-00	RES-CHIP 10K 5% 1/10W	
Q301	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R328	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R330	1-216-037-00	RES-CHIP 330 5% 1/10W	
Q303	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R331	1-216-033-00	RES-CHIP 220 5% 1/10W	
Q501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R332	1-216-037-00	RES-CHIP 330 5% 1/10W	
Q502	8-729-901-82	TRANSISTOR 2SC2412K-T-146-S		R333	1-216-295-91	SHORT 0	
Q503	8-729-901-82	TRANSISTOR 2SC2412K-T-146-S		R335	1-216-013-00	RES-CHIP 33 5% 1/10W	
Q510	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R336	1-216-013-00	RES-CHIP 33 5% 1/10W	
Q511	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R337	1-216-097-91	RES-CHIP 100K 5% 1/10W	
Q512	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R338	1-216-295-91	SHORT 0	
Q516	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R339	1-216-295-91	SHORT 0	
Q517	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R340	1-216-073-00	RES-CHIP 10K 5% 1/10W	
Q518	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R341	1-216-295-91	SHORT 0	
Q519	1-801-806-11	TRANSISTOR DTC144EKA-T146		R342	1-216-295-91	SHORT 0	
Q520	1-801-806-11	TRANSISTOR DTC144EKA-T146		R344	1-216-295-91	SHORT 0	
Q521	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R345	1-216-073-00	RES-CHIP 10K 5% 1/10W	
Q522	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R347	1-216-295-91	SHORT 0	
Q523	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R350	1-216-295-91	SHORT 0	
Q524	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R501	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q601	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R502	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q602	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R503	1-216-295-91	SHORT 0	
Q901	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R504	1-216-295-91	SHORT 0	
Q902	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R505	1-216-295-91	SHORT 0	
Q903	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R506	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q904	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R507	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q905	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R508	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q907	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R509	1-216-025-91	RES-CHIP 100 5% 1/10W	
Q908	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R510	1-216-043-91	RES-CHIP 560 5% 1/10W	
				R511	1-216-043-91	RES-CHIP 560 5% 1/10W	
				R512	1-216-043-91	RES-CHIP 560 5% 1/10W	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R513	1-216-043-91	RES-CHIP	560 5% 1/10W	R594	1-216-041-00	RES-CHIP	470 5% 1/10W
R514	1-216-043-91	RES-CHIP	560 5% 1/10W	R596	1-216-049-91	RES-CHIP	1K 5% 1/10W
R515	1-216-043-91	RES-CHIP	560 5% 1/10W	R597	1-216-073-00	RES-CHIP	10K 5% 1/10W
R516	1-216-049-91	RES-CHIP	1K 5% 1/10W	R600	1-216-066-00	RES-CHIP	5.1K 5% 1/10W
R517	1-216-049-91	RES-CHIP	1K 5% 1/10W	R601	1-216-073-00	RES-CHIP	10K 5% 1/10W
R518	1-216-295-91	SHORT	0	R602	1-216-073-00	RES-CHIP	10K 5% 1/10W
R520	1-216-645-11	METAL CHIP	560 0.5% 1/10W	R603	1-216-073-00	RES-CHIP	10K 5% 1/10W
R521	1-216-295-91	SHORT	0	R604	1-216-033-00	RES-CHIP	220 5% 1/10W
R523	1-216-645-11	METAL CHIP	560 0.5% 1/10W	R605	1-216-295-91	SHORT	0
R524	1-216-295-91	SHORT	0	R608	1-216-295-91	SHORT	0
R526	1-216-645-11	METAL CHIP	560 0.5% 1/10W	R609	1-216-073-00	RES-CHIP	10K 5% 1/10W
R528	1-216-037-00	RES-CHIP	330 5% 1/10W	R610	1-216-033-00	RES-CHIP	220 5% 1/10W
R529	1-216-669-11	METAL CHIP	5.6K 0.5% 1/10W	R611	1-216-073-00	RES-CHIP	10K 5% 1/10W
R530	1-216-669-11	METAL CHIP	5.6K 0.5% 1/10W	R612	1-216-073-00	RES-CHIP	10K 5% 1/10W
R531	1-216-031-00	RES-CHIP	180 5% 1/10W	R613	1-216-073-00	RES-CHIP	10K 5% 1/10W
R532	1-216-669-11	METAL CHIP	5.6K 0.5% 1/10W	R616	1-216-073-00	RES-CHIP	10K 5% 1/10W
R533	1-216-031-00	RES-CHIP	180 5% 1/10W	R617	1-216-295-91	SHORT	0
R536	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R618	1-216-295-91	SHORT	0
R537	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	R619	1-216-073-00	RES-CHIP	10K 5% 1/10W
R540	1-216-049-91	RES-CHIP	1K 5% 1/10W	R621	1-216-295-91	SHORT	0
R548	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R622	1-216-295-91	SHORT	0
R549	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R623	1-216-295-91	SHORT	0
R550	1-216-625-11	METAL CHIP	82 0.5% 1/10W	R625	1-216-295-91	SHORT	0
R551	1-216-625-11	METAL CHIP	82 0.5% 1/10W	R626	1-216-073-00	RES-CHIP	10K 5% 1/10W
R552	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R628	1-216-295-91	SHORT	0
R553	1-216-295-91	SHORT	0	R629	1-216-073-00	RES-CHIP	10K 5% 1/10W
R554	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R631	1-216-295-91	SHORT	0
R555	1-216-077-91	RES-CHIP	15K 5% 1/10W	R634	1-216-295-91	SHORT	0
R557	1-216-049-91	RES-CHIP	1K 5% 1/10W	R635	1-216-295-91	SHORT	0
R558	1-216-025-91	RES-CHIP	100 5% 1/10W	R638	1-216-295-91	SHORT	0
R559	1-216-077-91	RES-CHIP	15K 5% 1/10W	R639	1-216-017-91	RES-CHIP	47 5% 1/10W
R560	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R640	1-216-009-91	RES-CHIP	22 5% 1/10W
R561	1-216-043-91	RES-CHIP	560 5% 1/10W	R642	1-216-295-91	SHORT	0
R562	1-216-043-91	RES-CHIP	560 5% 1/10W	R643	1-216-295-91	SHORT	0
R563	1-216-043-91	RES-CHIP	560 5% 1/10W	R645	1-216-295-91	SHORT	0
R571	1-216-295-91	SHORT	0	R651	1-216-295-91	SHORT	0
R572	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R653	1-216-025-91	RES-CHIP	100 5% 1/10W
R573	1-216-679-11	METAL CHIP	15K 0.5% 1/10W	R654	1-216-033-00	RES-CHIP	220 5% 1/10W
R574	1-216-651-11	METAL CHIP	1K 0.5% 1/10W	R655	1-216-295-91	SHORT	0
R575	1-216-625-11	METAL CHIP	82 0.5% 1/10W	R657	1-216-009-91	RES-CHIP	22 5% 1/10W
R576	1-216-625-11	METAL CHIP	82 0.5% 1/10W	R658	1-216-049-91	RES-CHIP	1K 5% 1/10W
R577	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R659	1-216-025-91	RES-CHIP	100 5% 1/10W
R578	1-216-619-11	METAL CHIP	47 0.5% 1/10W	R660	1-216-025-91	RES-CHIP	100 5% 1/10W
R579	1-216-077-91	RES-CHIP	15K 5% 1/10W	R661	1-216-025-91	RES-CHIP	100 5% 1/10W
R580	1-216-295-91	SHORT	0	R664	1-216-009-91	RES-CHIP	22 5% 1/10W
R582	1-216-041-00	RES-CHIP	470 5% 1/10W	R665	1-216-035-00	RES-CHIP	270 5% 1/10W
R584	1-216-041-00	RES-CHIP	470 5% 1/10W	R666	1-216-646-11	METAL CHIP	620 0.5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R667	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W	R824	1-216-073-00	RES-CHIP	10K	5%	1/10W
R668	1-216-009-91	RES-CHIP	22	5%	1/10W	R825	1-216-621-11	METAL CHIP	56	0.5%	1/10W
R670	1-216-295-91	SHORT	0			R826	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R671	1-216-073-00	RES-CHIP	10K	5%	1/10W	R827	1-216-607-11	METAL CHIP	15	0.5%	1/10W
R672	1-216-073-00	RES-CHIP	10K	5%	1/10W	R834	1-216-629-11	METAL CHIP	120	0.5%	1/10W
R673	1-216-073-00	RES-CHIP	10K	5%	1/10W	R835	1-216-623-11	METAL CHIP	68	0.5%	1/10W
R674	1-216-073-00	RES-CHIP	10K	5%	1/10W	R836	1-216-611-11	METAL CHIP	22	0.5%	1/10W
R675	1-216-073-00	RES-CHIP	10K	5%	1/10W	R840	1-216-295-91	SHORT	0		
R676	1-216-073-00	RES-CHIP	10K	5%	1/10W	R844	1-216-009-91	RES-CHIP	22	5%	1/10W
R677	1-216-073-00	RES-CHIP	10K	5%	1/10W	R845	1-216-009-91	RES-CHIP	22	5%	1/10W
R678	1-216-073-00	RES-CHIP	10K	5%	1/10W	R846	1-216-009-91	RES-CHIP	22	5%	1/10W
R679	1-216-073-00	RES-CHIP	10K	5%	1/10W	R847	1-216-009-91	RES-CHIP	22	5%	1/10W
R680	1-216-073-00	RES-CHIP	10K	5%	1/10W	R848	1-216-009-91	RES-CHIP	22	5%	1/10W
R681	1-216-073-00	RES-CHIP	10K	5%	1/10W	R849	1-216-009-91	RES-CHIP	22	5%	1/10W
R682	1-216-073-00	RES-CHIP	10K	5%	1/10W	R850	1-216-009-91	RES-CHIP	22	5%	1/10W
R683	1-216-073-00	RES-CHIP	10K	5%	1/10W	R851	1-216-009-91	RES-CHIP	22	5%	1/10W
R684	1-216-073-00	RES-CHIP	10K	5%	1/10W	R852	1-216-009-91	RES-CHIP	22	5%	1/10W
R685	1-216-073-00	RES-CHIP	10K	5%	1/10W	R853	1-216-009-91	RES-CHIP	22	5%	1/10W
R686	1-216-073-00	RES-CHIP	10K	5%	1/10W	R854	1-216-009-91	RES-CHIP	22	5%	1/10W
R687	1-216-295-91	SHORT	0			R855	1-216-009-91	RES-CHIP	22	5%	1/10W
R688	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R856	1-216-009-91	RES-CHIP	22	5%	1/10W
R689	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R857	1-216-009-91	RES-CHIP	22	5%	1/10W
R690	1-216-295-91	SHORT	0			R858	1-216-009-91	RES-CHIP	22	5%	1/10W
R691	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R859	1-216-009-91	RES-CHIP	22	5%	1/10W
R692	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R860	1-216-009-91	RES-CHIP	22	5%	1/10W
R693	1-216-009-91	RES-CHIP	22	5%	1/10W	R861	1-216-009-91	RES-CHIP	22	5%	1/10W
R694	1-216-295-91	SHORT	0			R862	1-216-009-91	RES-CHIP	22	5%	1/10W
R695	1-216-047-91	RES-CHIP	820	5%	1/10W	R863	1-216-009-91	RES-CHIP	22	5%	1/10W
R696	1-216-049-91	RES-CHIP	1K	5%	1/10W	R864	1-216-009-91	RES-CHIP	22	5%	1/10W
R697	1-216-117-00	RES-CHIP	680K	5%	1/10W	R865	1-216-009-91	RES-CHIP	22	5%	1/10W
R698	1-216-117-00	RES-CHIP	680K	5%	1/10W	R866	1-216-009-91	RES-CHIP	22	5%	1/10W
R699	1-216-295-91	SHORT	0			R867	1-216-009-91	RES-CHIP	22	5%	1/10W
R801	1-216-009-91	RES-CHIP	22	5%	1/10W	R868	1-216-009-91	RES-CHIP	22	5%	1/10W
R802	1-216-009-91	RES-CHIP	22	5%	1/10W	R869	1-216-009-91	RES-CHIP	22	5%	1/10W
R804	1-216-073-00	RES-CHIP	10K	5%	1/10W	R870	1-216-009-91	RES-CHIP	22	5%	1/10W
R806	1-216-675-91	METAL CHIP	10K	0.5%	1/10W	R871	1-216-009-91	RES-CHIP	22	5%	1/10W
R807	1-216-637-11	METAL CHIP	270	0.5%	1/10W	R872	1-216-009-91	RES-CHIP	22	5%	1/10W
R812	1-216-073-00	RES-CHIP	10K	5%	1/10W	R873	1-216-009-91	RES-CHIP	22	5%	1/10W
R813	1-216-295-91	SHORT	0			R874	1-216-009-91	RES-CHIP	22	5%	1/10W
R814	1-216-073-00	RES-CHIP	10K	5%	1/10W	R875	1-216-009-91	RES-CHIP	22	5%	1/10W
R815	1-216-073-00	RES-CHIP	10K	5%	1/10W	R876	1-216-009-91	RES-CHIP	22	5%	1/10W
R816	1-216-073-00	RES-CHIP	10K	5%	1/10W	R877	1-216-009-91	RES-CHIP	22	5%	1/10W
R817	1-216-613-11	METAL CHIP	27	0.5%	1/10W	R878	1-216-009-91	RES-CHIP	22	5%	1/10W
R818	1-216-295-91	SHORT	0			R879	1-216-009-91	RES-CHIP	22	5%	1/10W
R820	1-216-651-11	METAL CHIP	1K	0.5%	1/10W	R880	1-216-009-91	RES-CHIP	22	5%	1/10W
R822	1-216-295-91	SHORT	0			R881	1-216-009-91	RES-CHIP	22	5%	1/10W
R823	1-216-073-00	RES-CHIP	10K	5%	1/10W	R882	1-216-009-91	RES-CHIP	22	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK			REF. NO.	PART.NO	DESCRIPTION	REMARK		
R883	1-216-009-91	RES-CHIP	22	5%	1/10W	R981	1-216-037-00	RES-CHIP	330	5%	1/10W
R884	1-216-009-91	RES-CHIP	22	5%	1/10W	R982	1-216-037-00	RES-CHIP	330	5%	1/10W
R885	1-216-009-91	RES-CHIP	22	5%	1/10W	R983	1-216-089-91	RES-CHIP	47K	5%	1/10W
R886	1-216-009-91	RES-CHIP	22	5%	1/10W	R984	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R887	1-216-009-91	RES-CHIP	22	5%	1/10W	R985	1-216-113-00	RES-CHIP	470K	5%	1/10W
R888	1-216-009-91	RES-CHIP	22	5%	1/10W	R986	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R889	1-216-009-91	RES-CHIP	22	5%	1/10W	R987	1-216-049-91	RES-CHIP	1K	5%	1/10W
R890	1-216-009-91	RES-CHIP	22	5%	1/10W	R988	1-216-033-00	RES-CHIP	220	5%	1/10W
R891	1-216-009-91	RES-CHIP	22	5%	1/10W	R989	1-216-081-00	RES-CHIP	22K	5%	1/10W
R892	1-216-009-91	RES-CHIP	22	5%	1/10W	R990	1-216-113-00	RES-CHIP	470K	5%	1/10W
R893	1-216-009-91	RES-CHIP	22	5%	1/10W	R991	1-216-295-91	SHORT	0		
R894	1-216-009-91	RES-CHIP	22	5%	1/10W	R993	1-216-089-91	RES-CHIP	47K	5%	1/10W
R895	1-216-009-91	RES-CHIP	22	5%	1/10W	R994	1-216-033-00	RES-CHIP	220	5%	1/10W
R896	1-216-009-91	RES-CHIP	22	5%	1/10W	R995	1-216-033-00	RES-CHIP	220	5%	1/10W
R897	1-216-009-91	RES-CHIP	22	5%	1/10W	R996	1-216-037-00	RES-CHIP	330	5%	1/10W
R898	1-216-009-91	RES-CHIP	22	5%	1/10W	R997	1-216-037-00	RES-CHIP	330	5%	1/10W
R901	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R998	1-216-073-00	RES-CHIP	10K	5%	1/10W
R902	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W	R2801	1-216-629-11	METAL CHIP	120	0.5%	1/10W
R903	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W	R2802	1-216-623-11	METAL CHIP	68	0.5%	1/10W
R904	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2803	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R905	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2804	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R906	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2805	1-216-623-11	METAL CHIP	68	0.5%	1/10W
R907	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2806	1-216-611-11	METAL CHIP	22	0.5%	1/10W
R908	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2809	1-216-295-91	SHORT	0		
R909	1-216-635-11	METAL CHIP	220	0.5%	1/10W	R2810	1-216-295-91	SHORT	0		
R910	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2813	1-216-295-91	SHORT	0		
R911	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2815	1-216-295-91	SHORT	0		
R912	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2817	1-216-295-91	SHORT	0		
R914	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2818	1-216-295-91	SHORT	0		
R916	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2820	1-216-295-91	SHORT	0		
R917	1-216-295-91	SHORT	0			R2822	1-216-295-91	SHORT	0		
R919	1-216-295-91	SHORT	0								
R939	1-216-295-91	SHORT	0								
R940	1-216-295-91	SHORT	0								
R941	1-216-295-91	SHORT	0								
R942	1-216-037-00	RES-CHIP	330	5%	1/10W						
R943	1-216-033-00	RES-CHIP	220	5%	1/10W						
R951	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R952	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R956	1-216-089-91	RES-CHIP	47K	5%	1/10W						
R957	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R958	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R959	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R960	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R961	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R962	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R979	1-216-295-91	SHORT	0								

