

Self Diagnosis
Supported model

SERVICE MANUAL

AE-6D CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.
KD-32NX100AEP	RM-935	AEP	SCC-Q85B-A

FD Trinitron



KD-32NX100AEP



RM-935

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 CHASSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE LE CHASSIS DE CE RECEPTEUR EST DIRECTMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY.

CAUTION

Lead Free Soldered Boards

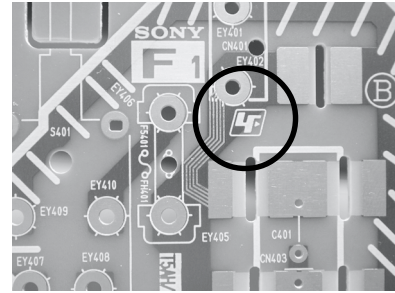
The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



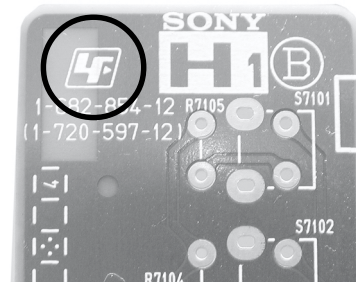
Table 1

Board	Function
C	R,G,B CRT Drive
F1	AC Input
H1	SVHS and Phono
H2	Sircs
H3	Speaker
VM	Velocity Modulation

example 1



example 2



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

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

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

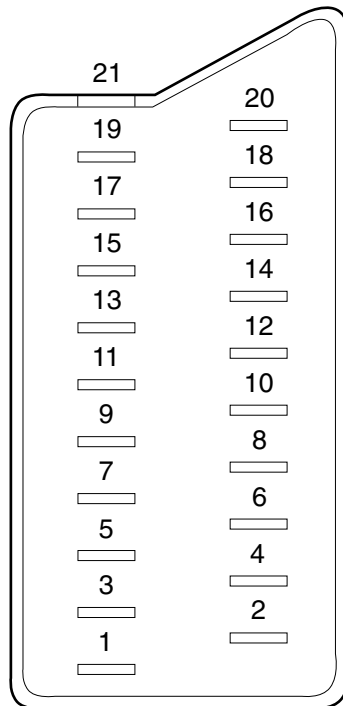
For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G/H, D/K, I, L, DVB-T	GERMAN/NICAM Stereo	VHF : E02-E12, R01-R12, F2-F10 UHF : E21-E69, R21-R69, F21-F69, B21-B69 CABLE TV : S01-S20, B-Q HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN), MPEG2 MP@ML

Picture Tube	FD Trinitron Approx 82 cm (32 inches) (Approx 76 cm picture measured diagonally) 102° degree deflection	Sound Output	
		Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
		Subwoofer	1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]		General Specifications	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption	146W
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 977.5x564x586mm
		Weight	Approx 74kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (selectable)	Supplied Accessories	RM-935 Remote Commander IEC designated R6 battery (2) RF Loop through cable External Modem (V.90)
Phono Jacks	Output Connectors variable for Audio Signals		
PCMCIA Socket	Conditional Access Module	Other Features	100 Hz picture, DRC, Teletext, Smartlink, Virtual Dolby
Input/Output Terminals [SIDE]		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		
Video inputs	phono jacks		
S Video input	4 pin DIN		
Design and specifications are subject to change without notice.			

Model Name Item	KD-32NX100AEP
Pal Comb	ON
PIP	OFF
RGB Priority	ON
Woofer Box	ON
Scart 1	ON
Scart 2	ON
Scart 3	ON
Front in (4)	ON
Projector	OFF
AKB in 16:9 mode	ON
Norm B/G	ON
Norm I	ON
Norm D/K	ON
Norm AUS	OFF
Norm L	ON
Norm SAT	ON
Norm M	OFF
Teletext	ON
Nicam Stereo	ON

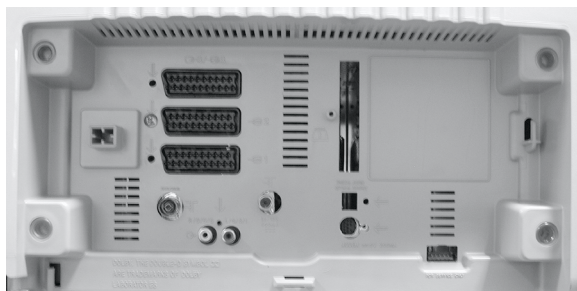
21 pin connector



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 input B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	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



Side Connection Panel

S-Video socket



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

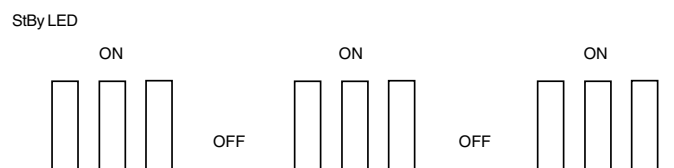
AE-6D SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-6D 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 (Q8803/8804) is shorted (D Board). Linearity FET (Q8806) is shorted (D Board).	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R8835 open (D Board) -15V is not supplied R8834 open (D Board) IC1701 is shorted (A 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 secs)	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
A-B CXA2150Q Backend	12
A-B MSP3410D, Sound Processor	13
N-B EMMA Digital Micro	14
External RAM	18

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 :	000229 h	45 min	
Stored Errors :			
1. No Error Occurred			
2. No Error Occurred			
3. No Error Occurred			
4. No Error Occurred			
5. No Error Occurred			
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
104h	A-B TDA9886, Main IF
106h	A-B CXA2150Q, Backend
107h	A-B MB88141
108h	A-B PCF8593, RTC
400h	BP Board
401h	BP-B MID orMIDX
403h	B4-B Panorama Gate Array
404h	B3-B DRC
700h	J Board
703h	J-B Main Colour Decoder
705h	J-B CXA1875, Sub-Sound
706h	J-B MSP3410D, Sound Processor
708h	J-B CXA21X9, AV Switch
800h	M Board
801h	M-B ST34C32, NVM
900h	N-Board
901h	N-B EMMA Digital Micro

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

Teletext

Getting started

5. Automatically tuning the TV



- When you switch on this TV for the first time, the Language/Country menu appears on screen with the word 'English' highlighted. Press the **↔** or **↕** buttons on the remote control to choose the language you require then press the **OK** button to confirm.
- The word 'Country' is now highlighted. Press the **↔** or **↕** buttons to choose the country in which you wish to operate the TV, then press the **OK** button to confirm.

An auto-tune prompt appears on screen. Press the **OK** button to select 'Yes'. A menu is displayed giving you two options to choose from:
Quick tuning: Tunes in the recommended signals for your location.
Full tuning: Tunes in all the available signals.
 Use the **↔** or **↕** buttons to make your choice then press the **OK** button.

A display appears asking you to press the **OK** button to begin tuning. As the Digital tuning procedure may take some time, a menu is displayed to show you the tuning progress.

When the on screen display informs you that the tuning is successfully finished, press the **BLUE** button repeatedly to remove all menus from the screen. The Analogue tuning procedure then begins.

If no Digital and no Analogue signals are found, a display appears asking you to confirm your aerial is connected. Check your aerial is connected, then press the **OK** button to repeat the tuning procedure.

Once all signals have been captured and stored, the TV returns to normal operation and displays the Digital programme captured on programme number 1.

- Note: If no Digital signals are captured, then the Analogue programme stored on programme number 1 is displayed.
- To view programmes, press the **PROG+/-** button or the numbered buttons on the remote control.

Switching between Digital and Analogue programmes

To check if you are watching a Digital or Analogue programme press the **INFO** button on the remote control. If you are watching a Digital programme, an info display appears on screen providing brief details for the current and next programme. To change to Analogue programmes press the **Digital/□** button. When you wish to return to Digital programmes, press the **Digital/□** button once more.

6. Finding your video channel

If you have connected a VCR to your TV when following the 'Connecting your aerial instructions', you now need to find your video channel.

- First ensure the TV is in Analogue mode. If not press the **Digital/□** button on the remote control.
- Press the **PROG+/-** button on the remote control until the picture from the pre-recorded tape appears on screen.

Notes: If you wish to move your video channel to a different programme number, refer to the 'Rearranging your channels' section of this manual.

If you have connected your VCR using a scart lead, you can press the **↔/□** button repeatedly on the remote control until the picture from the pre-recorded tape appears on the TV screen.

Viewing a Digital text service

Most Digital TV channels broadcast information via their text service. This Digital service includes high quality text and graphics along with advanced navigation options. Additionally, this TV has access to dedicated text channels transmitted by the broadcasting authorities.

The appearance, content and navigation methods of all Digital text services are decided by the broadcaster. For example, the RTL Digital text service may look different to ZDF's Digital text. Most of the Digital text services currently available use simple navigation methods based on the following buttons:

- The text button **☐** to load up the Digital text.
- The **↔** and **↕** buttons (to move around the screen).
- The **OK** button or the numbered buttons (to select items on screen).
- The four coloured buttons (to access shortcuts).

Selecting a dedicated Digital text channel

- Press the **☐** button on the remote control to check if you are in Digital mode. If you are watching a Digital programme an info display appears on screen providing brief details for the current and next programme. If the display does not appear, press the **Digital/□** button to switch to Digital mode.
- Press the **INFO** button to remove the info display from the TV screen. Select the programme number that is broadcasting the dedicated Digital text channel by using the numbered buttons on the remote control. If you do not know the channel number of a dedicated Digital text channel, you can use the 'Channel Index menu' to find one. (Please refer to the 'Channel Index menu' section of this manual.)
- Once the text page is displayed, follow the on-screen instructions to obtain your required selection.

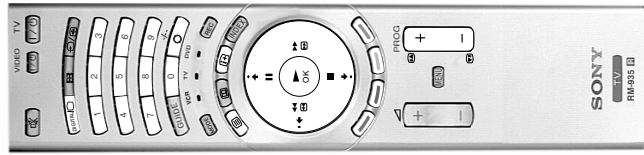
Note: On some pages the TV programme may also be displayed on the text screen. On-screen instructions will inform you how to change the displayed programme.

- If you are instructed to press 'OK' or 'Select' when viewing the text pages, press the **OK** button.
- When you have finished viewing the text service, press the **☐** button to exit.

Selecting a text service from other Digital channels

Normal text services may also be available on other Digital channels. This is sometimes indicated by a small symbol on your TV screen, superimposed on the programme you are watching.

- Press the **↔**, **↕**, **↔** or **↕** buttons to select the symbol, then press the **OK** button to display the chosen information.
- Alternatively, you may be instructed to use the numbered or coloured buttons on your remote control to display the various pages of text information. If you are instructed to press 'OK' or 'Select' when viewing the text pages, press the **OK** button.
- Once the text information is displayed, you can access required information by using the **↔**, **↕**, **↔** or **↕** buttons, the coloured buttons and/or the numbered buttons on the remote control.
- When you have finished viewing the text service, press the **☐** button to exit.



The Main menu

Installation

This option allows you to tune in programmes automatically or manually and to change the order of the stored programmes.

1. Press the **INSTALL** button, then press the **BLUE** button on the remote control to display the Main Menu.
2. Press the **▲** or **▼** buttons to select 'Installation', then press the **OK** button to display the Installation menu.



3. Press the **▲** or **▼** buttons to select your chosen item on the menu screen then press the **OK** button to display the relevant sub menu.

Quick Tuning

This option will tune in all the recommended signals for your location.

Full Tuning

This option will tune in all the signals available. As this option may take some time a menu is displayed showing the tuning progress.

Manual Tuning

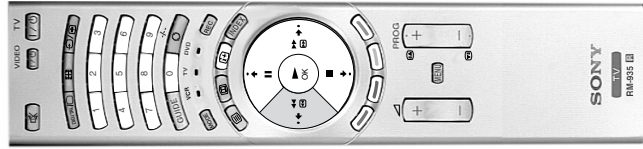
With this option you can manually add channels to your TV.

1. With the 'Manual Tuning' menu on display, enter the new programme number for your chosen channel using the buttons 0 - 9. Press the **OK** button to confirm.
2. The Manual Tuning programme list is displayed with your chosen programme number highlighted. Press **OK** to confirm and display the Search menu.
3. The search will begin from the channel number shown highlighted. If you wish to change this to a channel number of your choice, press the **▲** or **▼** button or enter the number directly using the buttons 0 - 9. Press the **▲** button to make the 'Select Search' box active.
4. Press the **▲** or **▼** button to begin the search process. 'Searching ...' appears alongside the word 'Status' to indicate searching is taking place. If no Digital services are found on your chosen channel, the channel number changes up or down automatically and the search continues. Once all the services allocated to the channel have been found, they are displayed in the 'Services Found' box.
5. Press the **▲** or **▼** button to highlight the service you wish to allocate to the programme number selected in Step 1, then press the **OK** button to return to the Manual Tuning programme list display. Note: Manual tuning allows you to add another service from the same channel to a different programme number. To do this, select a new programme number from the display using the **▲** or **▼** button, then press the **YELLOW** button to display the full service list for the channel. Press the **▲** or **▼** button to select the service you require on the chosen programme number, then press the **OK** button to return to the Manual Tuning programme list display.
6. If you wish to tune in more channels, highlight a new programme number using the **▲** or **▼** button, then press **OK**. Now repeat steps 3 to 5.

Programme Sorting

Use this option to change the order of the stored channels. With the 'Programme Sorting' menu displayed on the screen, press the **▲** or **▼** buttons to highlight the channel you wish to move then press the **YELLOW** button. Use the numbered buttons on your remote control to enter the new programme number for your chosen channel then press the **OK** button to confirm. Repeat this procedure to move other channels.

Once you have made all the changes you require in the Installation menu, press the **BLUE** button repeatedly to remove all menus from the TV screen.



Using the text menu

You can access more features by using the text menu:

1. Press the **TEXT** button on your remote control to enter text mode.
2. With the text display on screen, press the **MENU** button to display the 'Teletext' menu.

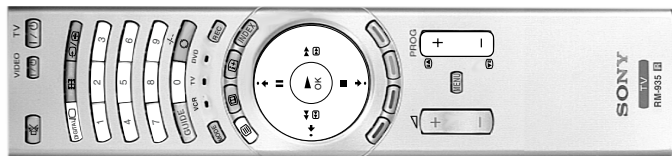


3. Press the **▲** or **▼** button to highlight your desired feature, then press the **▶** button to select.
4. Press the **MENU** button to remove the text menu from the screen.

The following table explains each feature and its function.

GB

Feature	Function
Top/Bottom/Full	This feature allows you to enlarge sections of the displayed page. Press the ▶ button to enlarge the upper half of the page or ◀ to enlarge the bottom half. Press the OK button to return the page to normal size. Press the ▶ button to return to the Teletext menu.
Text Clear	Use this feature to view the TV programme whilst text is searching for a page. Once the page has been found, a blue ■ symbol appears in the top left corner of the screen. Press the ■ button to view the page.
Reveal	Select this to reveal hidden information on the page (such as answers to a quiz).
Time Page	This feature allows a time-coded text page (such as an alarm page), to be displayed at a set time. When selected, the 'Time Page' sub menu is displayed. Enter the desired page number and the time you want the page to appear using the remote control buttons 0 - 9, then press the OK button to confirm the settings. The TV then exits text mode and the time is displayed in the top left corner of the screen. Note: This feature is dependent on the broadcaster's transmission.
Page Overview (Only for TOPText broadcasts)	TOP-Text pages are divided into two columns. The first column shows 'blocks' of pages and the second shows 'groups' of pages. Press the ▶ or ◀ button to select the desired column, then press the ▶ or ◀ button to select the relevant 'group' or 'block' of pages. Press the OK button to display the chosen pages.



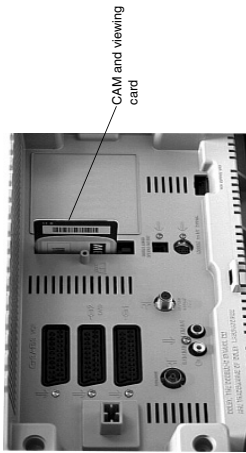
The Main Menu






CA Set-up

This feature allows you to access a pay per view service once you have obtained a Conditional Access Module (CAM) with a viewing card. Please contact your nearest pay-per-view supplier for details.

1. Switch off the TV and unplug from the mains.
2. Insert the CAM into the  socket on the rear of the TV as shown. Take care not to damage the CAM when inserting.

Note: A door was supplied with the stand assembly to cover the rear sockets of this TV. If you have already attached this cover, you will have remove it to gain access to the CAM socket.






3. Insert your viewing card into the CAM.
4. Connect the TV to the mains and switch on.
5. Press the  button, then the BLUE button on the remote control to display the Main Menu.
6. Press the  or  button to highlight 'Detailed Set-up', then press the OK button to display the Detailed Set-up menu.
7. Press the  or  button to highlight 'CA Set-up', then press the OK button to display the supplier's set up menu.













For further information regarding the available services, please contact your pay per view supplier.

Personal Information

Use this option to enter personal information such as your e-mail name and address.

1. Press the  button, then the BLUE button on the remote control to display the Main Menu.
2. Press the  or  button to highlight 'Personal Information', then press OK to display the Personal Information menu.



3. If you wish to change your user name, address or e-mail, press the  or  button to highlight your chosen option then press the OK button to display a keyboard. Press the RED button to clear the existing name or address. Press the ,  and  buttons to select the letter or number you require then press the OK button to display the letter/number in the name box. Repeat this procedure until the new name is complete, then after using the ,  and  buttons to highlight DONE, press the OK button to return to the 'Personal Information' menu.
4. If you wish to change the MHP Applications Font Size, press the  or  button to highlight 'MHP Applications Font Size' then press the OK button to confirm. Press the  or  button to change the existing font size, then press the OK button to confirm.
5. Press the BLUE button repeatedly to remove all menus from the TV screen.



The Main Menu

Detailed set-up

Use this option to change your PIN number, modem settings and languages etc.

1. Press the  button, then the BLUE button on the remote control to display the Main Menu.
2. Press the  or  button to highlight 'Detailed Set-up', then press the OK button to display the Detailed Set-up menu.







If you wish to change any of the settings on the menu screen, press the  or  button to select your chosen item then press the OK button to display the relevant sub menu.









PIN Set-up

This allows you to exercise parental control over programme viewing. Enter your existing PIN and press OK. Use the numbered buttons on your remote control to enter your new number, then enter again to confirm. Press the OK button then the BLUE button to return to the Detailed Set-up menu.

Modem





This allows you to set up the supplied modem. Press the  or  button to select your chosen item on the screen then press the OK button to confirm. Press the  or  button to change the setting then press the OK button to store. Press the BLUE button to return to the Detailed Set-up menu.

Return Channel



Press the  or  buttons to select your chosen item on the menu screen then press the OK button to display the keyboard. Press the RED button to clear any existing name then, using the ,  or  buttons, select the first letter or number you require. Press the OK button to display the letter or number in the name box. Repeat the procedure until the name is complete then, after using the ,  or  buttons to highlight DONE, press the OK button. Finally, press the BLUE button to return to the Detailed Set-up menu.

* If you select Default ISP or DNS IP Address you need to use the numbered buttons on your remote control to input your new settings. Once complete, press the OK button to confirm.

MHP Applications Rights

This allows you to set your preferences and also limit some MHP Applications. Press the  or  buttons to select your chosen item on the screen, then press the OK button to confirm. Press the  or  button to change the setting as desired, then press the OK button to store the new setting. Press the BLUE button to return to the Detailed Set-up menu.



Languages

Press the  or  button to select the Audio Language you want, then press the OK button to confirm and store the new setting. Press the BLUE button to return to the Detailed Set-up menu.

Manufacturer Information

This is an information screen only and confirms the signal strength and which versions of hardware and software are available. Press the BLUE button to return to the Detailed Set-up menu.

Software Upgrade

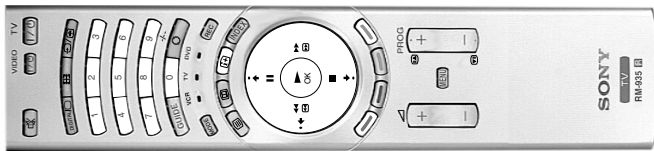
This allows the TV to automatically upgrade its software when a new version is transmitted. Press the  or  buttons to set to 'Yes' or 'No' then press the OK button to store. When set to 'Yes', any new operating software is automatically downloaded when released. We recommend this option is set to 'Yes'.

Factory settings

Press the OK button to select 'Clear Personal Settings' (this returns all your Digital settings to their factory pre-set levels).

3. Once you have made all the changes you require in the Detailed Set-up menu, press the BLUE button repeatedly to remove all menus from the TV screen.

Note: The CA Set-up option is explained on the following page.



Remote control configuration for VCR/DVD

This remote control has been configured to operate not only Sony DVDs and VCRs but also those made by other manufacturers. To operate other brands of DVD and VCR using this remote control, complete the following procedure:

1. Find the 3 digit code for your brand from the list below. If your brand has more than one code allocated to it, make a note of the first code only at this stage.
2. Press the MODE button on the remote control until either the VCR green light or the DVD green light is illuminated.
3. Whilst the required green light is illuminated, press and hold down the YELLOW button for approximately 6 seconds, until the light starts to flash.
4. Enter the 3 digit code for your DVD or VCR. Once a correct number has been entered, all three green lights will illuminate momentarily.
5. Turn on your DVD or VCR and check that the remote control operates the main functions. If not, repeat steps 2 - 4 and enter the next 3 digit code allocated to your brand of VCR or DVD.
6. When you wish to use the remote control to operate the TV again, press the MODE button until the TV green light illuminates. Don't forget you must select VCR or DVD using the MODE button every time you wish to operate your VCR or DVD with this remote control.

Note: The brand codes you set may be lost if weak batteries are not replaced immediately. Should this happen, use the above procedure to reset the code. A small label has been attached to the inside of the battery cover for you to make a note of your brand codes. Not all brands and models of DVDs or VCRs are covered in this list. However, Sony will endeavour to update the software periodically, so please refer to the code table provided with your remote control.



VCR Brand List		DVD Brand List	
Brand	Code	Brand	Code
SONY (VHS)	301, 302, 303, 309	SONY	001
SONY (BETA)	301, 302, 303, 309	AIWA	021
SONY (DVD)	304, 305, 306	DENON	018, 027, 020, 002
AIWA	325, 331, 351	GRUNDIG	009, 028, 023, 024, 016, 003
AKAI	326, 329, 330	HITACHI	025, 026, 015, 004
DAEWOO	342, 343	JVC	006, 017
GRUNDIG	358, 355, 360, 361, 320, 351	KENWOOD	008
HITACHI	327, 333, 334	LG	015, 014
JVC	314, 315, 322, 344, 352, 353, 354, 348, 349	LOEWE	009, 028, 023, 024, 016, 003
LG	332, 338	MATSUI	013, 016
LOEWE	358, 355, 360, 361, 320, 351	ONKYO	022
MATSUI	356, 357	PANASONIC	018, 027, 020, 002
ORION	328	PHILIPS	009, 028, 023, 024, 016, 003
PANASONIC	321, 323	PIONEER	004
PHILIPS	311, 312, 313, 316, 317, 318, 358, 359	SAMSUNG	011, 014
SAMSUNG	339, 340, 341, 345	SANYO	007
SANYO	335, 336	SHARP	019, 027
SHARP	324	THOMSON	012
THOMSON	319, 350	TOSHIBA	003
TOSHIBA	337	YAMAHA	018, 027, 020, 002

Manually tuning Analogue signals

You can manually add channels one by one to your TV using the following guidelines. Manual tuning also allows you to select inputs from the scart sockets (VCRs etc.) so that they can be viewed on the programme number of your choice. First, check you are in Analogue mode by pressing the (E) button on your remote control. If an info display appears on screen providing brief details of both the current and next programme, you are in Digital mode. Switch to Analogue mode by pressing the Digital(□) button then proceed as follows:

1. Press the MENU button to display the main menu.
2. Press the \blacktriangle button to highlight the \square icon, then press the \blacktriangle button to highlight 'Auto Tuning'.
3. Press the \blacktriangle button to highlight 'Manual Set Up' then press the \blacktriangle button to display the Manual Set Up menu.
4. Press the \blacktriangle button to highlight 'Manual Programme Preset' then press the \blacktriangle button to display the Manual Programme Preset menu.



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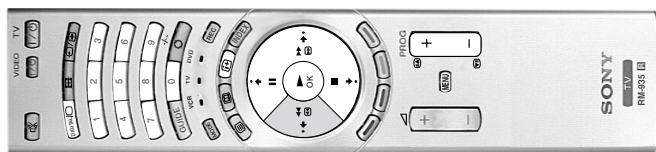
5. Press the \blacktriangle or \blacklozenge button to highlight the programme number you require, then press the \blacktriangle button to highlight the SKIP column.
6. Press the \blacktriangle or \blacklozenge button to set to OFF, then press the \blacktriangle button to highlight SYS column.
7. Press the \blacktriangle or \blacklozenge button to select your system requirement. For example, choose 'B/G' for the TV broadcasts or 'EXT' if you wish to view signals from your VCR or other equipment you have connected to the scart sockets (AV1, AV2 etc.). Press the \blacktriangle button to confirm your choice.

If you selected a TV broadcast system:










Press the \blacktriangle or \blacklozenge button to select 'C' for terrestrial channels, 'S' for cable channels or 'F' for direct frequency input, then press the \blacktriangle button to confirm your choice. If you know the channel number or frequency number you require, use the buttons 0 - 9 on the remote control to enter the number, otherwise press the \blacktriangle or \blacklozenge button to search for the next available broadcast. If the broadcast found is not the one you desire, press the \blacktriangle or \blacklozenge button to repeat the search.

If you have selected EXT:

- Press the \blacktriangle or \blacklozenge button to select the AV socket whose input you wish to view on the programme number chosen in step 5.
8. Press the OK button to store.
 9. Repeat steps 5 - 8 if you wish to tune in broadcasts to other programme numbers, then press the MENU button to remove the menu from the screen.



Specifications

TV system	L/I, B/G/H, DK, DVB-T
Colour system	PAL, SECAM NTSC 3.58/4.43 (only Video in) MPEG2 MP@ML
Channel coverage	See the 'Channel Display Table' below
Picture tube	82cm (82inches) FD Trinitron WIDE 102' deflection
Dimensions	977.5mm x 564mm x 586mm (W x H x D)
Weight	Approx. 7.4Kg
Sound output	Left/Right 2 x 20W (music power) Sub Woofer 30W (music power)
Power consumption	146W
Rear terminals	AV1 socket  1 : 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output. AV2 socket  2 : 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output AV3 socket  3 : 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, selectable audio/video output.  socket: RCA connectors (variable output for audio signals).  socket: Conditional Access Module.  4 socket: Video input - phono jack  4 socket: S-Video input (4pin DIN)  4 socket: Audio inputs - phono jacks  socket: Headphone output - stereo minijack
Side terminals	
Accessories supplied	RM-935 remote control (1) IEC designated size AAA battery (2) Modem RF Loophrough cable

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Design and specification are subject to change without notice


Channel Display Table

	Receivable Channels	Channel Displays
B/G/H	E2, 12, 21...69	C02, C12, C21...C69
KABEL-TV (1)	S1...S41	S01...S41
KABEL-TV (2)	S01...S05	S42...S46
	M1...M10	S01...S10
	U1...U10	S11...S20
ITALIEN	A, B, H, H1, H2	C13, C14, C20, C11, C12
DIK	R01, R12, R21, R69	C01...C12, C21...C69
	S01...S05	S42...S46
L	F2, F10, F21...F69	C01...C12, C21...C69
I	B21...B69	C21...C69

Additional information

Troubleshooting

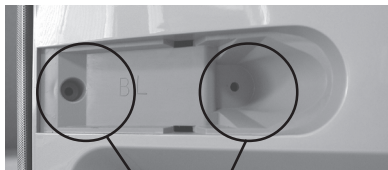
Here are some simple solutions to problems which may affect the picture and sound.

Problem	Cause
No picture, no sound.	<ul style="list-style-type: none"> Power off. TV in standby. Aerial disconnected. Picture preset level adjustment. No Digital transmissions in your area. No Digital transmissions from the transmitter you are currently using. Weak signal. Unsuitable aerial. Scrambled/subscription-only channel. Programme used only for data (no picture or sound). Programme not being transmitted. Digital mode Timer Record active (regular/flash). Fault (irregular flash). Volume control. Wrong external mode selected on an RGB video source. Colour level setting. Batteries low. Inputs from external equipment not switched off.
Poor or no picture (screen is dark), but good sound. No picture on any channel after Digital tuning.	
Some channels are blank.	
Standby indicator flashing.	
Good picture, no sound. Poor picture quality.	
No colour on colour programmes.	
Remote control does not function.	
Distorted picture when changing programmes or selecting Teletext.	
Cause	Solution
Power off. TV in standby.	<ul style="list-style-type: none"> Plug in the TV. Press the  button on the front of the TV. If the  indicator is on press the  button or a numbered button on the remote control.
Aerial disconnected.	<ul style="list-style-type: none"> Check the aerial connection.
Picture level adjustment.	<ul style="list-style-type: none"> Select 'Picture Adjustment' menu then adjust the brightness, picture and colour levels. Tune in the Analogue channels available using the 'Manually tuning Analogue signals' instruction in this manual, then contact a local installer to find out when Digital transmissions begin in your area.
No Digital transmissions from the transmitter you are currently using. Unsuitable aerial.	<ul style="list-style-type: none"> Contact a local installer to find out which transmitter you should be pointing your aerial at. Change your aerial to cover the channels used by Digital programmes. (Contact a local installer)
Weak signal.	<ul style="list-style-type: none"> Ensure aerial is correctly aligned to transmitter. Ensure aerial is plugged directly into the TV (not through other equipment). Upgrade to a higher gain aerial. Subscribe to pay-per-view broadcaster. See 'Skipping a programme' section. See 'Re-arranging your channels' section. Do not open the cabinet, refer to qualified personnel. Contact your nearest Sony Service Centre.
Scrambled/subscription-only channel. Programme information without picture or 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.
Fault.	
Volume control.	<ul style="list-style-type: none"> Press the  button repeatedly until the RGB symbol  is displayed on screen. Select 'Picture Adjustment' menu then adjust the colour setting.
Wrong external mode selected. Colour level setting.	

- If you continue to have these problems, have your TV serviced by qualified personnel or you can contact the Sony UK Digital Helpline on 0870 600 1717.
- NEVER open the casing yourself.

SECTION 2 DISASSEMBLY

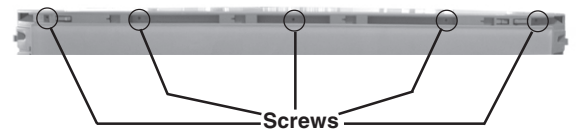
2-1. Rear Cover Removal (Step 1)



Screws

Using a narrow blade screwdriver lever off the 4 screw covers from the rear of the set. Remove the 12 speaker grill and rear cover fixing screws. (See 2-3.)

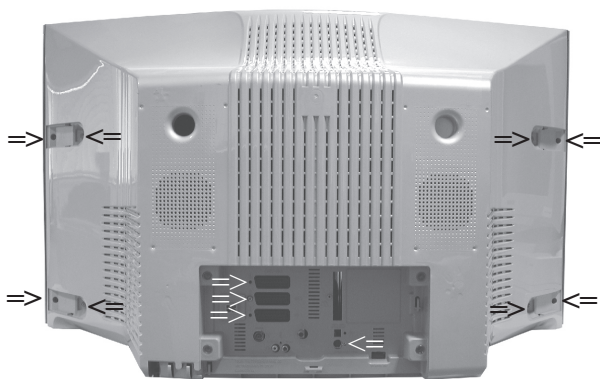
2-2. Rear Cover Removal (Step 2)



Screws

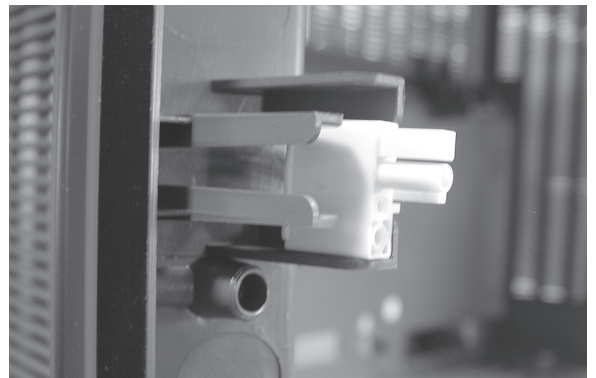
Remove the speaker grills by holding top and bottom and sliding away from the set. Remove the ornamental plate from the top front of the bezel by sliding to the right. Remove the 5 screws indicated from the top front of the set.

2-3. Rear Cover Removal (Step 3)



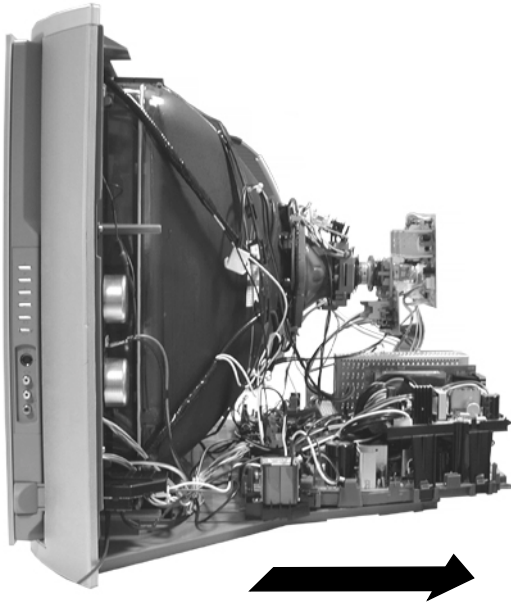
Remove the rear cover by sliding backwards away from the picture tube. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-4. Speaker Connector Disconnection

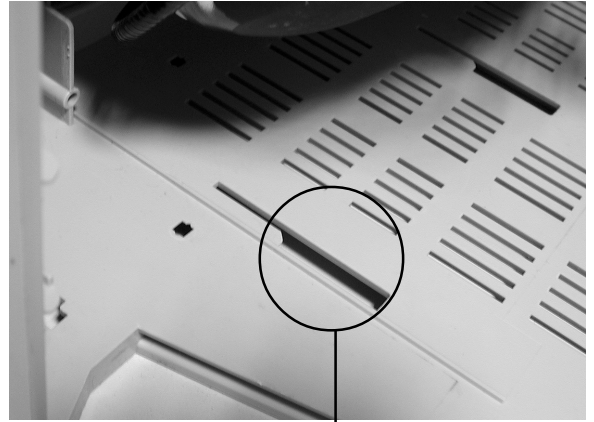


Before completely removing the rear cover disconnect the speaker connector which is located on the inside of the rear cover.