B3

F1

A

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB015	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB016	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB017	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB018	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB019	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB020	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB021	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB022	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB023	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB024	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB025	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB026	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB027	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB301	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB302	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB701	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
RB702	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
RB703	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
RB704	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
RB705	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
RB706	1-239-711-91	NETWORK RESISTOR (CHIP) 0	
< CRYSTAL >			
X801	1-781-649-21	OSCILLATOR, CRYSTAL	
X802	1-781-650-21	VIBRATOR, CRYSTAL	
*A-1624-086-A F1 Board, Complete			
*4-374-846-01 COVER, CAPACITOR, CAP TYPE			
< CAPACITOR >			
C7626	Δ 1-136-519-12	FILM 0.47UF	20.00% 300V
< CONNECTOR >			
CN7611	Δ *1-580-843-11	PIN, CONNECTOR (POWER)	
CN7622	1-695-915-11	TAB (CONTACT)	
CN7633	Δ *1-580-843-11	PIN, CONNECTOR (POWER)	
CN7655	1-695-915-11	TAB (CONTACT)	
< FUSE >			
F7626	Δ 1-576-232-11	FUSE (H.B.C.) 5A/250V	
	Δ *1-533-725-11	HOLDER, FUSE (F7626)	
< RESISTOR >			
R7626	Δ 1-202-885-91	SOLID 1M 20% 1/2W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
< TRANSFORMER >			
LF7627	Δ 1-433-488-11	TRANSFORMER, LINE FILTER	
< VARISTOR >			
VD7626	Δ 1-801-073-31	VARISTOR ERZV14D471	
*A-1631-094-A A Board, Complete			
4-382-854-11 SCREW (M3X10), P, SW (+)			
*4-931-401-01 HEAT SINK, V.OUT			
< CAPACITOR >			
C1100	1-104-664-11	ELECT 47UF	20.00% 25V
C1101	1-126-943-11	ELECT 2200UF	20.00% 25V
C1126	1-162-568-11	CERAMIC CHIP 0.33UF	10.00% 16V
C1127	1-137-194-81	MYLAR 0.47UF	5.00% 50V
C1128	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C1129	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C1130	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C1131	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C1132	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1133	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1134	1-126-961-11	ELECT 2.2UF	20.00% 50V
C1135	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1136	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1137	1-126-953-11	ELECT 2200UF	20.00% 35V
C1138	1-126-953-11	ELECT 2200UF	20.00% 35V
C1140	1-111-216-91	ELECT 150UF	20.00% 63V
C1141	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C1142	1-130-777-00	MYLAR 0.1UF	5.00% 63V
C1151	1-162-568-11	CERAMIC CHIP 0.33UF	10.00% 16V
C1152	1-137-194-81	MYLAR 0.47UF	5.00% 50V
C1153	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C1154	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C1155	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C1156	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C1157	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1158	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1159	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1160	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1162	1-111-216-91	ELECT 150UF	20.00% 63V
C1163	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C1164	1-130-777-00	MYLAR 0.1UF	5.00% 63V
C1176	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1177	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1178	1-126-964-11	ELECT 10UF	20.00% 50V
C1179	1-126-964-11	ELECT 10UF	20.00% 50V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C1180	1-126-952-11	ELECT 1000UF	20.00% 35V	CN1901	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
C1181	1-126-952-11	ELECT 1000UF	20.00% 35V	CN1902	*1-568-879-11	PIN, CONNECTOR 4P	
C1182	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN1988	*1-568-879-11	PIN, CONNECTOR 4P	
C1183	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C1184	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V			< COMPOSITION CIRCUIT BLOCK >	
C1185	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	CP1300	1-251-658-11	SPLITTER RF	
C1226	1-104-661-91	ELECT 330UF	20.00% 16V			< DIODE >	
C1227	1-164-505-11	CERAMIC CHIP 2.2UF	16V				
C1300	1-126-933-11	ELECT 100UF	20.00% 16V	D1100	8-719-914-43	DIODE DAN202K-T-146	
C1301	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1101	8-719-914-44	DIODE DAP202K-T-146	
				D1102	8-719-914-43	DIODE DAN202K-T-146	
C1326	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1103	8-719-914-43	DIODE DAN202K-T-146	
C1327	1-126-934-11	ELECT 220UF	20.00% 10V	D1104	8-719-914-43	DIODE DAN202K-T-146	
C1328	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V				
C1350	1-163-059-91	CERAMIC CHIP 0.01UF	10.00% 50V	D1201	8-719-976-96	DIODE UDZ-TE-17-4.7B	
C1351	1-126-934-11	ELECT 220UF	20.00% 10V	D1401	8-719-056-82	DIODE UDZ-TE-17-6.2B	
				D1402	8-719-056-82	DIODE UDZ-TE-17-6.2B	
C1601	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D1405	8-719-914-44	DIODE DAP202K-T-146	
C1603	1-126-933-11	ELECT 100UF	20.00% 16V	D1406	8-719-914-43	DIODE DAN202K-T-146	
C1605	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C1610	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D1407	8-719-158-15	DIODE UDZ-TE-17-5.6B	
C1611	1-126-933-11	ELECT 100UF	20.00% 16V	D1408	8-719-158-15	DIODE UDZ-TE-17-5.6B	
				D1601	8-719-056-83	DIODE UDZ-TE-17-6.8B	
C1612	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D1602	8-719-914-43	DIODE DAN202K-T-146	
C1613	1-126-933-11	ELECT 100UF	20.00% 16V	D1626	8-719-914-43	DIODE DAN202K-T-146	
C1615	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C1617	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D1627	8-719-914-43	DIODE DAN202K-T-146	
C1630	1-126-925-11	ELECT 470UF	20.00% 10V	D1630	8-719-500-70	DIODE D5S4M	
				D1631	8-719-500-70	DIODE D5S4M	
C1631	1-126-925-11	ELECT 470UF	20.00% 10V			< FERRITE BEAD >	
C1632	1-136-495-11	MYLAR 0.068UF	5.00% 50V	FB1126	1-535-303-00	LEAD, JUMPER (5.0MM)	
C1633	1-136-495-11	MYLAR 0.068UF	5.00% 50V	FB1127	1-410-397-21	FERRITE 1.1UH	
C1636	1-126-916-11	ELECT 1000UF	20.00% 6.3V	FB1151	1-535-303-00	LEAD, JUMPER (5.0MM)	
C1637	1-126-916-11	ELECT 1000UF	20.00% 6.3V	FB1152	1-410-397-21	FERRITE 1.1UH	
				FB1401	1-414-234-22	INDUCTOR CHIP 0UH	
C1638	1-126-935-11	ELECT 470UF	20.00% 6.3V				
C1639	1-126-935-11	ELECT 470UF	20.00% 6.3V	FB1630	1-535-303-00	LEAD, JUMPER (5.0MM)	
				FB1631	1-535-303-00	LEAD, JUMPER (5.0MM)	
< CONNECTOR >				FB1901	1-414-553-11	FERRITE 0UH	
CN1111	*1-564-520-11	PLUG, CONNECTOR 5P		FB1903	1-414-553-11	FERRITE 0UH	
CN1200	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		FB1904	1-414-553-11	FERRITE 0UH	
CN1301	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P					
CN1401	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		FB1905	1-414-553-11	FERRITE 0UH	
CN1600	1-900-903-64	CONNECTOR ASSY 20P		FB1906	1-414-553-11	FERRITE 0UH	
				FB1907	1-414-553-11	FERRITE 0UH	
CN1601	1-900-903-64	CONNECTOR ASSY 20P				< IC >	
CN1602	1-900-903-64	CONNECTOR ASSY 20P		IC1126	8-759-544-25	IC TDA7482	
CN1666	1-695-915-11	TAB (CONTACT)		IC1151	8-759-544-25	IC TDA7482	
CN1700	*1-568-879-11	PIN, CONNECTOR 4P		IC1176	8-759-333-24	IC LM1876TF	
CN1702	*1-568-878-51	PIN, CONNECTOR 3P		IC1400	8-752-072-94	IC CXA1875AM-T4	
CN1703	1-764-334-11	PLUG, CONNECTOR 11P					
CN1801	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P					
CN1811	1-695-915-11	TAB (CONTACT)					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
IC1601	8-759-574-76	IC KA78R05-SYDTU		< RESISTOR >			
IC1604	8-759-544-13	IC KA78R09-YDTU		JR1203	1-216-296-91	SHORT	0
IC1605	8-759-574-76	IC KA78R05-SYDTU		JR1204	1-216-296-91	SHORT	0
IC1630	8-759-640-19	IC PQ1CG2032FZ		JR1221	1-216-295-91	SHORT	0
IC1631	8-759-640-19	IC PQ1CG2032FZ		JR1222	1-216-295-91	SHORT	0
< COIL >				JR1401	1-216-295-91	SHORT	0
L1126	1-416-857-11	INDUCTOR	65UH	JR1402	1-216-295-91	SHORT	0
L1127	1-414-158-11	INDUCTOR	2.2UH	R1100	1-216-025-91	RES-CHIP	100 5% 1/10W
L1128	1-414-158-11	INDUCTOR	2.2UH	R1101	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
L1151	1-416-857-11	INDUCTOR	65UH	R1102	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
L1152	1-414-158-11	INDUCTOR	2.2UH	R1103	1-216-089-91	RES-CHIP	47K 5% 1/10W
L1153	1-414-158-11	INDUCTOR	2.2UH	R1104	1-216-296-91	SHORT	0
L1300	1-414-183-41	INDUCTOR	10UH	R1126	1-216-631-11	METAL CHIP	150 0.5% 1/10W
L1326	1-414-183-41	INDUCTOR	10UH	R1127	1-216-073-00	RES-CHIP	10K 5% 1/10W
L1350	1-414-183-41	INDUCTOR	10UH	R1128	1-216-041-00	RES-CHIP	470 5% 1/10W
L1630	1-419-249-11	INDUCTOR	15UH	R1129	1-249-422-11	CARBON	2.7K 5% 1/4W
L1631	1-419-249-11	INDUCTOR	15UH	R1151	1-216-631-11	METAL CHIP	150 0.5% 1/10W
L1632	1-419-249-11	INDUCTOR	15UH	R1152	1-216-075-00	RES-CHIP	12K 5% 1/10W
L1633	1-419-249-11	INDUCTOR	15UH	R1153	1-216-041-00	RES-CHIP	470 5% 1/10W
L1634	1-412-525-31	INDUCTOR	10UH	R1154	1-249-422-11	CARBON	2.7K 5% 1/4W
L1635	1-412-525-31	INDUCTOR	10UH	R1174	1-249-422-11	CARBON	2.7K 5% 1/4W
< TRANSISTOR >				R1175	1-249-422-11	CARBON	2.7K 5% 1/4W
Q1100	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1176	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
Q1101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1177	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
Q1201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1178	1-216-357-00	METAL OXIDE	4.7 5% 1W
Q1202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1179	1-216-357-00	METAL OXIDE	4.7 5% 1W
Q1204	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1180	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q1226	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1181	1-216-045-00	RES-CHIP	680 5% 1/10W
Q1227	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1182	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q1229	8-729-027-38	TRANSISTOR DTA144EKA-T146		R1183	1-216-045-00	RES-CHIP	680 5% 1/10W
Q1300	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1184	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1326	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1185	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1327	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1201	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1328	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1202	1-216-083-00	RES-CHIP	27K 5% 1/10W
Q1329	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1203	1-216-083-00	RES-CHIP	27K 5% 1/10W
Q1350	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1204	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
Q1351	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1205	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1401	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1206	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1402	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1208	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1403	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1209	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
Q1404	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1210	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1405	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1226	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1406	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1227	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1601	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1228	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1602	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R1229	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q1603	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R1230	1-216-055-00	RES-CHIP	1.8K 5% 1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R1232	1-216-295-91	SHORT	0	R1424	1-216-045-00	RES-CHIP	680 5% 1/10W
R1233	1-216-049-91	RES-CHIP	1K 5% 1/10W	R1425	1-216-025-91	RES-CHIP	100 5% 1/10W
R1300	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1601	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1301	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1602	1-216-691-11	METAL CHIP	47K 0.5% 1/10W
R1326	1-216-025-91	RES-CHIP	100 5% 1/10W	R1609	1-216-089-91	RES-CHIP	47K 5% 1/10W
R1327	1-216-025-91	RES-CHIP	100 5% 1/10W	R1610	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1328	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1611	1-216-049-91	RES-CHIP	1K 5% 1/10W
R1329	1-216-025-91	RES-CHIP	100 5% 1/10W	R1612	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1330	1-216-041-00	RES-CHIP	470 5% 1/10W	R1613	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1331	1-216-041-00	RES-CHIP	470 5% 1/10W	R1617	1-216-295-91	SHORT	0
R1332	1-216-041-00	RES-CHIP	470 5% 1/10W	R1618	1-216-295-91	SHORT	0
R1333	1-216-075-00	RES-CHIP	12K 5% 1/10W	R1630	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1334	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R1631	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1335	1-216-025-91	RES-CHIP	100 5% 1/10W	R1632	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R1336	1-216-041-00	RES-CHIP	470 5% 1/10W	R1633	1-216-652-11	METAL CHIP	1.1K 0.5% 1/10W
R1337	1-216-041-00	RES-CHIP	470 5% 1/10W	R1634	1-216-650-11	METAL CHIP	910 0.5% 1/10W
R1338	1-216-001-00	RES-CHIP	10 5% 1/10W	R1635	1-216-656-11	METAL CHIP	1.6K 0.5% 1/10W
R1339	1-216-041-00	RES-CHIP	470 5% 1/10W	< TUNER >			
R1340	1-216-043-91	RES-CHIP	560 5% 1/10W	TU1326	1-693-338-21	TUNER/VIF	
R1342	1-216-073-00	RES-CHIP	10K 5% 1/10W	TU1350	1-693-338-21	TUNER/VIF	
R1350	1-216-073-00	RES-CHIP	10K 5% 1/10W	*A-1634-054-A M1 Board, Complete			
R1351	1-216-025-91	RES-CHIP	100 5% 1/10W	< CAPACITOR >			
R1352	1-216-025-91	RES-CHIP	100 5% 1/10W	C9100	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
R1353	1-216-073-00	RES-CHIP	10K 5% 1/10W	C9101	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
R1354	1-216-025-91	RES-CHIP	100 5% 1/10W	C9102	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
R1355	1-216-041-00	RES-CHIP	470 5% 1/10W	C9104	1-104-664-11	ELECT 47UF	20.00% 25V
R1356	1-216-041-00	RES-CHIP	470 5% 1/10W	C9105	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1357	1-216-041-00	RES-CHIP	470 5% 1/10W	C9110	1-165-321-11	CERAMIC CHIP 0.68UF	10.00% 16V
R1405	1-216-025-91	RES-CHIP	100 5% 1/10W	C9111	1-164-157-11	CERAMIC CHIP 0.068UF	10.00% 25V
R1406	1-216-025-91	RES-CHIP	100 5% 1/10W	C9112	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1407	1-216-025-91	RES-CHIP	100 5% 1/10W	C9113	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1408	1-216-025-91	RES-CHIP	100 5% 1/10W	C9114	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1409	1-216-025-91	RES-CHIP	100 5% 1/10W	C9115	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
R1410	1-216-025-91	RES-CHIP	100 5% 1/10W	C9117	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1411	1-216-295-91	SHORT	0	C9118	1-104-664-11	ELECT 47UF	20.00% 25V
R1412	1-216-295-91	SHORT	0	C9119	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
R1413	1-216-025-91	RES-CHIP	100 5% 1/10W	C9121	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
R1414	1-216-041-00	RES-CHIP	470 5% 1/10W	C9122	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
R1415	1-216-041-00	RES-CHIP	470 5% 1/10W	C9123	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1416	1-216-041-00	RES-CHIP	470 5% 1/10W	C9124	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1417	1-216-041-00	RES-CHIP	470 5% 1/10W	C9125	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1418	1-216-049-91	RES-CHIP	1K 5% 1/10W	C9126	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
R1419	1-216-049-91	RES-CHIP	1K 5% 1/10W	C9127	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
R1420	1-216-073-00	RES-CHIP	10K 5% 1/10W	C9128	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V
R1421	1-216-045-00	RES-CHIP	680 5% 1/10W				
R1422	1-216-045-00	RES-CHIP	680 5% 1/10W				
R1423	1-216-045-00	RES-CHIP	680 5% 1/10W				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C9129	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9107	8-759-395-27	IC TC55257DFTL-70V-EL	
C9130	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9108	8-759-564-06	IC M24C32-MN6T	
C9131	1-163-105-00	CERAMIC CHIP 33PF	5.00% 50V	IC9109	8-759-597-95	IC M27C800-100K1-AE513	
C9132	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC9110	8-759-559-96	IC HEF4094BT	
C9400	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	IC9400	8-759-481-78	IC M29F040-120N1	
C9500	1-104-664-11	ELECT 47UF	20.00% 25V	IC9500	8-759-034-47	IC MC74F00M-T2	
C9502	1-104-664-11	ELECT 47UF	20.00% 25V	IC9501	8-759-666-17	IC MSM5116400D-60SJRI	
C9503	1-126-964-11	ELECT 10UF	20.00% 50V	IC9502	8-759-665-84	IC SDA5275-3PC02-22	
C9504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C9505	1-104-665-11	ELECT 100UF	20.00% 25V			< COIL >	
C9506	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	L9400	1-412-029-11	INDUCTOR CHIP 10UH	
C9507	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	L9401	1-412-029-11	INDUCTOR CHIP 10UH	
C9508	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V				
C9509	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V			< TRANSISTOR >	
C9510	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	Q9100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9102	8-729-216-22	TRANSISTOR 2SC2412K-T-146-R	
C9513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9103	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9514	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V	Q9105	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
C9515	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V				
C9516	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	Q9106	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9517	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q9107	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9518	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	Q9108	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9519	1-126-964-11	ELECT 10UF	20.00% 50V	Q9109	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9520	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	Q9110	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
		< CONNECTOR >		Q9500	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
CN9101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		Q9501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
		< DIODE >		Q9502	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
D9100	8-719-988-61	DIODE 1SS355TE-17		Q9503	1-801-806-11	TRANSISTOR DTC144EKA-T146	
D9101	8-719-988-61	DIODE 1SS355TE-17		Q9504	1-801-806-11	TRANSISTOR DTC144EKA-T146	
D9102	8-719-988-61	DIODE 1SS355TE-17					
D9103	8-719-988-61	DIODE 1SS355TE-17				< RESISTOR >	
D9104	8-719-056-83	DIODE UDZ-TE-17-6.8B		R9100	1-216-073-00	RES-CHIP 10K 5% 1/10W	
D9105	8-719-914-43	DIODE DAN202K-T-146		R9101	1-216-033-00	RES-CHIP 220 5% 1/10W	
D9107	8-719-025-31	DIODE 02CZ5.6-TE85L		R9102	1-216-033-00	RES-CHIP 220 5% 1/10W	
		< FILTER >		R9103	1-216-025-91	RES-CHIP 100 5% 1/10W	
FL9101	1-236-071-11	ENCAPSULATED COMPONENT		R9104	1-216-073-00	RES-CHIP 10K 5% 1/10W	
FL9500	1-236-071-11	ENCAPSULATED COMPONENT		R9105	1-216-073-00	RES-CHIP 10K 5% 1/10W	
FL9501	1-236-071-11	ENCAPSULATED COMPONENT		R9106	1-216-073-00	RES-CHIP 10K 5% 1/10W	
		< IC >		R9107	1-216-025-91	RES-CHIP 100 5% 1/10W	
IC9100	8-759-988-13	IC LM393PS-E20		R9108	1-216-025-91	RES-CHIP 100 5% 1/10W	
IC9104	8-759-259-18	IC MB3793-42PNF-ER		R9109	1-216-073-00	RES-CHIP 10K 5% 1/10W	
IC9105	8-759-544-30	IC SAB-C161R1-LM		R9110	1-216-081-00	RES-CHIP 22K 5% 1/10W	
				R9111	1-216-025-91	RES-CHIP 100 5% 1/10W	
				R9112	1-216-025-91	RES-CHIP 100 5% 1/10W	
				R9113	1-216-033-00	RES-CHIP 220 5% 1/10W	
				R9114	1-216-083-00	RES-CHIP 27K 5% 1/10W	
				R9115	1-216-081-00	RES-CHIP 22K 5% 1/10W	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R9116	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9194	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9117	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9195	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9119	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9196	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9120	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9197	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9121	1-216-017-91	RES-CHIP	47 5% 1/10W	R9500	1-216-295-91	SHORT	0
R9122	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9501	1-216-295-91	SHORT	0
R9123	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9502	1-216-295-91	SHORT	0
R9127	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9504	1-216-041-00	RES-CHIP	470 5% 1/10W
R9128	1-216-097-91	RES-CHIP	100K 5% 1/10W	R9505	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R9135	1-216-295-91	SHORT	0	R9506	1-216-073-00	RES-CHIP	10K 5% 1/10W
R9138	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9507	1-216-097-91	RES-CHIP	100K 5% 1/10W
R9140	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R9508	1-216-017-91	RES-CHIP	47 5% 1/10W
R9141	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9509	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9142	1-216-041-00	RES-CHIP	470 5% 1/10W	R9510	1-216-017-91	RES-CHIP	47 5% 1/10W
R9143	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9511	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9144	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R9512	1-216-017-91	RES-CHIP	47 5% 1/10W
R9145	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9513	1-216-017-91	RES-CHIP	47 5% 1/10W
R9146	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9514	1-216-017-91	RES-CHIP	47 5% 1/10W
R9147	1-216-049-91	RES-CHIP	1K 5% 1/10W	R9515	1-216-295-91	SHORT	0
R9148	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9516	1-216-295-91	SHORT	0
R9149	1-216-025-91	RES-CHIP	100 5% 1/10W	R9517	1-216-295-91	SHORT	0
R9150	1-216-025-91	RES-CHIP	100 5% 1/10W	R9518	1-216-049-91	RES-CHIP	1K 5% 1/10W
R9151	1-216-025-91	RES-CHIP	100 5% 1/10W	R9519	1-216-039-00	RES-CHIP	390 5% 1/10W
R9153	1-216-025-91	RES-CHIP	100 5% 1/10W	R9520	1-216-039-00	RES-CHIP	390 5% 1/10W
R9159	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9521	1-216-039-00	RES-CHIP	390 5% 1/10W
R9161	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9522	1-216-295-91	SHORT	0
R9162	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9523	1-216-295-91	SHORT	0
R9164	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9524	1-216-295-91	SHORT	0
R9166	1-216-073-00	RES-CHIP	10K 5% 1/10W	R9525	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9168	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9526	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9172	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9527	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9173	1-216-295-91	SHORT	0	R9528	1-216-025-91	RES-CHIP	100 5% 1/10W
R9174	1-216-025-91	RES-CHIP	100 5% 1/10W	R9529	1-216-025-91	RES-CHIP	100 5% 1/10W
R9175	1-216-025-91	RES-CHIP	100 5% 1/10W	R9530	1-216-025-91	RES-CHIP	100 5% 1/10W
R9176	1-216-025-91	RES-CHIP	100 5% 1/10W	R9531	1-216-295-91	SHORT	0
R9177	1-216-025-91	RES-CHIP	100 5% 1/10W	< CRYSTAL >			
R9178	1-216-025-91	RES-CHIP	100 5% 1/10W	X9101	1-781-107-21	VIBRATOR, SERAMIC	
R9179	1-216-097-91	RES-CHIP	100K 5% 1/10W	X9500	1-760-551-21	VIBRATOR, CERAMIC	
R9184	1-216-025-91	RES-CHIP	100 5% 1/10W	*A-1638-139-A C Board, Complete			
R9185	1-216-025-91	RES-CHIP	100 5% 1/10W	4-382-854-11 SCREW (M3X10), P, SW (+)			
R9186	1-216-025-91	RES-CHIP	100 5% 1/10W	< CAPACITOR >			
R9187	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	C5301	1-163-075-00	CERAMIC CHIP 0.047UF	50V
R9188	1-216-073-00	RES-CHIP	10K 5% 1/10W	C5302	1-128-528-11	ELECT 470UF	20.00% 16V
R9189	1-216-025-91	RES-CHIP	100 5% 1/10W	C5303	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
R9191	1-216-025-91	RES-CHIP	100 5% 1/10W				
R9192	1-216-025-91	RES-CHIP	100 5% 1/10W				
R9193	1-216-097-91	RES-CHIP	100K 5% 1/10W				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C5304	1-107-967-11	ELECT 1UF	20.00% 400V	D5351	8-719-991-33	DIODE 1SS133T-77	
C5305	1-136-207-11	MYLAR 0.047UF	10.00% 400V	D5353	8-719-901-83	DIODE 1SS83TD	
C5306	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D5375	8-719-991-33	DIODE 1SS133T-77	
C5307	1-163-233-11	CERAMIC CHIP 18PF	5.00% 50V	D5376	8-719-991-33	DIODE 1SS133T-77	
C5308	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V	D5377	8-719-908-03	DIODE GP08DPKG23	
C5309	1-163-035-00	CERAMIC CHIP 0.047UF	50V	D5378	8-719-921-88	DIODE MTZJ-T-77-13B	
C5310	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V	D5379	8-719-982-96	DIODE MTZJ-T-77-2.2A	
C5325	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V	D5380	8-719-982-96	DIODE MTZJ-T-77-2.2A	
C5326	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D5381	8-719-031-34	DIODE RGP02-20EG23	
C5328	1-128-528-11	ELECT 470UF	20.00% 16V				
C5329	1-107-967-11	ELECT 1UF	20.00% 400V			< IC >	
C5330	1-136-207-11	MYLAR 0.047UF	10.00% 400V	IC5300	8-759-360-83	IC TDA6111Q/N4	
C5331	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V	IC5325	8-759-360-83	IC TDA6111Q/N4	
C5332	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	IC5350	8-759-360-83	IC TDA6111Q/N4	
C5333	1-163-035-00	CERAMIC CHIP 0.047UF	50V			< SOCKET >	
C5334	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V	J5375 Δ	1-540-071-22	SOCKET, CRT	
C5350	1-107-907-11	ELECT 22UF	20.00% 50V			< COIL >	
C5351	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V	L5300	1-408-591-11	INDUCTOR 1UH	
C5352	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	L5325	1-408-591-11	INDUCTOR 1UH	
C5353	1-163-075-00	CERAMIC CHIP 0.047UF	50V	L5350	1-408-591-11	INDUCTOR 1UH	
C5354	1-128-528-11	ELECT 470UF	20.00% 16V	L5375	1-410-671-31	INDUCTOR 47UH	
C5355	1-107-967-11	ELECT 1UF	20.00% 400V	L5376	1-532-637-00	LINK, IC 1A/150V	
C5356	1-136-207-11	MYLAR 0.047UF	10.00% 400V	L5377	1-414-183-41	INDUCTOR 10UH	
C5357	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V			< TRANSISTOR >	
C5358	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V	Q5300	8-729-255-12	TRANSISTOR 2SC25510-TPE2	
C5359	1-163-035-00	CERAMIC CHIP 0.047UF	50V	Q5301	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
C5360	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V	Q5325	8-729-255-12	TRANSISTOR 2SC25510-TPE2	
C5375	1-107-902-11	ELECT 1UF	20.00% 50V	Q5326	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
C5376	1-102-106-00	CERAMIC 100PF	10.00% 50V	Q5350	8-729-029-56	TRANSISTOR DTA144ESA-TP	
C5377	1-104-331-11	CERAMIC 0.0022UF	10.00% 1KV	Q5351	8-729-255-12	TRANSISTOR 2SC25510-TPE2	
C5378	1-162-116-00	CERAMIC 680PF	10.00% 2KV	Q5352	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
C5379	1-162-114-00	CERAMIC 0.0047UF	2KV	Q5375	8-729-119-78	TRANSISTOR 2SC1740S-RT	
C5380	1-107-652-11	ELECT 10UF	20.00% 250V	Q5376	8-729-026-39	TRANSISTOR 2SA933AS-RT	
C5381	1-117-214-91	CERAMIC 1000PF	10.00% 2KV			< RESISTOR >	
C5382	1-162-114-00	CERAMIC 0.0047UF	2KV	R5300	1-249-417-11	CARBON 1K 5% 1/4W	
		< CONNECTOR >		R5301	1-247-807-31	CARBON 100 5% 1/4W	
CN5400	1-564-511-11	PLUG, CONNECTOR 8P		R5302	1-535-303-00	LEAD, JUMPER (5.0MM)	
CN5511	1-695-915-11	TAB (CONTACT)		R5303	1-216-659-11	METAL CHIP 2.2K 0.5% 1/10W	
CN5600	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P		R5304	1-202-557-00	SOLID 220 20% 1/2W	
CN5633	1-695-915-11	TAB (CONTACT)		R5305	1-215-929-11	METAL OXIDE 100K 5% 3W	
		< DIODE >		R5306	1-249-424-11	CARBON 3.9K 5% 1/4W	
D5300	8-719-911-19	DIODE 1SS119-25TD		R5307	1-247-863-91	CARBON 22K 5% 1/4W	
D5302	8-719-901-83	DIODE 1SS83TD		R5308	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
D5325	8-719-911-19	DIODE 1SS119-25TD					
D5327	8-719-901-83	DIODE 1SS83TD					
D5350	8-719-911-19	DIODE 1SS119-25TD					