2-5. Chassis Removal and Refitting

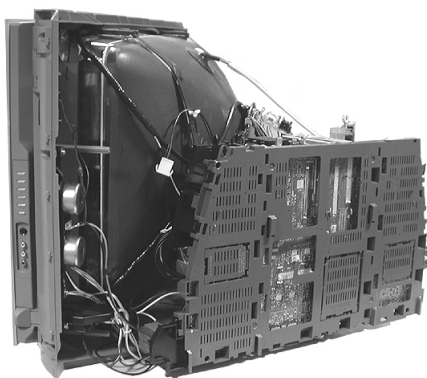
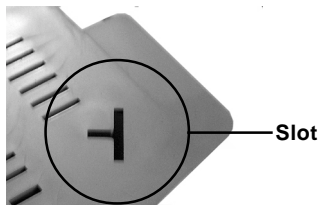


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



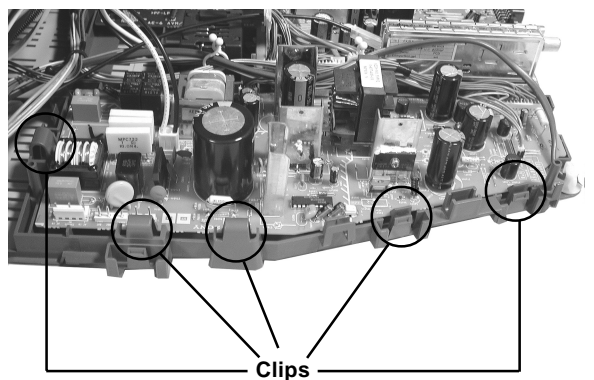
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-6. Service Position



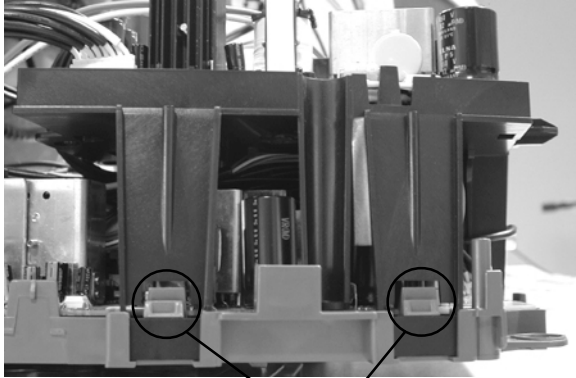
Using the slot on the rear left of the beznet position the chassis as indicated to access the solder side. To gain access to the underside of the boards follow the instructions on page 18. [Removal and Replacement of the main bracket bottom plates].

2-7. D and G Board Removal



To remove the G Board release the clips circled and ease the board gently away from the support bracket. Removal of the D Board follows the same procedure.

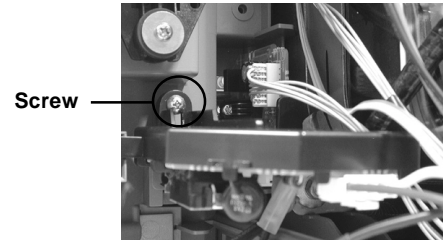
2-8. G1 Bracket Removal



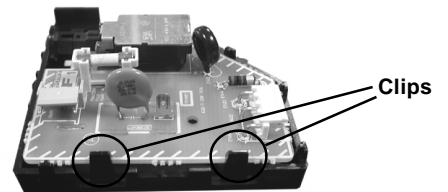
Clips

To remove the G1 Bracket release the four clips (two on each side of the bracket) and carefully lift away from the chassis.

2-9. F1 Board Removal

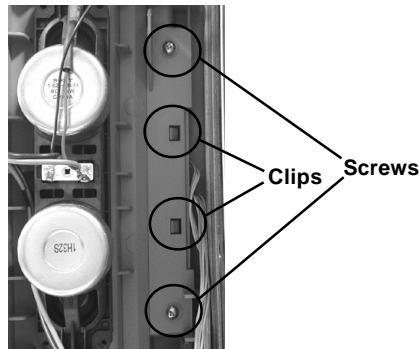


Remove the F1 bracket by removing the screw indicated and sliding the bracket away from the beznet.

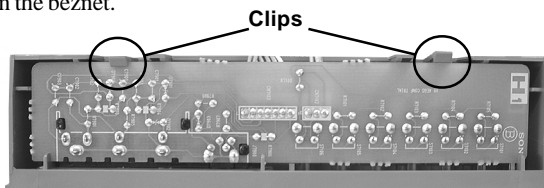


To remove the F1 board release the two clips circled and ease the board gently away from the support bracket.

2-10. H1 Board Removal



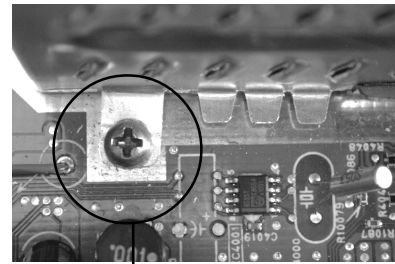
Remove the H1 bracket by removing the screws indicated. Release the two clips circled and ease the bracket out of its slot in the beznet.



To remove the H1 board release the two clips circled and ease the board gently away from the support bracket.

Note : Removal of the H3 Board follows the same procedure.

2-11. Removal of N Board Shield



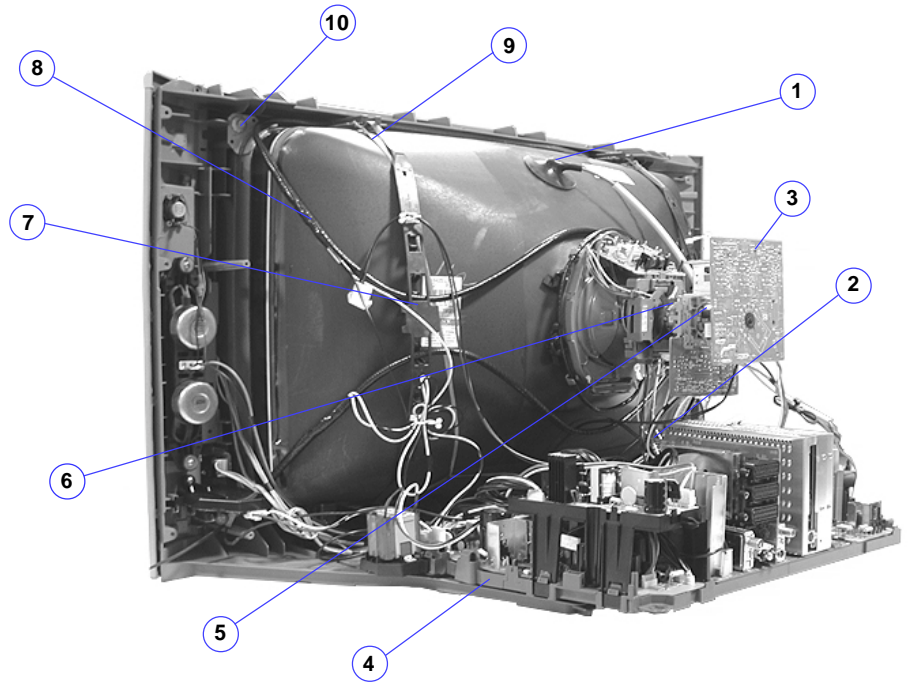
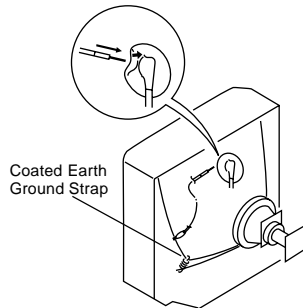
Screw

To remove the N Board shield, release the two fixing screws and lift the shield vertically until it is clear of the chassis.

2-12. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

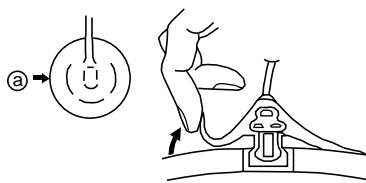
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT **before** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



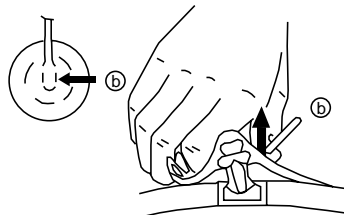
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen 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 tensioners.
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

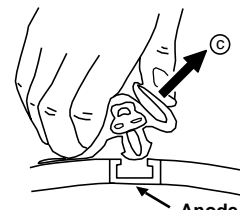
* REMOVING PROCEDURES.



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



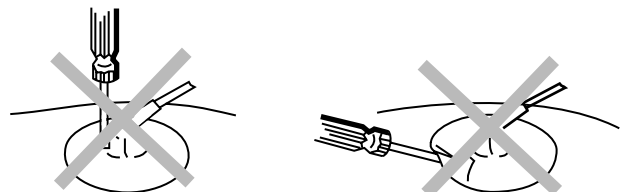
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②



- 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 ③

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.



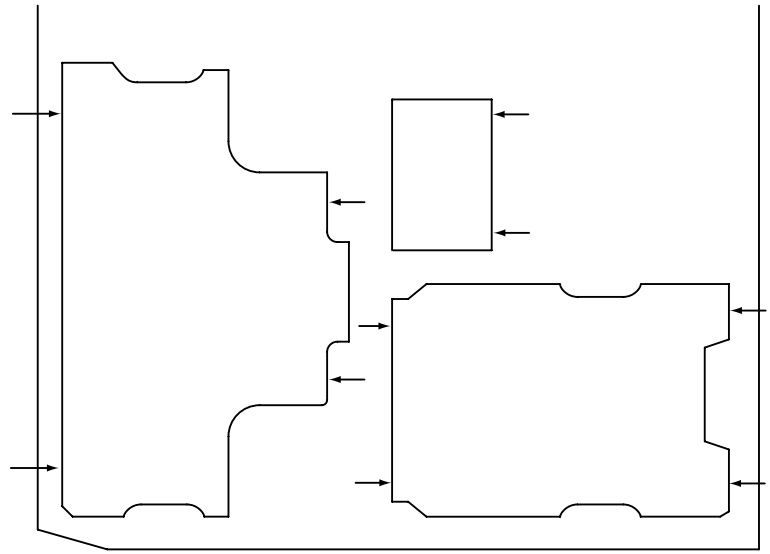
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of some of the printed wiring boards, 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.

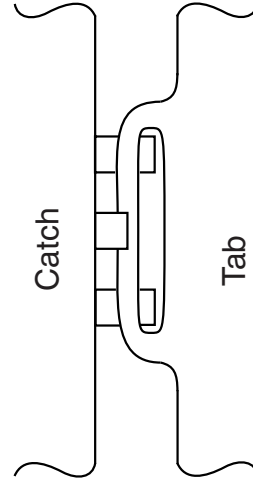


 For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

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

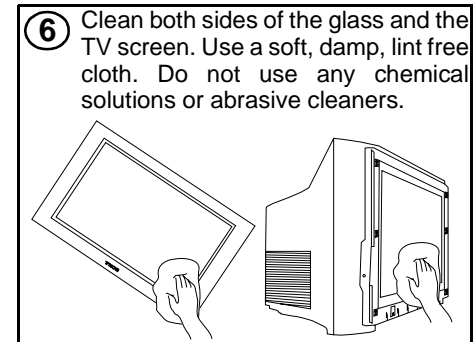
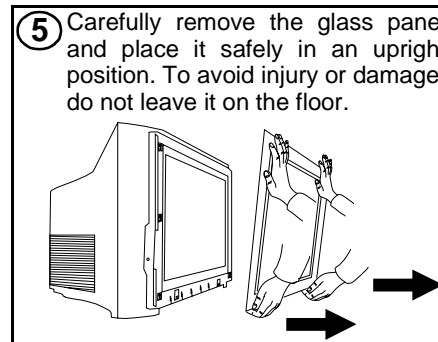
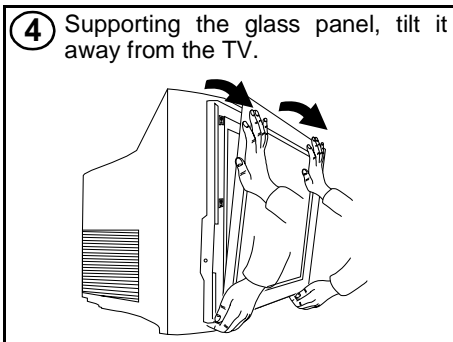
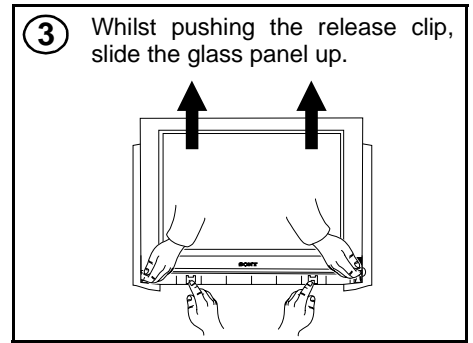
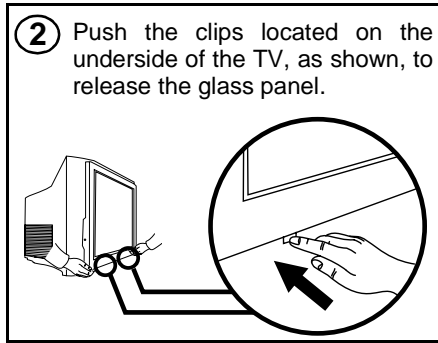
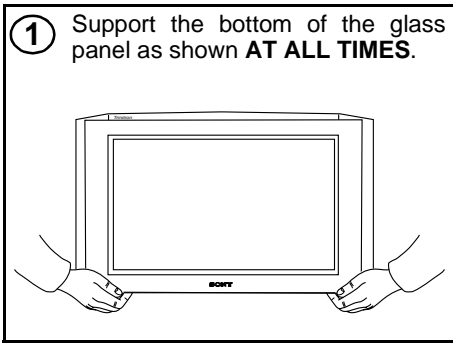
Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



From time to time dust particles or condensation may get trapped between the glass panel and the TV screen. These instructions will guide you through the steps required to both remove and re-fit the glass panel safely.

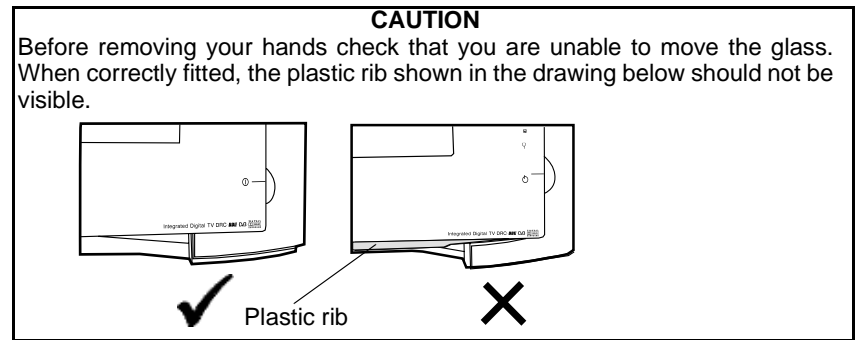
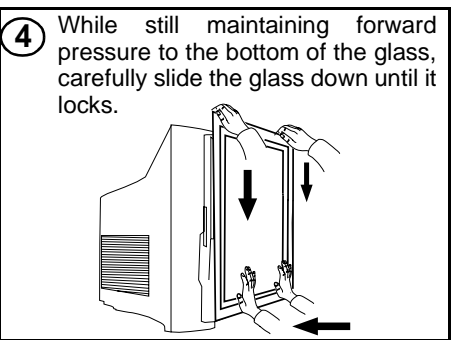
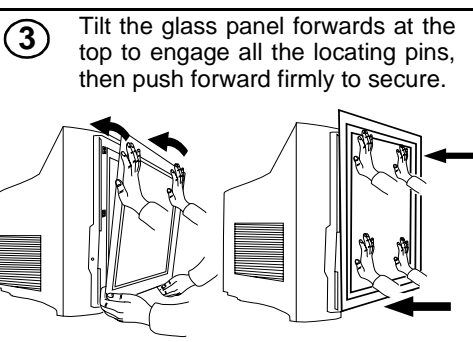
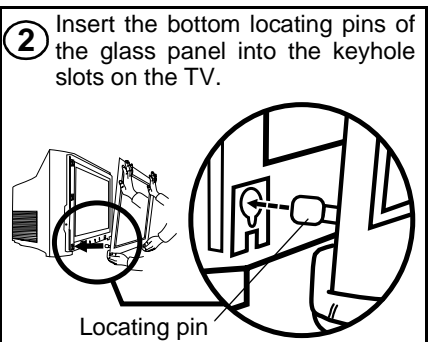
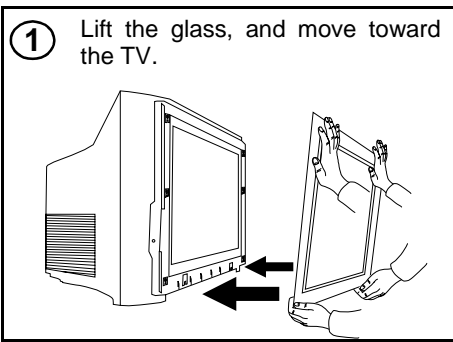
Removing the glass panel

NEVER attempt to remove the glass panel on your own - for safety reasons Sony recommends that two people carry out the following procedure at all times.



Re-fitting the glass panel

NEVER attempt to re-fit the glass panel on your own - for safety reasons Sony recommends that two people carry out the following procedure at all times.



Safety Note

The glass panel supplied complies with all relevant safety regulations. However, should the glass become damaged at any time, it is strongly recommended that a replacement is obtained from an authorised Sony dealer.

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 80% [or remote control normal]

Brightness 50%

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.

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 set's power and degauss with the degausser.

3-1. Beam Landing

1. Input an all white signal from the pattern generator. Set the Contrast and Brightness to normal.
2. Set the pattern generator raster signal to Red.
3. Move the deflection yoke forward and adjust with the purity control so that the Red is at the centre and the Blue and Green take up equally sized areas on each side of the screen. [See Fig.3-1 - 3-3].
4. Move the deflection yoke backwards and adjust so that the entire screen becomes Red. [See Fig.3-1]
5. Switch the raster signal to Blue, then to Green and verify the condition.
6. When the position of the deflection yoke has been determined, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to correct it. [See Fig.3-4]

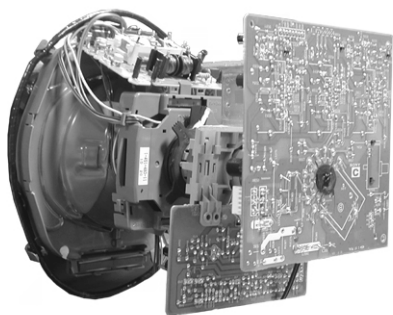


Fig. 3-1.



Caution :

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

Fig. 3-2.

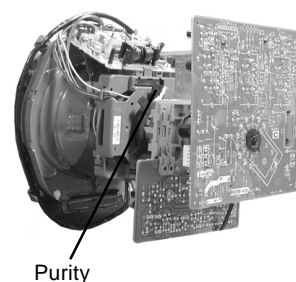


Fig. 3-3.

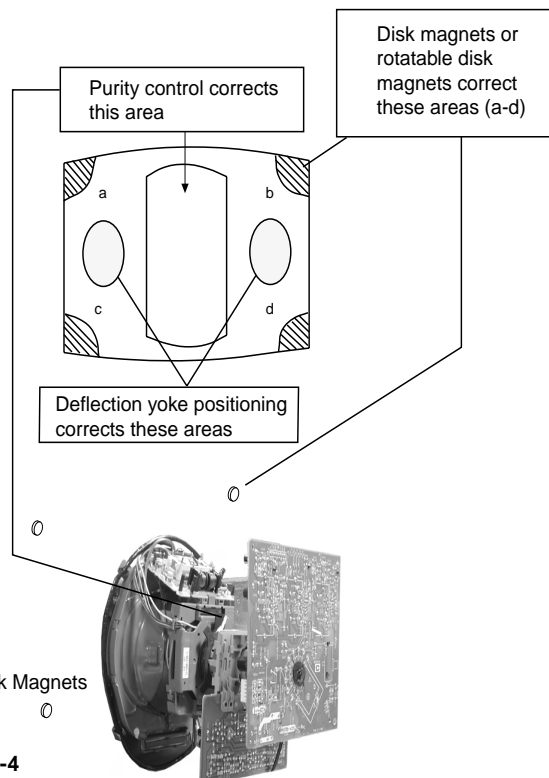
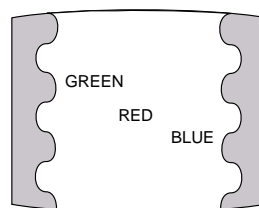


Fig.3-4

3-2. Convergence

Preparation:

- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Minimize the Brightness setting.
- Input a dot pattern from the pattern generator.

Horizontal and Vertical Static Convergence

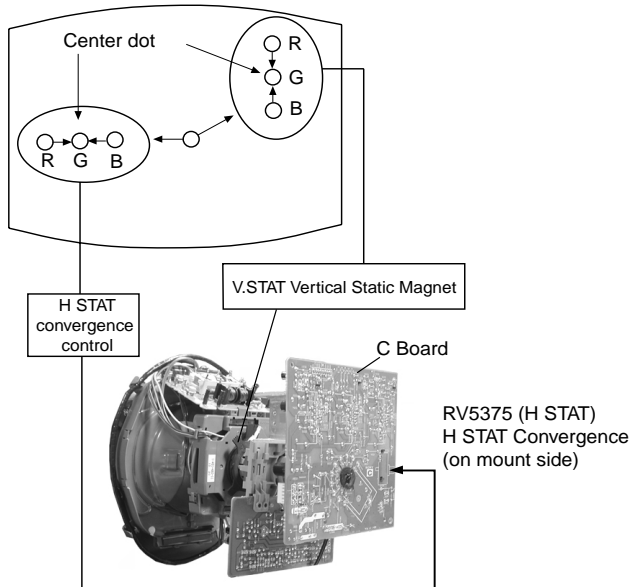
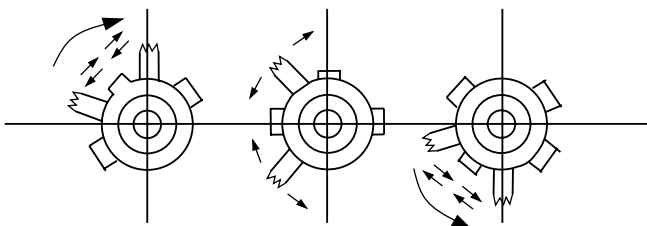


Fig.3-5

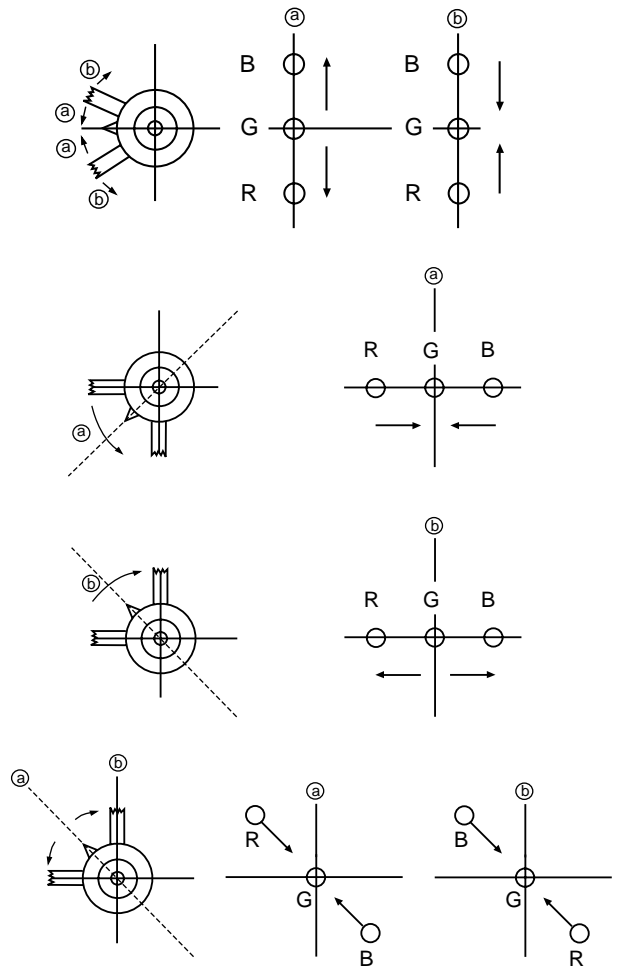
1. [Moving horizontally], adjust the H.STAT control so that the Red, Green and Blue points are on top of each other at the centre of the screen.
2. [Moving vertically], adjust the V.STAT magnet so that the Red, Green and Blue points are on top of each other at the centre of the screen.
3. If the H.STAT variable resistor is unable to bring the Red, Green and Blue points together at the centre of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner indicated below.

[In this case, the H.STAT variable resistor and the V.STAT magnet influence each other].

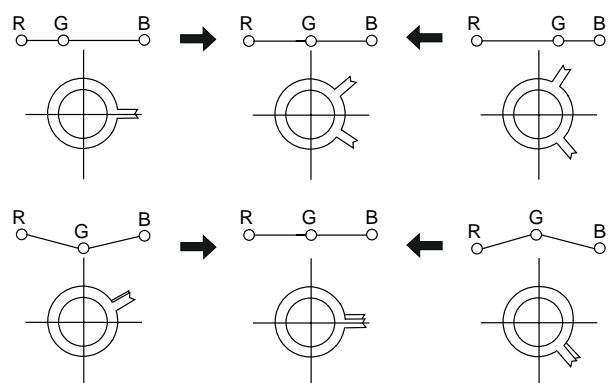
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the Red, Green and Blue points move as indicated below.



Operation of the BMC (Hexapole) magnet.



The movement of the magnets interact with each other and so the respective dot position should be monitored while carrying out this adjustment.

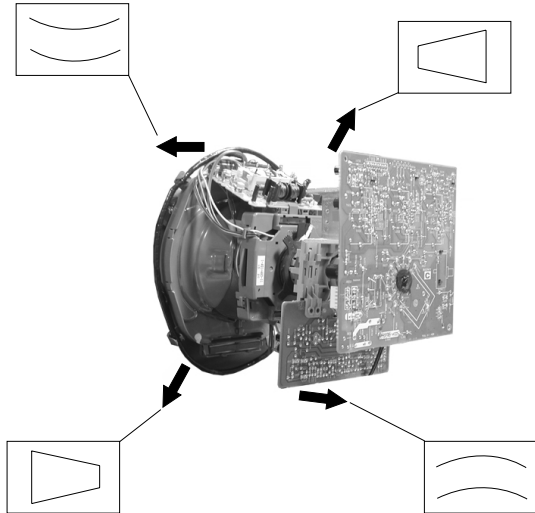
Use the H.STAT VR to adjust the Red, Green and Blue dots so that they coincide at the centre of the screen (by moving the dots in the horizontal direction).

Geometry Adjustment.

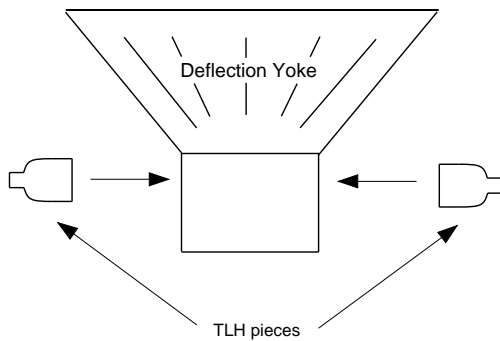
Preparation:

Before starting this adjustment, adjust the horizontal and vertical static convergence.

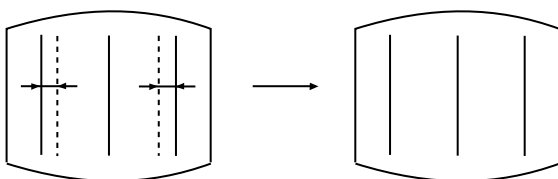
1. Remove the deflection yoke spacer.
2. Tilt the deflection yoke as indicated in the figure below and optimise the geometry.
Tilting the DY Up and Down will balance the upper and lower pin adjustment.
Tilting the DY Left and Right will balance the H-Trap adjustment.
3. Re-install the deflection yoke spacer.



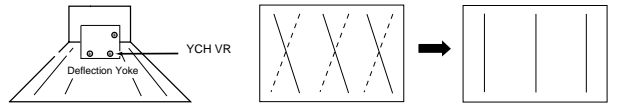
HTIL Adjustment



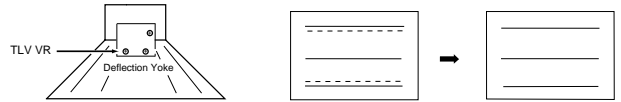
HTIL correction can be performed by adding a TLH correction assembly to the Deflection yoke.



YCH Adjustment

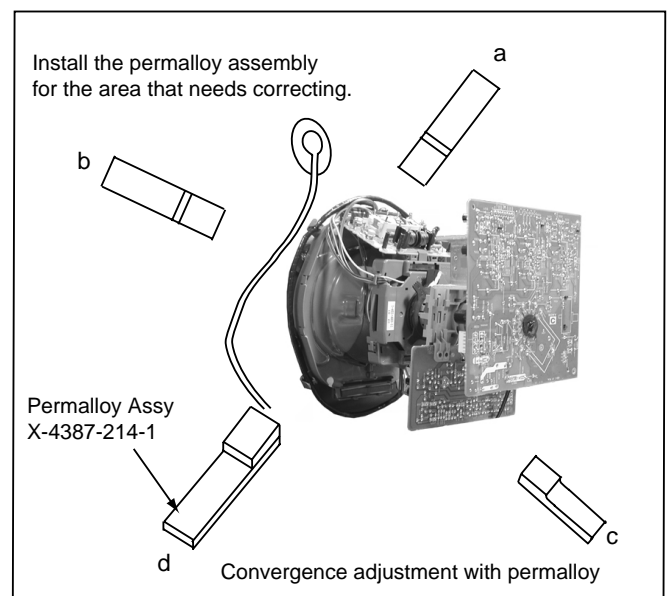
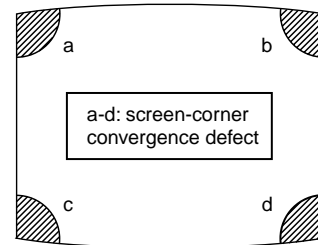


TLV Adjustment

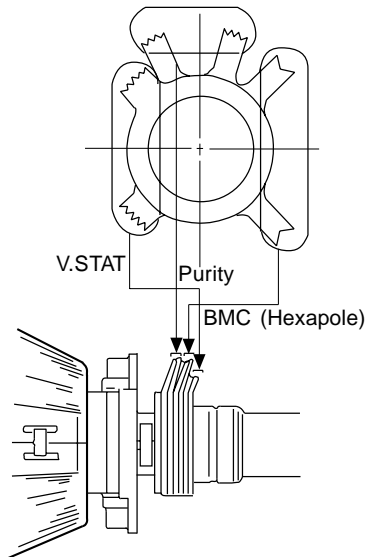


Screen Corner Convergence

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

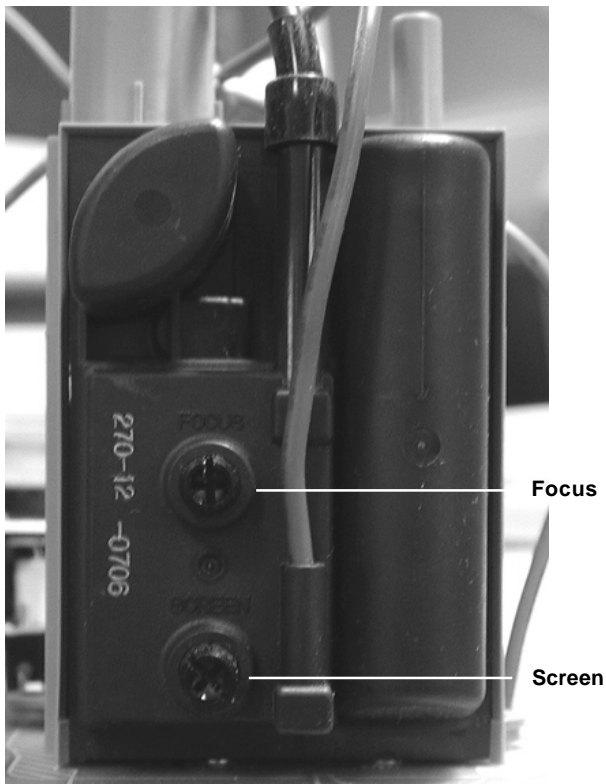


Layout of each control



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-ring 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

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 175V 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 [SCREEN] located on the Flyback Transformer 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. Program the Remote Commander for operation in Service Mode. [See Page 24]
3. Enter into the 'Service Mode' by pressing 'VIDEO', 'VIDEO' and 'MENU' 'MENU' on the Remote Commander.
4. Select 'Device Register Setting' > 'Backend' from the on screen menu display.
5. Set the 'Contrast' to MAX.
6. Set the 'R-Drive' to 25.
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. Adjust the 'G-Cutoff', and the 'R-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
11. 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-935.

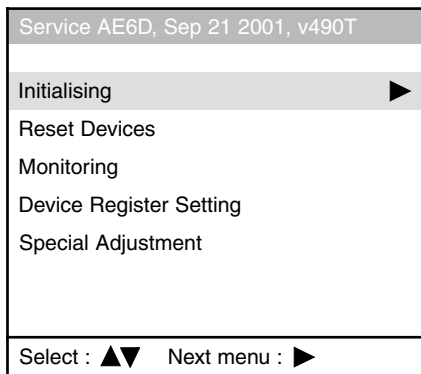
Programming the Remote Commander for Operation in Service Mode

1. Press the VCR/TV/DVD button until the TV LED lights.
2. Press and hold the yellow button for approx. 5 seconds until the TV LED flashes quickly.
3. Press 99999. All three LED's should light. The remote commander is now set to Service Mode.
4. To return the remote commander to normal operation mode repeat steps 1. and 2. then press 00000. All three LED's should light. The remote commander is now set to normal mode.



Setting the TV into Service Mode

1. Program the remote commander for operation in Service Mode as described above.
2. Turn on the TV main power switch.
3. Press the 'VIDEO' button  on the remote commander twice. 'TT __' will appear in the upper right corner of the screen.
4. Press the 'MENU' button on the remote commander twice to obtain the following menu on the screen.

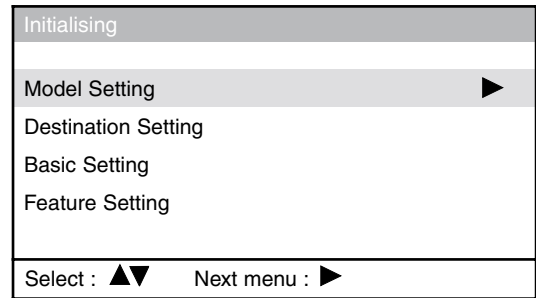


5. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
6. Press the right arrow button to enter into the required menu item.
7. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

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.

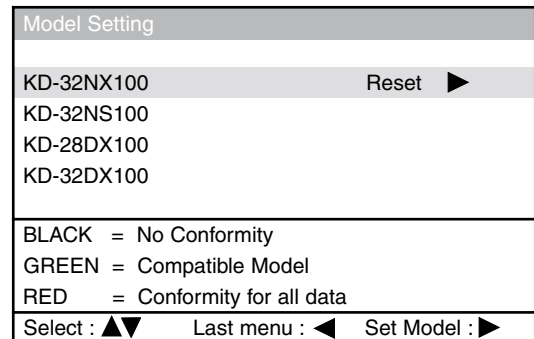
Initialising Menu



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. KD-32DX100U and KD-32NX100U).

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



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, ...)

Device Register Setting

Destination Setting	
Multi	Reset
A	
B	
D	
E	
K	
R	
U	
BLACK = No Conformity GREEN = Compatible Model RED = Conformity for all data	
Select : ▲▼ Last menu : ◀ Set Model : ▶	

Device Register Setting
Backend
Deflection
Ext Deflection
Dynamic Convergence
Colour Decoder 1
Audio / Video Switch
Mid - X
External PLL Mid - X
Gate Array Chip
Sound
Select : ▲▼ Last menu : ◀ Enter Item : ▶

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	ON
4	Sys.I (UK)	OFF	ON	ON
5	Sys.I (IRL)	OFF	ON	OFF
6	TXT Nat.option	1	4	3
7	16:9 CRT	OFF	ON	ON
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	ON
18	AV1 Sound Mute	OFF	ON	OFF
Select : ▲▼ Last menu : ◀ Enter Item : ▶				

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	OFF
4	GD2 SW	OFF	OFF	ON	OFF
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
Select : ▲▼ Last menu : ◀ Enter Item : ▶					

Feature Setting				
No	Descr	Min	Max	Data
1	PAP	OFF	ON	OFF
2	PAT	OFF	ON	OFF
3	INDEX	OFF	ON	OFF
4	EPG	OFF	ON	ON
Select : ▲▼ Last menu : ◀ Enter Item : ▶				

Gate Array Chip					
No	Descr	Def	Min	Max	Data
1	SMART	OFF	OFF	ON	OFF
2	ROM Curve	0	0	1	0
3	DAC PD	OFF	OFF	ON	OFF
4	VSTILL1	0	0	1	0
5	S1	0	0	1	0
6	S0	0	0	1	0
7	VDCL	1	0	1	1
8	FFSW	1	0	1	1
9	PKI	1	0	1	1
10	FH	1	0	1	1
11	FV	1	0	1	1
12	H OFFset	0	-15	15	0
Select : ▲▼ Last menu : ◀ Enter Item : ▶					

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	9	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	1	0	3	1
14	BPF Q	1	0	3	1
15	Filter Sw	OFF	OFF	ON	OFF
16	C-Trap Sw	1	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	Half Tone	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	V CD Freq	3	0	7	3
29	V CD Mode	1	0	3	1
30	AFC SENS	1	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S R-Y Adj	6	0	15	6
33	S B-Y Adj	4	0	15	4
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	0	0	1	0
40	Auto SW	1	0	1	1
41	C-ID	1	0	1	0
41	VP-PH	0	0	1	0
42	S/N RATIO	3	0	3	3

Select : ▲▼ Last menu : ◀ Enter Item : ▶

Ext. Deflection					
No	Descr	Def	Min	Max	Data
1	DF Phase	185	0	255	185
2	DQP Phase	125	0	255	125
3	Mid Linear	135	0	255	156
4	DQP ac amp	132	0	255	132
5	DQP dc Lvl	126	0	255	126

Select : ▲▼ Last menu : ◀ Enter Item : ▶

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	0	0	3	0
5	Wb-Sw	OFF	OFF	ON	OFF
6	Gamma-L	OFF	OFF	ON	OFF
7	Contrast	40	0	63	40
8	BLK-Bottom	3	0	3	3
9	Hue	28	0	63	28
10	Colour-Axis	1	0	3	1
11	Colour	31	0	63	31
12	CTI-Level	2	0	3	2
13	Brightness	25	0	63	25
14	S-Abl	0	0	3	0
15	Sharpness	25	0	63	25
16	LTI-Level	0	0	3	0
17	R-Drive	35	0	63	35
18	PLimit-Lvl	0	0	3	0
19	G-Drive	41	0	63	20
20	ABL-Mode	0	0	3	0
21	B-Drive	41	0	63	20
22	CTI-Mode	0	0	3	2
23	Sub Bright	6	0	63	13
24	Gamma	0	0	3	1
25	R-Cutoff	31	0	63	31
26	LTI-mode	1	0	3	1
27	G-Cutoff	27	0	63	25
28	DPIC-Level	1	0	3	2
29	B-Cutoff	31	0	63	30
30	DC-Tran	1	0	3	1
31	Sub-Cont	8	0	15	15
32	LRGB2-Lvl	8	0	15	8
33	P-Abl	15	0	15	15
34	ABL-TH	0	0	15	0
35	CB-offset	25	0	63	25
36	Aging-W	OFF	OFF	ON	OFF
37	Aging-B	OFF	OFF	ON	OFF
38	CR-offset	25	0	63	25
39	System	1	0	3	1
40	Y-offset	7	0	15	7
41	VM-Level	1	0	3	1
42	Sharp FO	ON	OFF	ON	ON
43	CD-Off	OFF	OFF	ON	OFF
44	Sharp CD	2	0	3	2
45	Sharp F1	0	0	3	0
46	Pre/Over	2	0	3	2
47	VM-Cor	0	0	3	1
48	VM-F0	2	0	3	2
49	VM-Limit	3	0	3	3
50	VM-Delay	2	0	3	2
51	Sub Colour	0	-8	8	0

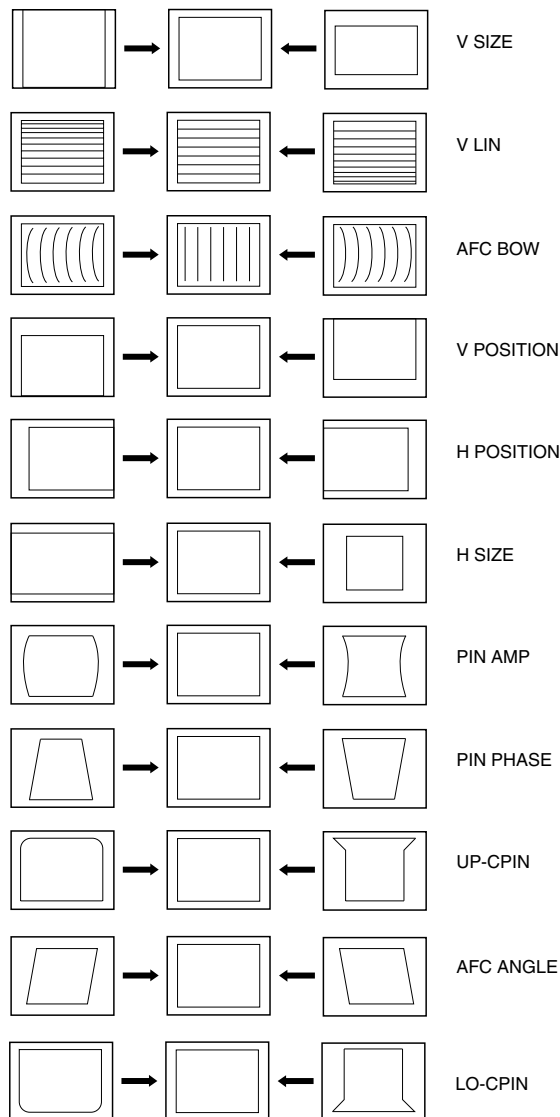
Select : ▲▼ Last menu : ◀ Enter Item : ▶

Deflection					
No	Descr	Def	Min	Max	Data
1	H-Size	41	0	63	51
2	H-Position	29	0	63	24
3	V-Size	46	0	63	43
4	V-Position	27	0	63	28
5	Pin-Amp	21	0	63	27
6	Up-Cpin	27	0	63	31
7	Lo-Cpin	32	0	63	41
8	AFC-Bow	32	0	63	32
9	AFC-Angle	23	0	63	29
10	Pin-Phase	23	0	63	17
11	V-Lin	7	0	15	8
12	S-Corr	5	0	15	7
13	Rotation-1	1	0	3	1
14	Rotation-2	15	0	15	15
15	H-Trap	1	0	31	14
16	H Linear	85	0	255	57
17	HC-Par-Amp	38	0	63	38
18	MP-Par-Amp	7	0	15	7
19	UpPin Axis	3	0	3	3
20	LoPin Axis	3	0	3	3
21	UpPin Gain	3	0	3	3
22	LoPin Gain	2	0	3	2
23	AKB-Tim	15	0	31	15
24	BLK-Off	OFF	OFF	ON	OFF
25	AKB-Off	OFF	OFF	ON	OFF
26	Up-Blk	0	0	15	0
27	Lo-Blk	0	0	15	0
28	V-On	ON	OFF	ON	ON
29	Ew-Dc	OFF	OFF	ON	OFF
30	Uc-Pol	OFF	OFF	ON	OFF
31	Vblk-Sw	OFF	OFF	ON	OFF
32	Sync-Phase	0	0	3	0
33	AFC-Mode	2	0	3	2
34	Rst-Sw	OFF	OFF	ON	OFF
35	Left-Blk	52	0	63	52
36	Clp-Phase	3	0	3	3
37	Right-Blk	30	0	63	48
38	Clp-Gate	OFF	OFF	ON	OFF
39	Hblk-Sw	ON	OFF	ON	ON
40	V-Aspect	0	0	63	0
41	Zoom-Sw	OFF	OFF	ON	OFF
42	Jmp-Sw	OFF	OFF	ON	OFF
43	V-Scroll	31	0	63	31
44	V-Freq	2	0	3	2
45	Up-Vlin	0	0	15	0
46	Lo-Vlin	0	0	15	0
47	V-Comp	6	0	15	6
48	H-Comp	0	0	15	0
49	VSaw1-Dc	7	0	15	7
50	Pin-Comp	4	0	7	5
51	VSaw1-Amp	0	0	31	0
52	AFC-Comp	0	0	7	0
53	MP-Par-Dc	2	0	15	2
54	HC-Par-Dc	31	0	63	31
55	Asp-Sw	OFF	OFF	ON	OFF
56	VDrv-Sw	OFF	OFF	ON	OFF
57	HC-Par-Pha	31	0	63	31

Select : ▲▼ Last menu : ◀ Enter Item : ▶

Deflection System Adjustment

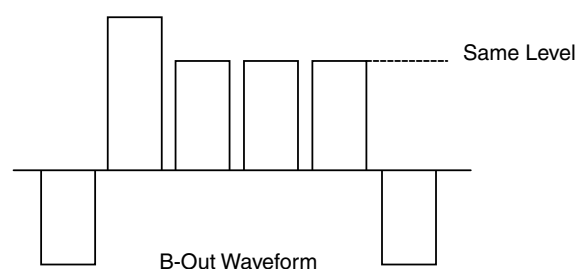
1. Program the Remote Commander for operation in Service Mode. [See Page 24] and enter into 'Service Mode' by pressing 'VIDEO' button twice. Enter into the 'Device Register Setting' then 'Deflection' service menu.
2. Select and adjust each item in order to obtain the optimum image.



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. Program the Remote Commander for operation in Service Mode. [See Page 24] and enter into 'Service Mode' by pressing 'VIDEO' button twice. Enter into the 'Device Register Setting' then 'Backend' service menu.
4. Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.



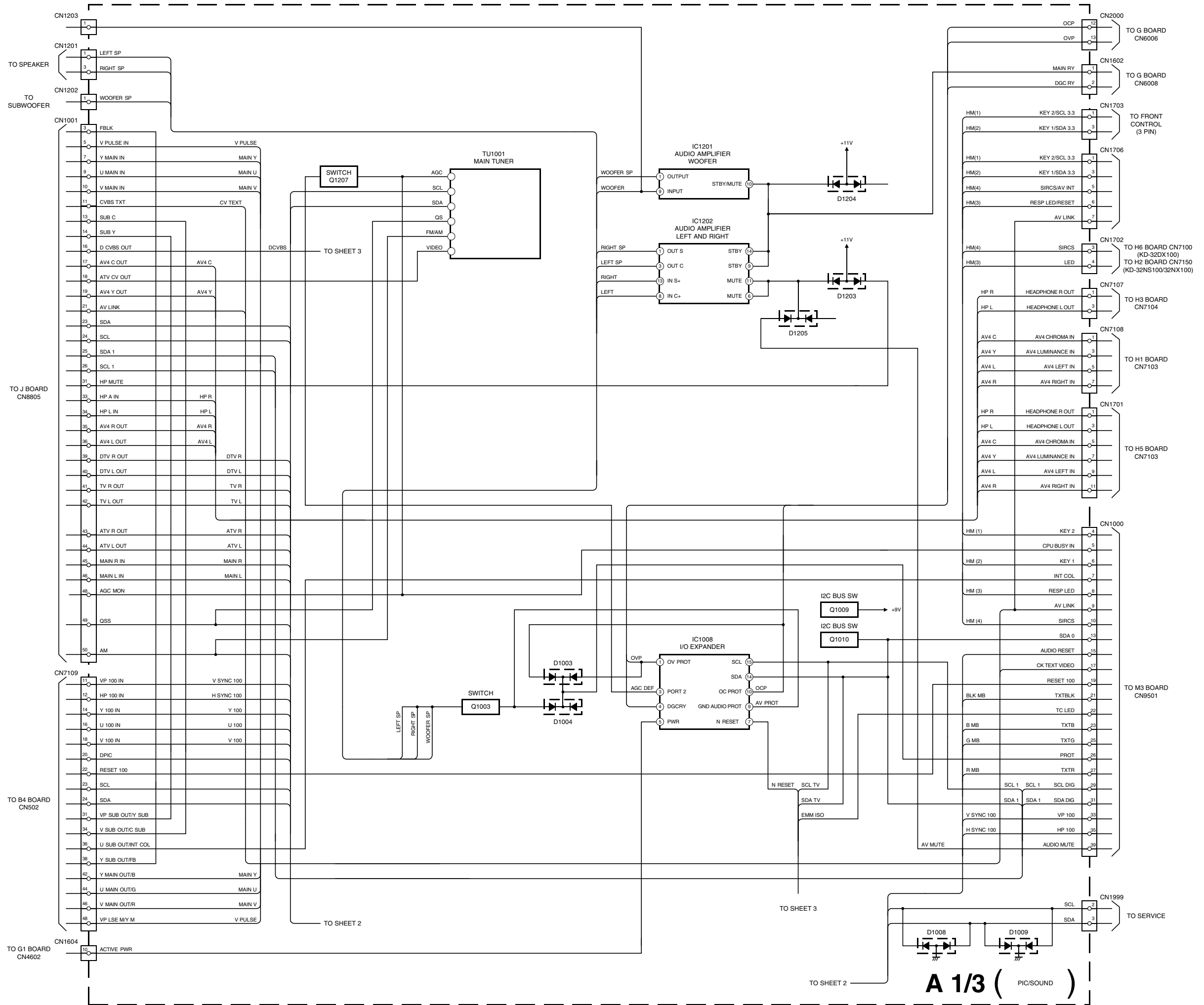
4-3. TEST MODE 2:

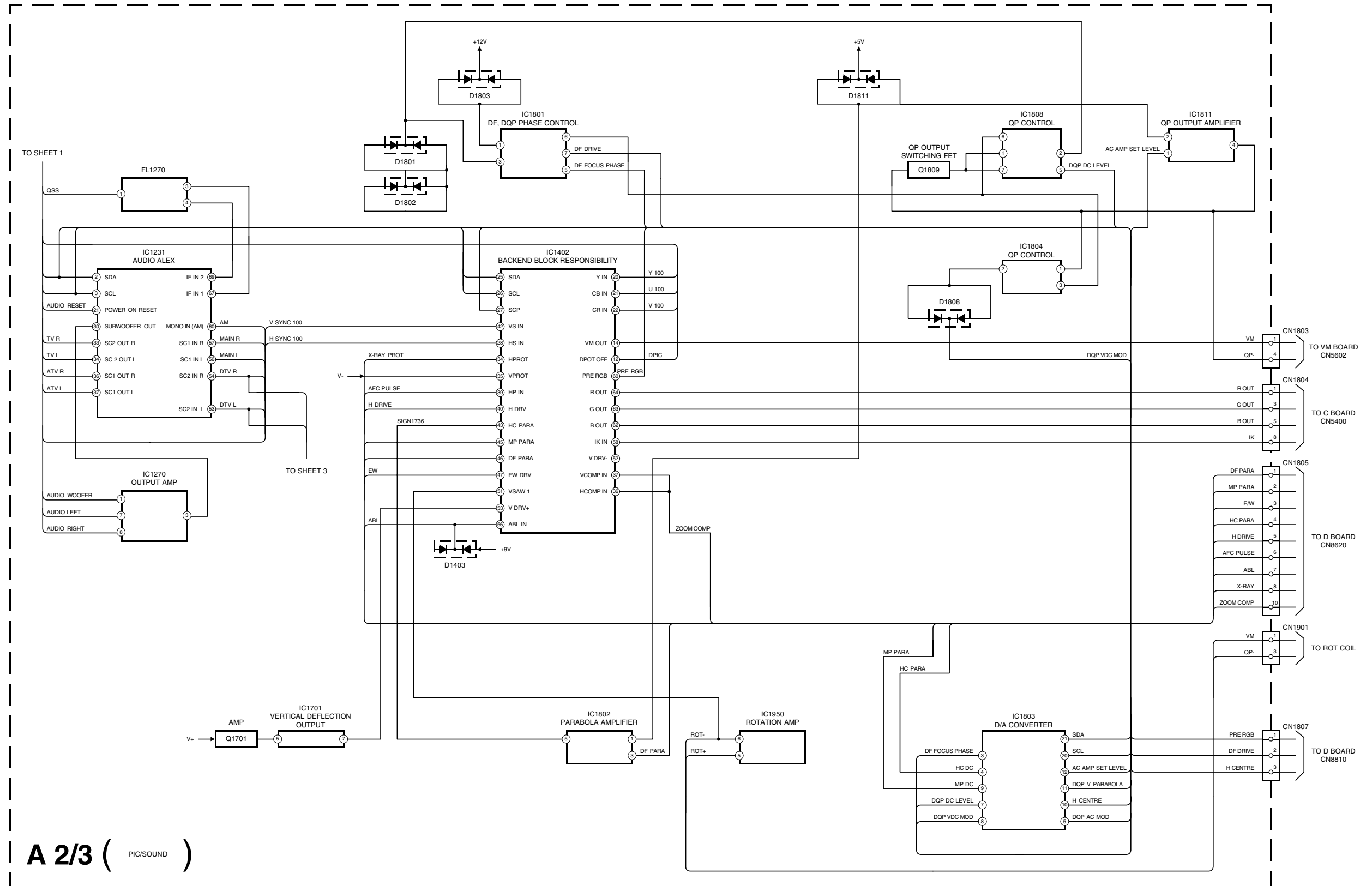
Test Mode 2 is available by programming the remote commander for operation in service mode (see page 24) and pressing the 'VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press '0' twice or switch the TV set into Stand-by mode.

00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Volume=30% (speaker/headphone)
04	Volume=50% (speaker/headphone)
05	Volume=65% (speaker/headphone)
06	Volume=80% (speaker/headphone)
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	No function
15	Picture Rotation test
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	No function
21	Destination A
22	Destination L
23	Destination E
24	Destination U
25	Destination D
26	Destination B
27	Destination K
28	Destination R
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 (program 99)
43	No function
44	DRC100
45	DRC50
46	Reserved for dealer commander
47	Re-initialise NVM (program 99)
48	Set NVM as non virgin
49	Set NVM as virgin
50	No function
51	No function
52	No function
53	No function

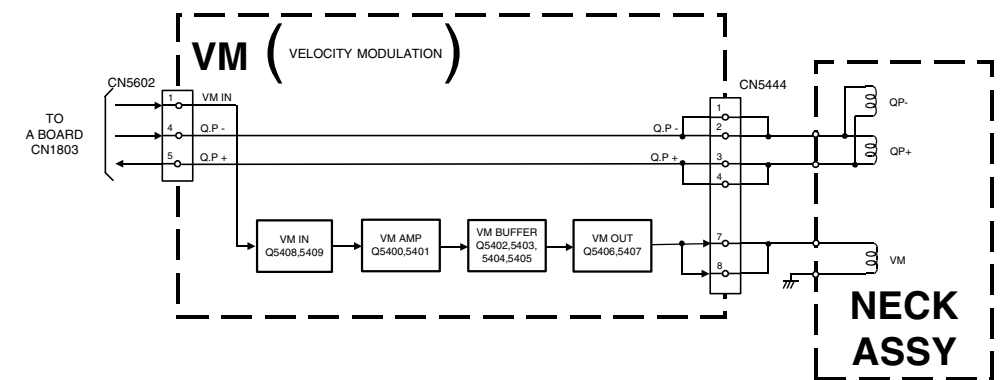
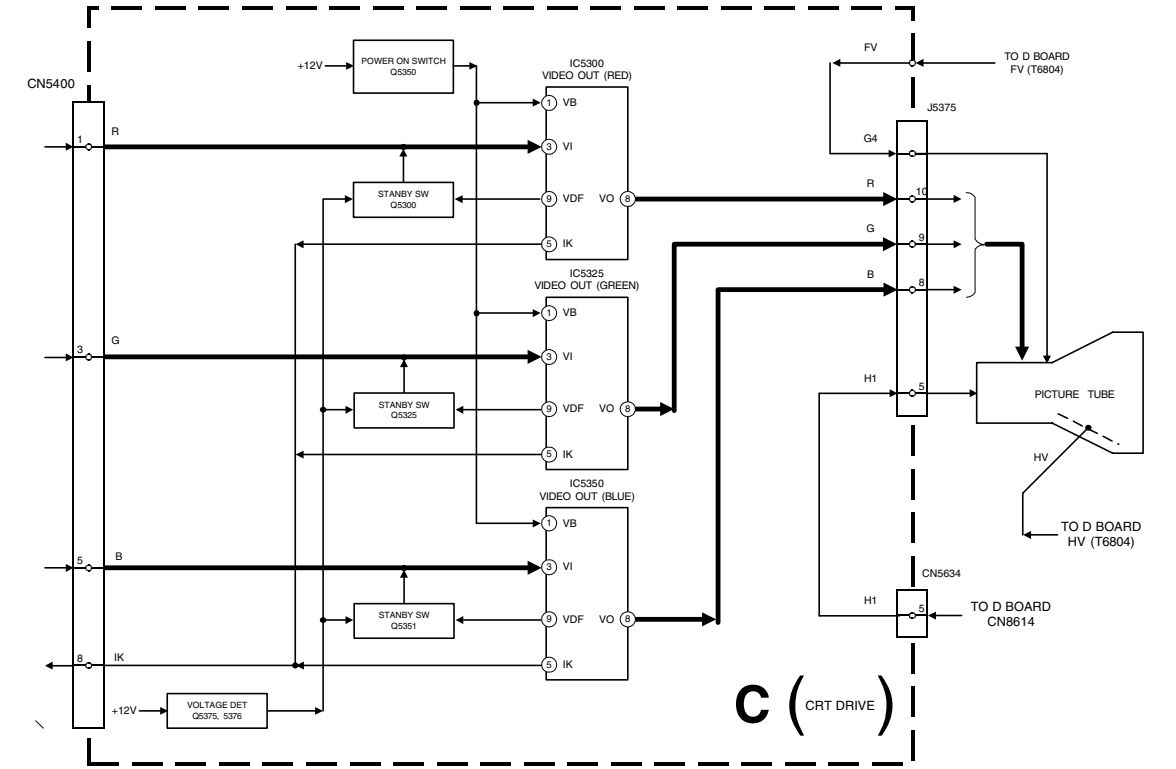
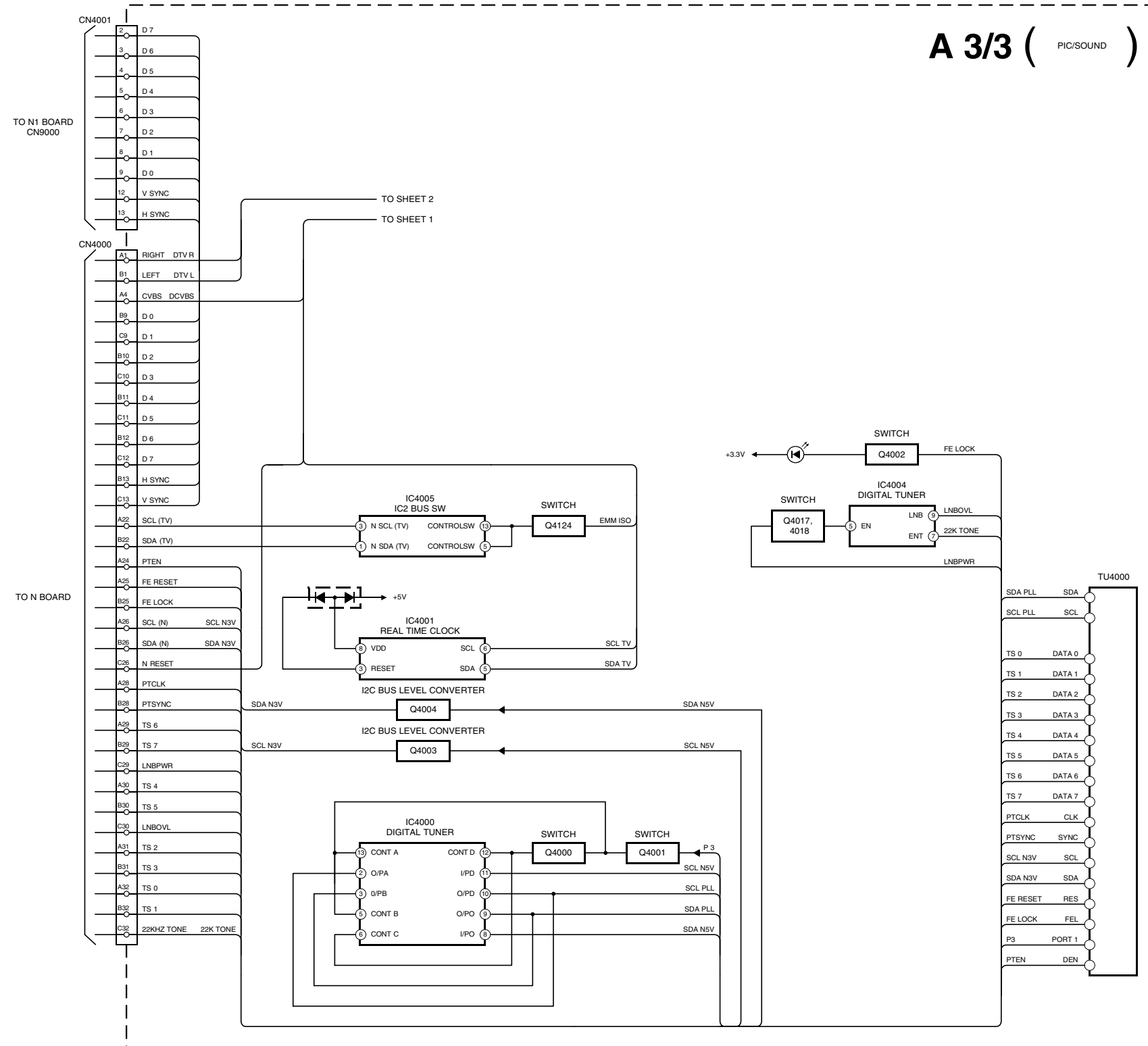
54	No function
55	No function
56	No function
57	No function
58	Send NVM data to service connector
59	Set NVM data from service connector
60	No function
61	Service mode
62	Production mode
63	Copy the picture-reset data from ROM into the picture-reset location of NVM
64	Copy the actual adj picture data from NVM into the picture-reset location of NVM
65	Reset error codes
67	N board reset
68	Ignore errors on
69	Ignore errors off
70	No function
71	Copy default dates of PANORAMA/external PLL/MID/MIDX from ROM into NVM
72	AV link test
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 12501mode
77	Picture Booster check
78	Video mute OFF
81	BER display mode
82	AV monitor mode
83	EMMA Internal Colour Bar On/Off
84	EEPROM clear
85	File system re-format
86	FE2d/others
87	Personal ID reset
88	Digital shipping
90	No function
91	Focus adjustment (Focus Phase/Ext. Deflection) with left and right joystick button
92	Focus adjustment (DC LevelFocus Phase/Ext. Deflection) with left and right joystick button
93	Reserved for software group only
94	INDEX mode test command, released by 00
95	OSD mute ON/OFF
96	TS pass through CI module
97	Digital TT test command
98	EMMA recovery enable/disable
99	Speaker check, released by 00

5-1. BLOCK DIAGRAMS (1)

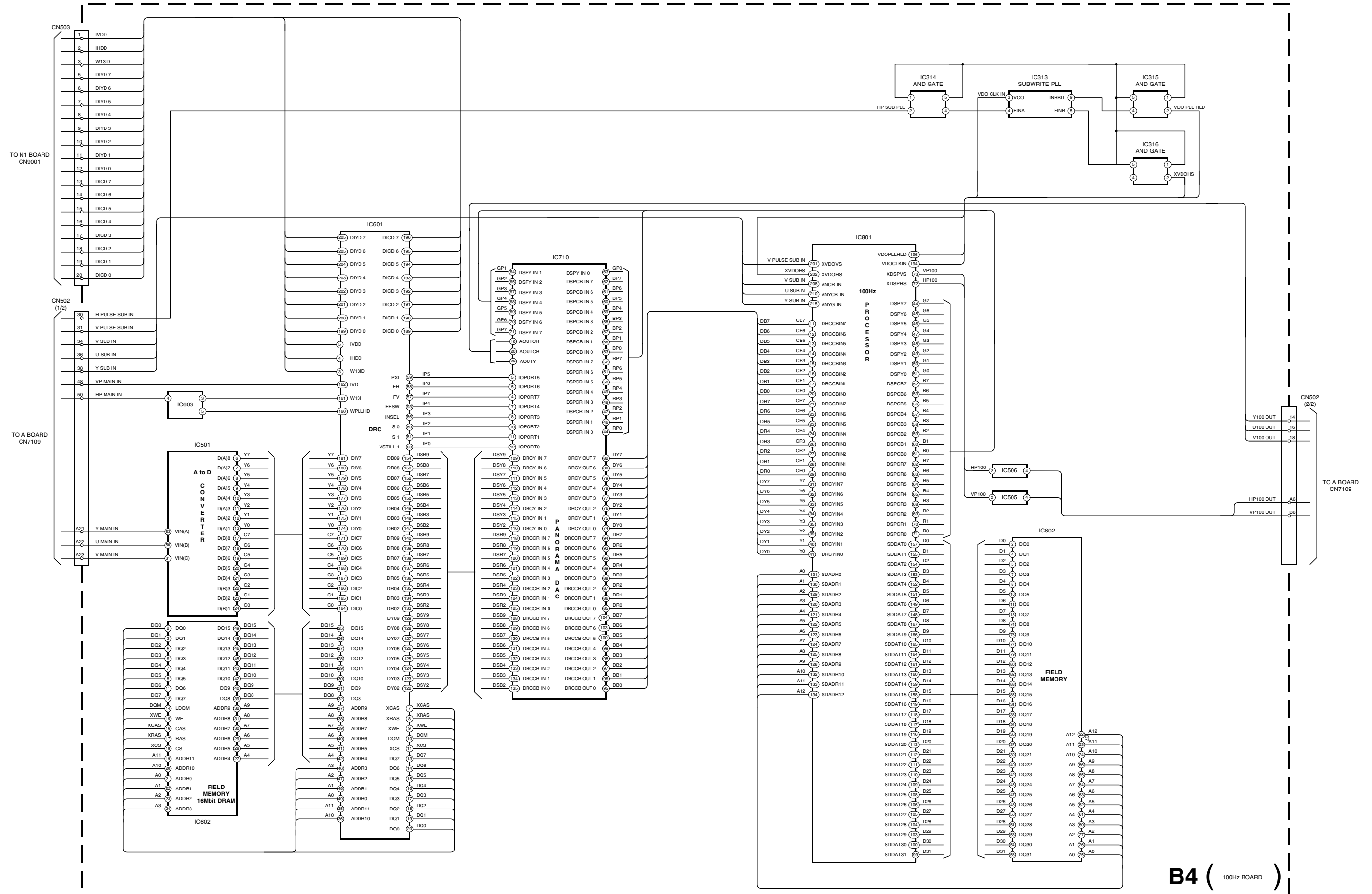




5-1. BLOCK DIAGRAMS (3)