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R5309	1-216-658-11	METAL CHIP	2K 0.5% 1/10W	*A-1640-318-A D Board, Complete			
R5310	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	4-201-023-01	SPACER, INSULATING		
R5325	1-249-417-11	CARBON	1K 5% 1/4W	4-202-373-01	SPRING, IC		
R5326	1-247-807-31	CARBON	100 5% 1/4W	4-382-854-11	SCREW (M3X10), P, SW (+)		
R5327	1-535-303-00	LEAD, JUMPER (5.0MM)		*4-931-401-01	HEAT SINK, V.OUT		
R5328	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	< CAPACITOR >			
R5329	1-202-557-00	SOLID	220 20% 1/2W	C6600	Δ 1-127-802-51	CERAMIC 0.01UF	400V
R5330	1-215-929-11	METAL OXIDE	100K 5% 3W	C6603	1-126-933-11	ELECT 100UF	20.00% 16V
R5331	1-249-424-11	CARBON	3.9K 5% 1/4W	C6604	1-126-767-11	ELECT 1000UF	20.00% 16V
R5332	1-247-863-91	CARBON	22K 5% 1/4W	C6605	Δ 1-119-888-51	CERAMIC 2200PF	20.00% 250V
R5333	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C6606	Δ 1-119-888-51	CERAMIC 2200PF	20.00% 250V
R5334	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	C6607	Δ 1-136-518-12	FILM 0.33UF	20.00% 300V
R5335	1-216-658-11	METAL CHIP	2K 0.5% 1/10W	C6608	Δ 1-161-964-91	CERAMIC 0.0047UF	250V
R5350	1-249-417-11	CARBON	1K 5% 1/4W	C6609	Δ 1-161-964-91	CERAMIC 0.0047UF	250V
R5351	1-247-807-31	CARBON	100 5% 1/4W	C6610	Δ 1-161-964-91	CERAMIC 0.0047UF	250V
R5352	1-249-416-11	CARBON	820 5% 1/4W	C6611	Δ 1-161-964-91	CERAMIC 0.0047UF	250V
R5353	1-249-421-11	CARBON	2.2K 5% 1/4W	C6612	1-127-802-51	CERAMIC 0.01UF	400V
R5354	1-249-418-11	CARBON	1.2K 5% 1/4W	C6616	1-164-625-11	CERAMIC 680PF	10.00% 500V
R5355	1-535-303-00	LEAD, JUMPER (5.0MM)		C6617	1-164-625-11	CERAMIC 680PF	10.00% 500V
R5356	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	C6618	1-136-175-00	MYLAR 0.68UF	5.00% 50V
R5357	1-202-557-00	SOLID	220 20% 1/2W	C6619	1-137-194-91	MYLAR 0.47UF	5.00% 50V
R5358	1-215-929-11	METAL OXIDE	100K 5% 3W	C6620	1-136-618-11	FILM 0.047UF	5.00% 1.25KV
R5359	1-247-863-91	CARBON	22K 5% 1/4W	C6621	1-136-175-00	MYLAR 0.68UF	5.00% 50V
R5360	1-249-424-11	CARBON	3.9K 5% 1/4W	C6622	1-164-625-11	CERAMIC 680PF	10.00% 500V
R5361	1-249-431-11	CARBON	15K 5% 1/4W	C6623	1-137-194-91	MYLAR 0.47UF	5.00% 50V
R5362	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C6624	1-126-968-11	ELECT 100UF	20.00% 50V
R5363	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	C6626	1-164-625-11	CERAMIC 680PF	10.00% 500V
R5364	1-216-658-11	METAL CHIP	2K 0.5% 1/10W	C6627	1-164-625-11	CERAMIC 680PF	10.00% 500V
R5375	1-249-435-11	CARBON	33K 5% 1/4W	C6628	1-126-936-11	ELECT 3300UF	20.00% 16V
R5376	1-249-429-11	CARBON	10K 5% 1/4W	C6629	1-128-548-11	ELECT 4700UF	20.00% 25V
R5377	1-249-430-11	CARBON	12K 5% 1/4W	C6630	1-110-626-11	ELECT 330UF	20.00% 160V
R5378	1-249-429-11	CARBON	10K 5% 1/4W	C6631	1-126-955-11	ELECT 4700UF	20.00% 35V
R5379	1-249-438-11	CARBON	56K 5% 1/4W	C6632	1-126-955-11	ELECT 4700UF	20.00% 35V
R5380	1-247-863-91	CARBON	22K 5% 1/4W	C6633	1-126-935-11	ELECT 470UF	20.00% 16V
R5381	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	C6634	1-136-165-00	MYLAR 0.1UF	5.00% 50V
R5382	1-202-549-00	SOLID	100 20% 1/2W	C6635	1-104-664-11	ELECT 47UF	20.00% 25V
R5383	1-535-143-51	LEAD, JUMPER (20.0MM)		C6636	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
R5384	1-535-143-51	LEAD, JUMPER (20.0MM)		C6637	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
R5385	1-202-549-00	SOLID	100 20% 1/2W	C6638	1-137-368-11	MYLAR 0.0047UF	5.00% 50V
R5386	1-202-884-11	SOLID	820K 20% 1/2W	C6639	1-102-228-00	CERAMIC 470PF	10.00% 500V
R5387	1-202-884-11	SOLID	820K 20% 1/2W	C6641	1-126-967-11	ELECT 47UF	20.00% 50V
R5388	1-215-911-11	METAL OXIDE	100 5% 3W	C6642	1-128-551-11	ELECT 22UF	20.00% 25V
R5389	1-249-417-11	CARBON	1K 5% 1/4W	C6647	1-104-664-11	ELECT 47UF	20.00% 25V
< VARIABLE RESISTOR >				C6649	1-126-965-11	ELECT 22UF	20.00% 50V
RV5375	1-241-656-21	RES, ADJ, METAL FILM 110M		C6651	1-161-964-91	CERAMIC 0.0047UF	250V
RV5376	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		C6652	1-107-679-91	ELECT 10UF	20.00% 450V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6653	1-126-968-11	ELECT 100UF	20.00% 50V
C6654	1-162-117-00	CERAMIC 100PF	10.00% 500V
C6655	1-107-974-11	CERAMIC 47PF	5.00% 2KV
C6656	1-126-967-11	ELECT 47UF	20.00% 50V
C6657	1-126-941-11	ELECT 470UF	20.00% 25V
C6658	1-104-665-11	ELECT 100UF	20.00% 25V
C6659	1-104-665-11	ELECT 100UF	20.00% 25V
C6661	1-117-753-11	ELECT (BLOCK) 470UF	20.00% 450V
C6662	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6664	1-136-153-00	MYLAR 0.01UF	5.00% 50V
C6665	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6666	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6667	1-126-933-11	ELECT 100UF	20.00% 16V
C6668	1-126-933-11	ELECT 100UF	20.00% 16V
C6669	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6670	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6671	1-104-664-11	ELECT 47UF	20.00% 16V
C6672	1-104-664-11	ELECT 47UF	20.00% 16V
C6673	1-104-664-11	ELECT 47UF	20.00% 16V
C6677	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C6679	1-130-495-00	MYLAR 0.1UF	5.00% 50V
C6680	1-137-370-11	MYLAR 0.01UF	5.00% 50V
C6681	1-126-964-11	ELECT 10UF	20.00% 50V
C6682	1-107-679-91	ELECT 10UF	20.00% 450V
C6700	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
C6703	1-128-527-11	ELECT 330UF	20.00% 25V
C6704	1-126-968-11	ELECT 100UF	20.00% 50V
C6705	1-128-527-11	ELECT 330UF	20.00% 25V
C6706	1-106-228-00	MYLAR 0.22UF	10.00% 100V
C6707	1-129-702-00	MYLAR 0.001UF	10.00% 400V
C6708	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C6709	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
C6710	1-130-785-11	MYLAR 0.47UF	10.00% 100V
C6727	1-102-228-00	CERAMIC 470PF	10.00% 500V
C6801	1-104-664-11	ELECT 47UF	20.00% 25V
C6802	1-126-960-11	ELECT 1UF	20.00% 50V
C6803	1-126-960-11	ELECT 1UF	20.00% 50V
C6804	1-102-114-00	CERAMIC 470PF	10.00% 50V
C6805	1-102-114-00	CERAMIC 470PF	10.00% 50V
C6808	1-102-030-00	CERAMIC 330PF	10.00% 500V
C6809	1-102-030-00	CERAMIC 330PF	10.00% 500V
C6810	1-107-368-11	MYLAR 0.047UF	10.00% 200V
C6811	1-107-368-11	MYLAR 0.047UF	10.00% 200V
C6812	1-162-131-11	CERAMIC 220PF	10.00% 2KV
C6813	1-162-558-11	CERAMIC 100PF	10.00% 2KV
C6814	1-117-640-11	FILM 6800PF	3.00% 1.2KV
C6815	1-117-835-11	FILM 6200PF	3.00% 1.5KV