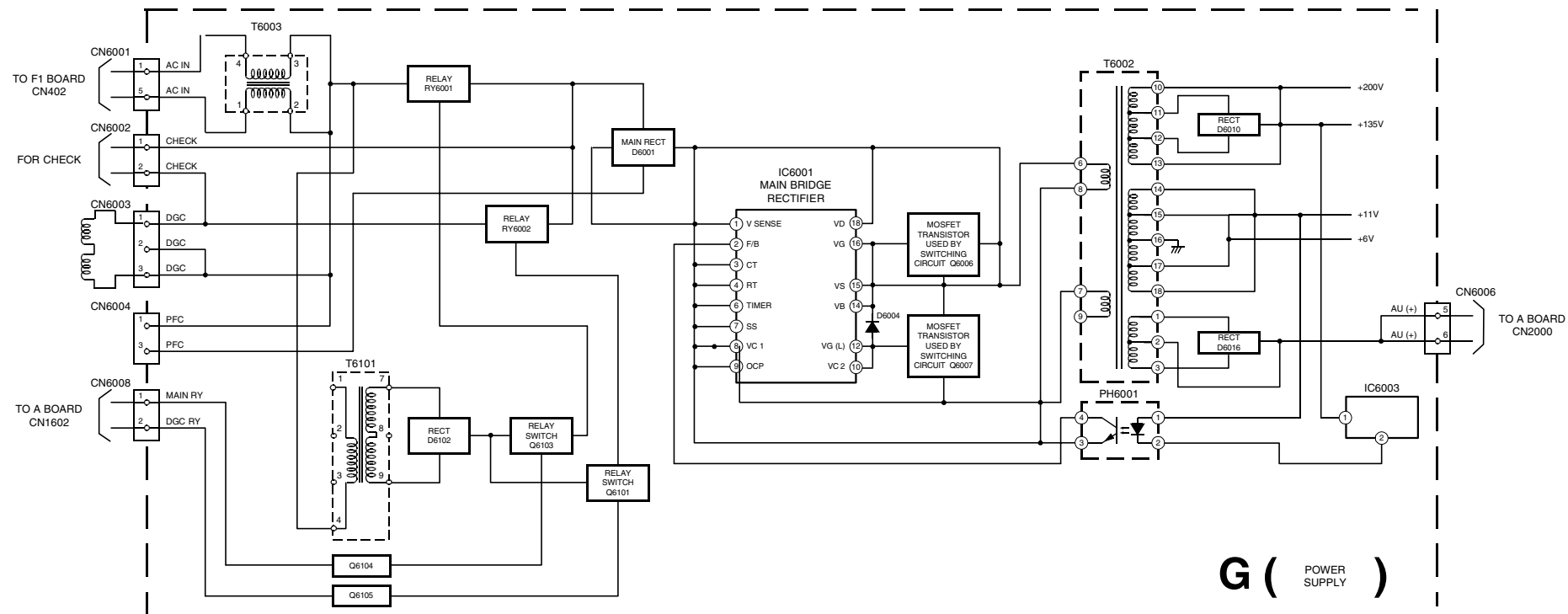
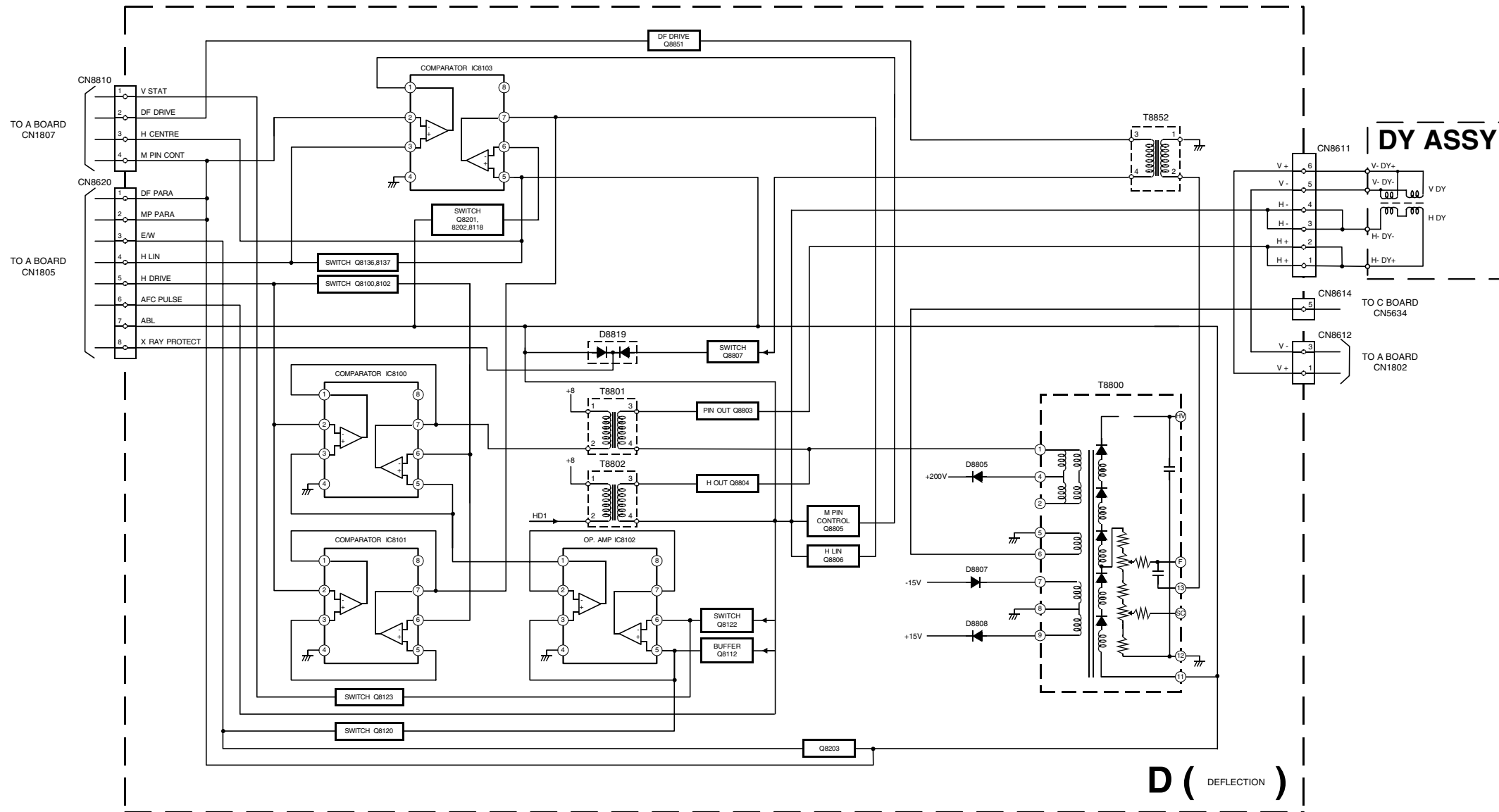


5-1. BLOCK DIAGRAMS (4)

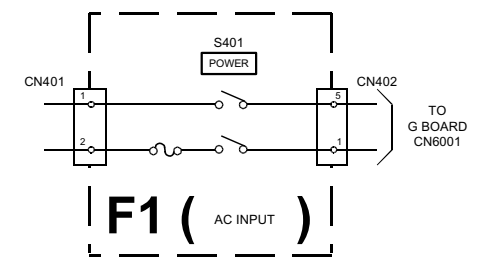
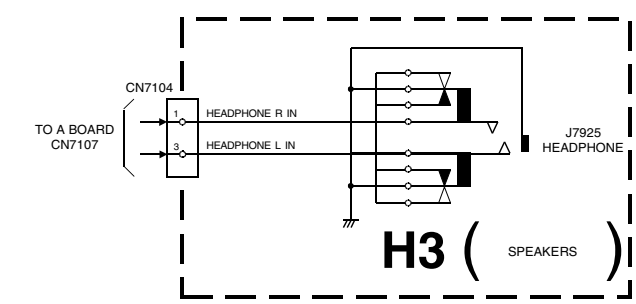
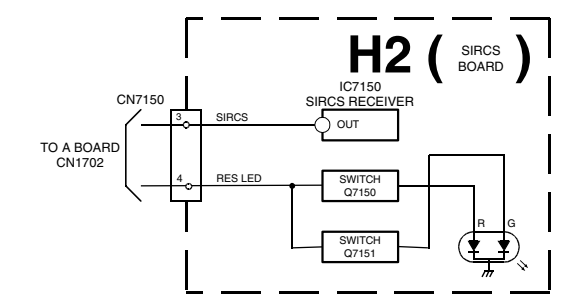
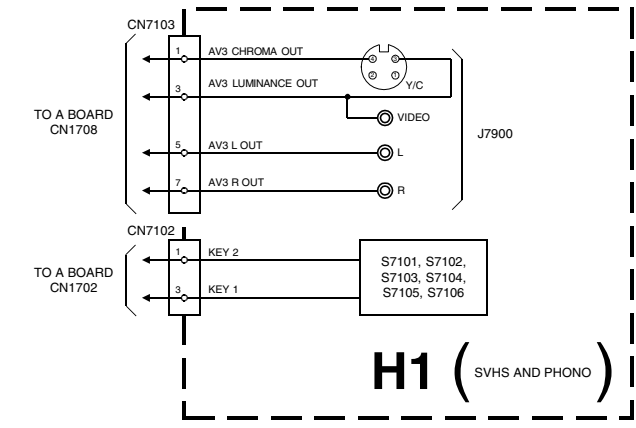
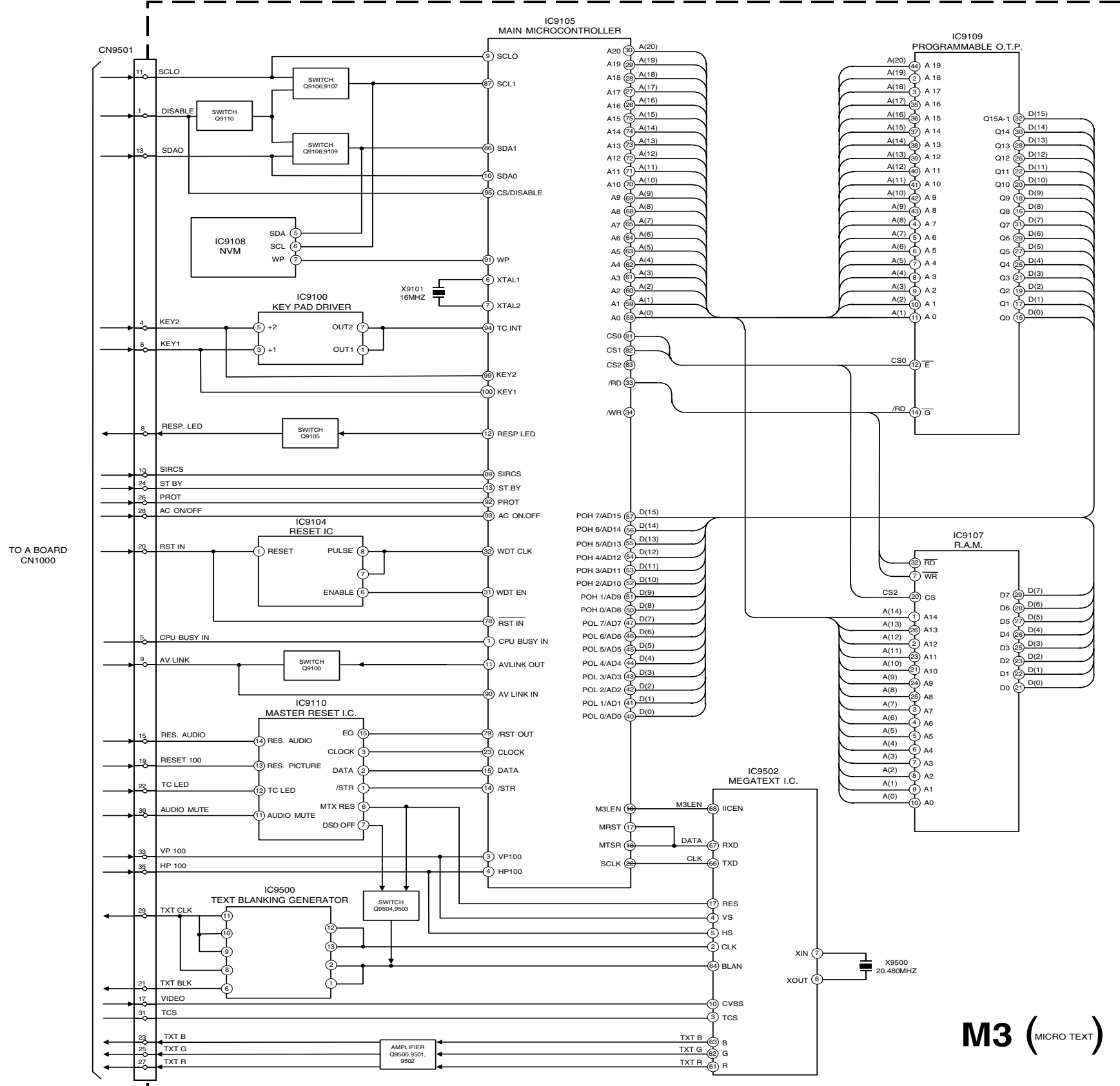


B4 (100Hz BOARD)

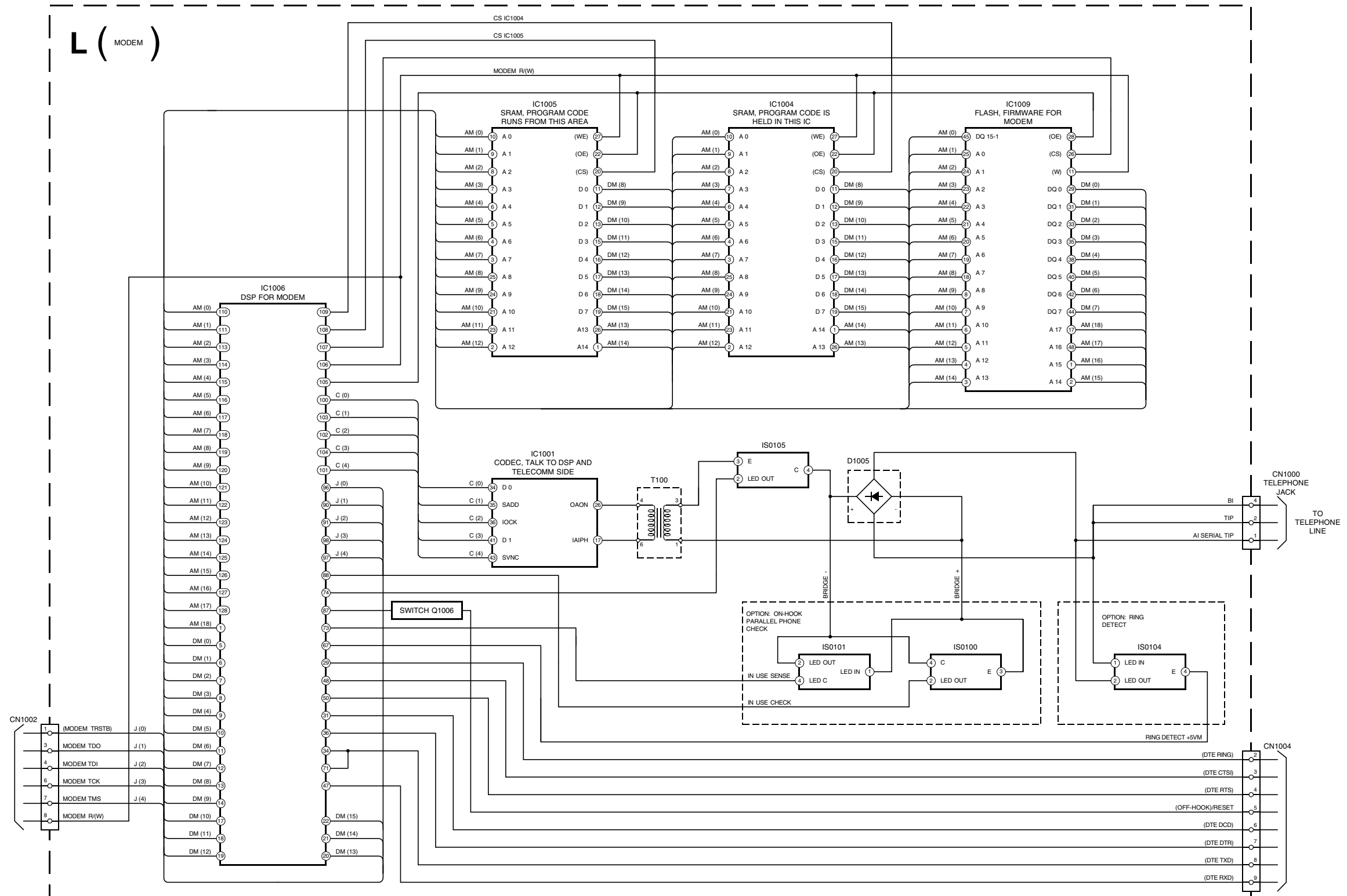
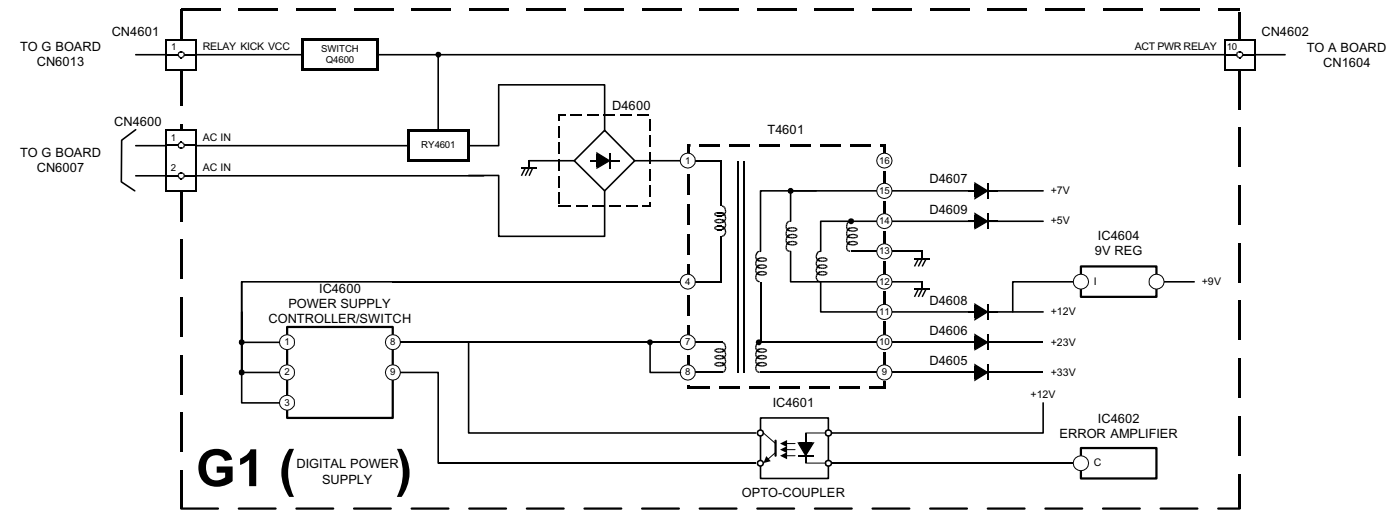
5-1. BLOCK DIAGRAMS (5)



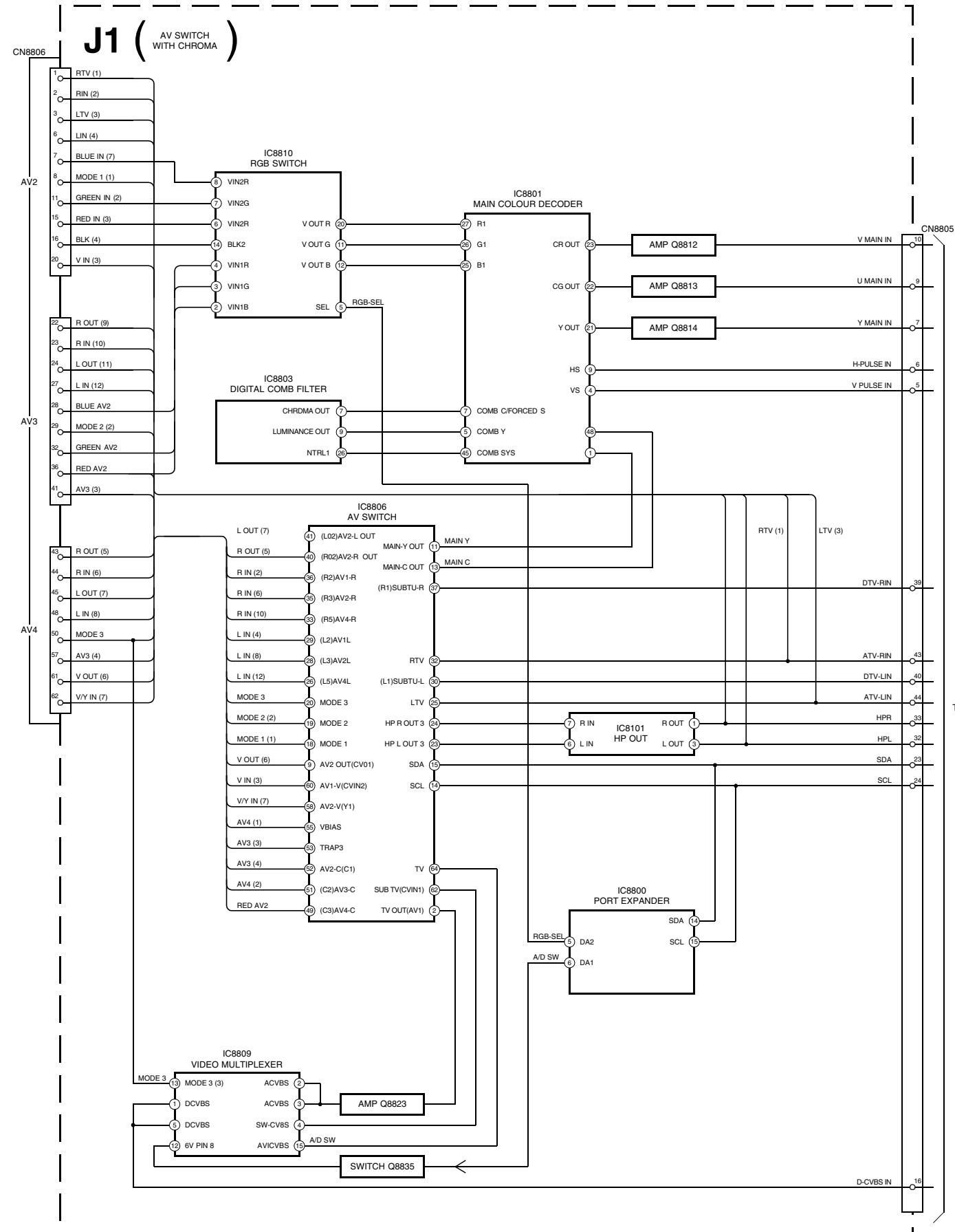
5-1. BLOCK DIAGRAMS (6)



5-1. BLOCK DIAGRAMS (7)



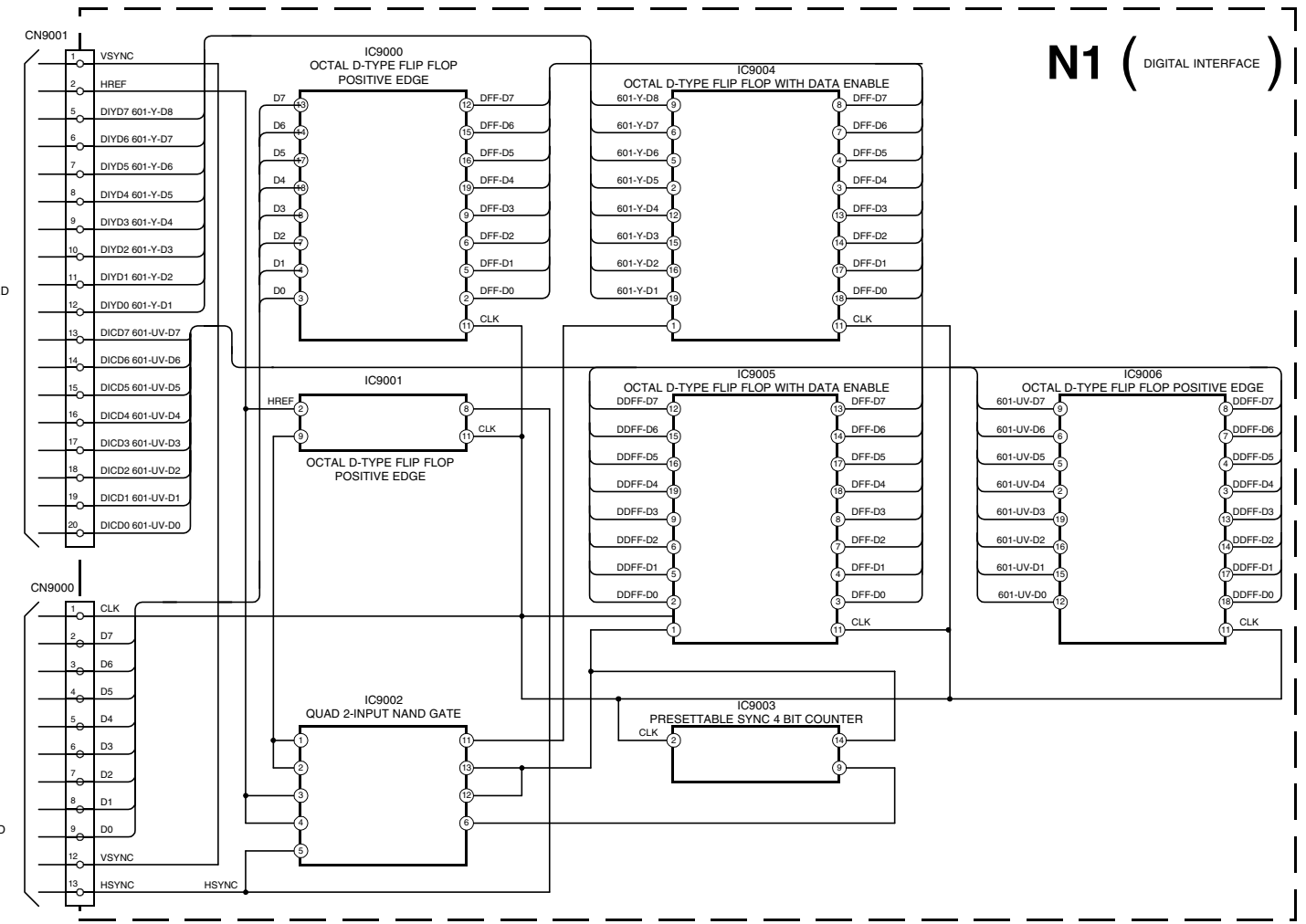
5-1. BLOCK DIAGRAMS (8)



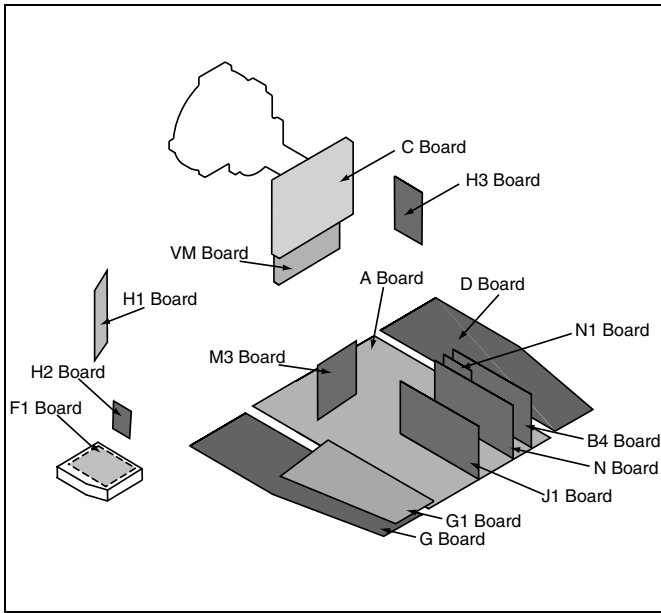
TO B4 BOARD CN503

TO A BOARD CN1001

TO A BOARD CN4001



5-2. CIRCUIT BOARD LOCATION












5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS


Note :

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

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

- Chip resistors are 1/10W
- All resistors are in ohms.
k = 1000 ohms, M = 1000,000 ohms
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
-  : 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 \triangle 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 \triangle sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

~ A Board Semiconductor Voltage Table ~

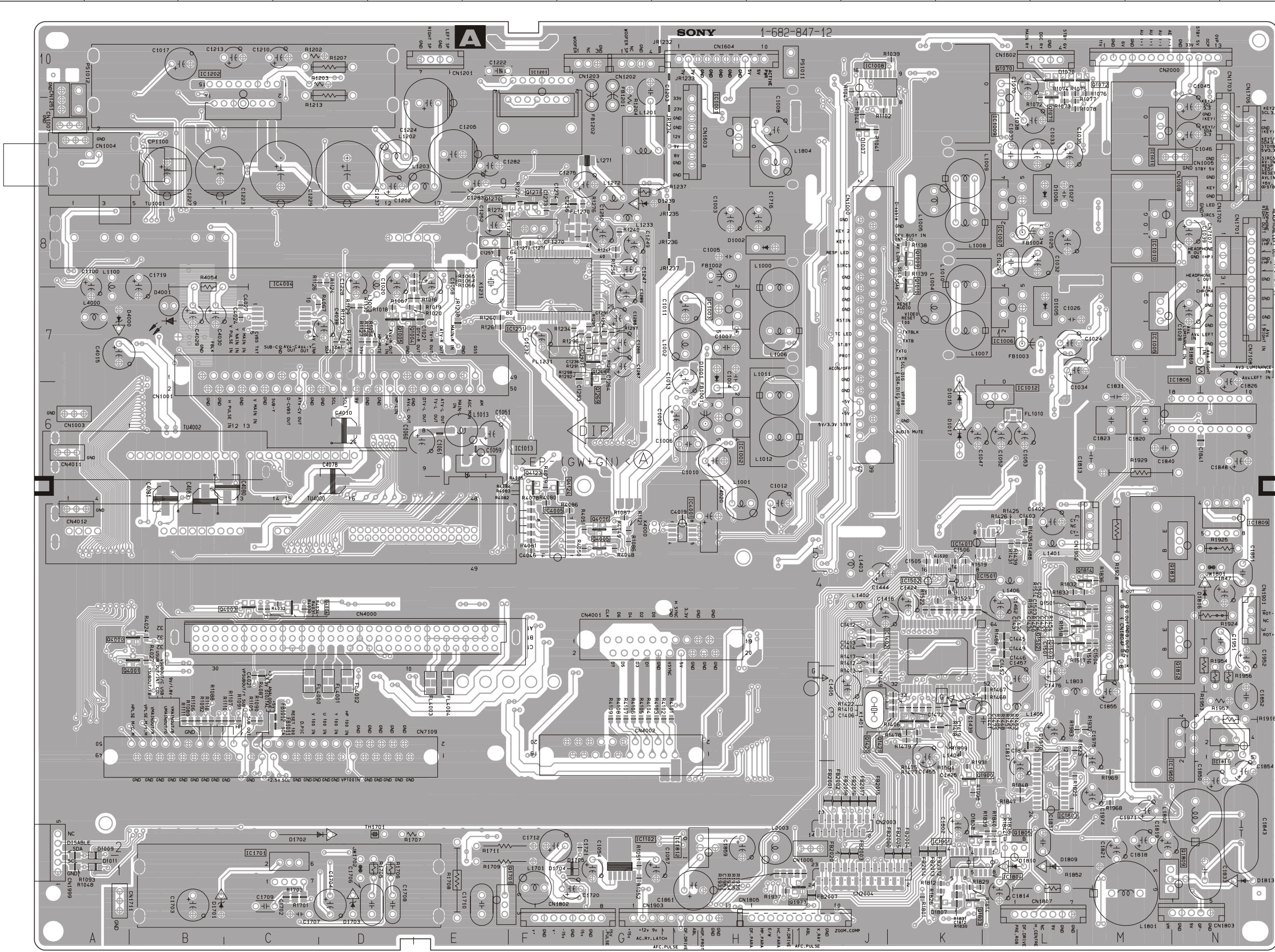
Ref	(s)	(g)	(d)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q4003	2.7	3.3	4	Q1006	5	4.7	1	Q1205	5	4.4	3.4	Q1407	1.9	1.2	0	Q1801	0	7.9	0	Q4000	6	6.6	10.9
Q4004	2.7	3.3	4	Q1007	4.2	4.8	8.3	Q1207	0.7	1.3	5	Q1410	0	0.4	2.2	Q1802	0	0	0	Q4001	2.7	2	0
Q4005	2.7	3.3	4	Q1008	3.3	3.9	8.3	Q1270	1.3	1.9	5	Q1411	8	7.3	0	Q1803	0	0	12	Q4002	11.6	10.9	8.6
Q4006	2.7	3.3	4	Q1009	3.3	3.9	8.3	Q1271	1.9	2.5	5	Q1412	8	7.4	0	Q1804	4.3	0	5	Q4017	2.7	2.7	8.9
Ref	(e)	(b)	(c)	Q1010	0	0	15.2	Q1272	3.3	2.7	3.9	Q1413	8	7.3	0	Q1805	12	11.3	9.8	Q4018	2.7	2.7	8.9
Q1001	3.2	0	0.5	Q1072	0	0.7	0	Q1401	0	0.7	1.2	Q1420	7.2	6.4	0	Q1814	2.5	1.9	0				
Q1002	0	1.3	0.5	Q1201	0.6	0.6	0.5	Q1402	7.6	8.3	9	Q1421	7.2	6.5	0	Q1900	0.5	1.1	7.7				
Q1003	5	0.5	3.6	Q1202	1.9	2.5	4.4	Q1404	2.8	3.4	7.9	Q1422	5.6	5	0	Q1970	6	6.6	9				
Q1004	1.9	1.3	0	Q1203	1.9	2.5	4.4	Q1405	0	0.7	1.5	Q1423	3.9	4.5	9	Q1971	0.7	1.4	9				
Q1005	0	0.5	5	Q1204	5	4.4	3.4	Q1406	0.2	0.8	11.7	Q1701	0	0	0.5	Q1972	0.7	1.4	9				

~ A Board IC Voltage Table ~

IC Voltage Table																					
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)							
IC1002	1	-6.7	IC1201	1	0	IC1202	6	0	IC1402	IC1402	11	1.8	IC1231	1	8.9						
	2	-2.7		2	14.8		7	0			12	0.4		2	0						
	3	0		3	0		8	0			13	0.9		3	4.7						
	4	-1.3		4	0		9	0			14	5		4	4.7						
	5	-6.1		5	0		10	0			15	2.5		5	4.7						
IC1003	1	-6.7		6	15		11	0			16	0		6	8.9						
	2	-3.4		7	0		12	0			17	3		7	0						
	3	0		8	15		13	0			18	2.7		8	4.8						
	4	-1.3		9	0		14	0			19	7.6		9	4.8						
	5	-6.2		10	7.8		15	-15			20	0		10	4.8						
IC1006	1	-6.8		11	-15	IC1402	1	1.7		IC1402	IC1402	21		0	IC1231	11	0				
	2	-2.7		12	14.8		2	8.5				22		0.4		12	0				
	3	0		13	-15		3	6.5				23		1.8		13	0				
	4	-1.3		14	15		4	0				24		0.4		14	6.3				
	5	-6.2		15	15		5	6.5				25		0.9		15	8.9				
IC1007	1	-6.8	IC1202	1	0		IC1402	6				7.1		IC1402		IC1402	26	5	IC1231	16	8.9
	2	-3.4		2	-15			7				0.4					27	2.5		17	6
	3	0		3	0			8				12					28	0		18	2.5
	4	-1.3		4	NC			9				0					29	3		19	4.1
	5	-6.2		5	0			10				0.4					30	2.7		20	0