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6816	1-130-471-00	MYLAR 0.001UF	5.00% 50V
C6817	1-125-893-11	FILM 680PF	3.00% 1.5KV
C6818	1-125-893-11	FILM 680PF	3.00% 1.5KV
C6819	1-125-893-11	FILM 680PF	3.00% 1.5KV
C6820	1-125-893-11	FILM 680PF	3.00% 1.5KV
C6824	1-107-846-11	FILM 0.1UF	5.00% 250V
C6825	1-115-514-11	FILM 0.22UF	5.00% 250V
C6826	1-115-518-11	FILM 0.47UF	5.00% 250V
C6827	1-115-511-11	FILM 0.12UF	5.00% 250V
C6828	1-127-681-11	FILM MELF 10000PF	2% 100V
C6829	1-127-680-11	FILM MELF 4700PF	2% 100V
C6830	1-107-655-11	ELECT 47UF	20.00% 250V
C6831	1-102-228-00	CERAMIC 470PF	10.00% 500V
C6832	1-126-941-11	ELECT 470UF	20.00% 25V
C6833	1-126-941-11	ELECT 470UF	20.00% 25V
C6834	1-102-228-00	CERAMIC 470PF	10.00% 500V
C6835	1-102-228-00	CERAMIC 470PF	10.00% 500V
C6836	1-123-024-21	ELECT 33UF	160V
C6837	1-106-375-12	MYLAR 0.022UF	10.00% 250V
C6840	1-137-370-11	MYLAR 0.01UF	5.00% 50V
C6841	1-104-664-11	ELECT 47UF	20.00% 16V
C6844	1-115-513-21	FILM 0.18UF	5.00% 250V
C6851	1-162-131-11	CERAMIC 220PF	10.00% 2KV
C6852	1-162-129-00	CERAMIC 150PF	10.00% 2KV
C6853	1-129-898-00	FILM 0.0022UF	5.00% 630V
C6855	1-136-205-11	MYLAR 0.022UF	10.00% 400V
C6856	1-102-030-00	CERAMIC 330PF	10.00% 500V
C6857	1-130-785-11	MYLAR 0.47UF	10.00% 100V
C6861	1-130-471-00	MYLAR 0.001UF	5.00% 50V
C6862	1-130-471-00	MYLAR 0.001UF	5.00% 50V
< CONNECTOR >			
CN6100	1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6101	1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6102	1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6500	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
CN6600	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
CN6611	*1-785-270-12	PIN, DY CONNECTOR (PC BOARD)	
CN6620	Δ 1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN6622	1-695-915-11	TAB (CONTACT)	
CN6655	1-695-915-11	TAB (CONTACT)	
CN6666	Δ *1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN6700	Δ *1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
< DIODE >			
D6600	8-719-911-19	DIODE 1SS119-25TD	
D6601	8-719-063-73	DIODE D1NL20U-TR	

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D6602	8-719-109-89	DIODE MTZJ-T-77-5.6B		D6851	8-719-970-87	DIODE ERA38-06TP1	
D6603	Δ 8-719-921-19	DIODE 1SS119-25TD		D6852	8-719-970-87	DIODE ERA38-06TP1	
D6604	8-719-510-53	DIODE D4SB60L-F		< FERRITE BEAD >			
D6605	8-719-991-33	DIODE 1SS133T-77		FB6602	1-410-396-41	FERRITE	0.45UH
D6610	8-719-063-73	DIODE D1NL20U-TR		FB6603	1-410-396-41	FERRITE	0.45UH
D6613	8-719-911-19	DIODE 1SS119-25TD		< IC >			
D6615	8-719-911-19	DIODE 1SS119-25TD		IC6600	1-810-051-11	POWER MODULE DM-48	
D6616	8-719-510-12	DIODE D10SC4M-F		IC6604	8-729-045-40	TRANSISTOR MX0842A-F	
D6617	8-719-500-71	DIODE D8LC40F		IC6651	8-759-468-89	IC TOP209P	
D6618	8-719-079-50	DIODE RBV-402L		IC6652	8-759-394-35	IC BA12T	
D6619	8-719-510-12	DIODE D10SC4M-F		IC6653	8-759-544-13	IC KA78R09-YDTU	
D6620	8-719-510-09	DIODE D10SC6M-F		IC6654	8-759-574-76	IC KA78R05-SYDTU	
D6621	8-719-991-33	DIODE 1SS133T-77		IC6667	8-759-908-15	IC TL431CZ	
D6622	8-719-991-33	DIODE 1SS133T-77		IC6676	8-759-908-15	IC TL431CZ	
D6623	8-719-911-19	DIODE 1SS119-25TD		IC6700	8-759-192-71	IC STV9379	
D6624	8-719-991-33	DIODE 1SS133T-77		IC6801	8-759-103-93	IC LM393P	
D6625	8-719-991-33	DIODE 1SS133T-77		< COIL >			
D6626	8-719-991-33	DIODE 1SS133T-77		L6602	1-412-529-11	INDUCTOR	22UH
D6627	8-719-982-27	DIODE MTZJ-T-77-33C		L6603	1-412-529-11	INDUCTOR	22UH
D6628	8-719-109-97	DIODE MTZJ-T-77-6.8		L6604	1-412-525-31	INDUCTOR	10UH
D6629	8-719-991-33	DIODE 1SS133T-77		L6605	1-412-523-41	INDUCTOR	6.8UH
D6630	8-719-991-33	DIODE 1SS133T-77		L6606	1-412-525-31	INDUCTOR	10UH
D6631	8-719-991-33	DIODE 1SS133T-77		L6607	1-412-525-31	INDUCTOR	10UH
D6651	8-719-068-00	DIODE ERC04-06SE		L6651	1-414-183-41	INDUCTOR	10UH
D6652	8-719-923-78	DIODE MTZJ-T-77-12		L6700	1-412-524-11	INDUCTOR	8.2UH
D6653	8-719-063-73	DIODE D1NL20U-TR		L6801	1-412-519-11	INDUCTOR	3.3UH
D6654	8-719-059-23	DIODE P6KE200AG23		L6802	1-412-519-11	INDUCTOR	3.3UH
D6655	8-719-979-64	DIODE UF4005PKG23		L6803	1-412-533-21	INDUCTOR	47UH
D6656	8-719-063-73	DIODE D1NL20U-TR		L6805	1-408-947-00	INDUCTOR	2.2MH
D6658	8-719-068-00	DIODE ERC04-06SE		L6806	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6659	8-719-063-73	DIODE D1NL20U-TR		L6807	1-410-397-21	FERRITE	1.1UH
D6676	8-719-991-33	DIODE 1SS133T-77		L6851	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6677	8-719-921-40	DIODE MTZJ-T-77-4.7B		< FILTER >			
D6678	8-719-921-40	DIODE MTZJ-T-77-4.7B		LF6603	1-406-659-11	INDUCTOR	10UH
D6679	8-719-991-33	DIODE 1SS133T-77		LF6604	1-406-659-11	INDUCTOR	10UH
D6681	8-719-991-33	DIODE 1SS133T-77		LF6801	1-406-985-11	INDUCTOR	2.2MH
D6700	8-719-200-02	DIODE ERA15-02TPI		LF6851	1-406-674-11	INDUCTOR	3.3MH
D6701	8-719-110-41	DIODE MTZJ-T-77-15B		< IC LINK >			
D6803	8-719-200-02	DIODE ERA15-02TPI		PS6601	Δ 1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
D6804	1-535-143-11	LEAD, JUMPER (10.0MM)		PS6602	Δ 1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
D6805	8-719-302-43	DIODE RGP10GPKG23		PS6603	Δ 1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
D6806	8-719-979-85	DIODE RGP15GPKG23		PS6604	Δ 1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
D6807	8-719-510-73	DIODE S3L20UF4		PS6605	Δ 1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
D6808	8-719-510-73	DIODE S3L20UF4					
D6809	8-719-991-33	DIODE 1SS133T-77					
D6810	1-247-895-91	CARBON 470K 5% 1/4W					
D6811	8-719-110-41	DIODE MTZJ-T-77-15B					

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< TRANSISTOR >				R6626	1-247-807-31	CARBON	100 5% 1/4W
Q6600	8-729-046-47	TRANSISTOR KSC2500-BTA		R6627	1-249-429-11	CARBON	10K 5% 1/4W
Q6602	8-729-026-39	TRANSISTOR 2SA933AS-RT		R6628	1-260-129-11	CARBON	330K 5% 1/2W
Q6603	8-729-119-78	TRANSISTOR 2SC1740S-RT		R6629	1-260-129-11	CARBON	330K 5% 1/2W
Q6605	8-729-046-47	TRANSISTOR KSC2500-BTA		R6630	1-249-417-11	CARBON	1K 5% 1/4W
Q6606	8-729-029-56	TRANSISTOR DTA144ESA-TP		R6631	1-249-425-11	CARBON	4.7K 5% 1/4W
Q6607	8-729-119-78	TRANSISTOR 2SC1740S-RT		R6632	1-207-905-00	WIREWOUND	0.27 10% 2W
Q6608	8-729-029-66	TRANSISTOR DTC114ESA-TP		R6633	1-249-429-11	CARBON	10K 5% 1/4W
Q6611	8-729-029-66	TRANSISTOR DTC114ESA-TP		R6635	1-535-143-11	LEAD, JUMPER (10.0MM)	
Q6651	8-729-026-39	TRANSISTOR 2SA933AS-RT		R6637	1-249-421-11	CARBON	2.2K 5% 1/4W
Q6652	8-729-029-86	TRANSISTOR DTC124ESA-TP		R6638	1-247-895-91	CARBON	470K 5% 1/4W
Q6667	8-729-026-39	TRANSISTOR 2SA933AS-RT		R6639	1-249-416-11	CARBON	820 5% 1/4W
Q6676	8-729-119-78	TRANSISTOR 2SC1740S-RT		R6640	1-249-417-11	CARBON	1K 5% 1/4W
Q6677	8-729-119-78	TRANSISTOR 2SC1740S-RT		R6641	1-260-127-11	CARBON	220K 5% 1/2W
Q6678	8-729-119-78	TRANSISTOR 2SC1740S-RT		R6642	1-249-389-11	CARBON	4.7 5% 1/4W
Q6679	8-729-026-39	TRANSISTOR 2SA933AS-RT		R6643	1-249-417-11	CARBON	1K 5% 1/4W
Q6680	8-729-029-66	TRANSISTOR DTC114ESA-TP		R6644	1-249-429-11	CARBON	10K 5% 1/4W
Q6681	8-729-029-66	TRANSISTOR DTC114ESA-TP		R6645	1-260-131-11	CARBON	470K 5% 1/2W
Q6700	8-729-039-68	TRANSISTOR IRF620		R6646	1-249-429-11	CARBON	10K 5% 1/4W
Q6801	8-729-119-80	TRANSISTOR 2SC2688-LK		R6647	1-249-410-11	CARBON	270 5% 1/4W
Q6802	8-729-119-80	TRANSISTOR 2SC2688-LK		R6648	1-247-863-91	CARBON	22K 5% 1/4W
Q6803	8-729-046-18	TRANSISTOR 2SC5480-01		R6649	1-215-926-00	METAL OXIDE	33K 5% 3W
Q6804	8-729-046-18	TRANSISTOR 2SC5480-01		R6651	1-247-791-91	CARBON	22 5% 1/4W
Q6805	8-729-038-83	TRANSISTOR 2SK2251-01-F19		R6652	1-249-389-11	CARBON	4.7 5% 1/4W
Q6806	8-729-047-59	TRANSISTOR STP5NB40FP		R6653	1-249-421-11	CARBON	2.2K 5% 1/4W
Q6807	8-729-030-02	TRANSISTOR DTC144ESA-TP		R6655	1-249-429-11	CARBON	10K 5% 1/4W
Q6851	8-729-043-95	TRANSISTOR 2SC3840K		R6656	1-218-265-11	METAL	8.2M 5% 1W
< RESISTOR >				R6657	1-215-421-00	METAL	1K 1% 1/4W
R6601	Δ 1-202-968-11	CEMENTED	1.2 5% 10W	R6658	1-202-933-61	FUSIBLE	0.1 10% 1/2W
R6602	1-247-863-91	CARBON	22K 5% 1/4W	R6667	1-215-441-00	METAL	6.8K 1% 1/4W
R6603	1-249-430-11	CARBON	12K 5% 1/4W	R6668	1-249-429-11	CARBON	10K 5% 1/4W
R6604	1-249-421-11	CARBON	2.2K 5% 1/4W	R6669	1-249-413-11	CARBON	470 5% 1/4W
R6605	1-249-417-11	CARBON	1K 5% 1/4W	R6676	1-249-417-11	CARBON	1K 5% 1/4W
R6606	Δ 1-202-968-11	CEMENTED	1.2 5% 10W	R6677	1-249-417-11	CARBON	1K 5% 1/4W
R6608	Δ 1-220-797-11	CEMENTED	0.47 5% 10W	R6678	1-249-417-11	CARBON	1K 5% 1/4W
R6611	Δ 1-260-125-11	CARBON	150K 5% 1/2W	R6679	1-215-479-00	METAL	270K 1% 1/4W
R6612	1-260-125-11	CARBON	150K 5% 1/2W	R6681	1-215-467-00	METAL	82K 1% 1/4W
R6613	1-216-369-00	METAL OXIDE	1 5% 2W	R6682	1-215-447-00	METAL	12K 1% 1/4W
R6614	1-260-125-11	CARBON	150K 5% 1/2W	R6683	1-215-429-00	METAL	2.2K 1% 1/4W
R6615	1-260-125-11	CARBON	150K 5% 1/2W	R6684	1-247-807-31	CARBON	100 5% 1/4W
R6616	1-216-369-00	METAL OXIDE	1 5% 2W	R6685	1-249-417-11	CARBON	1K 5% 1/4W
R6619	1-249-425-11	CARBON	4.7K 5% 1/4W	R6686	1-215-449-00	METAL	15K 1% 1/4W
R6620	1-249-443-11	CARBON	0.47 5% 1/4W	R6687	1-249-431-11	CARBON	15K 5% 1/4W
R6624	1-249-425-11	CARBON	4.7K 5% 1/4W	R6688	1-249-417-11	CARBON	1K 5% 1/4W
R6625	1-249-429-11	CARBON	10K 5% 1/4W	R6689	1-247-843-11	CARBON	3.3K 5% 1/4W
				R6690	1-249-429-11	CARBON	10K 5% 1/4W
				R6691	1-215-446-00	METAL	11K 1% 1/4W