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

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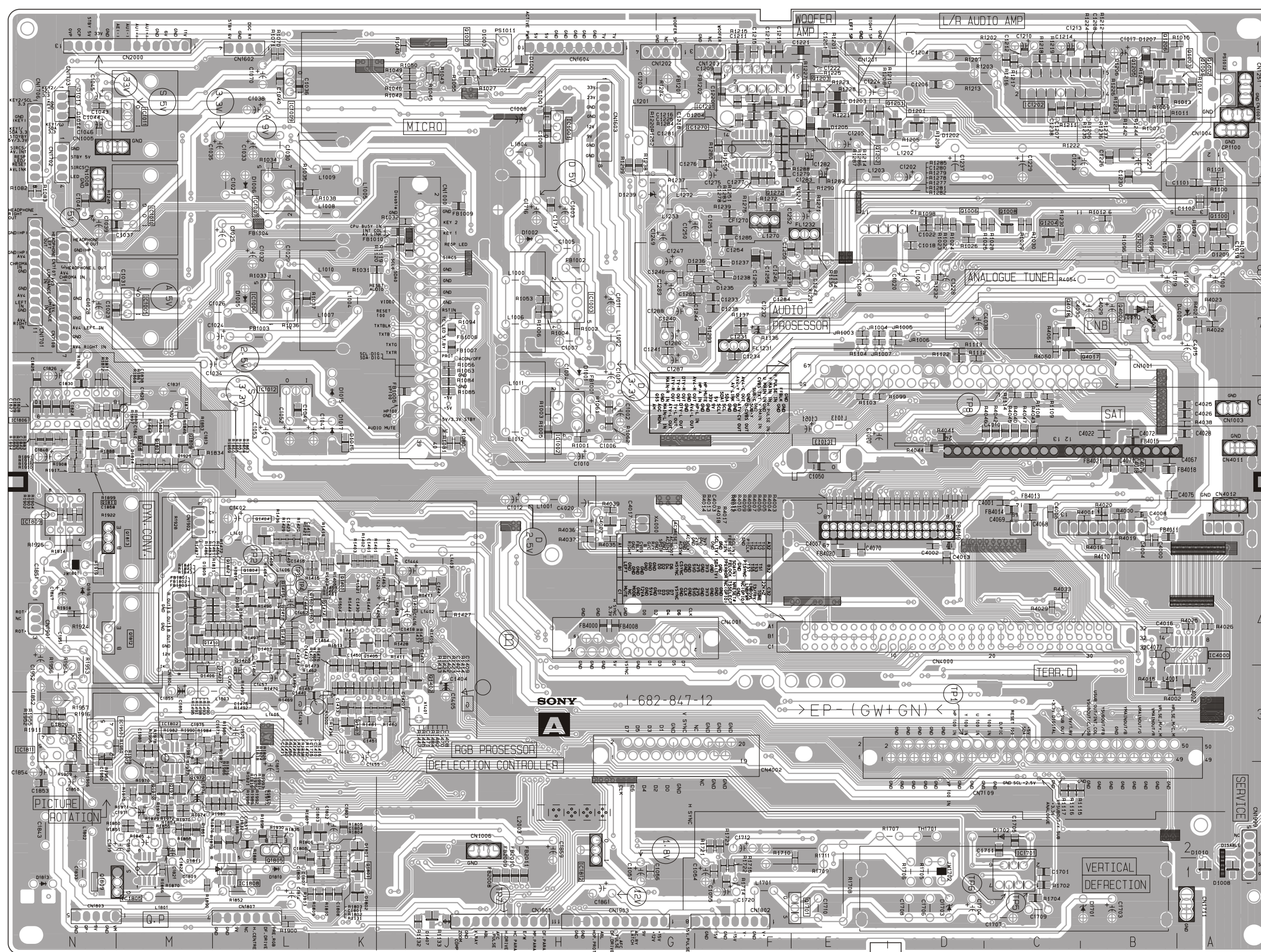
~ A Board Location Table (A Side) ~

DIODE		IC1402 J-7	
D1001	H-4	IC1701	D-10
D1002	L-3	IC1801	K-9
D1005	L-4	IC1803	L-9
D1006	L-3	IC1804	K-10
D1007	J-2	IC1809	N-6
D1009	B-10	IC1811	N-8
D1011	B-10	IC1950	M-8
D1070	L-1	IC4001	H-6
D1239	G-3	IC4004	D-4
D1701	C-10	IC4005	F-6
D1702	D-9	TRANSISTOR	
D1703	D-10	Q1004	E-4
D1807	K-10	Q1005	E-4
D1808	K-9	Q1009	J-3
D1809	L-10	Q1010	J-4
D1810	K-10	Q1070	L-1
D1813	N-10	Q1270	F-3
D4000	B-4	Q1271	F-3
D4001	B-4	Q1420	J-8
		Q1421	J-8
IC		IC1803	K-10
IC1001	H-2	IC1805	K-9
IC1002	H-5	IC1809	M-10
IC1003	H-4	IC1814	L-7
IC1005	M-4	IC1900	K-9
IC1006	K-4	IC4000	B-7
IC1007	K-3	IC4001	B-7
IC1008	J-1	IC4003	C-7
IC1009	K-2	IC4004	D-7
IC1102	G-9	IC4005	G-6
IC1201	F-1	IC4006	G-6
IC1202	C-1	IC4006	G-6
IC1231	F-4	IC4124	G-6
IC1401	K-7		

~ A Printed Wiring Board Conductor side A ~

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

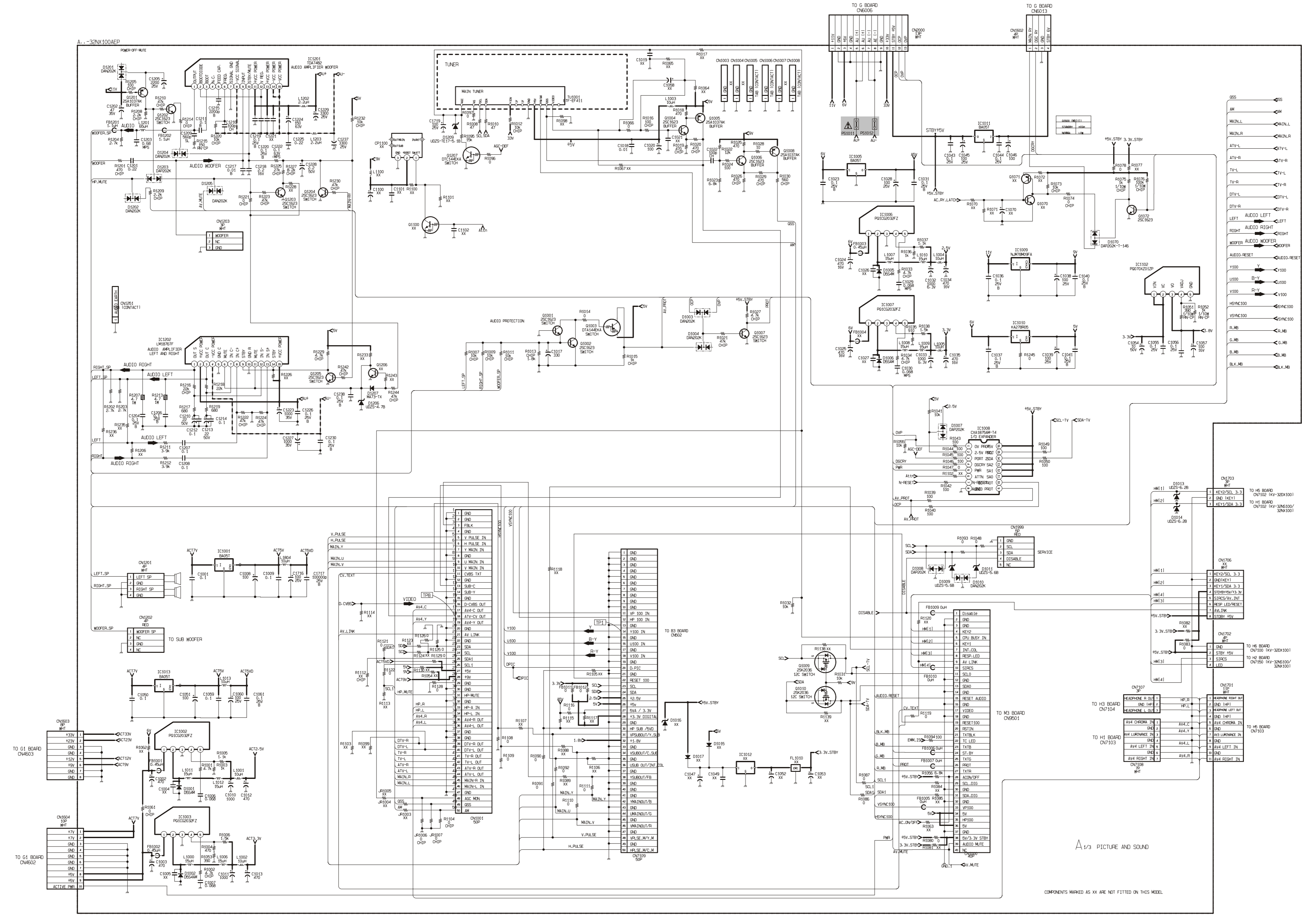
1
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~ A Board Location Table (B Side) ~

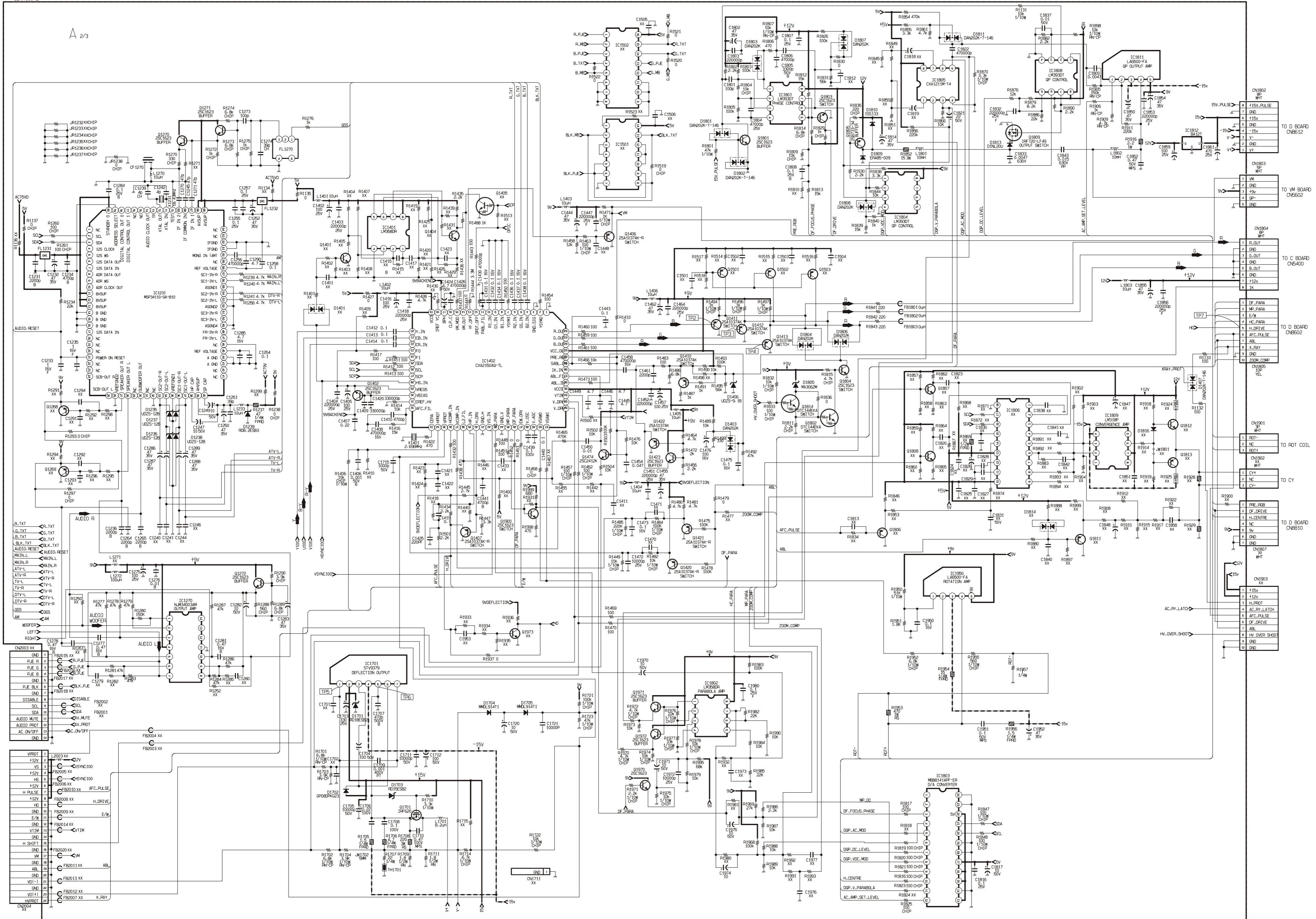
DIODE		IC	
D1001	G - 5	IC1007	D - 3
D1002	F - 3	IC1009	D - 2
D1003	F - 1	IC1201	I - 1
D1004	F - 1	IC1202	L - 2
D1005	C - 4	IC1270	I - 2
D1006	C - 3	IC1701	K - 10
D1006	B - 10	IC1802	C - 8
D1008	N - 10	IC1805	B - 10
D1010	M - 10	IC1808	C - 10
D1013	B - 2	IC1809	B - 6
D1014	B - 2	IC1811	B - 8
D1201	J - 2	IC1950	B - 8
D1202	K - 2	IC4000	M - 7
D1203	J - 2	TRANSISTOR	
D1204	I - 2	Q1001	M - 1
D1205	I - 2	Q1002	M - 1
D1206	M - 1	Q1003	M - 1
D1207	M - 1	Q1006	K - 3
D1209	M - 3	Q1007	F - 1
D1235	H - 3	Q1008	K - 3
D1236	H - 3	Q1201	J - 2
D1237	H - 3	Q1202	J - 2
D1238	H - 3	Q1203	J - 2
D1239	H - 2	Q1204	L - 3
D1401	E - 6	Q1205	M - 1
D1403	C - 7	Q1207	M - 3
D1406	C - 7	Q1272	I - 3
D1407	E - 10	Q1401	D - 6
D1701	L - 10	Q1402	E - 8
D1702	K - 9	Q1404	D - 6
D1703	J - 10	Q1405	E - 7
D1801	D - 9	Q1406	E - 7
D1802	D - 10	Q1407	D - 8
D1803	D - 9	Q1410	C - 7
D1804	C - 7	Q1411	D - 7
D1805	C - 7	Q1412	D - 7
D1806	C - 7	Q1413	D - 7
D1809	C - 10	Q1422	D - 7
D1810	D - 10	Q1423	C - 8
D1811	C - 9	Q1701	I - 10
D1813	A - 10	Q1801	E - 10
D4000	M - 4	Q1802	C - 7
D4001	M - 4	Q1804	D - 7
D4002	G - 6	Q1805	D - 9
		Q1809	B - 10
		Q1970	B - 9
IC1001	G - 2	Q1971	C - 9
IC1002	G - 5	Q1972	C - 9
IC1003	G - 4	Q4002	M - 4
IC1005	B - 4	Q4017	L - 4
IC1006	D - 4	Q4018	L - 4

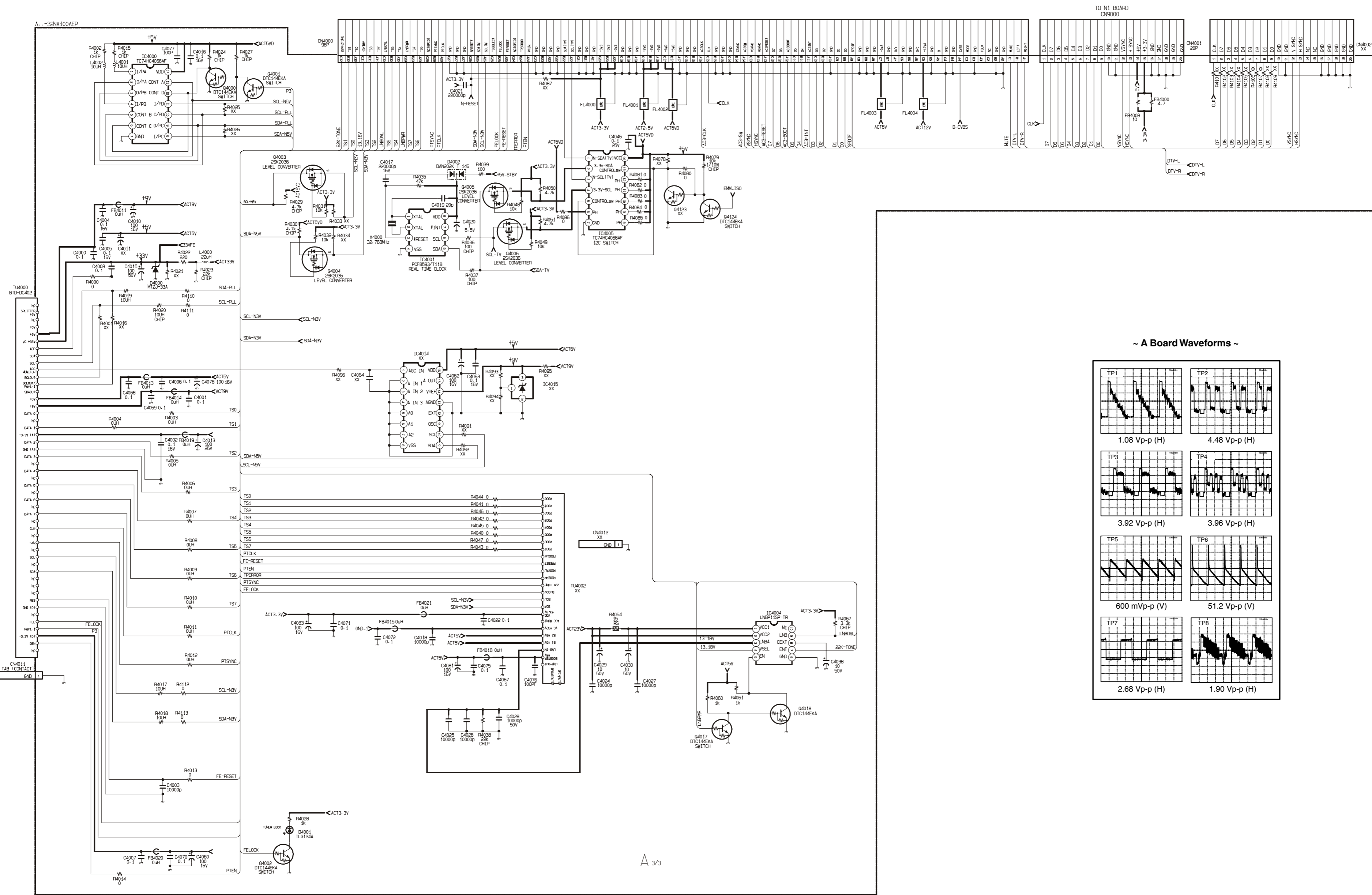
~ A Printed Wiring Board Conductor side B ~



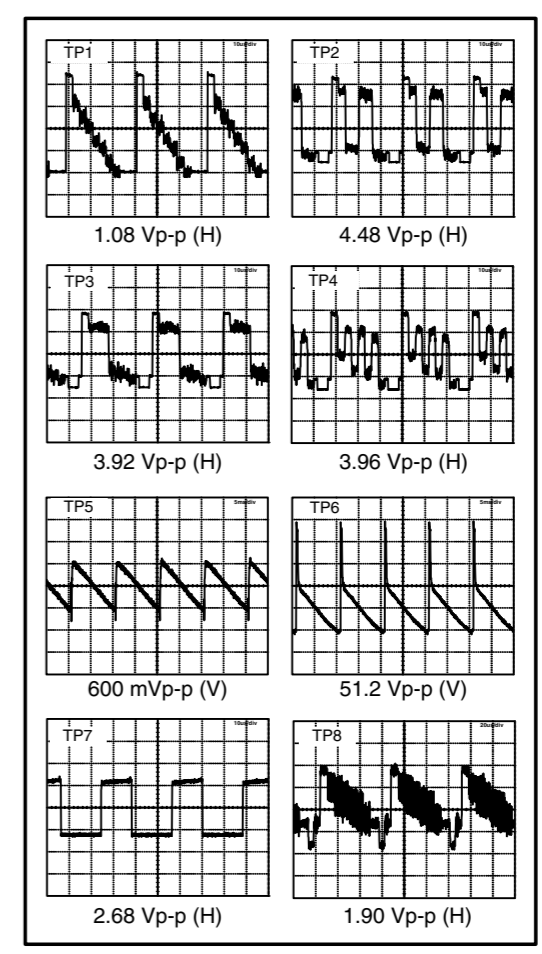
A 1/3 PICTURE AND SOUND

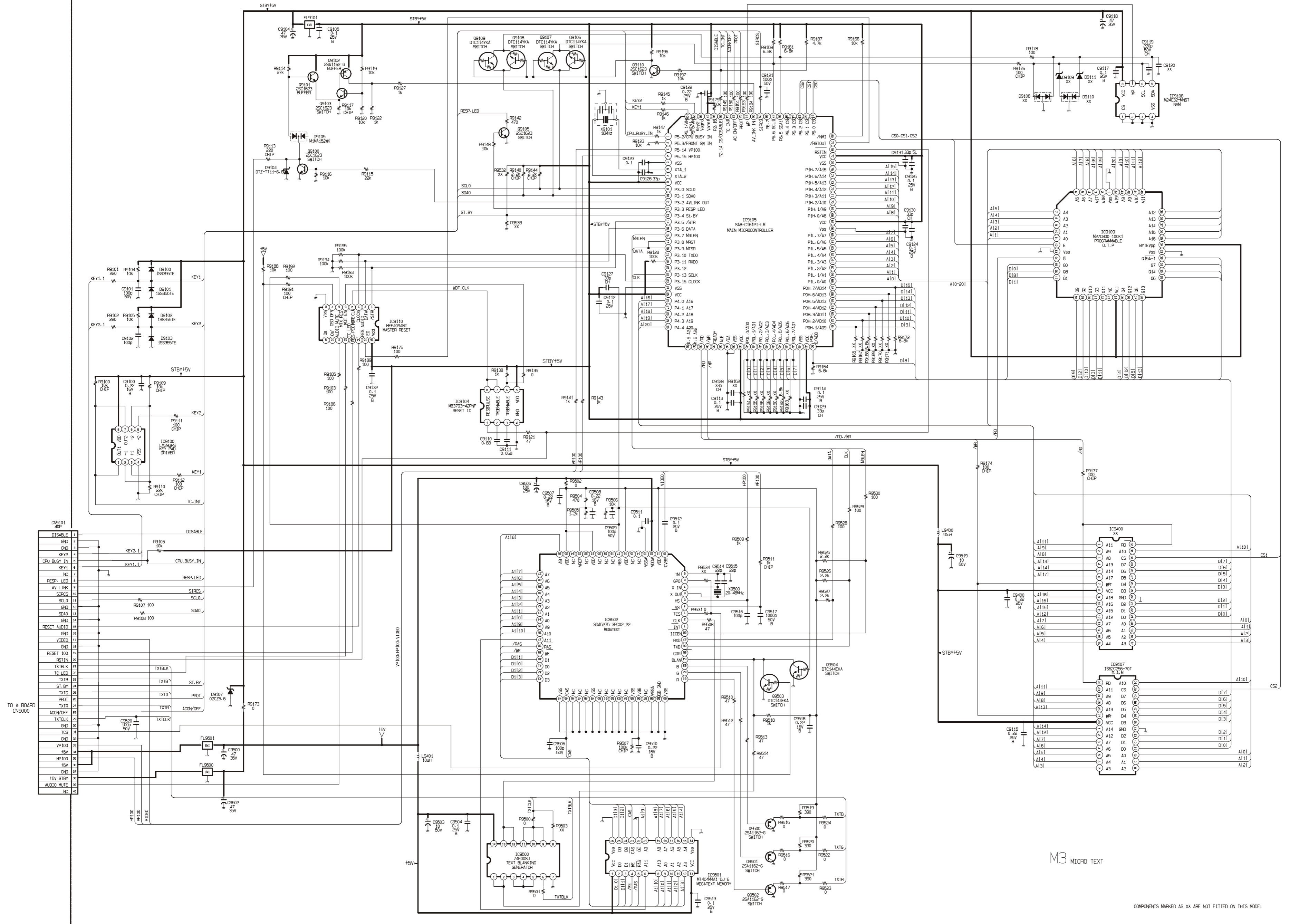
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL





~ A Board Waveforms ~

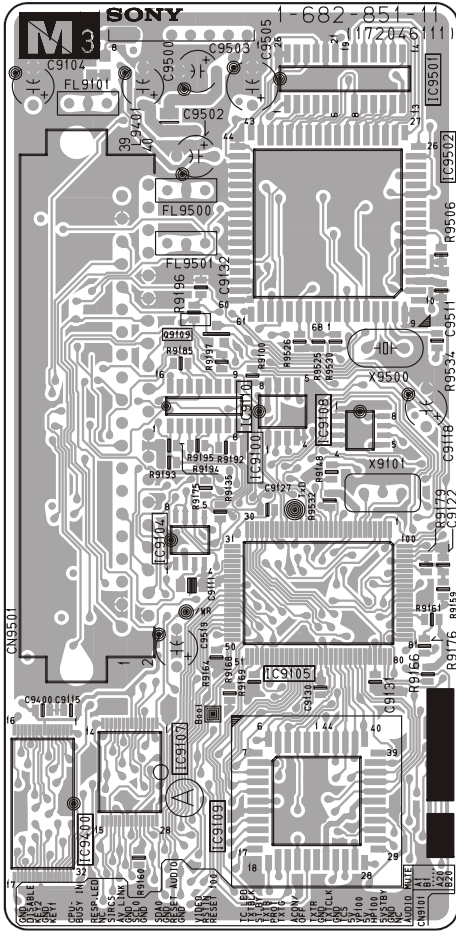




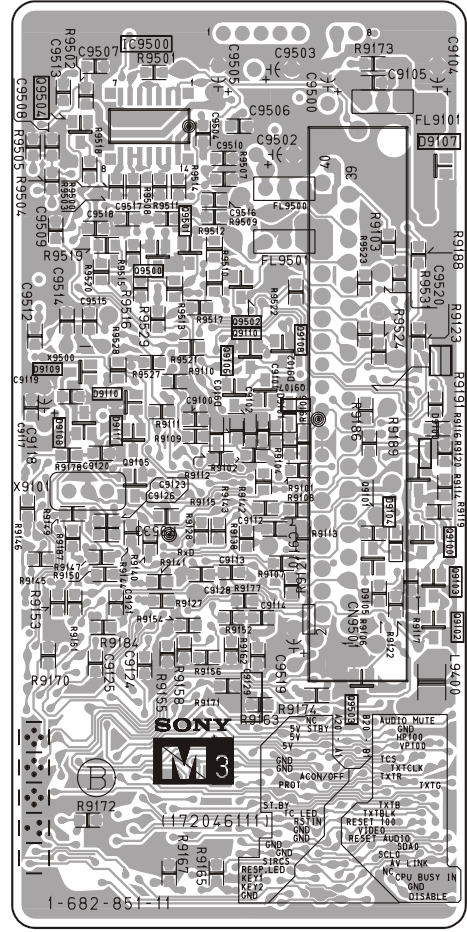
M3 MICRO TEXT

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

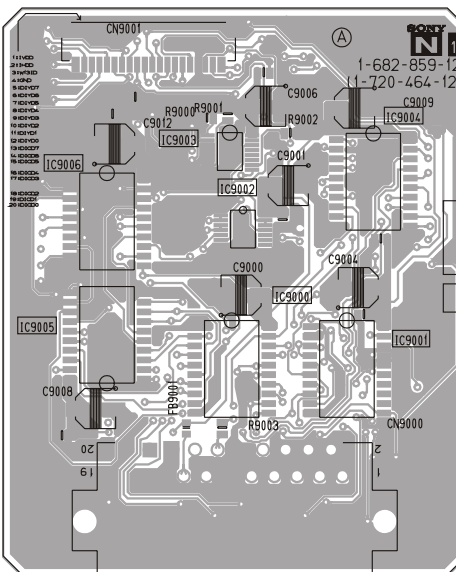
~ M3 Printed Wiring Board Conductor side A ~



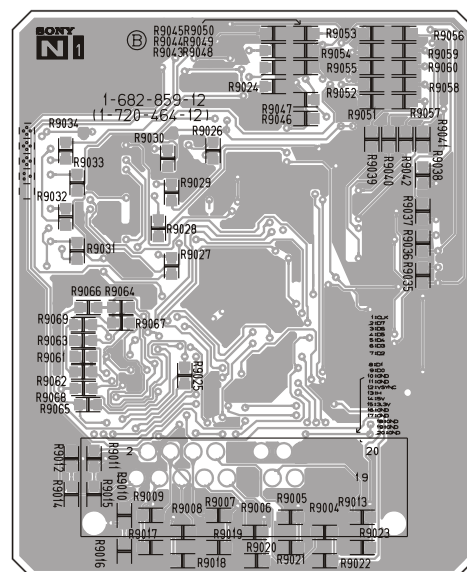
~ M3 Printed Wiring Board Conductor side B ~



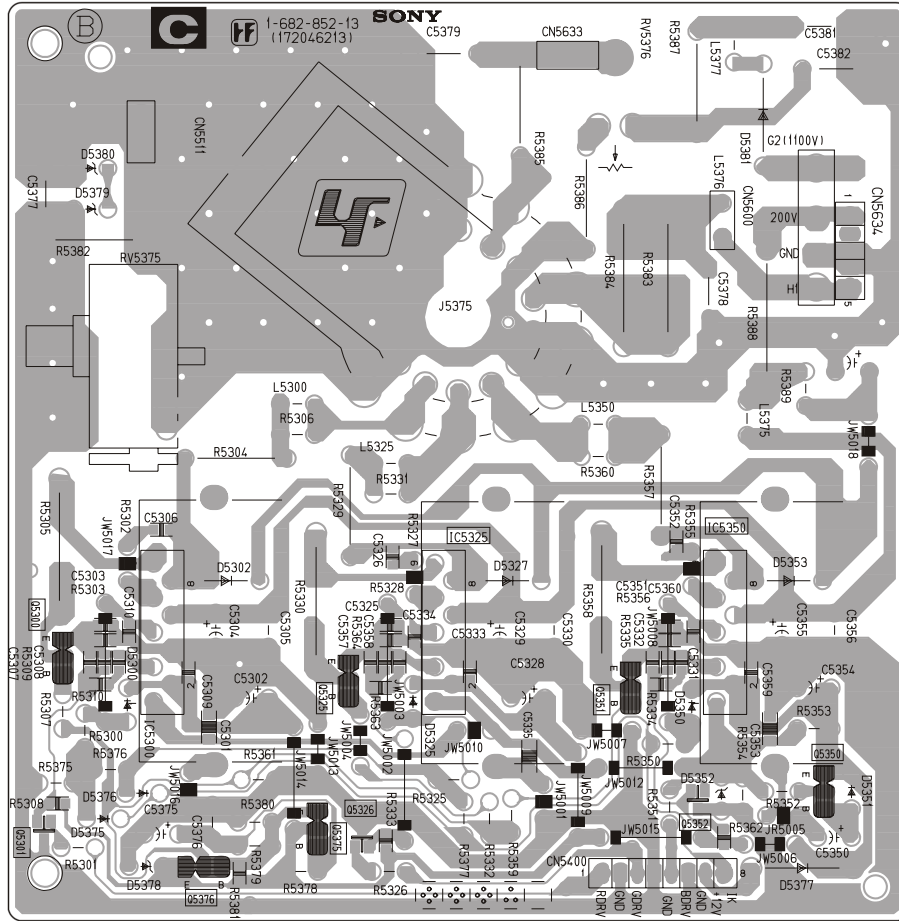
~ N1 Printed Wiring Board Conductor side A ~



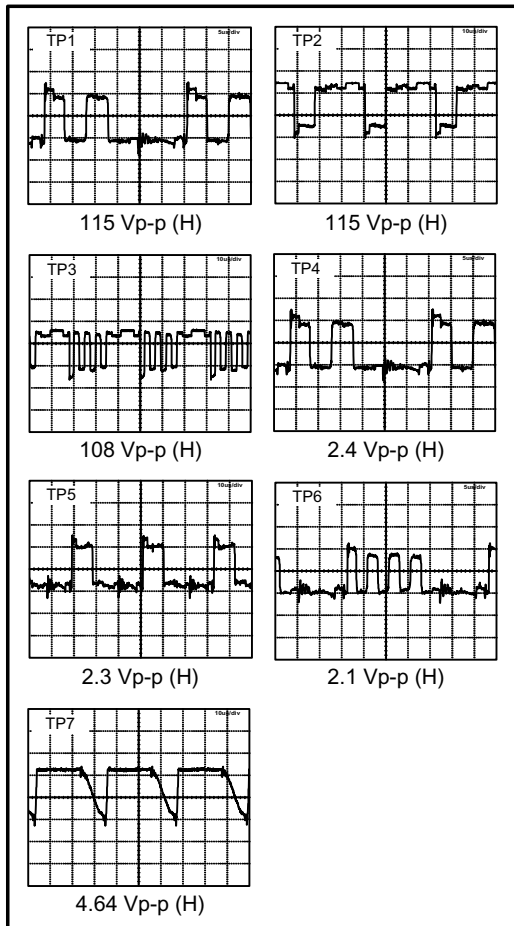
~ N1 Printed Wiring Board Conductor side B ~



~ C Printed Wiring Board Conductor side ~



~ C Board Waveforms ~

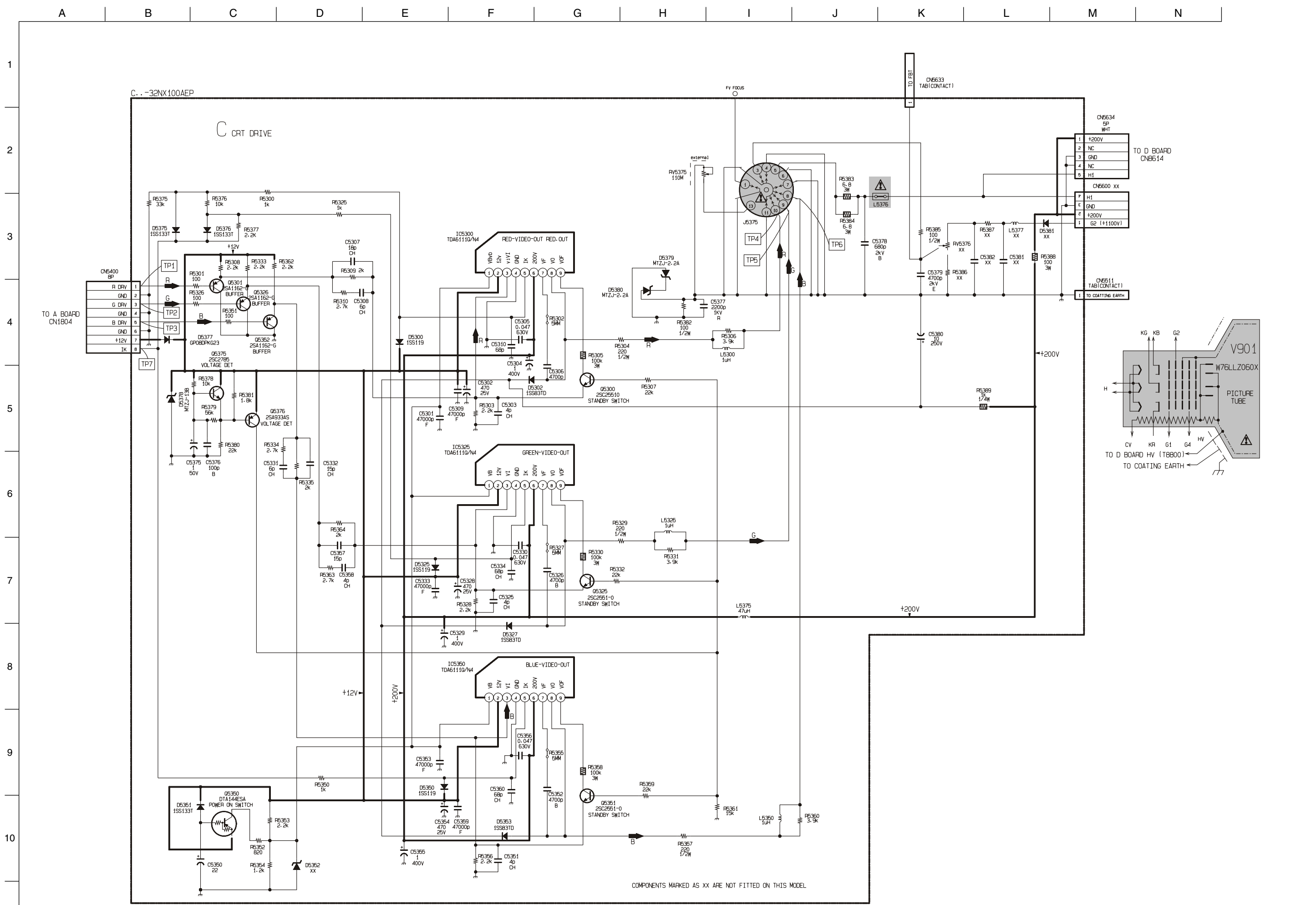


~ C Board Semiconductor Voltage Table ~

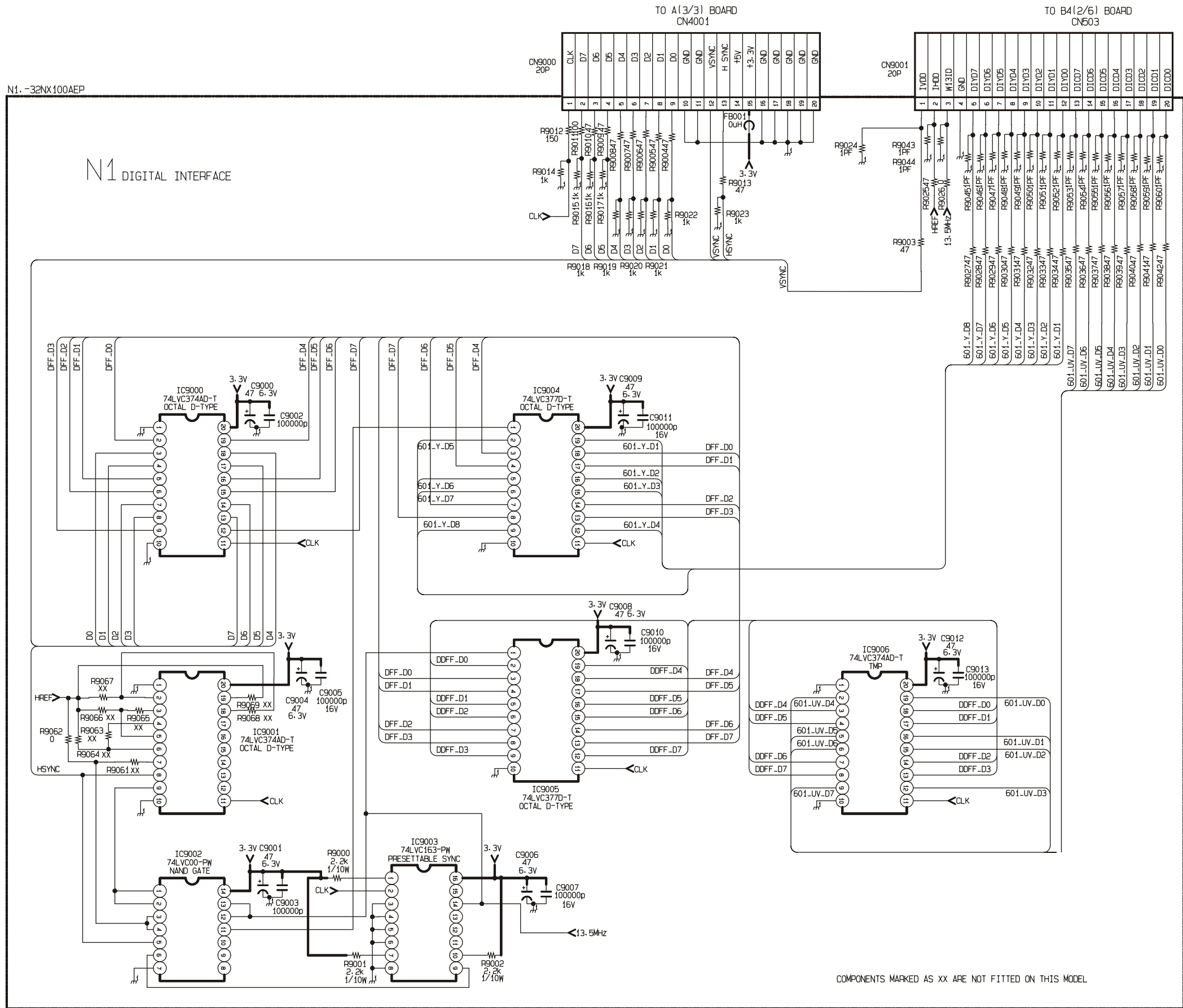
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q5301	3.5	2.8	0	Q5300	3.7	4.4	3.8
Q5326	3.6	3	0	Q5325	3.7	4.4	3.8
Q5352	3.7	3	0	Q5351	3.8	4.4	3.9
Q5375	10.3	10.9	11	Q5350	11	10.9	3.9
Q5376	11	10.3	10.9				

~ C Board IC Voltage Table ~

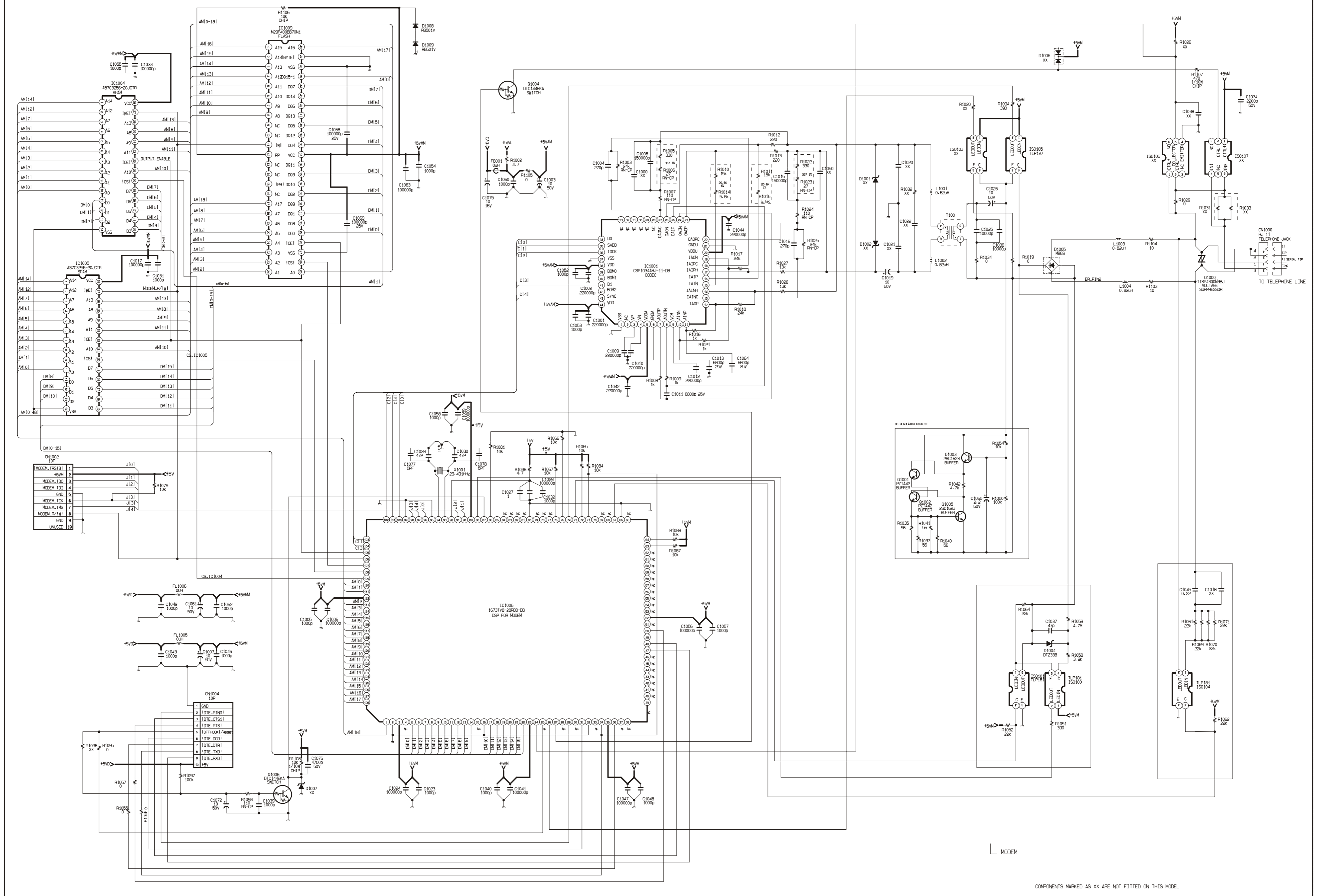
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC5300	1	3.9
	3	3.8
	5	8.4
	7	153.0
	8	157.0
IC5325	9	152.0
	1	3.9
	3	3.8
	5	8.7
IC5350	7	150.0
	8	155.0
	9	150.0
	1	3.9
	3	3.8
IC5350	5	8.4
	7	150.0
	8	156.0
	9	149.0



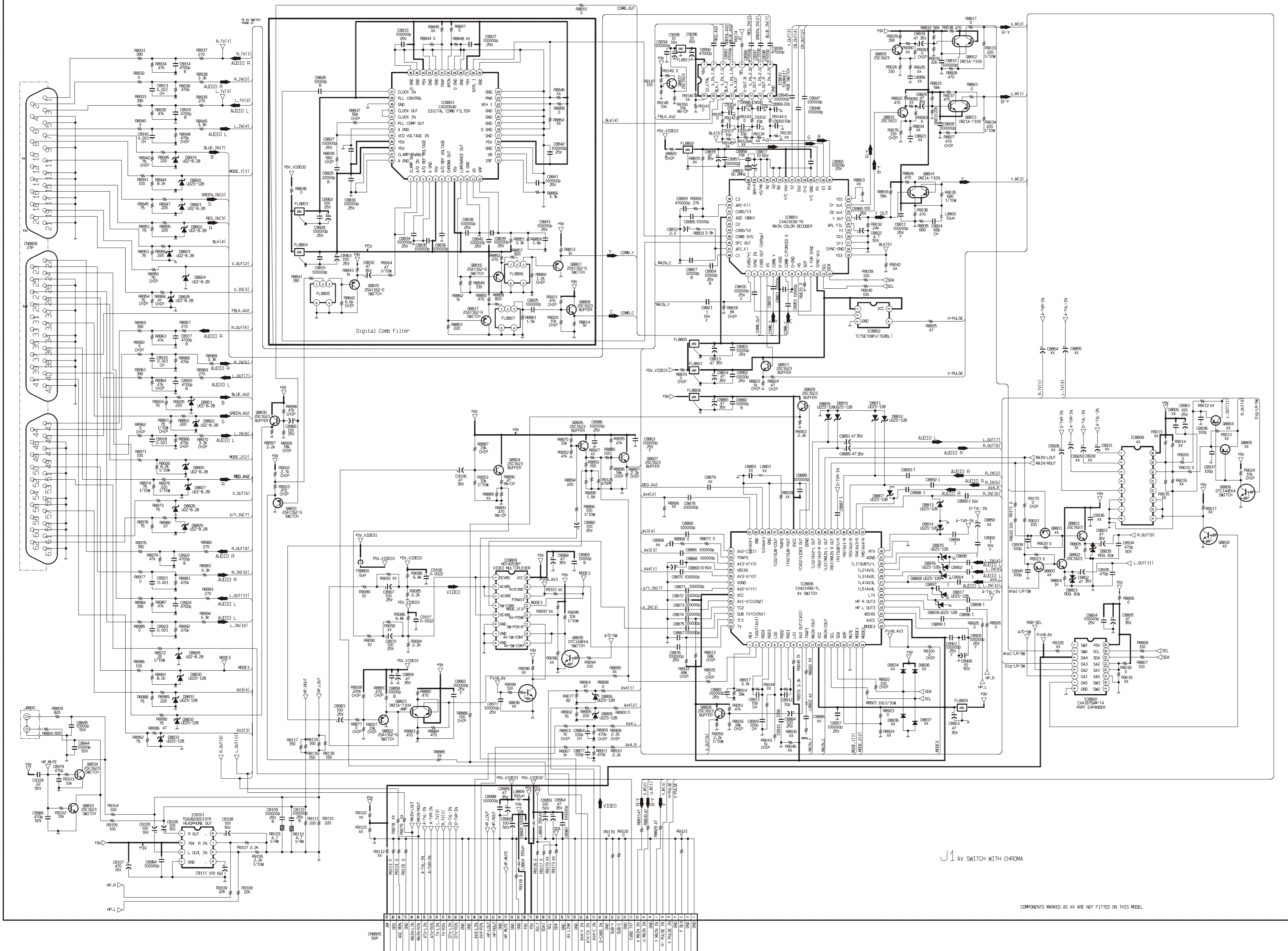
~ C Board Schematic Diagram [CRT Drive] ~



~ N1 Board Schematic Diagram [Digital Interface] ~



COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



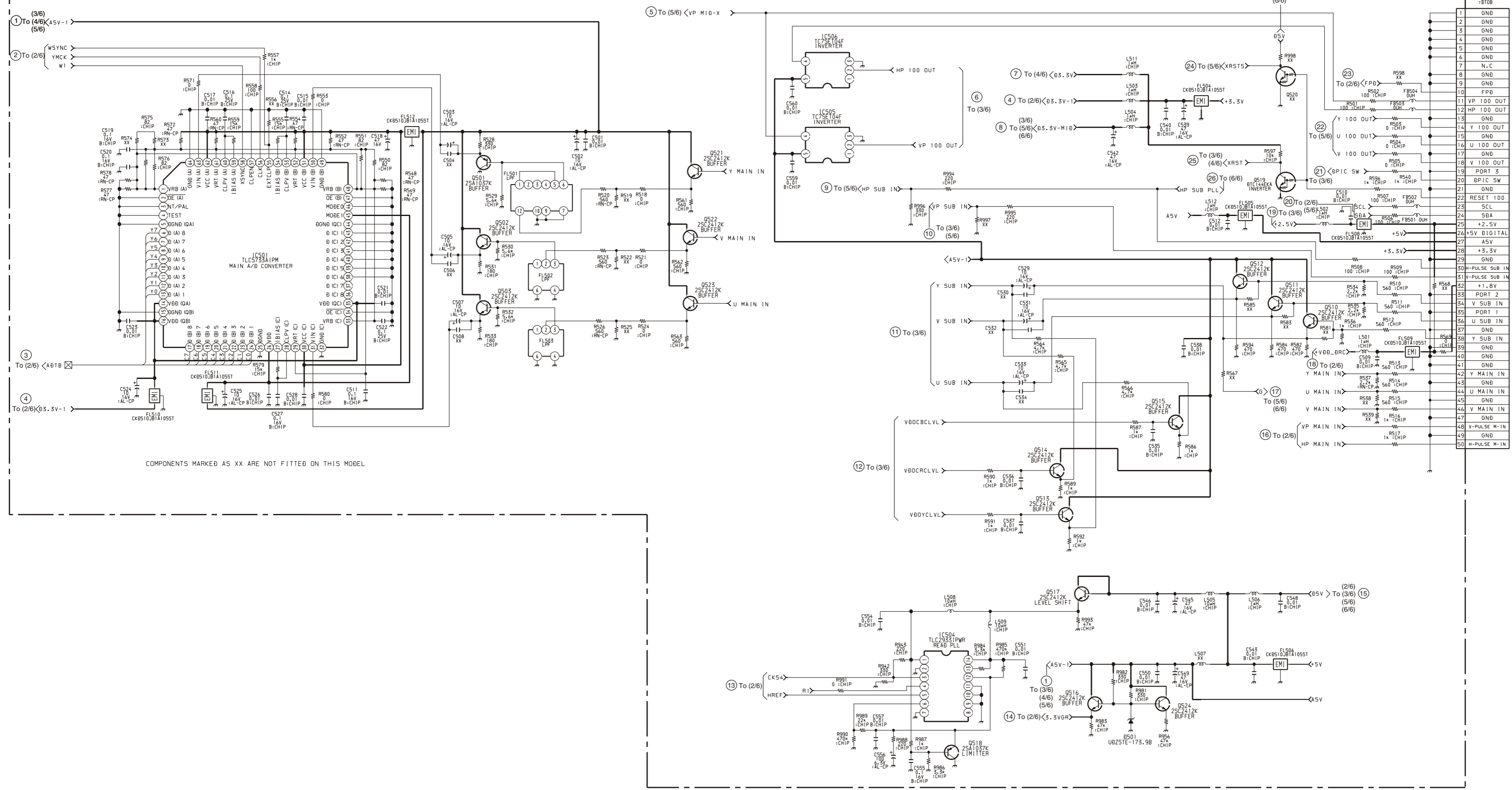
TO A14/31 BOARD CN1001

J1 AV SWITCH WITH CHROMA

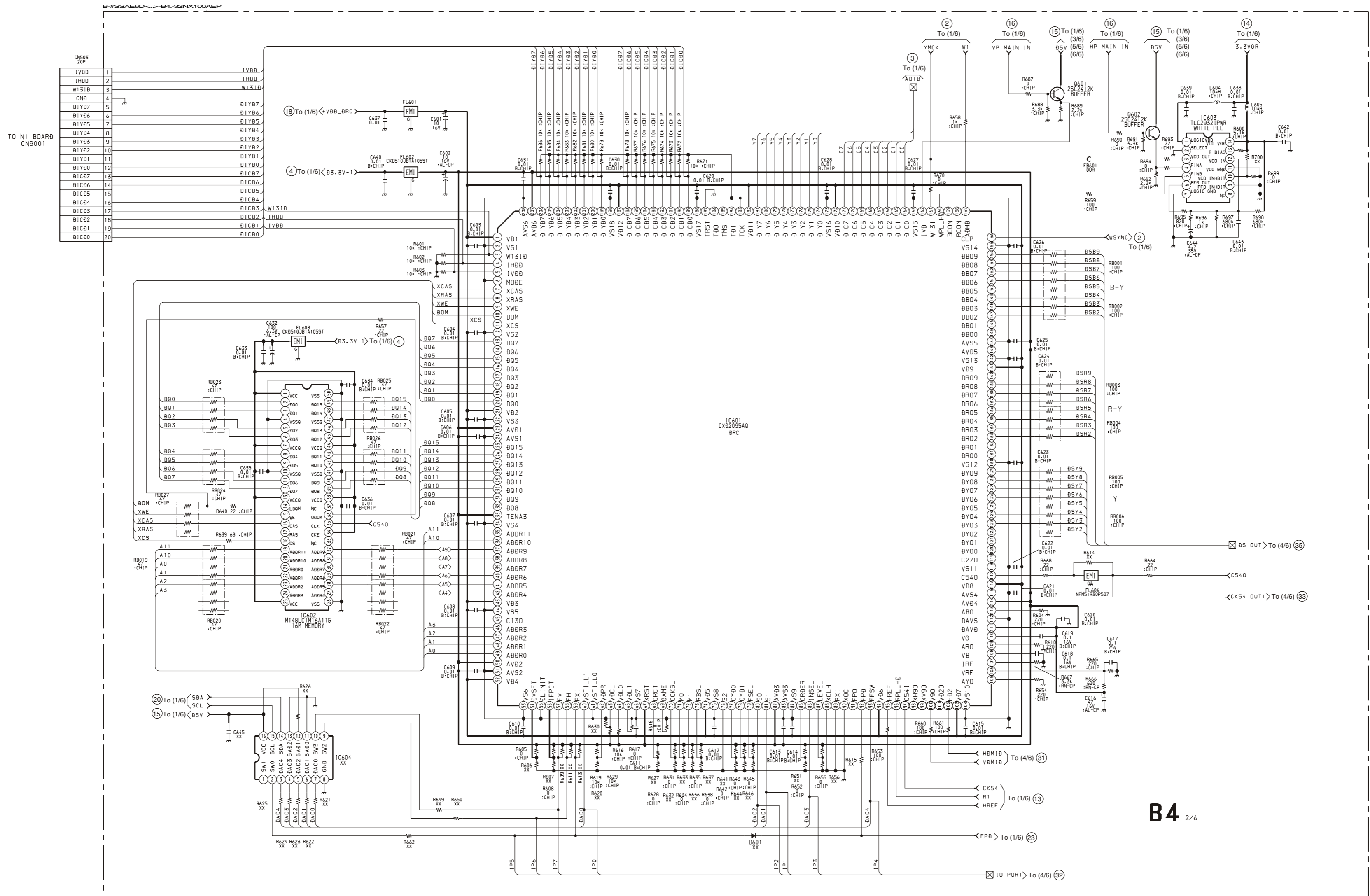
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

B4

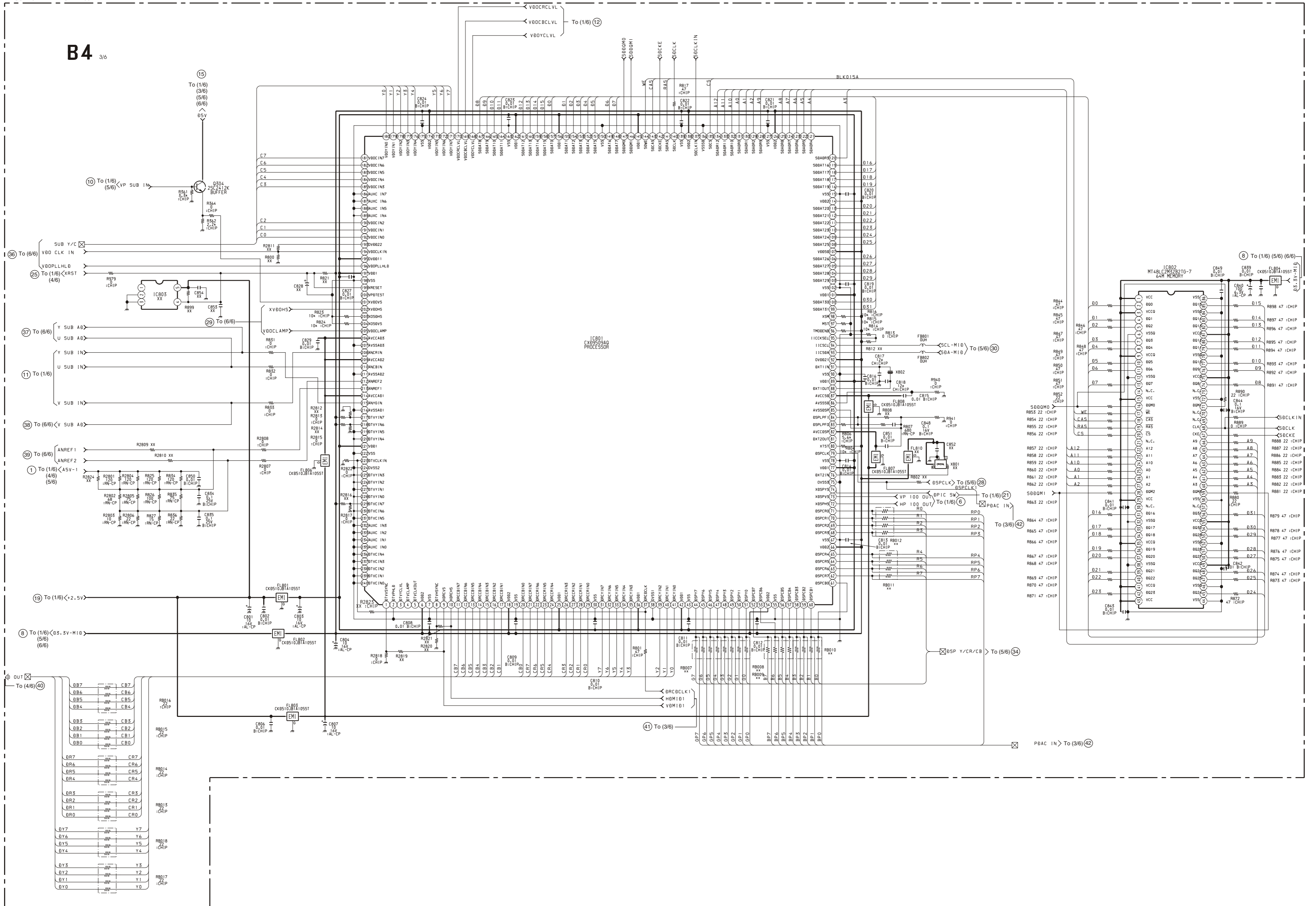
1/6 100HZ BOARD



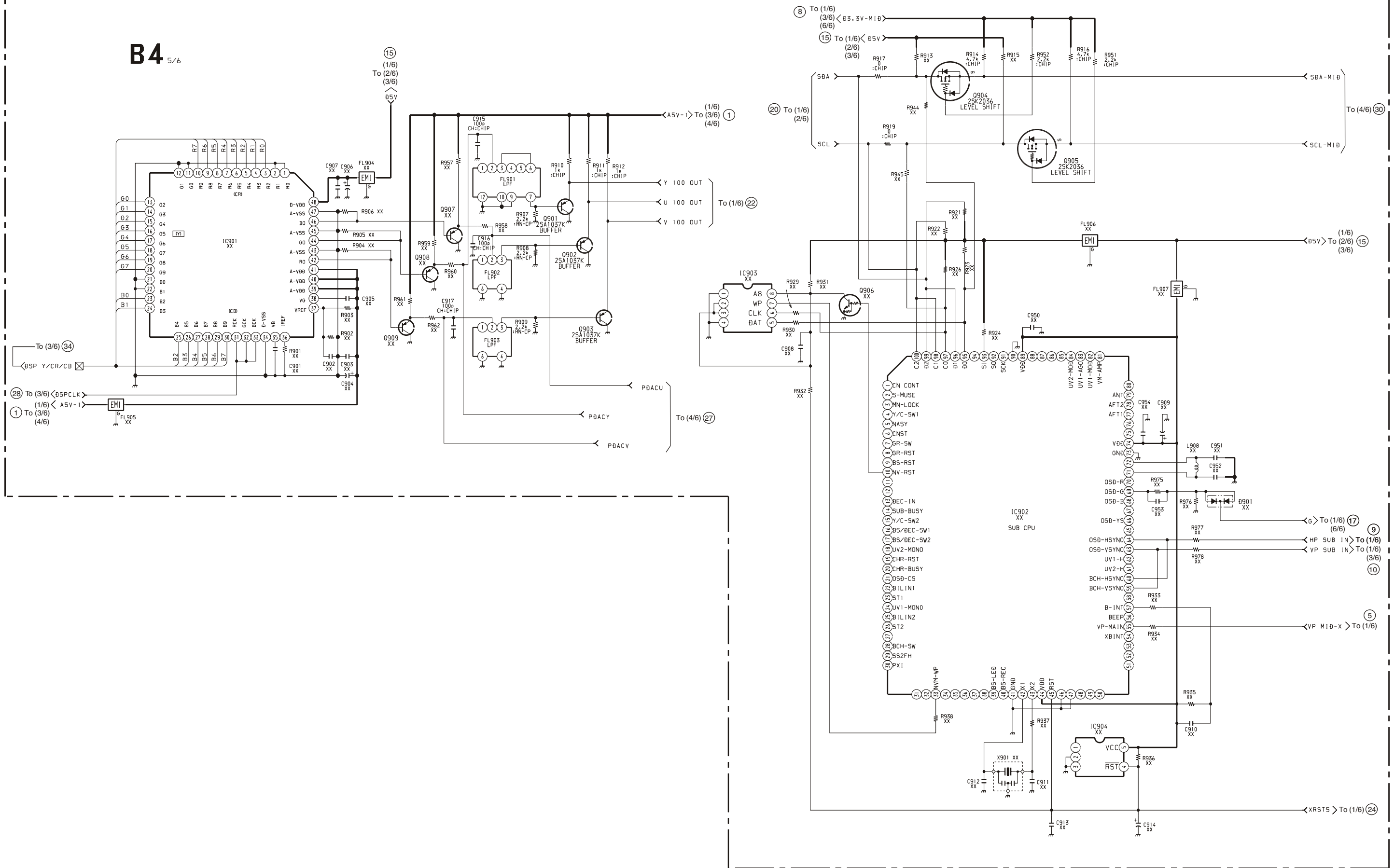
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL