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6692	1-215-445-00	METAL	10K 1% 1/4W	R6845	1-247-863-91	CARBON	22K 5% 1/4W
R6700	1-215-441-00	METAL	6.8K 1% 1/4W	R6851	1-260-123-11	CARBON	100K 5% 1/2W
R6701	1-215-437-00	METAL	4.7K 1% 1/4W	R6852	1-260-123-11	CARBON	100K 5% 1/2W
R6702	1-215-441-00	METAL	6.8K 1% 1/4W	R6853	1-260-123-11	CARBON	100K 5% 1/2W
R6703	1-215-437-00	METAL	4.7K 1% 1/4W	R6854	1-249-417-11	CARBON	1K 5% 1/4W
R6704	1-249-383-11	CARBON	1.5 5% 1/4W	R6856	1-216-485-11	METAL OXIDE	5.6K 5% 3W
R6705	1-247-791-91	CARBON	22 5% 1/4W	R6857	1-216-485-11	METAL OXIDE	5.6K 5% 3W
R6706	1-249-389-11	CARBON	4.7 5% 1/4W	R6858	1-215-922-11	METAL OXIDE	6.8K 5% 3W
R6707	1-215-888-00	METAL OXIDE	220 5% 2W	R6859	1-215-922-11	METAL OXIDE	6.8K 5% 3W
R6708	1-214-798-21	METAL	1.8 1% 1/2W	R6880	1-215-436-00	METAL	4.3K 1% 1/4W
R6709	1-214-798-21	METAL	1.8 1% 1/2W	R6885	1-215-493-00	METAL	1M 1% 1/4W
R6710	1-247-843-11	CARBON	3.3K 5% 1/4W	R6886	1-215-477-00	METAL	220K 1% 1/4W
R6711	1-249-418-11	CARBON	1.2K 5% 1/4W	R6887	1-215-461-00	METAL	47K 1% 1/4W
R6801	1-215-440-00	METAL	6.2K 1% 1/4W	R6888	1-249-441-11	CARBON	100K 5% 1/4W
R6802	1-214-915-00	METAL	120K 1% 1/2W	R6891	1-535-303-00	LEAD, JUMPER (5.0MM)	
R6803	1-249-421-11	CARBON	2.2K 5% 1/4W	R6892	1-535-303-00	LEAD, JUMPER (5.0MM)	
R6804	1-249-408-11	CARBON	180 5% 1/4W	R6895	1-249-443-11	CARBON	0.47 5% 1/4W
R6805	1-249-408-11	CARBON	180 5% 1/4W	R6896	1-249-443-11	CARBON	0.47 5% 1/4W
R6806	1-249-411-11	CARBON	330 5% 1/4W	R6897	1-215-485-00	METAL	470K 1% 1/4W
R6807	1-249-411-11	CARBON	330 5% 1/4W	R6898	1-215-493-00	METAL	1M 1% 1/4W
R6808	1-260-340-11	CARBON	10K 5% 1/2W	R6899	1-215-493-00	METAL	1M 1% 1/4W
R6809	1-260-340-11	CARBON	10K 5% 1/2W	< RELAY >			
R6810	1-215-920-11	METAL OXIDE	3.3K 5% 3W	RY6601	1-755-266-11	RELAY, AC POWER	
R6811	1-216-461-00	METAL OXIDE	5.6K 5% 2W	RY6602	1-755-167-11	RELAY, AC POWER	
R6812	1-215-895-11	METAL OXIDE	3.3K 5% 2W	< TRANSFORMER >			
R6813	1-215-920-11	METAL OXIDE	3.3K 5% 3W	T6600	1-431-616-11	TRANSFORMER, CONVERTER	
R6814	1-215-880-00	METAL OXIDE	10 5% 2W	T6601 Δ	1-433-516-11	TRANSFORMER, CONVERTER (PIT)	
R6815	1-215-880-00	METAL OXIDE	10 5% 2W	T6651	1-431-732-21	TRANSFORMER, CONVERTER (SRT)	
R6816	1-216-361-00	METAL OXIDE	0.22 5% 2W	T6801	1-433-489-31	TRANSFORMER, FERRITE (HDT)	
R6817	1-216-361-00	METAL OXIDE	0.22 5% 2W	T6802	1-433-489-31	TRANSFORMER, FERRITE (HDT)	
R6818	1-249-405-11	CARBON	100 5% 1/4W	T6804 Δ	1-453-340-11	TRANSFORMER ASSY, FLYBACK (NX-4522//U)	
R6819	1-247-807-31	CARBON	100 5% 1/4W	T6852	1-433-487-11	TRANSFORMER, FERRITE (DFT)	
R6820	1-216-391-11	METAL OXIDE	1.5 5% 3W	< THERMISTOR >			
R6821	1-216-391-11	METAL OXIDE	1.5 5% 3W	TH6600	1-809-827-11	THERMISTOR, POSITIVE	
R6831	1-260-124-11	CARBON	120K 5% 1/2W	TH6700	1-800-193-00	THERMISTOR	
R6832	1-216-434-11	METAL OXIDE	1.8K 5% 1W				
R6833	1-202-972-61	FUSIBLE	1 5% 1/4W				
R6834	1-535-303-00	LEAD, JUMPER (5.0M)					
R6835	1-260-288-11	CARBON	0.47 5% 1/2W				
R6836	1-249-432-11	CARBON	18K 5% 1/4W				
R6837	1-215-919-11	METAL OXIDE	2.2K 5% 3W				
R6838	1-214-905-11	METAL	47K 1% 1/2W				
R6839	1-215-919-11	METAL OXIDE	2.2K 5% 3W				
R6840	1-247-843-11	CARBON	3.3K 5% 1/4W				
R6842	1-260-123-11	CARBON	100K 5% 1/2W				
R6843	1-249-429-11	CARBON	10K 5% 1/4W				
R6844	1-249-441-11	CARBON	100K 5% 1/4W				

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The components identified by shading and marked Δ are critical for safety
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D1

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< CONNECTOR >				IC6353	8-759-231-53	IC L7805CV	
CN6502	*1-568-881-51	PIN, CONNECTOR 6P		IC6354	8-759-325-48	IC CA0005AD	
CN6600	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		IC6355	8-759-008-70	IC LM358N	
CN6601	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P		IC6356	8-759-822-38	IC LA6510	
CN6622	*1-568-878-51	PIN, CONNECTOR 3P		< FILTER >			
CN6623	*1-568-878-51	PIN, CONNECTOR 3P		LF6350	1-406-989-21	INDUCTOR 10MH	
CN6633	*1-568-878-51	PIN, CONNECTOR 3P		LF6351	1-406-989-21	INDUCTOR 10MH	
< DIODE >				< IC LINK >			
D6102	8-719-914-43	DIODE DAN202K-T-146		PS6376 Δ 1-532-637-00 LINK, IC 1A (ICP-N25)			
D6104	8-719-914-43	DIODE DAN202K-T-146		< TRANSISTOR >			
D6105	8-719-914-43	DIODE DAN202K-T-146		Q6100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6107	8-719-914-43	DIODE DAN202K-T-146		Q6101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6108	8-719-921-40	DIODE MTZJ-T-77-4.7B		Q6102	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6127	8-719-914-43	DIODE DAN202K-T-146		Q6103	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6128	8-719-914-43	DIODE DAN202K-T-146		Q6104	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6129	8-719-914-43	DIODE DAN202K-T-146		Q6105	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6198	1-535-303-00	LEAD, JUMPER (5.0MM)		Q6106	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6253	8-719-911-19	DIODE 1SS119-25TD		Q6107	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6254	1-535-303-00	LEAD, JUMPER (5.0MM)		Q6108	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6255	8-719-914-43	DIODE DAN202K-T-146		Q6110	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6350	8-719-914-43	DIODE DAN202K-T-146		Q6112	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6351	8-719-914-43	DIODE DAN202K-T-146		Q6113	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6352	8-719-914-43	DIODE DAN202K-T-146		Q6118	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6353	8-719-987-87	DIODE ERA82-004TP1		Q6119	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6354	8-719-914-43	DIODE DAN202K-T-146		Q6120	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6355	8-719-914-43	DIODE DAN202K-T-146		Q6122	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6358	8-719-914-43	DIODE DAN202K-T-146		Q6123	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6359	8-719-302-43	DIODE RGP10GPKG23		Q6125	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6401	8-719-914-43	DIODE DAN202K-T-146		Q6126	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6402	8-719-982-03	DIODE MTZJ-T-77-3.6A		Q6127	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6403	8-719-921-63	DIODE MTZJ-T-77-7.5B		Q6128	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
D6404	8-719-914-43	DIODE DAN202K-T-146		Q6129	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D6405	8-719-921-63	DIODE MTZJ-T-77-7.5B		Q6201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
< IC >				Q6202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6100	8-759-450-95	IC LM393N		Q6250	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6101	8-759-450-95	IC LM393N		Q6251	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6102	8-759-638-79	IC NJM3404AD-W		Q6252	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
IC6103	8-759-450-95	IC LM393N		Q6253	8-729-045-04	TRANSISTOR 2SC5511	
IC6250	8-759-478-66	IC CXA8070P		Q6254	8-729-045-05	TRANSISTOR 2SA2005	
IC6251	8-759-903-16	IC LM318P		Q6350	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC6302	8-752-072-94	IC CXA1875AM-T4		Q6351	8-729-119-78	TRANSISTOR 2SC1740S-RT	
IC6350	8-759-008-70	IC LM358N		Q6352	8-729-140-97	TRANSISTOR 2SB734-T-3	
IC6351	8-759-450-95	IC LM393N		Q6353	8-729-140-97	TRANSISTOR 2SB734-T-3	
IC6352	8-759-450-95	IC LM393N		Q6354	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6356	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R6137	1-216-691-11	METAL CHIP 47K 0.5%	1/10W
Q6358	8-729-038-83	TRANSISTOR 2SK2251-01-F19		R6138	1-216-691-11	METAL CHIP 47K 0.5%	1/10W
Q6401	1-801-806-11	TRANSISTOR DTC144EKA-T146		R6139	1-216-691-11	METAL CHIP 47K 0.5%	1/10W
Q6402	1-801-806-11	TRANSISTOR DTC144EKA-T146		R6140	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
Q6403	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R6141	1-216-683-11	METAL CHIP 22K 0.5%	1/10W
Q6404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R6142	1-216-672-11	METAL CHIP 7.5K 0.5%	1/10W
Q6405	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R6143	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
Q6455	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R6144	1-216-089-91	RES-CHIP 47K 5%	1/10W
Q6465	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R6145	1-216-295-91	SHORT 0	
				R6146	1-216-667-11	METAL CHIP 4.7K 0.5%	1/10W
		< RESISTOR >					
R6100	1-216-033-00	RES-CHIP 220 5%	1/10W	R6148	1-216-295-91	SHORT 0	
R6101	1-216-033-00	RES-CHIP 220 5%	1/10W	R6149	1-216-025-91	RES-CHIP 100 5%	1/10W
R6102	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6154	1-216-651-11	METAL CHIP 1K 0.5%	1/10W
R6103	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6155	1-216-667-11	METAL CHIP 4.7K 0.5%	1/10W
R6104	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6158	1-216-663-11	METAL CHIP 3.3K 0.5%	1/10W
R6105	1-216-049-91	RES-CHIP 1K 5%	1/10W	R6159	1-216-295-91	SHORT 0	
R6106	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6160	1-216-295-91	SHORT 0	
R6107	1-216-659-11	METAL CHIP 2.2K 0.5%	1/10W	R6161	1-216-673-11	METAL CHIP 8.2K 0.5%	1/10W
R6108	1-216-659-11	METAL CHIP 2.2K 0.5%	1/10W	R6162	1-216-049-91	RES-CHIP 1K 5%	1/10W
R6109	1-216-683-11	METAL CHIP 22K 0.5%	1/10W	R6165	1-216-699-91	METAL CHIP 100K 0.5%	1/10W
R6110	1-216-683-11	METAL CHIP 22K 0.5%	1/10W	R6168	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6111	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6169	1-216-699-91	METAL CHIP 100K 0.5%	1/10W
R6112	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6170	1-216-037-00	RES-CHIP 330 5%	1/10W
R6113	1-216-073-00	RES-CHIP 10K 5%	1/10W	R6171	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6114	1-216-073-00	RES-CHIP 10K 5%	1/10W	R6174	1-216-075-00	RES-CHIP 12K 5%	1/10W
R6115	1-216-089-91	RES-CHIP 47K 5%	1/10W	R6175	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R6116	1-216-089-91	RES-CHIP 47K 5%	1/10W	R6176	1-216-083-00	RES-CHIP 27K 5%	1/10W
R6117	1-216-073-00	RES-CHIP 10K 5%	1/10W	R6177	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6118	1-216-073-00	RES-CHIP 10K 5%	1/10W	R6179	1-216-295-91	SHORT 0	
R6119	1-216-073-00	RES-CHIP 10K 5%	1/10W	R6180	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6120	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6182	1-216-089-91	RES-CHIP 47K 5%	1/10W
R6121	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6183	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6122	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6186	1-216-061-00	RES-CHIP 3.3K 5%	1/10W
R6123	1-216-089-91	RES-CHIP 47K 5%	1/10W	R6188	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6124	1-216-089-91	RES-CHIP 47K 5%	1/10W	R6189	1-216-051-00	RES-CHIP 1.2K 5%	1/10W
R6125	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R6190	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
R6126	1-216-037-00	RES-CHIP 330 5%	1/10W	R6191	1-215-925-11	METAL OXIDE 22K 5%	3W
R6127	1-216-663-11	METAL CHIP 3.3K 0.5%	1/10W	R6192	1-216-665-11	METAL CHIP 3.9K 0.5%	1/10W
R6128	1-216-691-11	METAL CHIP 47K 0.5%	1/10W	R6194	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R6129	1-216-691-11	METAL CHIP 47K 0.5%	1/10W	R6195	1-216-683-11	METAL CHIP 22K 0.5%	1/10W
R6130	1-218-768-11	METAL CHIP 470K 0.5%	1/10W	R6196	1-249-377-11	CARBON 0.47 5%	1/4W
R6131	1-216-037-00	RES-CHIP 330 5%	1/10W	R6198	1-216-081-00	RES-CHIP 22K 5%	1/10W
R6132	1-216-037-00	RES-CHIP 330 5%	1/10W	R6199	1-216-075-00	RES-CHIP 12K 5%	1/10W
R6133	1-216-037-00	RES-CHIP 330 5%	1/10W	R6205	1-216-025-91	RES-CHIP 100 5%	1/10W
R6135	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	R6206	1-216-105-91	RES-CHIP 220K 5%	1/10W
R6136	1-216-691-11	METAL CHIP 47K 0.5%	1/10W	R6207	1-216-099-00	RES-CHIP 120K 5%	1/10W
				R6208	1-216-089-91	RES-CHIP 47K 5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6210	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6358	1-216-047-91	RES-CHIP	820 5% 1/10W
R6211	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6359	1-216-097-91	RES-CHIP	100K 5% 1/10W
R6212	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6360	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6215	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	R6361	1-216-097-91	RES-CHIP	100K 5% 1/10W
R6216	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6362	1-216-687-11	METAL CHIP	33K 0.5% 1/10W
R6217	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6363	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6218	1-216-295-91	SHORT	0	R6364	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6254	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6365	1-216-033-00	RES-CHIP	220 5% 1/10W
R6255	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6366	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R6256	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6367	1-216-679-11	METAL CHIP	15K 0.5% 1/10W
R6257	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R6368	1-218-758-11	METAL CHIP	180K 0.5% 1/10W
R6258	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6369	1-218-762-11	METAL CHIP	270K 0.5% 1/10W
R6259	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6370	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6260	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6371	1-216-473-11	METAL OXIDE	56 5% 3W
R6261	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6372	1-216-033-00	RES-CHIP	220 5% 1/10W
R6262	1-260-321-71	CARBON	270 5% 1/2W	R6373	1-216-681-11	METAL CHIP	18K 0.5% 1/10W
R6263	1-216-025-91	RES-CHIP	100 5% 1/10W	R6374	1-216-689-11	METAL CHIP	39K 0.5% 1/10W
R6264	1-216-025-91	RES-CHIP	100 5% 1/10W	R6375	1-216-041-00	RES-CHIP	470 5% 1/10W
R6265	1-216-097-91	RES-CHIP	100K 5% 1/10W	R6377	1-216-689-11	METAL CHIP	39K 0.5% 1/10W
R6267	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6378	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6268	1-216-081-00	RES-CHIP	22K 5% 1/10W	R6379	1-216-295-91	SHORT	0
R6269	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W	R6380	1-218-754-11	METAL CHIP	120K 0.5% 1/10W
R6270	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W	R6381	1-216-045-00	RES-CHIP	680 5% 1/10W
R6271	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	R6382	1-218-754-11	METAL CHIP	120K 0.5% 1/10W
R6276	1-216-678-11	METAL CHIP	13K 0.5% 1/10W	R6383	1-216-687-11	METAL CHIP	33K 0.5% 1/10W
R6277	1-216-677-11	METAL CHIP	12K 0.5% 1/10W	R6384	1-216-043-91	RES-CHIP	560 5% 1/10W
R6278	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6385	1-216-295-91	SHORT	0
R6279	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6386	1-216-699-91	METAL CHIP	100K 0.5% 1/10W
R6280	1-212-849-00	FUSIBLE	4.7 5% 1/4W	R6387	1-216-677-11	METAL CHIP	12K 0.5% 1/10W
R6281	1-212-849-00	FUSIBLE	4.7 5% 1/4W	R6391	1-249-417-11	CARBON	1K 5% 1/4W
R6282	1-215-886-11	METAL OXIDE	100 5% 2W	R6394	1-216-069-00	RES-CHIP	6.8K 5% 1/10W
R6283	1-216-393-00	METAL OXIDE	2.2 5% 3W	R6395	1-216-081-00	RES-CHIP	22K 5% 1/10W
R6284	1-216-101-00	RES-CHIP	150K 5% 1/10W	R6397	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6285	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6398	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R6286	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6399	1-218-758-11	METAL CHIP	180K 0.5% 1/10W
R6287	1-216-073-00	RES-CHIP	10K 5% 1/10W	R6400	1-216-675-91	METAL CHIP	10K 0.5% 1/10W
R6313	1-216-295-91	SHORT	0	R6401	1-216-295-91	SHORT	0
R6322	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6402	1-216-295-91	SHORT	0
R6323	1-216-049-91	RES-CHIP	1K 5% 1/10W	R6403	1-216-661-11	METAL CHIP	2.7K 0.5% 1/10W
R6324	1-216-025-91	RES-CHIP	100 5% 1/10W	R6404	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6325	1-216-025-91	RES-CHIP	100 5% 1/10W	R6405	1-216-683-11	METAL CHIP	22K 0.5% 1/10W
R6350	1-216-089-91	RES-CHIP	47K 5% 1/10W	R6409	1-216-025-91	RES-CHIP	100 5% 1/10W
R6351	1-218-762-11	METAL CHIP	270K 0.5% 1/10W	R6410	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6353	1-216-668-11	METAL CHIP	5.1K 0.5% 1/10W	R6411	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6355	1-218-774-11	METAL CHIP	820K 0.5% 1/10W	R6412	1-216-073-00	RES-CHIP	10K 5% 1/10W
R6356	1-216-675-91	METAL CHIP	10K 0.5% 1/10W	R6413	1-216-679-11	METAL CHIP	15K 0.5% 1/10W
R6357	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6414	1-216-683-11	METAL CHIP	22K 0.5% 1/10W

E

***A-1640-381-A E Board, Complete**

C4316	1-104-664-11	ELECT	47UF	20.00%	25V
C4317	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4318	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4319	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4320	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4321	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4322	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4324	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C4325	1-163-093-00	CERAMIC CHIP	10PF	5.00%	50V
C4329	1-126-963-11	ELECT	4.7UF	20.00%	50V
C4330	1-137-581-11	FILM	0.1UF	5.00%	100V

< CONNECTOR >

< DIODE >

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D4312	8-719-914-43	DIODE DAN202K-T-146		R4331	1-216-073-00	RES-CHIP 10K 5%	1/10W
D4313	8-719-401-63	DIODE MA3062M-TX		R4332	1-216-073-00	RES-CHIP 10K 5%	1/10W
< FERRITE BEAD >				R4333	1-216-073-00	RES-CHIP 10K 5%	1/10W
FB4387	1-414-234-22	INDUCTOR CHIP 0UH		R4334	1-216-025-91	RES-CHIP 100 5%	1/10W
FB4388	1-414-234-22	INDUCTOR CHIP 0UH		R4335	1-216-025-91	RES-CHIP 100 5%	1/10W
FB4389	1-414-234-22	INDUCTOR CHIP 0UH		R4336	1-216-025-91	RES-CHIP 100 5%	1/10W
< IC >				R4337	1-216-025-91	RES-CHIP 100 5%	1/10W
IC4301	8-752-090-88	IC CXA2100AQ-TL		R4339	1-216-049-91	RES-CHIP 1K 5%	1/10W
< COIL >				R4340	1-216-111-00	RES-CHIP 390K 5%	1/10W
L4301	1-414-183-41	INDUCTOR 10UH		R4341	1-216-295-91	SHORT 0	
L4302	1-414-183-41	INDUCTOR 10UH		R4343	1-216-025-91	RES-CHIP 100 5%	1/10W
L4303	1-414-183-41	INDUCTOR 10UH		R4344	1-216-025-91	RES-CHIP 100 5%	1/10W
L4304	1-414-183-41	INDUCTOR 10UH		R4345	1-216-677-11	METAL CHIP 12K 0.5%	1/10W
L4305	1-414-183-41	INDUCTOR 10UH		R4346	1-216-681-91	METAL CHIP 18K 0.5%	1/10W
L4306	1-414-183-41	INDUCTOR 10UH		R4347	1-216-025-91	RES-CHIP 100 5%	1/10W
L4308	1-414-186-31	INDUCTOR 33UH		R4348	1-216-025-91	RES-CHIP 100 5%	1/10W
L4309	1-414-186-31	INDUCTOR 33UH		R4350	1-216-025-91	RES-CHIP 100 5%	1/10W
< TRANSISTOR >				R4354	1-216-675-91	METAL CHIP 10K 0.5%	1/10W
Q4304	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4355	1-216-009-91	RES-CHIP 22 5%	1/10W
Q4307	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4356	1-216-009-91	RES-CHIP 22 5%	1/10W
Q4308	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4357	1-216-009-91	RES-CHIP 22 5%	1/10W
Q4309	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4358	1-216-071-00	RES-CHIP 8.2K 5%	1/10W
Q4310	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4359	1-216-041-00	RES-CHIP 470 5%	1/10W
Q4311	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4360	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
Q4312	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4361	1-216-133-00	RES-CHIP 3.3M 5%	1/10W
Q4313	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4363	1-216-025-91	RES-CHIP 100 5%	1/10W
Q4315	1-801-806-11	TRANSISTOR DTC144EKA-T146		R4365	1-216-025-91	RES-CHIP 100 5%	1/10W
Q4316	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R4366	1-216-025-91	RES-CHIP 100 5%	1/10W
Q4317	8-729-900-53	TRANSISTOR DTC114EKA-T146		R4367	1-216-025-91	RES-CHIP 100 5%	1/10W
< RESISTOR >				R4370	1-216-089-91	RES-CHIP 47K 5%	1/10W
R4301	1-216-025-91	RES-CHIP 100 5%	1/10W	R4371	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R4302	1-216-025-91	RES-CHIP 100 5%	1/10W	R4372	1-216-049-91	RES-CHIP 1K 5%	1/10W
R4303	1-216-025-91	RES-CHIP 100 5%	1/10W	R4373	1-216-073-00	RES-CHIP 10K 5%	1/10W
R4304	1-216-025-91	RES-CHIP 100 5%	1/10W	R4374	1-216-049-91	RES-CHIP 1K 5%	1/10W
R4305	1-216-025-91	RES-CHIP 100 5%	1/10W	R4375	1-216-049-91	RES-CHIP 1K 5%	1/10W
R4306	1-216-025-91	RES-CHIP 100 5%	1/10W	R4376	1-216-049-91	RES-CHIP 1K 5%	1/10W
R4307	1-216-045-00	RES-CHIP 680 5%	1/10W	R4377	1-216-049-91	RES-CHIP 1K 5%	1/10W
R4308	1-216-045-00	RES-CHIP 680 5%	1/10W	R4378	1-216-101-00	RES-CHIP 150K 5%	1/10W
R4309	1-216-045-00	RES-CHIP 680 5%	1/10W	R4379	1-216-091-00	RES-CHIP 56K 5%	1/10W
R4313	1-216-065-91	RES-CHIP 4.7K 5%	1/10W	R4380	1-216-073-00	RES-CHIP 10K 5%	1/10W
R4314	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R4381	1-216-125-00	RES-CHIP 1.5M 5%	1/10W
				R4382	1-216-073-00	RES-CHIP 10K 5%	1/10W
				R4383	1-216-089-91	RES-CHIP 47K 5%	1/10W
				R4384	1-216-025-91	RES-CHIP 100 5%	1/10W
				R4387	1-216-031-00	RES-CHIP 180 5%	1/10W
				R4388	1-216-031-00	RES-CHIP 180 5%	1/10W
				R4389	1-216-031-00	RES-CHIP 180 5%	1/10W



REF.NO. PART.NO DESCRIPTION REMARK

R4394 1-216-025-91 RES-CHIP 100 5% 1/10W
R4395 1-216-295-91 SHORT 0
R4396 1-216-295-91 SHORT 0
R4398 1-216-025-91 RES-CHIP 100 5% 1/10W
R4399 1-216-025-91 RES-CHIP 100 5% 1/10W

R4401 1-216-107-00 RES-CHIP 270K 5% 1/10W
R4507 1-216-129-00 RES-CHIP 2.2M 5% 1/10W
R4518 1-216-025-91 RES-CHIP 100 5% 1/10W
R4519 1-216-073-00 RES-CHIP 10K 5% 1/10W
R4520 1-216-295-91 SHORT 0

R4521 1-216-295-91 SHORT 0
R4522 1-216-073-00 RES-CHIP 10K 5% 1/10W

< CRYSTAL >

X4300 1-767-127-11 VIBRATOR, CERAMIC

***A-1651-133-A J Board, Complete**

< CAPACITOR >

C8105 1-126-933-11 ELECT 100UF 20.00% 16V
C8106 1-126-933-11 ELECT 100UF 20.00% 16V
C8107 1-126-935-11 ELECT 470UF 20.00% 16V
C8108 1-126-933-11 ELECT 100UF 20.00% 16V
C8109 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V

C8110 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8111 1-126-933-11 ELECT 100UF 20.00% 16V
C8112 1-107-715-11 ELECT 22UF 20.00% 16V
C8144 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8145 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V

C8150 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V
C8151 1-163-017-00 CERAMIC CHIP 0.0047UF 10.00% 50V
C8152 1-164-346-11 CERAMIC CHIP 1UF 16V
C8153 1-107-682-11 CERAMIC CHIP 1UF 10.00% 16V
C8154 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V

C8155 1-107-682-11 CERAMIC CHIP 1UF 10.00% 16V
C8156 1-164-505-11 CERAMIC CHIP 2.2UF 16V
C8157 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8159 1-104-664-11 ELECT 47UF 20.00% 16V
C8200 1-104-664-11 ELECT 47UF 20.00% 16V

C8201 1-163-241-11 CERAMIC CHIP 39PF 5.00% 50V
C8202 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8203 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8204 1-164-506-11 CERAMIC CHIP 4.7UF 16V
C8205 1-165-319-11 CERAMIC CHIP 0.1UF 50V

C8208 1-164-506-11 CERAMIC CHIP 4.7UF 16V
C8209 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V
C8210 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V

REF.NO. PART.NO DESCRIPTION REMARK

C8211 1-163-243-11 CERAMIC CHIP 47PF 5.00% 50V
C8212 1-163-243-11 CERAMIC CHIP 47PF 5.00% 50V
C8213 1-163-087-00 CERAMIC CHIP 4PF 0.25PF 50V
C8214 1-163-087-00 CERAMIC CHIP 4PF 0.25PF 50V
C8215 1-163-243-11 CERAMIC CHIP 47PF 5.00% 50V

C8216 1-126-933-11 ELECT 100UF 20.00% 16V
C8217 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8218 1-126-964-11 ELECT 10UF 20.00% 50V
C8219 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8220 1-126-964-11 ELECT 10UF 20.00% 50V

C8221 1-104-664-11 ELECT 47UF 20.00% 16V
C8222 1-104-664-11 ELECT 47UF 20.00% 16V
C8223 1-104-664-11 ELECT 47UF 20.00% 16V
C8224 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8225 1-104-664-11 ELECT 47UF 20.00% 16V

C8227 1-163-009-11 CERAMIC CHIP 0.001UF 10.00% 50V
C8228 1-163-009-11 CERAMIC CHIP 0.001UF 10.00% 50V
C8229 1-163-009-11 CERAMIC CHIP 0.001UF 10.00% 50V
C8230 1-163-009-11 CERAMIC CHIP 0.001UF 10.00% 50V
C8231 1-163-009-11 CERAMIC CHIP 0.001UF 10.00% 50V

C8232 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V
C8233 1-104-664-11 ELECT 47UF 20.00% 16V
C8234 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8235 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8236 1-126-933-11 ELECT 100UF 20.00% 16V

C8237 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8238 1-164-505-11 CERAMIC CHIP 2.2UF 16V
C8239 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8240 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8241 1-126-964-11 ELECT 10UF 20.00% 50V

C8242 1-104-664-11 ELECT 47UF 20.00% 16V
C8301 1-163-037-11 CERAMIC CHIP 0.022UF 10.00% 50V
C8302 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8303 1-126-933-11 ELECT 100UF 20.00% 16V
C8304 1-115-340-11 CERAMIC CHIP 0.22UF 10.00% 25V

C8305 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8306 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V
C8307 1-115-340-11 CERAMIC CHIP 0.22UF 10.00% 25V
C8308 1-115-340-11 CERAMIC CHIP 0.22UF 10.00% 25V
C8309 1-126-961-11 ELECT 2.2UF 20.00% 50V

C8311 1-104-664-11 ELECT 47UF 20.00% 16V
C8313 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8314 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V
C8318 1-104-664-11 ELECT 47UF 20.00% 16V
C8321 1-104-664-11 ELECT 47UF 20.00% 16V