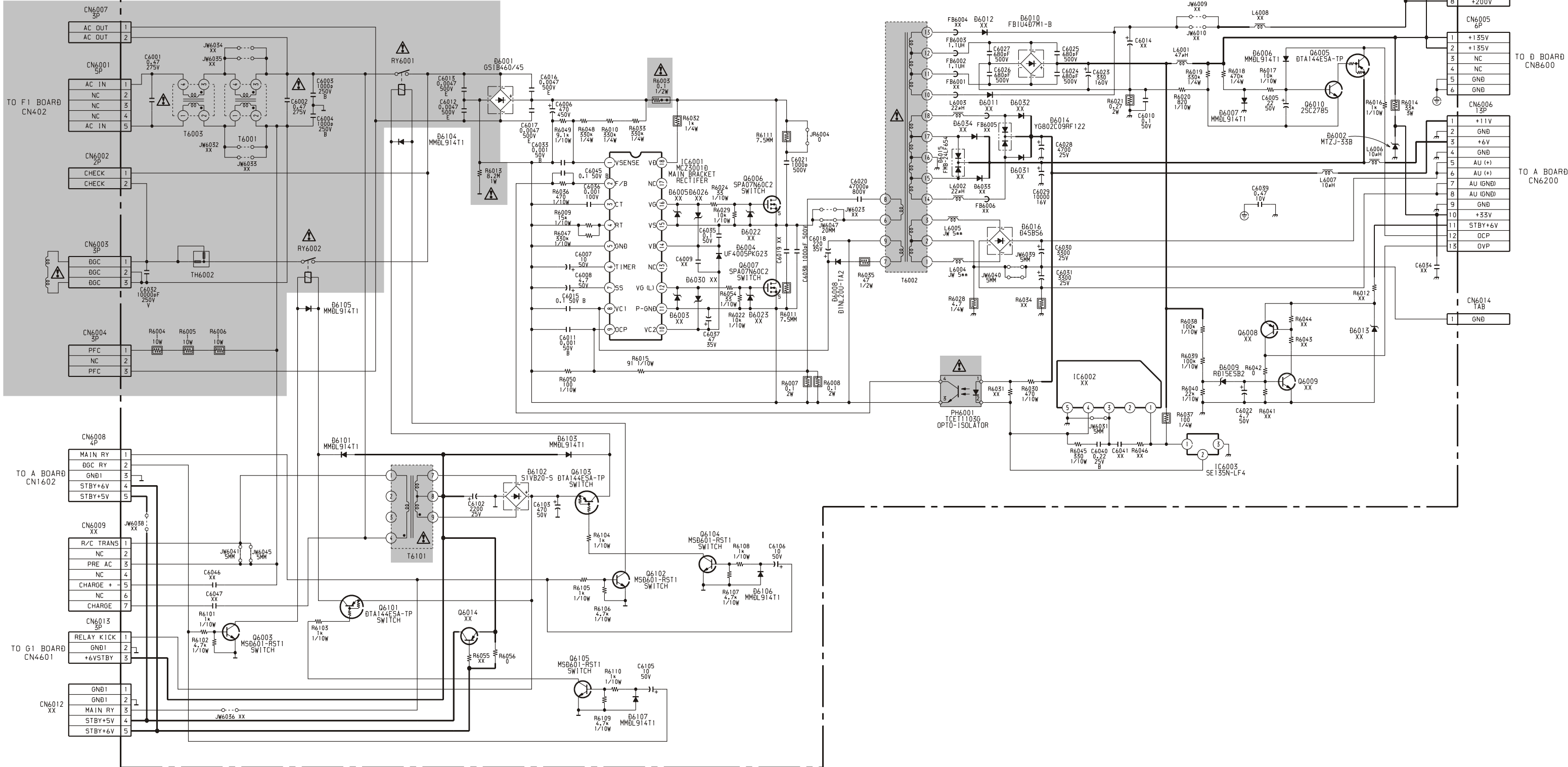
B4 3/6



B4 _{5/6}

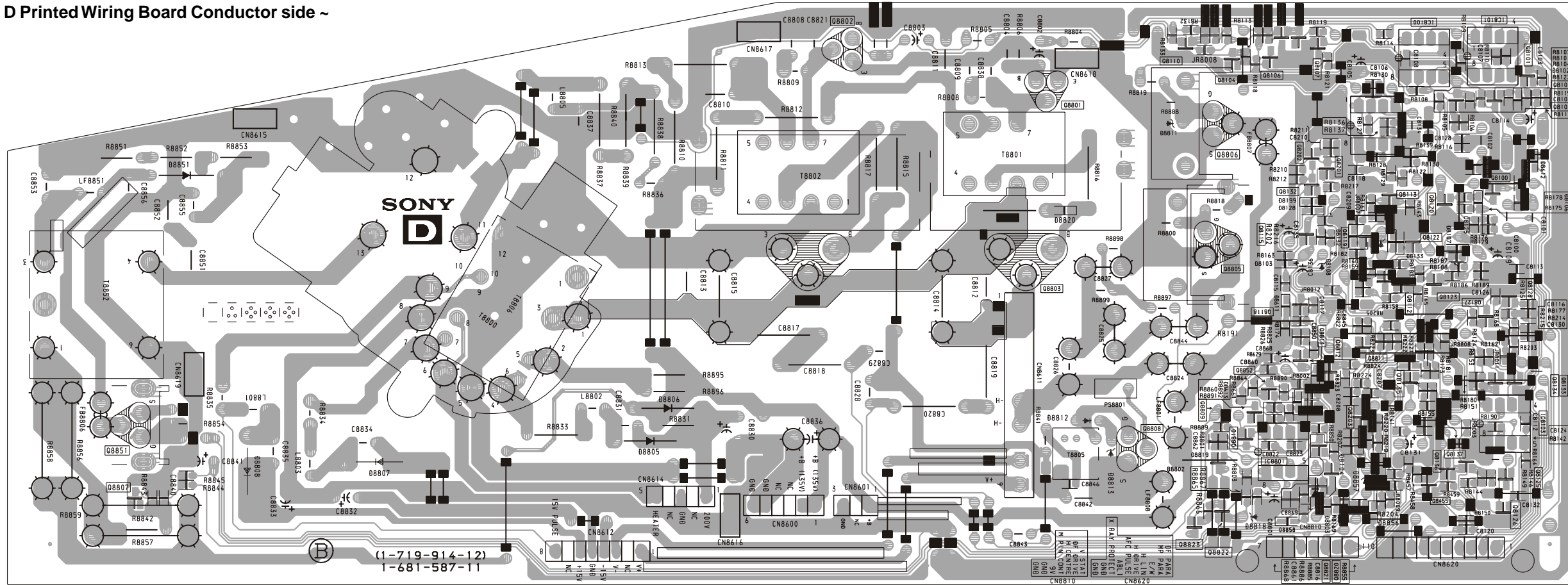


G POWER SUPPLY

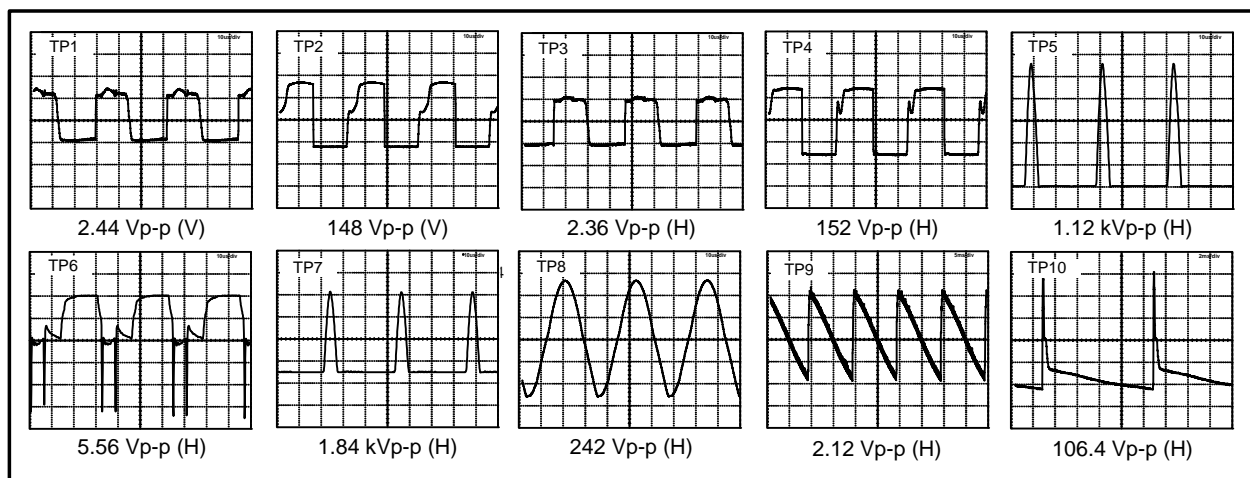


~ G Board Schematic Diagram [Power Supply] ~

1 ~ D Printed Wiring Board Conductor side ~



8 ~ D Board Waveforms ~



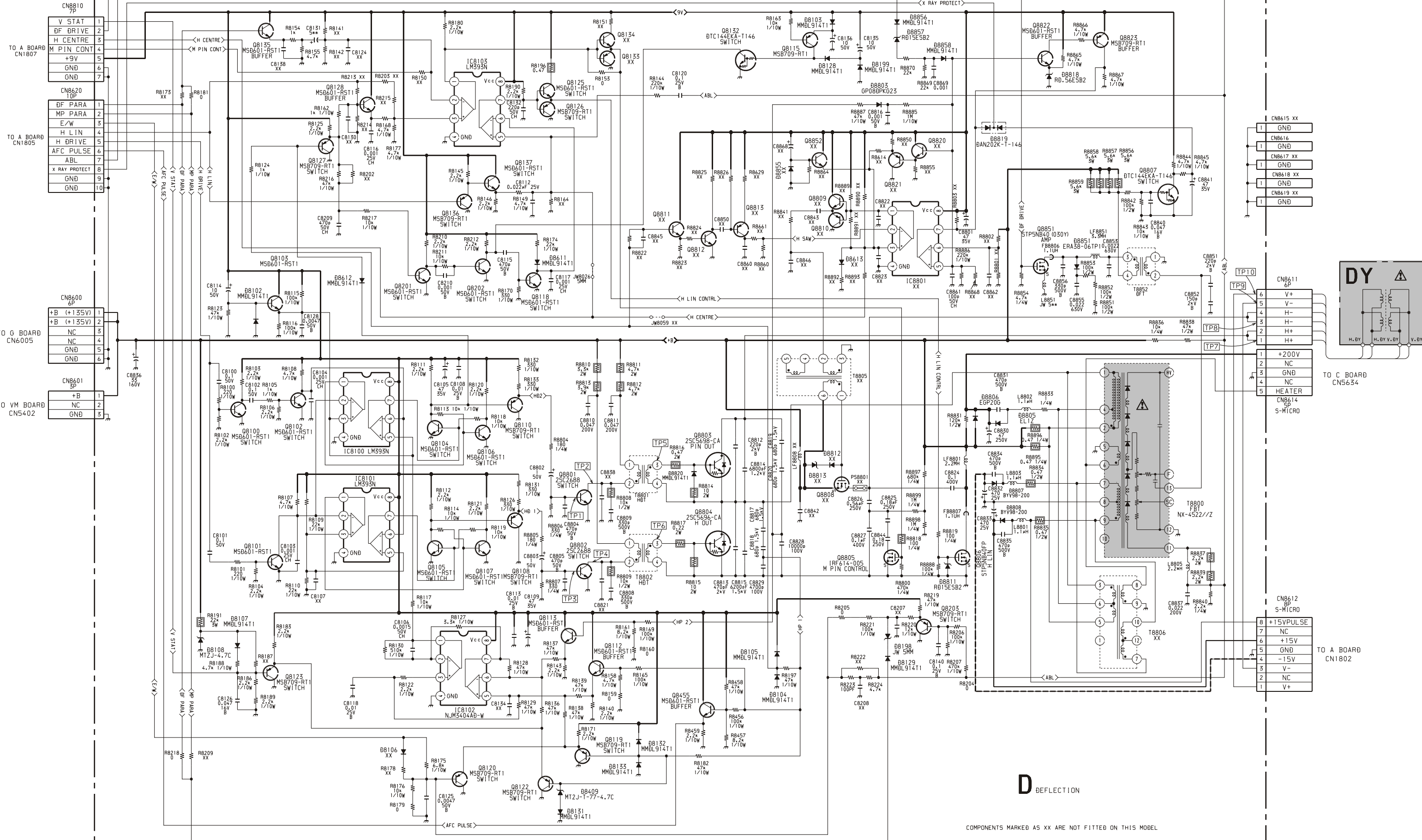
8 ~ D Board IC Voltage Table ~

IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC8100	1	0.3
	2	4.3
	3	4.1
	5	4.1
	6	3.0
	7	0.4
	IC8101	1
2		4.3
3		4.4
5		4.4
6		3.0
7		0.4
IC8102		1
	2	0.4
	3	0.4
	5	0.4
	6	0.4
	7	0.4
	IC8103	1
2		2.1
3		1.7
5		1.6
6		1.0
7		1.1

8 ~ D Board Semiconductor Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q8100	0	0.6	3.6	Q8110	2.4	3.1	0	Q8128	3.4	1.5	8.9	Q8801	0	0.4	64.7
Q8101	0	0.6	4.3	Q8113	0.3	0.2	8.9	Q8132	0	0	3.4	Q8802	0	0.4	73.2
Q8102	0	0.3	4.3	Q8115	8.6	8.9	0	Q8135	2.6	3.2	8.9	Q8807	0	6.3	0
Q8103	4.0	0	8.9	Q8118	0	0	5.0	Q8136	2.5	1.8	0	Q8818	0	0	5.0
Q8104	0	0.4	3.1	Q8119	0.7	1.4	0	Q8137	1.8	2.5	8.9	Q8822	5.5	4.9	0
Q8105	0	0.4	3.2	Q8120	0.7	2.3	0	Q8201	0	0.6	3.9	Q8823	8.9	8.5	0
Q8106	0	0.3	4.3	Q8122	0.5	1.4	0	Q8202	0	0.8	3.4	Q8805	0	2.5	33
Q8107	0	0.3	4.2	Q8123	0.5	1.4	0	Q8203	1.4	0.9	0	Q8806	0	1.2	135
Q8108	2.4	3.2	0	Q8127	1.4	1.5	0	Q8455	1.1	1.7	8.9	Q8851	0	5.4	81.5

B-#55AE6D<...>-D...-32NX100AEP



TO A BOARD CN1807

CN8810	7P
V STAT	1
DF DRIVE	2
H CENTRE	3
M PIN CONT	4
+9V	5
GND	6
GND	7

TO A BOARD CN1805

CN8620	10P
DF PARA	1
MP PARA	2
E/W	3
H LIN	4
H DRIVE	5
AFC PULSE	6
ABL	7
X RAY PROTECT	8
GND	9
GND	10

TO G BOARD CN6005

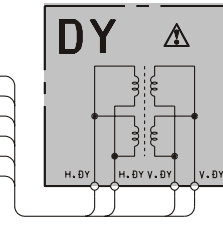
CN8600	6P
+B (+135V)	1
+B (+135V)	2
NC	3
NC	4
GND	5
GND	6

TO VM BOARD CN5402

CN8601	5P
+B	1
NC	2
GND	3

CN8615	XX
1	GND
2	CN8616
3	CN8617 XX
4	CN8618 XX
5	CN8619 XX
6	GND

CN8611	6P
TP10	6
TP9	5
TP8	4
TP7	3
TP6	2
TP5	1



TO C BOARD CN5634

CN8614	5P
S-MICRO	1
+200V	2
NC	3
NC	4
HEATER	5

CN8612	8P
S-MICRO	8
+15VPULSE	7
NC	6
+15V	5
GND	4
-15V	3
V-	2
V+	1

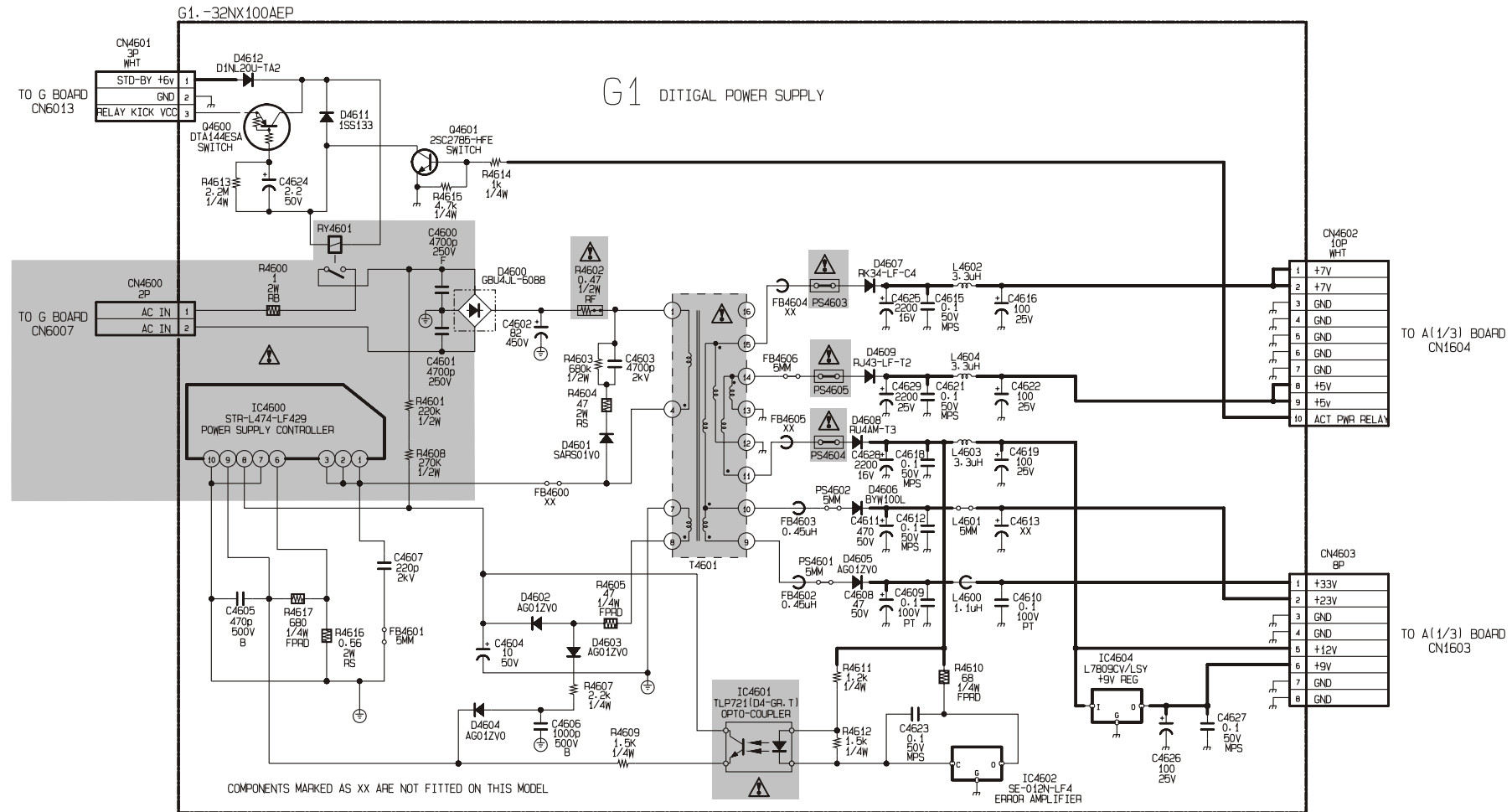
TO A BOARD CN1802

8	+15VPULSE
7	NC
6	+15V
5	GND
4	-15V
3	V-
2	NC
1	V+

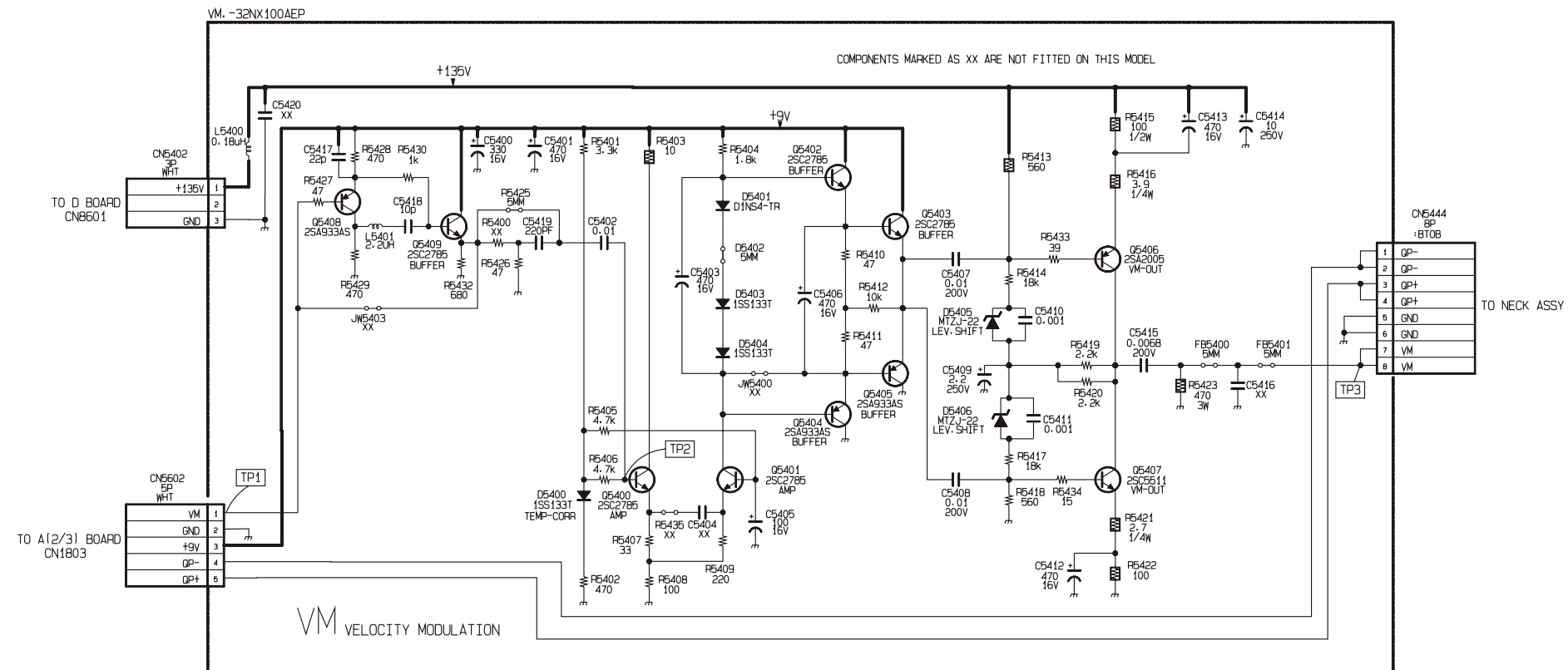
D DEFLECTION

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ G1 Board Schematic Diagram [Digital Power Supply] ~

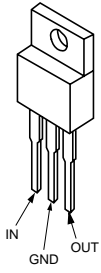


~ VM Board Schematic Diagram [Velocity Modulation] ~

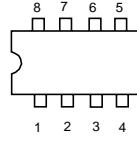


5-4. SEMICONDUCTORS

BA09T
SE-012N-LF4

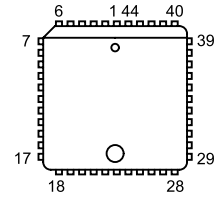


LM318P
LM358DR
LM393DT
LM393N

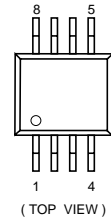


LM393PS-E20
M24C32-MN6T
TDA2822D013TR

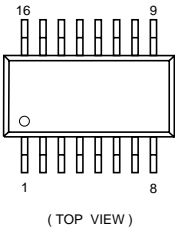
M27C800-100K1



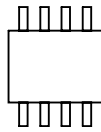
NJM3403AM
NJM3404AD-W
NJM3404AM-T1



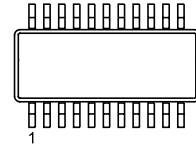
CXA1875AM-T4
HE4094BT



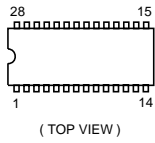
MB3793-42PNF-ER



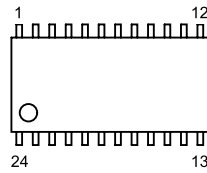
PCF8591T
PCF8593/T118



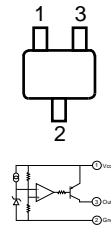
CXD2064Q
CXD2095AQ



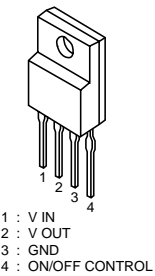
MB88141APF-ER



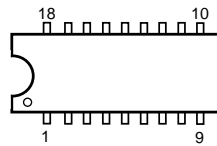
PST573IMT-T1



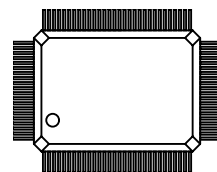
KA278R05-YDTU



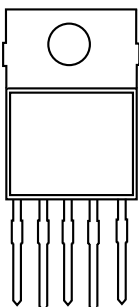
MCZ3001D



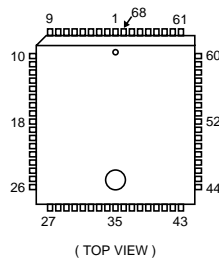
SAB-C161R1-LM



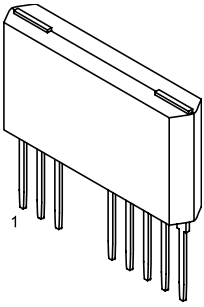
LA6500-FA



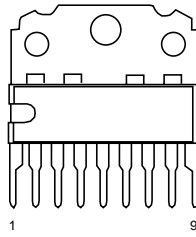
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STR-L474-LF428

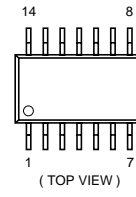


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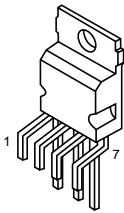


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74LVC08APW
74LVC163-PW
74LVC273PW

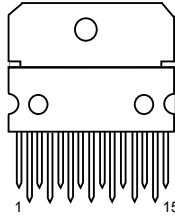
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74LVC374AD-T
74LVC377D-T
74LVC541APW



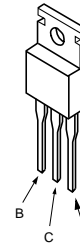
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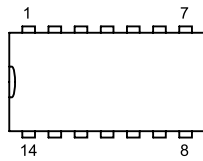
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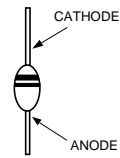
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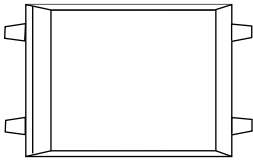
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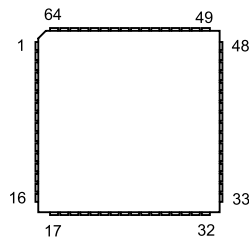
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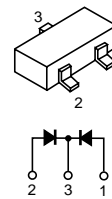
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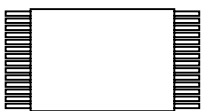
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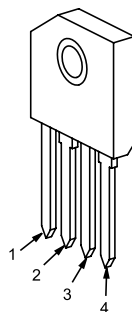
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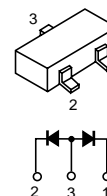
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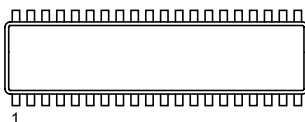
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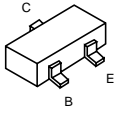
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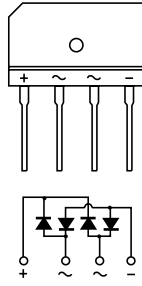


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 DTC114EK
 DTC114YKA-T146
 DTC144EKA
 DTC144EKA-T146

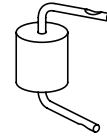


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 2SC1623-L5L6
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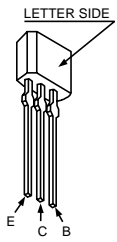
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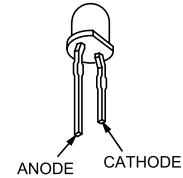
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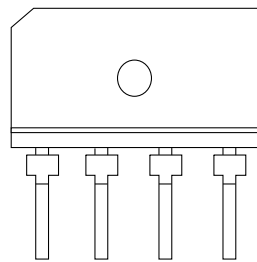
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 2SC2785-HFE



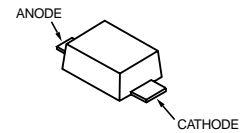
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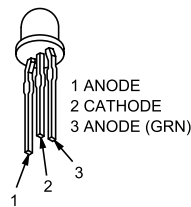
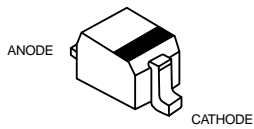
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 DTZ4.7C
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 SARS01V1
 UDZSTE-173.9B
 UDZSTE-175.1B
 UDZSTE-175.6B

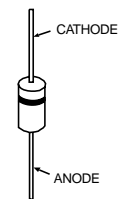
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 UDZSTE-179.1B
 UDZS-4.7B
 UDZS-12B
 UDZ-TE-17-12B
 UDZ-TE-17-33B
 UDZ-TE-17-8.2B

L-59SRSGC-CC

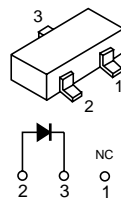


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 D1NL20U-TR
 D1NSA
 EGP20G

EL1Z
 GP08D
 1SS133T-77
 1SS83



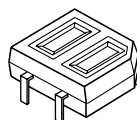
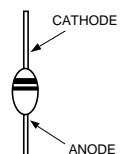
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 MTZJ-T-77-2.2A
 MTZJ-13B
 MTZJ-15B
 MTZJ-8.2C

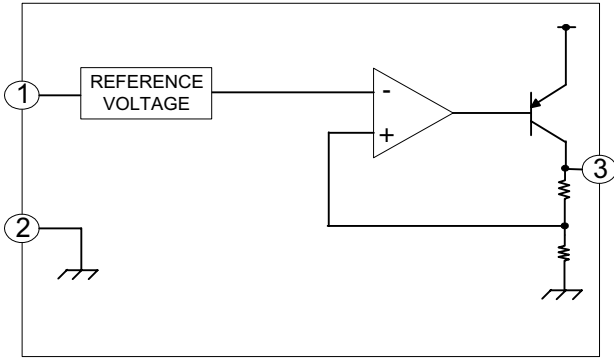
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 MTZJ-4.7C
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 RD18ES-B2
 RD5.6ESB2
 1SS119-25

MA73-TX

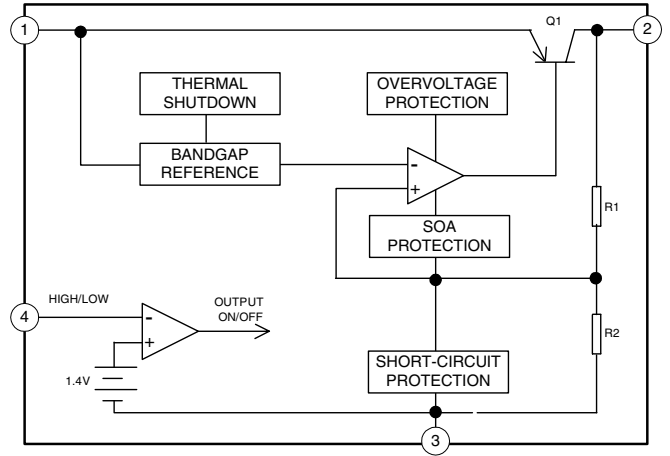


5-5 IC BLOCK DIAGRAMS

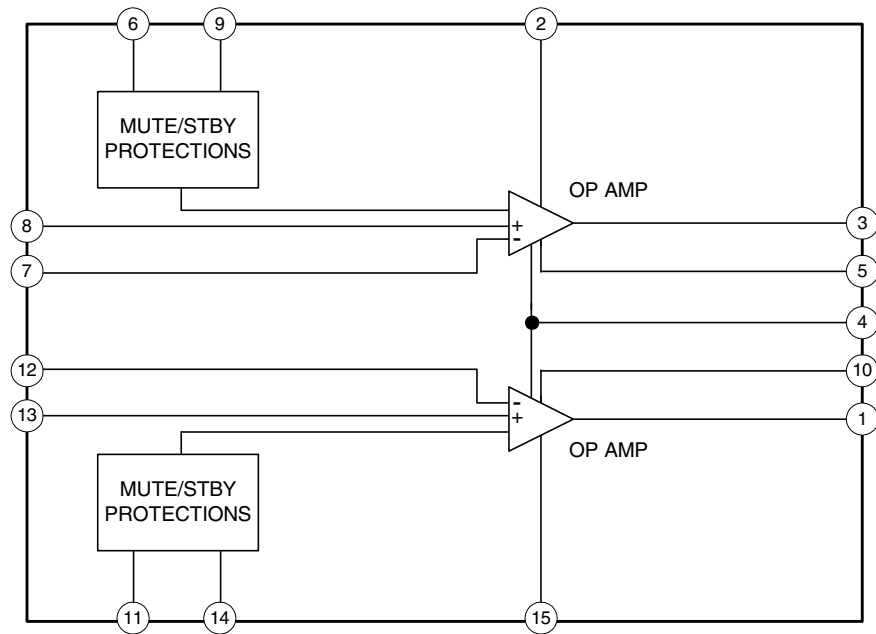
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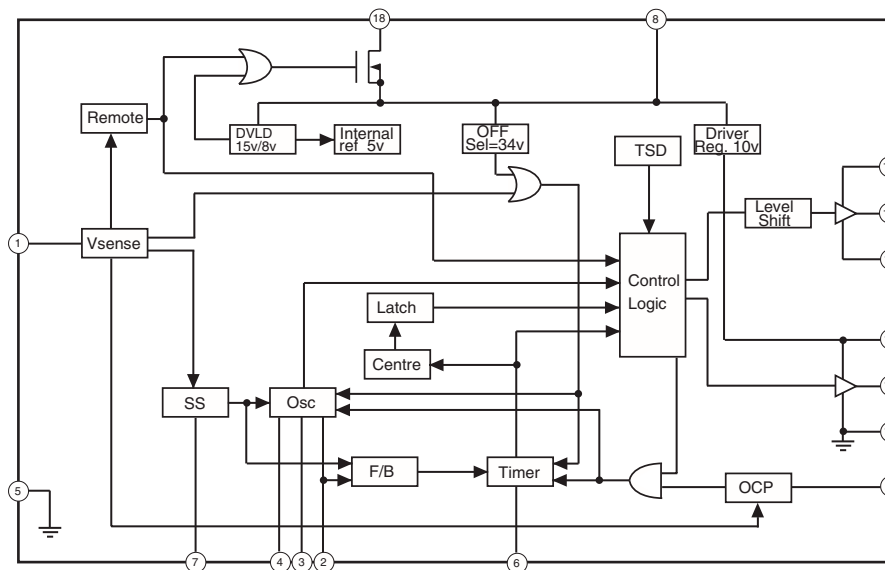
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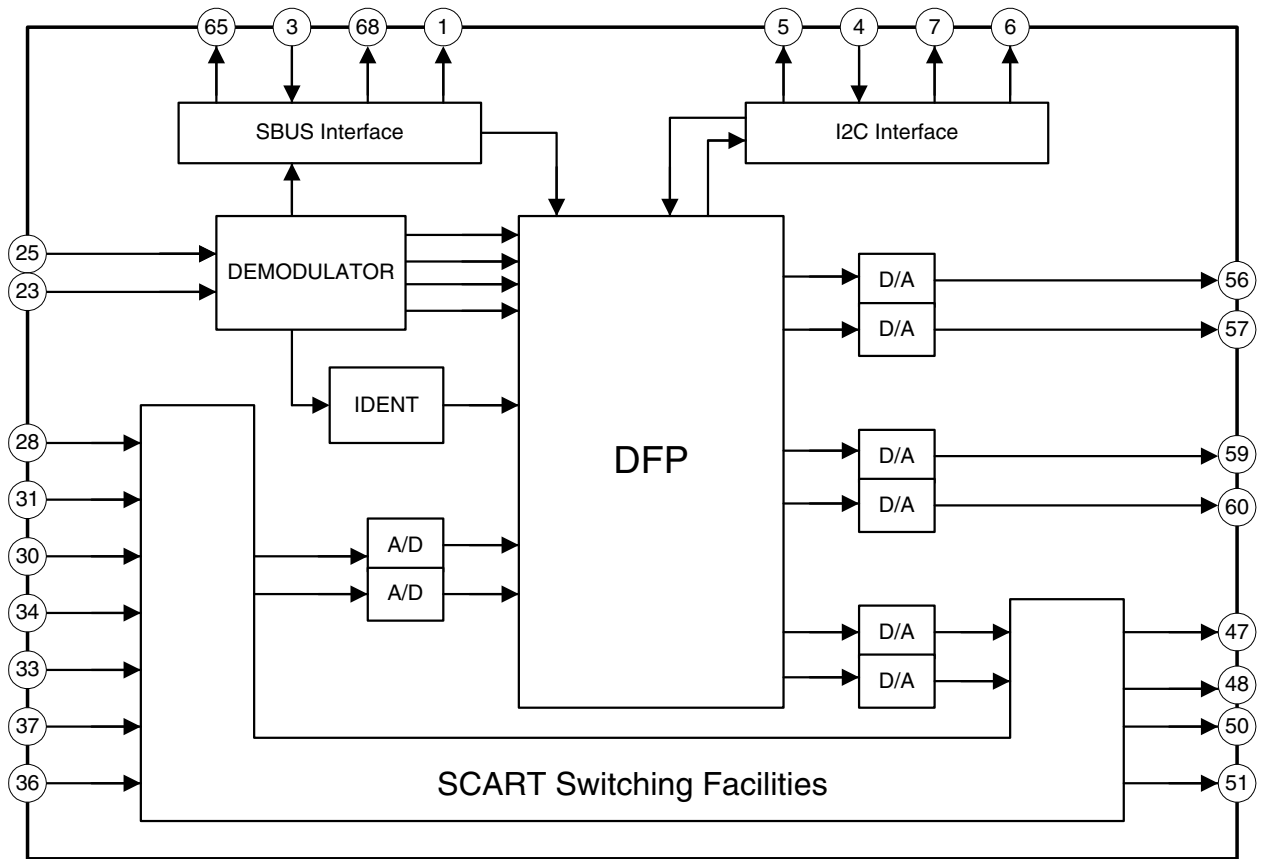
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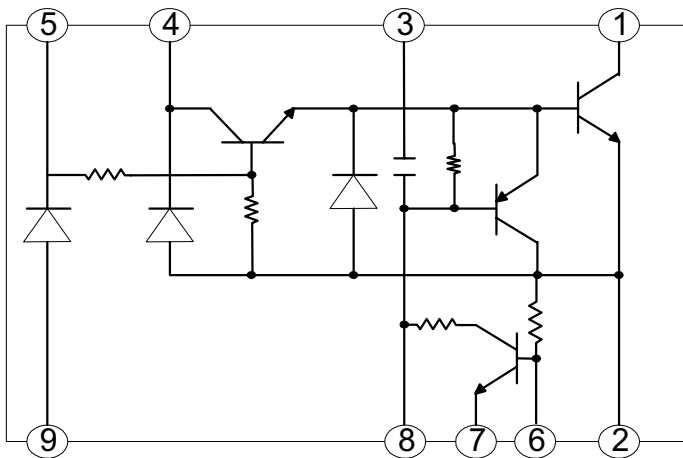
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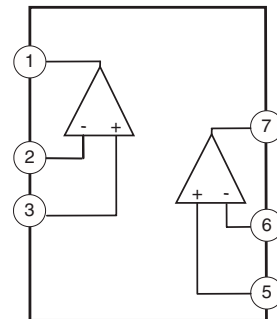
A BOARD IC1231 MSP3411G