C8322 1-163-227-11 CERAMIC CHIP 10PF 0.50PF 50V
C8323 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8324	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8507	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8325	1-126-964-11	ELECT 10UF	20.00% 50V	C8508	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8326	1-104-664-11	ELECT 47UF	20.00% 16V	C8509	1-126-933-11	ELECT 100UF	20.00% 16V
C8327	1-107-682-11	CERAMIC CHIP 1UF	10.00% 16V	C8510	1-104-664-11	ELECT 47UF	20.00% 16V
C8328	1-104-664-11	ELECT 47UF	20.00% 16V	C8511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8329	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8331	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8514	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8515	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8334	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8516	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8335	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8517	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8336	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8518	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8519	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8520	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8345	1-164-346-11	CERAMIC CHIP 1UF	16V	C8521	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8346	1-126-963-11	ELECT 4.7UF	20.00% 50V	C8601	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8349	1-163-113-00	CERAMIC CHIP 68PF	5.00% 50V	C8602	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8401	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C8605	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8402	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C8606	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8403	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8607	1-104-664-11	ELECT 47UF	20.00% 16V
C8404	1-126-961-11	ELECT 2.2UF	20.00% 50V	C8608	1-104-664-11	ELECT 47UF	20.00% 16V
C8405	1-104-664-11	ELECT 47UF	20.00% 16V	C8609	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8406	1-104-664-11	ELECT 47UF	20.00% 16V	C8610	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8407	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8611	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8408	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8612	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8409	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8613	1-104-664-11	ELECT 47UF	20.00% 16V
C8410	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8614	1-104-664-11	ELECT 47UF	20.00% 16V
C8411	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8700	1-126-964-11	ELECT 10UF	20.00% 50V
C8412	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8701	1-104-664-11	ELECT 47UF	20.00% 16V
C8413	1-104-664-11	ELECT 47UF	20.00% 16V	C8702	1-163-133-00	CERAMIC CHIP 470PF	5.00% 50V
C8414	1-104-664-11	ELECT 47UF	20.00% 16V	C8703	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8415	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C8704	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8416	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8705	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8417	1-164-346-11	CERAMIC CHIP 1UF	16V	C8706	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C8418	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8707	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C8419	1-126-964-11	ELECT 10UF	20.00% 50V	C8708	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8420	1-104-664-11	ELECT 47UF	20.00% 16V	C8709	1-126-964-11	ELECT 10UF	20.00% 50V
C8421	1-126-933-11	ELECT 100UF	20.00% 16V	C8710	1-126-933-11	ELECT 100UF	20.00% 16V
C8423	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8804	1-126-933-11	ELECT 100UF	20.00% 16V
C8424	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C8812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8427	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8814	1-104-664-11	ELECT 47UF	20.00% 25V
C8437	1-126-963-11	ELECT 4.7UF	20.00% 50V	C8817	1-126-933-11	ELECT 100UF	20.00% 16V
C8501	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C8822	1-126-933-11	ELECT 100UF	20.00% 16V
C8503	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8823	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8824	1-104-664-11	ELECT 47UF	20.00% 25V
C8505	1-126-933-11	ELECT 100UF	20.00% 16V	C8825	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8506	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V	C8826	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8827	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8902	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8828	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8903	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8829	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8904	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8830	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8905	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8831	1-126-964-11	ELECT 10UF	20.00% 50V	C8906	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8832	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8907	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8833	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8908	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8834	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8909	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8835	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8910	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8836	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8911	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C8837	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8914	1-126-933-11	ELECT 100UF	20.00% 16V
C8838	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8977	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C8839	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C8978	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C8840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	< FILTER >			
C8841	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CF8150	1-760-106-11	FILTER, CERAMIC	
C8842	1-104-664-11	ELECT 47UF	20.00% 16V	CF8151	1-567-100-00	FILTER, CERAMIC	
C8843	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CF8152	1-760-450-21	FILTER, CERAMIC	
C8844	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
C8846	1-126-933-11	ELECT 100UF	20.00% 16V	< CONNECTOR >			
C8847	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	CN8101	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
C8849	1-164-346-11	CERAMIC CHIP 1UF	16V	CN8900	1-561-534-41	SOCKET, PIN 21P	
C8850	1-164-346-11	CERAMIC CHIP 1UF	16V	CN8901	1-695-293-11	SOCKET 21P	
C8851	1-126-967-11	ELECT 47UF	20.00% 50V	CN8902	1-695-293-11	SOCKET 21P	
C8852	1-164-346-11	CERAMIC CHIP 1UF	16V	< DIODE >			
C8853	1-126-967-11	ELECT 47UF	20.00% 50V	D8150	8-719-421-57	DIODE MA73-TX	
C8854	1-164-346-11	CERAMIC CHIP 1UF	16V	D8151	8-719-421-57	DIODE MA73-TX	
C8855	1-164-346-11	CERAMIC CHIP 1UF	16V	D8152	8-719-421-57	DIODE MA73-TX	
C8856	1-164-346-11	CERAMIC CHIP 1UF	16V	D8153	8-719-056-83	DIODE UDZ-TE-17-6.8B	
C8857	1-164-346-11	CERAMIC CHIP 1UF	16V	D8200	8-719-158-49	DIODE UDZ-TE-17-12B	
C8858	1-164-346-11	CERAMIC CHIP 1UF	16V	D8201	8-719-158-49	DIODE UDZ-TE-17-12B	
C8859	1-164-346-11	CERAMIC CHIP 1UF	16V	D8202	8-719-158-49	DIODE UDZ-TE-17-12B	
C8860	1-164-346-11	CERAMIC CHIP 1UF	16V	D8203	8-719-158-49	DIODE UDZ-TE-17-12B	
C8861	1-164-346-11	CERAMIC CHIP 1UF	16V	D8801	8-719-158-49	DIODE UDZ-TE-17-12B	
C8862	1-164-346-11	CERAMIC CHIP 1UF	16V	D8802	8-719-158-49	DIODE UDZ-TE-17-12B	
C8863	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8803	8-719-158-49	DIODE UDZ-TE-17-12B	
C8864	1-164-346-11	CERAMIC CHIP 1UF	16V	D8804	8-719-158-49	DIODE UDZ-TE-17-12B	
C8865	1-104-664-11	ELECT 47UF	20.00% 16V	D8805	8-719-158-49	DIODE UDZ-TE-17-12B	
C8866	1-164-346-11	CERAMIC CHIP 1UF	16V	D8806	8-719-158-49	DIODE UDZ-TE-17-12B	
C8867	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8807	8-719-158-49	DIODE UDZ-TE-17-12B	
C8868	1-126-964-11	ELECT 10UF	20.00% 50V	D8808	8-719-158-49	DIODE UDZ-TE-17-12B	
C8869	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8809	8-719-158-49	DIODE UDZ-TE-17-12B	
C8896	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8810	8-719-158-49	DIODE UDZ-TE-17-12B	
C8897	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8811	8-719-158-49	DIODE UDZ-TE-17-12B	
C8898	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	D8812	8-719-158-49	DIODE UDZ-TE-17-12B	
C8899	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V				
C8900	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V				
C8901	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D8813	8-719-158-49	DIODE UDZ-TE-17-12B		IC8302	8-759-485-79	IC TC7SET08FU (TE85R)	
D8814	8-719-158-49	DIODE UDZ-TE-17-12B		IC8401	8-752-096-08	IC CXA2123BQ-T6	
D8900	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8402	8-759-485-79	IC TC7SET08FU (TE85R)	
D8901	8-719-158-49	DIODE UDZ-TE-17-12B		IC8500	8-752-390-37	IC CXD2064Q-T6	
D8902	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8601	8-759-182-88	IC PQ09TZ5U	
D8903	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8602	8-759-576-72	IC LF50CDT-TR	
D8904	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8603	8-759-576-72	IC LF50CDT-TR	
D8905	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8604	8-759-576-72	IC LF50CDT-TR	
D8906	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC8700	8-752-390-35	IC CXD2057M-T6	
D8907	8-719-158-49	DIODE UDZ-TE-17-12B		IC8801	8-752-093-50	IC CXA2149Q-TL	
D8908	8-719-056-85	DIODE UDZ-TE-17-8.2B		< SOCKET >			
D8909	8-719-056-85	DIODE UDZ-TE-17-8.2B		J8901	1-774-747-11	JACK BLOCK, PIN	
D8910	8-719-056-85	DIODE UDZ-TE-17-8.2B		< COIL >			
D8911	8-719-056-85	DIODE UDZ-TE-17-8.2B		L8150	1-414-757-11	INDUCTOR 100UH	
D8912	8-719-158-49	DIODE UDZ-TE-17-12B		L8200	1-412-006-31	INDUCTOR CHIP 10UH	
D8913	8-719-158-49	DIODE UDZ-TE-17-12B		L8201	1-412-064-11	INDUCTOR CHIP 100UH	
D8914	8-719-158-49	DIODE UDZ-TE-17-12B		L8301	1-412-006-31	INDUCTOR CHIP 10UH	
D8915	8-719-158-49	DIODE UDZ-TE-17-12B		< TRANSISTOR >			
< FILTER >				Q8100	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8200	1-236-071-11	ENCAPSULATED COMPONENT		Q8101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8201	1-233-764-21	FILTER		Q8150	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8203	1-236-071-11	ENCAPSULATED COMPONENT		Q8151	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8302	1-236-071-11	ENCAPSULATED COMPONENT		Q8152	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8304	1-236-071-11	ENCAPSULATED COMPONENT		Q8153	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8308	1-236-071-11	ENCAPSULATED COMPONENT		Q8154	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8401	1-236-071-11	ENCAPSULATED COMPONENT		Q8156	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8402	1-236-071-11	ENCAPSULATED COMPONENT		Q8157	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8403	1-236-071-11	ENCAPSULATED COMPONENT		Q8200	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8500	1-236-071-11	ENCAPSULATED COMPONENT		Q8201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8501	1-236-071-11	ENCAPSULATED COMPONENT		Q8202	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8502	1-233-765-21	FILTER		Q8300	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R	
FL8503	1-233-768-21	FILTER		Q8302	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8504	1-233-766-21	FILTER		Q8303	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8700	1-236-071-11	ENCAPSULATED COMPONENT		Q8305	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8701	1-236-071-11	ENCAPSULATED COMPONENT		Q8306	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
FL8801	1-236-071-11	ENCAPSULATED COMPONENT		Q8308	8-729-038-96	TRANSISTOR IMZ1A-T109	
FL8802	1-236-071-11	ENCAPSULATED COMPONENT		Q8309	8-729-038-96	TRANSISTOR IMZ1A-T109	
< IC >				Q8310	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8101	8-759-576-76	IC TDA2822D013TR		Q8401	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC8150	8-759-478-90	IC U2861B-MFP-G3		Q8402	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC8151	8-752-072-94	IC CXA1875AM-T4		Q8403	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8200	8-759-654-42	IC MSP3410D-C5QA-B4		Q8404	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R	
IC8201	8-759-701-36	IC MC3403NS-E20		Q8405	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8202	8-759-908-15	IC TL431CZ		Q8406	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8301	8-752-096-08	IC CXA2123BQ-T6					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q8501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8167	1-216-025-91	RES-CHIP 100 5%	1/10W
Q8503	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8168	1-216-025-91	RES-CHIP 100 5%	1/10W
Q8504	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8174	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
Q8700	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8175	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
Q8809	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8176	1-216-295-91	SHORT 0	
Q8814	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8178	1-216-073-00	RES-CHIP 10K 5%	1/10W
Q8816	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8200	1-216-049-91	RES-CHIP 1K 5%	1/10W
Q8817	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8201	1-216-295-91	SHORT 0	
Q8818	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8202	1-216-021-00	RES-CHIP 68 5%	1/10W
Q8819	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8203	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
Q8820	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8204	1-216-049-91	RES-CHIP 1K 5%	1/10W
Q8901	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R8205	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
Q8902	8-729-216-22	TRANSISTOR 2SA1037K-T-146-R		R8206	1-216-049-91	RES-CHIP 1K 5%	1/10W
< RESISTOR >				R8208	1-216-037-00	RES-CHIP 330 5%	1/10W
JR8101	1-216-295-91	SHORT 0		R8209	1-216-659-11	METAL CHIP 2.2K 0.5%	1/10W
JR8402	1-216-295-91	SHORT 0		R8210	1-216-025-91	RES-CHIP 100 5%	1/10W
R8103	1-216-075-00	RES-CHIP 12K 5%	1/10W	R8211	1-216-295-91	SHORT 0	
R8104	1-216-075-00	RES-CHIP 12K 5%	1/10W	R8212	1-216-295-91	SHORT 0	
R8105	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R8213	1-216-295-91	SHORT 0	
R8106	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8216	1-216-025-91	RES-CHIP 100 5%	1/10W
R8107	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8217	1-216-025-91	RES-CHIP 100 5%	1/10W
R8108	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R8218	1-216-049-91	RES-CHIP 1K 5%	1/10W
R8109	1-249-389-11	CARBON 4.7 5%	1/4W	R8219	1-216-025-91	RES-CHIP 100 5%	1/10W
R8110	1-249-389-11	CARBON 4.7 5%	1/4W	R8220	1-216-025-91	RES-CHIP 100 5%	1/10W
R8111	1-216-033-00	RES-CHIP 220 5%	1/10W	R8221	1-216-025-91	RES-CHIP 100 5%	1/10W
R8112	1-216-033-00	RES-CHIP 220 5%	1/10W	R8222	1-216-295-91	SHORT 0	
R8115	1-216-029-00	RES-CHIP 150 5%	1/10W	R8223	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8116	1-216-029-00	RES-CHIP 150 5%	1/10W	R8224	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8117	1-216-029-00	RES-CHIP 150 5%	1/10W	R8225	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8118	1-216-029-00	RES-CHIP 150 5%	1/10W	R8226	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8150	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R8227	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8151	1-216-069-00	RES-CHIP 6.8K 5%	1/10W	R8228	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8152	1-216-035-00	RES-CHIP 270 5%	1/10W	R8229	1-216-295-91	SHORT 0	
R8153	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8230	1-216-081-00	RES-CHIP 22K 5%	1/10W
R8154	1-216-067-00	RES-CHIP 5.6K 5%	1/10W	R8231	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8155	1-216-043-91	RES-CHIP 560 5%	1/10W	R8232	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8156	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8233	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8157	1-216-067-00	RES-CHIP 5.6K 5%	1/10W	R8234	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8158	1-216-043-91	RES-CHIP 560 5%	1/10W	R8235	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8159	1-216-081-00	RES-CHIP 22K 5%	1/10W	R8236	1-216-089-91	RES-CHIP 47K 5%	1/10W
R8160	1-216-067-00	RES-CHIP 5.6K 5%	1/10W	R8237	1-216-043-91	RES-CHIP 560 5%	1/10W
R8161	1-216-043-91	RES-CHIP 560 5%	1/10W	R8238	1-216-063-91	RES-CHIP 3.9K 5%	1/10W
R8162	1-216-049-91	RES-CHIP 1K 5%	1/10W	R8239	1-216-069-00	RES-CHIP 6.8K 5%	1/10W
R8163	1-216-295-91	SHORT 0		R8240	1-216-651-11	METAL CHIP 1K 0.5%	1/10W
R8164	1-216-295-91	SHORT 0		R8243	1-216-021-00	RES-CHIP 68 5%	1/10W
R8165	1-216-295-91	SHORT 0		R8300	1-216-295-91	SHORT 0	
				R8302	1-216-017-91	RES-CHIP 47 5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8306	1-216-083-00	RES-CHIP	27K 5% 1/10W	R8417	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8307	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8418	1-216-295-91	SHORT	0
R8308	1-216-039-00	RES-CHIP	390 5% 1/10W	R8419	1-216-041-00	RES-CHIP	470 5% 1/10W
R8309	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8420	1-216-041-00	RES-CHIP	470 5% 1/10W
R8310	1-216-037-00	RES-CHIP	330 5% 1/10W	R8421	1-216-041-00	RES-CHIP	470 5% 1/10W
R8312	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8422	1-216-037-00	RES-CHIP	330 5% 1/10W
R8313	1-216-081-00	RES-CHIP	22K 5% 1/10W	R8423	1-216-041-00	RES-CHIP	470 5% 1/10W
R8314	1-216-295-91	SHORT	0	R8424	1-216-041-00	RES-CHIP	470 5% 1/10W
R8315	1-216-121-91	RES-CHIP	1M 5% 1/10W	R8425	1-216-041-00	RES-CHIP	470 5% 1/10W
R8316	1-216-037-00	RES-CHIP	330 5% 1/10W	R8426	1-216-017-91	RES-CHIP	47 5% 1/10W
R8317	1-216-295-91	SHORT	0	R8427	1-216-017-91	RES-CHIP	47 5% 1/10W
R8318	1-216-295-91	SHORT	0	R8428	1-216-017-91	RES-CHIP	47 5% 1/10W
R8319	1-216-295-91	SHORT	0	R8429	1-216-041-00	RES-CHIP	470 5% 1/10W
R8320	1-216-041-00	RES-CHIP	470 5% 1/10W	R8430	1-216-037-00	RES-CHIP	330 5% 1/10W
R8322	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8431	1-216-041-00	RES-CHIP	470 5% 1/10W
R8323	1-216-017-91	RES-CHIP	47 5% 1/10W	R8432	1-216-041-00	RES-CHIP	470 5% 1/10W
R8324	1-216-041-00	RES-CHIP	470 5% 1/10W	R8433	1-216-041-00	RES-CHIP	470 5% 1/10W
R8326	1-216-017-91	RES-CHIP	47 5% 1/10W	R8435	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8328	1-216-025-91	RES-CHIP	100 5% 1/10W	R8436	1-216-079-00	RES-CHIP	18K 5% 1/10W
R8329	1-216-025-91	RES-CHIP	100 5% 1/10W	R8437	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8330	1-216-041-00	RES-CHIP	470 5% 1/10W	R8438	1-216-079-00	RES-CHIP	18K 5% 1/10W
R8331	1-216-041-00	RES-CHIP	470 5% 1/10W	R8439	1-216-295-91	SHORT	0
R8332	1-216-041-00	RES-CHIP	470 5% 1/10W	R8506	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8333	1-216-041-00	RES-CHIP	470 5% 1/10W	R8507	1-216-295-91	SHORT	0
R8334	1-216-041-00	RES-CHIP	470 5% 1/10W	R8508	1-216-043-91	RES-CHIP	560 5% 1/10W
R8336	1-216-041-00	RES-CHIP	470 5% 1/10W	R8509	1-216-031-00	RES-CHIP	180 5% 1/10W
R8337	1-216-041-00	RES-CHIP	470 5% 1/10W	R8510	1-216-067-00	RES-CHIP	5.6K 5% 1/10W
R8338	1-216-017-91	RES-CHIP	47 5% 1/10W	R8511	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8339	1-216-017-91	RES-CHIP	47 5% 1/10W	R8512	1-216-295-91	SHORT	0
R8340	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R8514	1-216-017-91	RES-CHIP	47 5% 1/10W
R8341	1-216-041-00	RES-CHIP	470 5% 1/10W	R8517	1-216-295-91	SHORT	0
R8344	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8519	1-216-037-00	RES-CHIP	330 5% 1/10W
R8345	1-216-079-00	RES-CHIP	18K 5% 1/10W	R8520	1-216-041-00	RES-CHIP	470 5% 1/10W
R8346	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8521	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
R8347	1-216-079-00	RES-CHIP	18K 5% 1/10W	R8522	1-216-041-00	RES-CHIP	470 5% 1/10W
R8350	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8523	1-216-033-00	RES-CHIP	220 5% 1/10W
R8401	1-216-295-91	SHORT	0	R8525	1-216-295-91	SHORT	0
R8402	1-216-295-91	SHORT	0	R8526	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
R8403	1-216-083-00	RES-CHIP	27K 5% 1/10W	R8527	1-216-047-91	RES-CHIP	820 5% 1/10W
R8405	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R8528	1-216-047-91	RES-CHIP	820 5% 1/10W
R8406	1-216-017-91	RES-CHIP	47 5% 1/10W	R8529	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R8407	1-216-049-91	RES-CHIP	1K 5% 1/10W	R8530	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8408	1-216-039-00	RES-CHIP	390 5% 1/10W	R8531	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R8409	1-216-017-91	RES-CHIP	47 5% 1/10W	R8532	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8412	1-216-025-91	RES-CHIP	100 5% 1/10W	R8700	1-216-049-91	RES-CHIP	1K 5% 1/10W
R8413	1-216-025-91	RES-CHIP	100 5% 1/10W	R8701	1-216-073-00	RES-CHIP	10K 5% 1/10W
R8416	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8702	1-216-025-91	RES-CHIP	100 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R8703	1-216-025-91	RES-CHIP	100	5%	1/10W	R8888	1-216-033-00	RES-CHIP	220	5%	1/10W
R8704	1-216-025-91	RES-CHIP	100	5%	1/10W	R8889	1-216-033-00	RES-CHIP	220	5%	1/10W
R8705	1-216-295-91	SHORT	0			R8890	1-216-295-91	SHORT	0		
R8706	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8892	1-216-295-91	SHORT	0		
R8707	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8893	1-216-295-91	SHORT	0		
R8708	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8895	1-216-295-91	SHORT	0		
R8709	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R8900	1-216-039-00	RES-CHIP	390	5%	1/10W
R8806	1-216-085-00	RES-CHIP	33K	5%	1/10W	R8901	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8807	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8902	1-216-039-00	RES-CHIP	390	5%	1/10W
R8820	1-216-295-91	SHORT	0			R8903	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8826	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R8904	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8838	1-216-025-91	RES-CHIP	100	5%	1/10W	R8905	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8839	1-216-085-00	RES-CHIP	33K	5%	1/10W	R8906	1-216-035-00	RES-CHIP	270	5%	1/10W
R8840	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8907	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8841	1-216-025-91	RES-CHIP	100	5%	1/10W	R8908	1-216-035-00	RES-CHIP	270	5%	1/10W
R8846	1-216-295-91	SHORT	0			R8909	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8848	1-216-035-00	RES-CHIP	270	5%	1/10W	R8911	1-216-025-91	RES-CHIP	100	5%	1/10W
R8850	1-216-033-00	RES-CHIP	220	5%	1/10W	R8913	1-216-022-00	RES-CHIP	75	5%	1/10W
R8851	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	R8914	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R8853	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R8915	1-216-022-00	RES-CHIP	75	5%	1/10W
R8854	1-216-029-00	RES-CHIP	150	5%	1/10W	R8916	1-216-017-91	RES-CHIP	47	5%	1/10W
R8855	1-216-031-00	RES-CHIP	180	5%	1/10W	R8917	1-216-017-91	RES-CHIP	47	5%	1/10W
R8856	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R8918	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8857	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8919	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8858	1-216-079-00	RES-CHIP	18K	5%	1/10W	R8922	1-216-022-00	RES-CHIP	75	5%	1/10W
R8859	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8923	1-216-022-00	RES-CHIP	75	5%	1/10W
R8861	1-216-295-91	SHORT	0			R8924	1-216-022-00	RES-CHIP	75	5%	1/10W
R8863	1-216-295-91	SHORT	0			R8925	1-216-022-00	RES-CHIP	75	5%	1/10W
R8865	1-216-022-00	RES-CHIP	75	5%	1/10W	R8926	1-216-017-91	RES-CHIP	47	5%	1/10W
R8866	1-216-022-00	RES-CHIP	75	5%	1/10W	R8927	1-216-017-91	RES-CHIP	47	5%	1/10W
R8867	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8928	1-216-017-91	RES-CHIP	47	5%	1/10W
R8868	1-216-017-91	RES-CHIP	47	5%	1/10W	R8929	1-216-039-00	RES-CHIP	390	5%	1/10W
R8869	1-216-017-91	RES-CHIP	47	5%	1/10W	R8930	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8871	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8931	1-216-039-00	RES-CHIP	390	5%	1/10W
R8872	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8932	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8873	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8933	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8874	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8934	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8875	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8935	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8876	1-216-093-91	RES-CHIP	68K	5%	1/10W	R8936	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8877	1-216-093-91	RES-CHIP	68K	5%	1/10W	R8937	1-216-035-00	RES-CHIP	270	5%	1/10W
R8878	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8938	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8879	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R8939	1-216-035-00	RES-CHIP	270	5%	1/10W
R8881	1-216-089-91	RES-CHIP	47K	5%	1/10W	R8940	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8882	1-216-079-00	RES-CHIP	18K	5%	1/10W	R8941	1-216-025-91	RES-CHIP	100	5%	1/10W
R8883	1-216-645-11	METAL CHIP	560	0.5%	1/10W	R8942	1-216-009-91	RES-CHIP	22	5%	1/10W
R8885	1-216-645-11	METAL CHIP	560	0.5%	1/10W	R8943	1-216-022-00	RES-CHIP	75	5%	1/10W
R8886	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8944	1-216-071-00	RES-CHIP	8.2K	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8945	1-216-022-00	RES-CHIP	75 5% 1/10W	<div style="background-color: black; color: white; padding: 2px; font-weight: bold;">*A-1644-108-A VM Board, Complete</div> <div style="padding: 5px;"> 4-382-854-11 SCREW (M3X10), P, SW (+) < CAPACITOR > </div>			
R8946	1-216-017-91	RES-CHIP	47 5% 1/10W				
R8947	1-216-039-00	RES-CHIP	390 5% 1/10W	C5400	1-107-883-11	ELECT	330UF 20.00% 16V
R8948	1-216-049-91	RES-CHIP	1K 5% 1/10W	C5401	1-126-935-11	ELECT	470UF 20.00% 16V
R8949	1-216-022-00	RES-CHIP	75 5% 1/10W	C5402	1-137-370-11	MYLAR	0.01UF 5.00% 50V
R8950	1-216-089-91	RES-CHIP	47K 5% 1/10W	C5403	1-126-935-11	ELECT	470UF 20.00% 6.3V
R8951	1-216-017-91	RES-CHIP	47 5% 1/10W	C5405	1-126-933-11	ELECT	100UF 20.00% 16V
R8952	1-216-113-00	RES-CHIP	470K 5% 1/10W	C5406	1-126-935-11	ELECT	470UF 20.00% 6.3V
R8953	1-216-035-00	RES-CHIP	270 5% 1/10W	C5407	1-107-364-11	MYLAR	0.01UF 10.00% 200V
R8954	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C5408	1-107-364-11	MYLAR	0.01UF 10.00% 200V
R8955	1-216-039-00	RES-CHIP	390 5% 1/10W	C5409	1-107-649-11	ELECT	2.2UF 20.00% 250V
R8956	1-216-049-91	RES-CHIP	1K 5% 1/10W	C5410	1-130-471-00	MYLAR	0.001UF 5.00% 50V
R8957	1-216-025-91	RES-CHIP	100 5% 1/10W	C5411	1-130-471-00	MYLAR	0.001UF 5.00% 50V
R8958	1-216-089-91	RES-CHIP	47K 5% 1/10W	C5412	1-126-935-11	ELECT	470UF 20.00% 16V
R8959	1-216-022-00	RES-CHIP	75 5% 1/10W	C5413	1-126-935-11	ELECT	470UF 20.00% 16V
R8960	1-216-017-91	RES-CHIP	47 5% 1/10W	C5414	1-107-652-11	ELECT	10UF 20.00% 250V
R8961	1-216-022-00	RES-CHIP	75 5% 1/10W	C5415	1-107-363-91	MYLAR	0.0068UF 10.00% 200V
R8962	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	C5417	1-102-959-91	CERAMIC	22PF 5.00% 50V
R8963	1-216-113-00	RES-CHIP	470K 5% 1/10W	C5418	1-102-947-00	CERAMIC	10PF 0.50PF 50V
R8964	1-216-035-00	RES-CHIP	270 5% 1/10W	< CONNECTOR >			
R8965	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R8966	1-216-022-00	RES-CHIP	75 5% 1/10W	CN5402	*1-568-878-51	PIN, CONNECTOR 3P	
R8969	1-216-017-91	RES-CHIP	47 5% 1/10W	CN5444	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
R8974	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	CN5602	*1-568-881-51	PIN, CONNECTOR 6P	
R8977	1-216-037-00	RES-CHIP	330 5% 1/10W	< DIODE >			
R8978	1-216-037-00	RES-CHIP	330 5% 1/10W				
R8979	1-216-045-00	RES-CHIP	680 5% 1/10W	D5400	8-719-991-33	DIODE 1SS133T-77	
R8980	1-216-045-00	RES-CHIP	680 5% 1/10W	D5401	8-719-510-02	DIODE D1NS4-TR	
R8981	1-216-089-91	RES-CHIP	47K 5% 1/10W	D5402	1-535-303-00	LEAD, JUMPER (5.0MM)	
R8982	1-216-079-00	RES-CHIP	18K 5% 1/10W	D5403	8-719-991-33	DIODE 1SS133T-77	
R8994	1-216-073-00	RES-CHIP	10K 5% 1/10W	D5404	8-719-991-33	DIODE 1SS133T-77	
R8995	1-216-089-91	RES-CHIP	47K 5% 1/10W	D5405	8-719-924-11	DIODE MTZJ-T-77-22	
R8996	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	D5406	8-719-924-11	DIODE MTZJ-T-77-22	
R8997	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	< FERRITE BEAD >			
R8998	1-216-041-00	RES-CHIP	470 5% 1/10W				
< CRYSTAL >				FB5400	1-535-303-00	LEAD, JUMPER (5.0MM)	
X8200	1-781-148-21	VIBRATOR, CRYSTAL		FB5401	1-535-303-00	LEAD, JUMPER (5.0MM)	
X8301	1-781-612-11	VIBRATOR, CRYSTAL		< COIL >			
X8401	1-781-612-21	VIBRATOR, CRYSTAL					
X8700	1-767-342-21	VIBRATOR, CRYSTAL		L5400	1-410-784-41	INDUCTOR	0.18UH
				L5401	1-408-602-31	INDUCTOR	8.2UH

REF. NO. PART. NO DESCRIPTION REMARK

< TRANSISTOR >

Q5400 8-729-119-78 TRANSISTOR 2SC1740S-RT
Q5401 8-729-119-78 TRANSISTOR 2SC1740S-RT
Q5402 8-729-119-78 TRANSISTOR 2SC1740S-RT
Q5403 8-729-119-78 TRANSISTOR 2SC1740S-RT
Q5404 8-729-026-39 TRANSISTOR 2SA933AS-RT

Q5405 8-729-026-39 TRANSISTOR 2SA933AS-RT
Q5406 8-729-045-05 TRANSISTOR 2SA2005
Q5407 8-729-045-04 TRANSISTOR 2SC5511
Q5408 8-729-026-39 TRANSISTOR 2SA933AS-RT
Q5409 8-729-119-78 TRANSISTOR 2SC1740S-RT

< RESISTOR >

R5401 1-247-843-11 CARBON 3.3K 5% 1/4W
R5402 1-249-413-11 CARBON 470 5% 1/4W
R5403 1-249-393-11 CARBON 10 5% 1/4W
R5404 1-249-420-11 CARBON 1.8K 5% 1/4W
R5405 1-249-425-11 CARBON 4.7K 5% 1/4W

R5406 1-249-425-11 CARBON 4.7K 5% 1/4W
R5407 1-249-399-11 CARBON 33 5% 1/4W
R5408 1-247-807-31 CARBON 100 5% 1/4W
R5409 1-247-815-91 CARBON 220 5% 1/4W
R5410 1-249-401-11 CARBON 47 5% 1/4W

R5411 1-249-401-11 CARBON 47 5% 1/4W
R5412 1-249-429-11 CARBON 10K 5% 1/4W
R5413 1-249-414-11 CARBON 560 5% 1/4W
R5414 1-249-432-11 CARBON 18K 5% 1/4W
R5415 1-247-739-11 CARBON 100 5% 1/2W

R5416 1-249-389-11 CARBON 4.7 5% 1/4W
R5417 1-249-432-11 CARBON 18K 5% 1/4W
R5418 1-249-414-11 CARBON 560 5% 1/4W
R5419 1-249-421-11 CARBON 2.2K 5% 1/4W
R5420 1-249-421-11 CARBON 2.2K 5% 1/4W

R5421 1-249-387-11 CARBON 3.3 5% 1/4W
R5422 1-249-405-11 CARBON 100 5% 1/4W
R5423 1-215-915-11 METAL OXIDE 470 5% 3W
R5425 1-535-303-00 LEAD, JUMPER (5.0MM)
R5427 1-249-401-11 CARBON 47 5% 1/4W

R5428 1-249-413-11 CARBON 470 5% 1/4W
R5429 1-249-413-11 CARBON 470 5% 1/4W
R5430 1-249-417-11 CARBON 1K 5% 1/4W
R5432 1-249-415-11 CARBON 680 5% 1/4W
R5433 1-249-400-11 CARBON 39 5% 1/4W

R5434 1-249-395-11 CARBON 15 5% 1/4W

REF. NO. PART. NO DESCRIPTION REMARK

MISCELLANEOUS

Δ 1-416-654-11 COIL DEMAGNETIC
1-452-032-00 MAGNET, DISK; 10MM
1-452-094-00 MAGNET, ROTATABLE DISK; 15MM
 Δ 1-453-340-11 TRANSFORMER ASSY, FLYBACK (NX-4522//U)

1-542-436-11 SPEAKER
1-529-417-11 SPEAKER (8CM)
1-419-363-11 COIL, NA ROTATION

Δ 1-571-433-31 SWITCH, PUSH (AC POWER)
 Δ 1-792-389-11 CORD, POWER (WITH CONNECTOR)

Δ 8-453-011-11 NECK ASSY, (NA-299-M)
1-693-338-21 MAIN TUNER/VIF
1-693-338-21 SUB TUNER/VIF

Δ 8-735-053-05 PICTURE TUBE (M68LNH060X)
 Δ 8-451-504-31 DEFLECTION YOKE (Y29RSC-S)

Δ 1-251-807-22 CAP ASSY, HIGH VOLTAGE

ACCESSORIES AND PACKAGING MATERIALS

4-205-490-41 MANUAL, INSTRUCTION (KV-29FQ75A)
(ITALIAN)
4-205-473-01 MANUAL, INSTRUCTION (KV-29FQ75D)
(GERMAN/ITALIAN/GREEK/TURKISH/FRENCH)
4-204-490-71 MANUAL, INSTRUCTION (KV-29FQ75E)
(DANISH/NORWEGIAN/FINNISH/SPANISH/PORTUGUESE/
SWEDISH)
4-205-490-91 MANUAL, INSTRUCTION (KV-29FQ75K)
(ENGLISH/BULGARIAN/RUSSIAN/CZECH/
HUNGARIAN/POLISH)
*4-042-476-01 BAG, PROTECTION
*4-205-198-01 INDIVIDUAL CARTON
*4-205-199-01 CUSHION (UPPER) (ASSY)
*4-205-200-01 CUSHION (LOWER) (ASSY)

REMOTE COMMANDER

1-418-572-21 REMOTE COMMANDER (RM-893)

TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I²C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

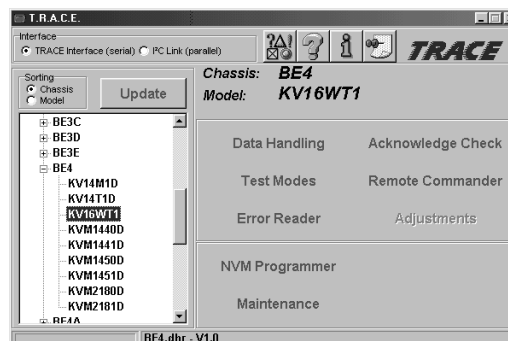
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all I²C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing I²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70
TRACE Software (for users of the I²C Link interface): 9-948-340-80
TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

Sony Corporation
Sony UK
Service Promotions Dept.

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