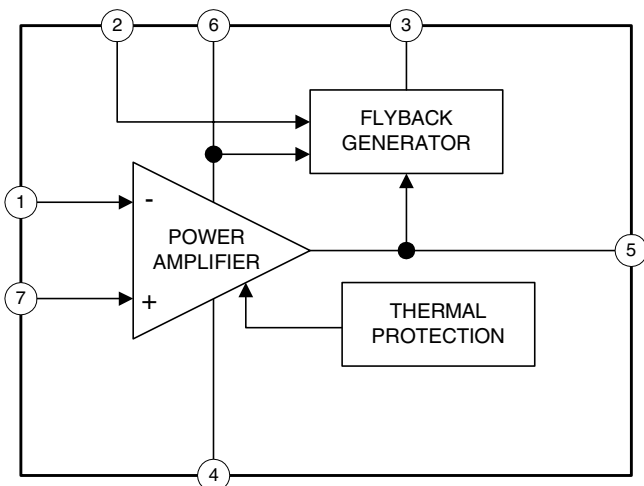
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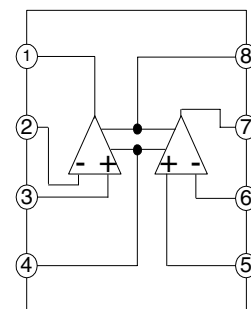
**A BOARD IC1801/IC1804/IC1808 LM393DT
D BOARD IC8100/IC8101/IC8102/IC8103
LM393N NJM3404AD-W**



A BOARD IC1701 STV9379



A BOARD IC1802 LM358D



SECTION 6 EXPLODED VIEWS

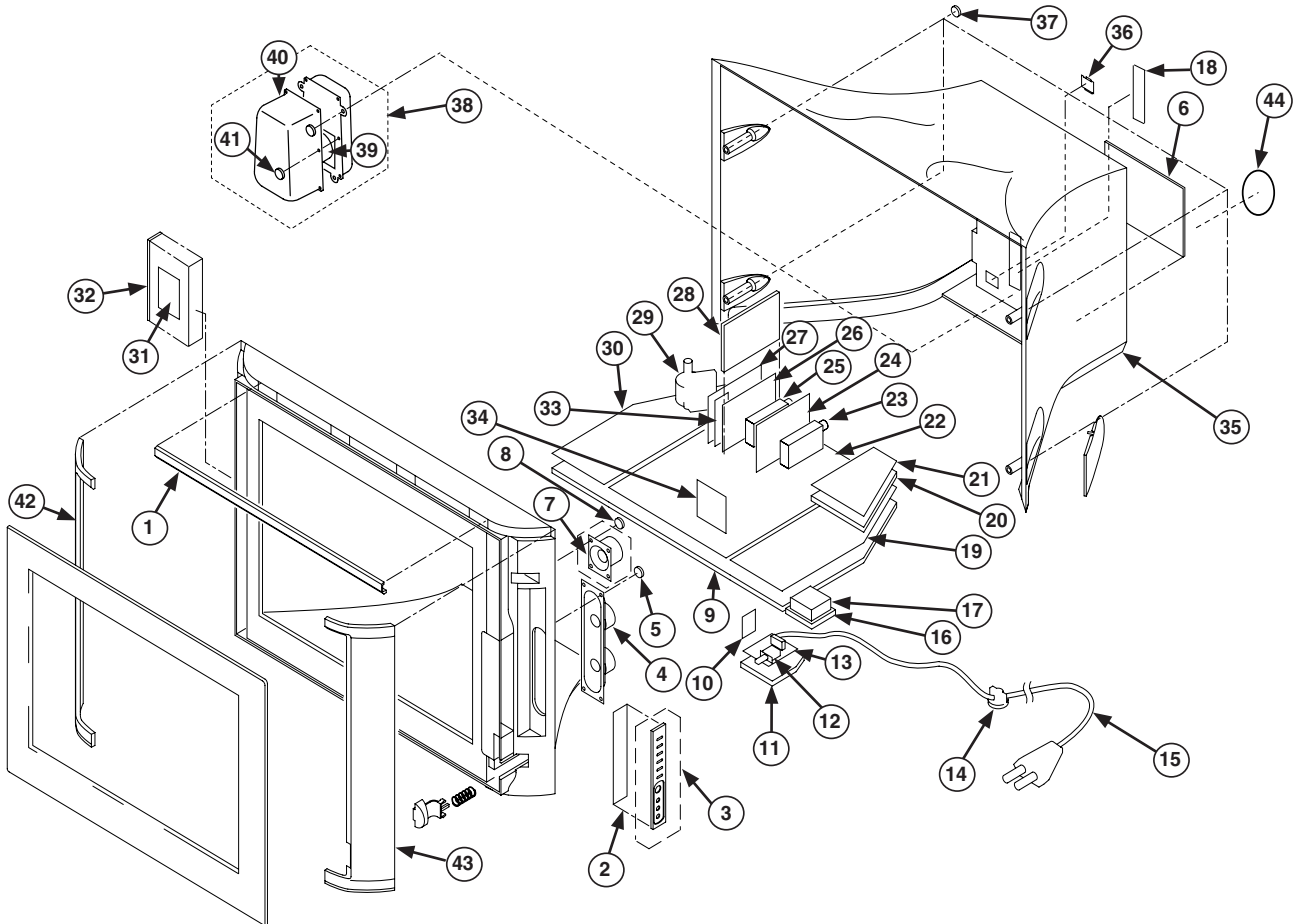
NOTE :

- 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.

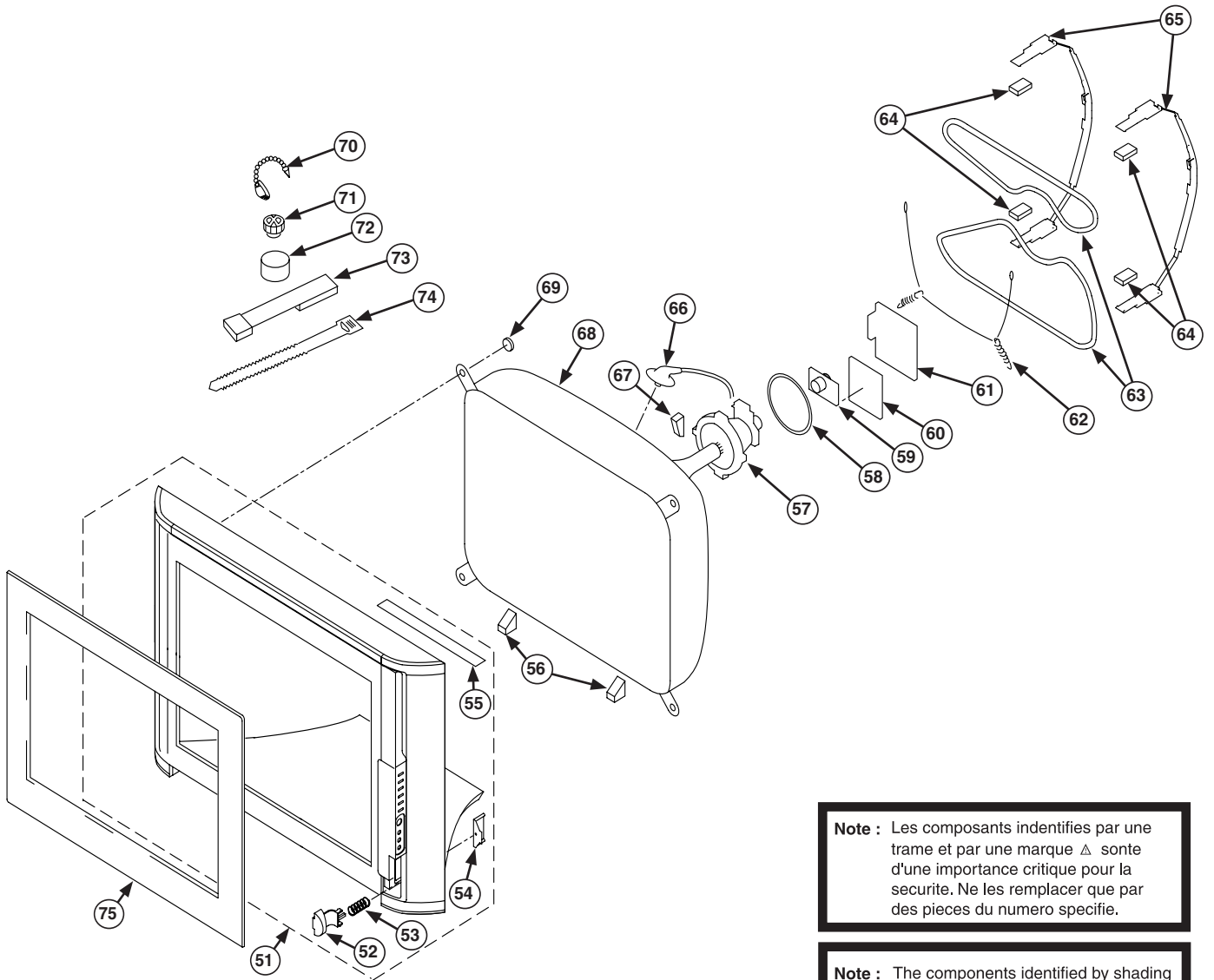
Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

6-1. CHASSIS



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	4-206-356-02	PLATE, ORNAMENTAL		23	8-598-535-12	FRONT END BTF-EF411	
2	*A-1646-247-A	H1 BOARD, COMPLETE		24	*A-1651-144-A	J1 BOARD, COMPLETE	
3	X-4200-754-1	CONTROL ASSY		25	8-598-586-00	FRONT END BTD-DC402	
4	1-529-408-11	SPEAKER (4.2X24CM)		26	*A-1300-270-A	N BOARD, COMPLETE	
5	4-384-096-01	SCREW (4X16), TAPPING, +P		27	*A-1620-152-A	B4 BOARD, COMPLETE	
6	*4-206-372-01	DOOR, REAR		28	*X-4200-759-2	SHIELD N ASSY	
7	1-529-155-11	SPEAKER (4.2X2.7CM)		29	Δ 1-453-383-11	TRANSFORMER ASSY, FLYBACK (NX-4522//Z214)	
8	4-039-358-01	SCREW (4X16), (+) BV TAPPING		30	*A-1640-444-A	D BOARD, COMPLETE	
9	*4-206-106-11	BRACKET, MAIN		31	*A-1646-249-A	H3 BOARD, COMPLETE	
10	*A-1646-248-A	H2 BOARD, COMPLETE		32	*4-206-360-01	BRACKET, H3	
11	*4-206-382-02	BRACKET, F1		33	*A-1652-081-A	N1 BOARD, COMPLETE	
12	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)		34	*A-1634-066-A	M3 BOARD, COMPLETE	
13	*A-1624-108-A	F1 BOARD, COMPLETE		35	4-206-371-03	REAR COVER	
14	*4-202-531-02	AC CORD LOCK (SC)		36	4-206-388-01	SERVICE PLATE	
15	Δ 1-776-204-12	CORD, POWER (FILTER)		37	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
16	*4-206-384-02	BRACKET, PFC		38	A-1678-215-A	WOOFER ASSY	39,41
17	1-424-855-11	COIL, CHOKE 29MMH		39	1-544-968-11	SPEAKER (8CM)	
18	4-206-493-01	PCMCIA COVER		40	*4-204-775-21	BAFFLE WOOFER	
19	*A-1636-054-A	G BOARD, COMPLETE		41	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
20	*4-206-383-02	BRACKET, G1		42	X-4200-755-4	GRILLE CONSOLE ASSY L	
21	*A-1636-052-A	G1 BOARD, COMPLETE		43	X-4200-756-4	GRILLE CONSOLE ASSY R	
22	*A-1400-531-A	A BOARD, COMPLETE		44	X-4200-817-2	WOOFER COVER ASSY	

6-2. PICTURE TUBE



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.

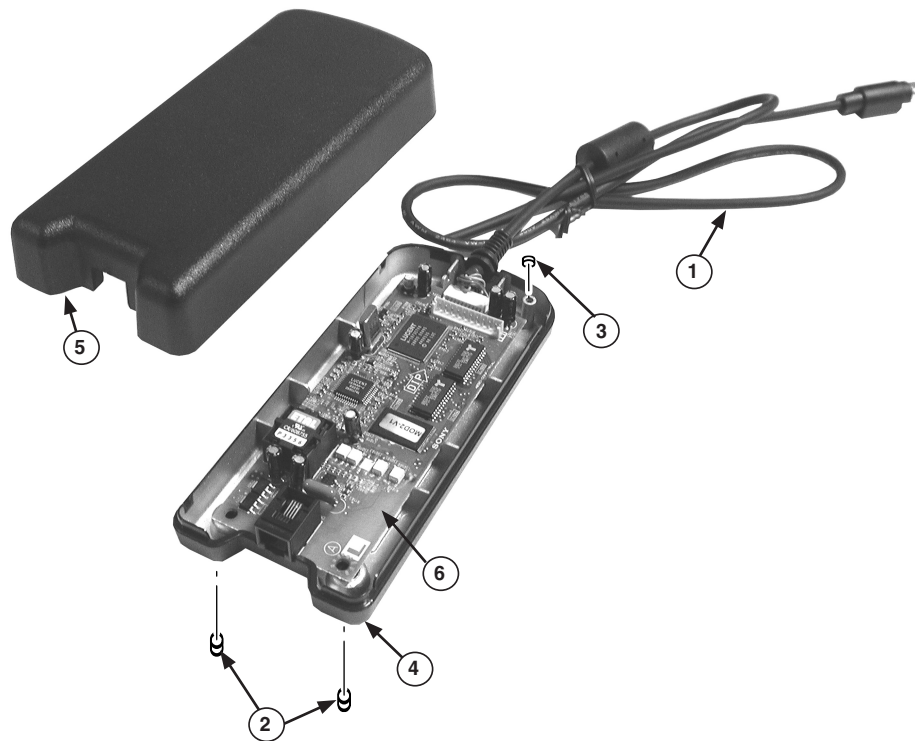
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	*A-1601-792-A	BEZNET ASSY	52-55	64	*4-203-390-41	CUSHION, DGC	
52	4-206-354-02	BUTTON, POWER		65	*4-059-569-01	HOLDER, DGC	
53	4-202-964-11	SPRING		66	Δ 1-251-317-63	CAP ASSY, HIGH-VOLTAGE	
54	4-206-361-02	LIGHT, GUIDE		67	4-203-658-01	SPACER, DY	
55	4-203-128-31	SHEET, BLOTTING		68	Δ 8-735-079-05	PICTURE TUBE (W76LLZ060X)	
56	*4-203-098-01	SUPPORTER, CRT		69	4-204-225-01	PT-SCREW	
57	Δ 1-451-480-11	DEFLECTION YOKE (Y32RVC2)		70	4-308-870-00	CLIP, LEAD WIRE	
58	1-419-363-11	COIL, NA ROTATION		71	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM \varnothing	
59	8-453-011-11	NECK ASSY (NA299-M)		72	1-452-032-00	MAGNET, DISK; 10MM \varnothing	
60	*A-1644-126-A	VM BOARD, COMPLETE		73	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
61	*A-1638-162-A	C BOARD, COMPLETE		74	3-701-007-00	BAND, BINDING	
62	4-200-433-01	SPRING, EXTENSION		75	X-4200-757-3	GLASS PANEL ASSY	
63	Δ 1-424-888-11	COIL, DEGAUSSING					

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.

6-3. MODEM



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	1-823-154-11	CABLE		4	4-205-220-11	MODEM, BASE	
2	4-039-356-01	SCREW (3X12), (+) BV TAPPING		5	4-205-221-11	MODEM, COVER	
3	4-039-357-01	SCREW (3X8), (+) BV TAPPING		6	*A-1646-258-A	MOUNTED PC BOARD, L	

SECTION 7 ELECTRICAL PARTS LIST

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G1 BOARD COMPLETE Parts List :	90
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C BOARD COMPLETE Parts List :	93
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Note: The N Board Schematic Diagram, Printed Wiring Board and Parts Lists are not indicated in this manual as the PWB is regarded a a non service item for exchange only.

Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*) Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-1400-531-A A Board, Complete				C1056	1-164-156-11	CERAMIC CHIP 0.1UF	25V
	4-201-023-01	SPACER, INSULATING		C1057	1-126-933-11	ELECT 100UF	20.00% 16V
	4-202-373-01	SPRING, IC		C1059	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
	*4-206-352-01	SHEET, INSULATING		C1060	1-104-665-11	ELECT 100UF	20.00% 25V
	*4-206-387-01	SHIELD BASE, N		C1061	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
	4-382-854-01	SCREW (M3X8), P, SW (+)		C1201	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C1202	1-126-947-11	ELECT 47UF	20.00% 35V
	< CAPACITOR >			C1203	1-136-175-00	FILM 0.68UF	5.00% 50V
C1001	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1204	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1002	1-126-935-11	ELECT 470UF	20.00% 16V	C1205	1-126-943-11	ELECT 2200UF	20.00% 25V
C1003	1-126-935-11	ELECT 470UF	20.00% 16V	C1206	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1006	1-136-495-11	FILM 0.068UF	5.00% 50V	C1207	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1007	1-136-495-11	FILM 0.068UF	5.00% 50V	C1208	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1008	1-104-665-11	ELECT 100UF	20.00% 25V	C1209	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C1009	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1210	1-126-965-91	ELECT 22UF	20.00% 50V
C1010	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C1211	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C1011	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C1212	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C1012	1-126-935-11	ELECT 470UF	20.00% 16V	C1213	1-126-965-91	ELECT 22UF	20.00% 50V
C1013	1-126-935-11	ELECT 470UF	20.00% 16V	C1214	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C1017	1-104-661-91	ELECT 330UF	20.00% 16V	C1215	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C1018	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1216	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1020	1-126-933-11	ELECT 100UF	20.00% 16V	C1217	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1022	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C1218	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C1023	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1219	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1024	1-126-935-11	ELECT 470UF	20.00% 16V	C1220	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1025	1-126-935-11	ELECT 470UF	20.00% 16V	C1222	1-130-777-00	MYLAR 0.1UF	5.00% 63V
C1028	1-104-665-11	ELECT 100UF	20.00% 25V	C1223	1-126-952-11	ELECT 1000UF	20.00% 35V
C1029	1-136-495-11	FILM 0.068UF	5.00% 50V	C1224	1-111-216-91	ELECT 150UF	20.00% 63V
C1030	1-136-495-11	FILM 0.068UF	5.00% 50V	C1225	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1031	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1226	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1032	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C1227	1-126-952-11	ELECT 1000UF	20.00% 35V
C1033	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C1228	1-126-961-11	ELECT 2.2UF	20.00% 50V
C1034	1-126-935-11	ELECT 470UF	20.00% 16V	C1229	1-126-944-11	ELECT 3300UF	20.00% 25V
C1035	1-126-935-11	ELECT 470UF	20.00% 16V	C1230	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1036	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1231	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C1037	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1232	1-126-947-11	ELECT 47UF	20.00% 35V
C1038	1-104-665-11	ELECT 100UF	20.00% 25V	C1233	1-164-346-11	CERAMIC CHIP 1UF	16V
C1039	1-104-665-11	ELECT 100UF	20.00% 25V	C1234	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1040	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1235	1-164-346-11	CERAMIC CHIP 1UF	16V
C1041	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1236	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C1043	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C1237	1-126-944-11	ELECT 3300UF	20.00% 25V
C1044	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C1238	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1045	1-104-665-11	ELECT 100UF	20.00% 25V	C1239	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C1046	1-104-665-11	ELECT 100UF	20.00% 25V	C1242	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
C1050	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1245	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C1051	1-104-665-11	ELECT 100UF	20.00% 25V	C1247	1-126-964-11	ELECT 10UF	20.00% 50V
C1054	1-126-964-11	ELECT 10UF	20.00% 50V	C1249	1-126-964-11	ELECT 10UF	20.00% 50V
C1055	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C1250	1-126-947-11	ELECT 47UF	20.00% 35V
				C1251	1-163-107-00	CERAMIC CHIP 39PF	5.00% 50V
				C1252	1-126-947-11	ELECT 47UF	20.00% 35V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C1254	1-165-319-11	CERAMIC CHIP 0.1UF	50V	C1438	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1255	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1439	1-137-581-11	FILM 0.1UF	5.00% 100V
C1256	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1440	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1257	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1441	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1258	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1443	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1264	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C1444	1-126-947-11	ELECT 47UF	20.00% 35V
C1265	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C1445	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C1270	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C1446	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C1271	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C1447	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1273	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C1449	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C1274	1-163-241-11	CERAMIC CHIP 39PF	5.00% 50V	C1450	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1275	1-104-665-11	ELECT 100UF	20.00% 25V	C1451	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1276	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C1452	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1277	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1454	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
C1278	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1455	1-126-947-11	ELECT 47UF	20.00% 35V
C1281	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1457	1-104-665-11	ELECT 100UF	20.00% 25V
C1282	1-126-964-11	ELECT 10UF	20.00% 50V	C1458	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C1283	1-126-947-11	ELECT 47UF	20.00% 35V	C1461	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C1284	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C1462	1-126-947-11	ELECT 47UF	20.00% 35V
C1285	1-164-506-11	CERAMIC CHIP 4.7UF	16V	C1464	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1286	1-126-947-11	ELECT 47UF	20.00% 35V	C1472	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1287	1-126-947-11	ELECT 47UF	20.00% 35V	C1473	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1288	1-126-947-11	ELECT 47UF	20.00% 35V	C1475	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1289	1-126-947-11	ELECT 47UF	20.00% 35V	C1476	1-126-933-11	ELECT 100UF	20.00% 16V
C1290	1-164-506-11	CERAMIC CHIP 4.7UF	16V	C1703	1-128-527-11	ELECT 330UF	20.00% 25V
C1402	1-104-665-11	ELECT 100UF	20.00% 25V	C1704	1-126-968-11	ELECT 100UF	20.00% 50V
C1403	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C1705	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1404	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C1706	1-137-401-11	MYLAR 0.22UF	5.00% 100V
C1405	1-104-665-11	ELECT 100UF	20.00% 25V	C1707	1-102-228-00	CERAMIC 470PF	10.00% 500V
C1406	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C1708	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C1407	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C1709	1-129-702-00	MYLAR 0.001UF	10.00% 400V
C1408	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1710	1-130-785-11	MYLAR 0.47UF	5.00% 100V
C1409	1-165-112-11	CERAMIC CHIP 0.33UF	16V	C1711	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1410	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C1712	1-126-968-11	ELECT 100UF	20.00% 50V
C1412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1715	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1413	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1716	1-104-665-11	ELECT 100UF	20.00% 25V
C1414	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1717	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1416	1-104-665-11	ELECT 100UF	20.00% 25V	C1719	1-104-665-11	ELECT 100UF	20.00% 25V
C1418	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C1720	1-126-964-11	ELECT 10UF	20.00% 50V
C1419	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C1721	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1420	1-165-112-11	CERAMIC CHIP 0.33UF	16V	C1800	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1424	1-126-963-11	ELECT 4.7UF	20.00% 50V	C1801	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1425	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C1802	1-126-947-11	ELECT 47UF	20.00% 35V
C1426	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1803	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C1430	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C1804	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
C1431	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1805	1-164-182-11	CERAMIC CHIP 0.0033UF	10.00% 50V
C1432	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1806	1-163-809-11	CERAMIC CHIP 0.047UF	10.00% 25V
C1434	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1807	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1436	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1808	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1437	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1814	1-126-947-11	ELECT 47UF	20.00% 35V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C1816	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C4038	1-126-964-11	ELECT 10UF	20.00% 50V
C1817	1-126-964-11	ELECT 10UF	20.00% 50V	C4046	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1821	1-126-965-91	ELECT 22UF	20.00% 50V	C4062	1-126-933-11	ELECT 100UF	20.00% 16V
C1822	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C4063	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1832	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C4067	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1833	1-136-347-11	FILM 0.0047UF	5.00% 630V	C4068	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1837	1-136-153-00	FILM 0.01UF	5.00% 50V	C4069	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1843	1-137-499-11	FILM 0.015UF	5.00% 630V	C4070	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1850	1-126-947-11	ELECT 47UF	20.00% 35V	C4071	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1852	1-137-194-81	FILM 0.47UF	5.00% 50V	C4072	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1853	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C4075	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1854	1-126-947-11	ELECT 47UF	20.00% 35V	C4076	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1855	1-126-947-11	ELECT 47UF	20.00% 35V	C4077	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1856	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C4078	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C1859	1-104-665-11	ELECT 100UF	20.00% 25V	C4080	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C1861	1-126-941-11	ELECT 470UF	20.00% 25V	C4081	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C1950	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C4083	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C1951	1-136-165-00	FILM 0.1UF	5.00% 50V			< FILTER >	
C1952	1-126-947-11	ELECT 47UF	20.00% 35V				
C1970	1-126-964-11	ELECT 10UF	20.00% 50V	CF1270	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
C1971	1-126-964-11	ELECT 10UF	20.00% 50V			< CONNECTOR >	
C1972	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V				
C1974	1-126-964-11	ELECT 10UF	20.00% 50V	CN1000	1-793-494-11	CONNECTOR, BOARD TO BOARD 40P	
C1975	1-126-964-11	ELECT 10UF	20.00% 50V	CN1001	1-793-495-11	CONNECTOR, BOARD TO BOARD 50P	
C1980	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN1005	1-695-915-11	TAB (CONTACT)	
C4000	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1006	1-695-915-11	TAB (CONTACT)	
C4001	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1008	1-695-915-11	TAB (CONTACT)	
C4002	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V				
C4003	1-162-974-11	CERAMIC CHIP 0.01UF	50V	CN1201	*1-564-507-11	PLUG, CONNECTOR 4P	
C4004	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1202	*1-564-507-11	PLUG, CONNECTOR 4P	
C4006	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1203	*1-564-506-11	PLUG, CONNECTOR 3P	
C4007	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1251	1-695-915-11	TAB (CONTACT)	
C4008	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1602	*1-564-507-11	PLUG, CONNECTOR 4P	
C4010	1-126-933-11	ELECT 100UF	20.00% 16V				
C4013	1-104-665-11	ELECT 100UF	20.00% 25V	CN1603	*1-564-511-11	PLUG, CONNECTOR 8P	
C4015	1-126-968-11	ELECT 100UF	20.00% 50V	CN1604	1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P	
C4016	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1701	1-764-334-11	PIN, CONNECTOR(PCB) (V TYPE)11P	
C4017	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	CN1702	*1-564-507-11	PLUG, CONNECTOR 4P	
C4018	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1703	*1-564-506-11	PLUG, CONNECTOR 3P	
C4019	1-164-160-11	CERAMIC CHIP 20PF	5.00% 50V				
C4020	1-110-489-11	CAPACITOR 1F	5.5V	CN1802	*1-564-511-11	PLUG, CONNECTOR 8P	
C4021	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	CN1803	*1-564-508-11	PLUG, CONNECTOR 5P	
C4022	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1804	*1-564-511-11	PLUG, CONNECTOR 8P	
C4024	1-162-974-11	CERAMIC CHIP 0.01UF	50V	CN1805	1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P	
C4025	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	CN1807	*1-564-510-11	PLUG, CONNECTOR 7P	
C4026	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V				
C4027	1-162-974-11	CERAMIC CHIP 0.01UF	50V	CN1901	*1-564-506-11	PLUG, CONNECTOR 3P	
C4028	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	CN1999	*1-564-520-11	PLUG, CONNECTOR 5P	
C4029	1-126-964-11	ELECT 10UF	20.00% 50V	CN2000	*1-564-516-11	PLUG, CONNECTOR 13P	
C4030	1-126-964-11	ELECT 10UF	20.00% 50V	CN4000	*1-794-730-11	SOCKET, PC CONNECTOR (PC BOARD	
				CN4001	1-793-493-11	CONNECTOR, BOARD TO BOARD 20P	
				CN4011	1-695-915-11	TAB (CONTACT)	
				CN7107	*1-564-506-11	PLUG, CONNECTOR 3P	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
CN7108	*1-564-510-11	PLUG, CONNECTOR 7P		D1811	8-719-914-43	DIODE DAN202K	
CN7109	1-793-495-11	CONNECTOR, BOARD TO BOARD 50P		D1813	8-719-063-73	DIODE DINL20U-TR	
	< DIODE >			D4000	8-719-982-24	DIODE MTZJ-33A	
D1001	8-719-500-70	DIODE D5S4M		D4001	8-719-812-43	DIODE TLG124A	
D1002	8-719-500-70	DIODE D5S4M		D4002	8-719-914-43	DIODE DAN202K	
D1003	8-719-914-43	DIODE DAN202K			< FERRITE BEAD >		
D1004	8-719-914-43	DIODE DAN202K		FB1001	1-410-396-41	FERRITE	0.45UH
D1005	8-719-500-70	DIODE D5S4M		FB1002	1-410-396-41	FERRITE	0.45UH
D1006	8-719-500-70	DIODE D5S4M		FB1003	1-410-396-41	FERRITE	0.45UH
D1007	8-719-914-44	DIODE DAP202K		FB1005	1-414-766-22	FERRITE	0UH
D1008	8-719-914-44	DIODE DAP202K		FB1006	1-414-766-22	FERRITE	0UH
D1009	8-719-069-55	DIODE UDZSTE-175.6B		FB1007	1-414-766-22	FERRITE	0UH
D1010	8-719-914-43	DIODE DAN202K		FB1009	1-414-766-22	FERRITE	0UH
D1011	8-719-069-55	DIODE UDZSTE-175.6B		FB1010	1-414-766-22	FERRITE	0UH
D1013	8-719-069-56	DIODE UDZSTE-176.2B		FB1011	1-216-295-91	SHORT	0
D1014	8-719-069-56	DIODE UDZSTE-176.2B		FB1012	1-216-295-91	SHORT	0
D1070	8-719-914-44	DIODE DAP202K		FB1201	1-410-397-21	FERRITE	1.1UH
D1201	8-719-914-43	DIODE DAN202K		FB1202	1-410-397-21	FERRITE	1.1UH
D1202	8-719-914-43	DIODE DAN202K		FB1801	1-414-234-22	FERRITE	0UH
D1203	8-719-914-44	DIODE DAP202K		FB1802	1-414-234-22	FERRITE	0UH
D1204	8-719-914-43	DIODE DAN202K		FB1803	1-414-234-22	FERRITE	0UH
D1205	8-719-914-43	DIODE DAN202K		FB4000	1-216-793-11	RES-CHIP	4.7 5% 1/10W
D1206	8-719-083-60	DIODE UDZSTE-174.7B		FB4008	1-216-797-11	RES-CHIP	10 5% 1/10W
D1207	8-719-421-57	DIODE MA73-TX		FB4011	1-469-869-21	FERRITE	0UH
D1209	8-719-069-54	DIODE UDZSTE-175.1B		FB4013	1-469-869-21	FERRITE	0UH
D1235	8-719-083-82	DIODE UDZS-TE17-12B		FB4014	1-469-869-21	FERRITE	0UH
D1236	8-719-083-82	DIODE UDZS-TE17-12B		FB4015	1-469-869-21	FERRITE	0UH
D1237	8-719-083-82	DIODE UDZS-TE17-12B		FB4018	1-469-869-21	FERRITE	0UH
D1238	8-719-083-82	DIODE UDZS-TE17-12B		FB4019	1-469-869-21	FERRITE	0UH
D1239	8-719-110-09	DIODE RD8.2ESB3		FB4020	1-469-869-21	FERRITE	0UH
D1403	8-719-914-43	DIODE DAN202K		FB4021	1-469-869-21	FERRITE	0UH
D1406	8-719-069-60	DIODE UDZSTE-179.1B			< FILTER >		
D1407	8-719-914-43	DIODE DAN202K		FL1231	1-236-071-11	ENCAPSULATED COMPONENT	
D1701	8-719-110-49	DIODE RD18ESB2		FL1232	1-236-071-11	ENCAPSULATED COMPONENT	
D1702	8-719-908-03	DIODE GP08D		FL1270	1-233-764-21	FILTER	
D1703	8-719-110-41	DIODE RD15ESB2		FL4000	1-239-899-21	FILTER, CHIP EMI	
D1704	8-719-081-97	DIODE MMDL914T1		FL4001	1-239-899-21	FILTER, CHIP EMI	
D1705	8-719-081-97	DIODE MMDL914T1		FL4002	1-239-899-21	FILTER, CHIP EMI	
D1801	8-719-914-43	DIODE DAN202K		FL4003	1-239-899-21	FILTER, CHIP EMI	
D1802	8-719-914-43	DIODE DAN202K		FL4004	1-239-899-21	FILTER, CHIP EMI	
D1803	8-719-914-43	DIODE DAN202K			< IC >		
D1804	8-719-914-43	DIODE DAN202K		IC1001	8-759-450-47	IC BA05T	
D1805	8-719-401-63	DIODE MA3062M-TX		IC1002	8-759-640-19	IC PQ1CG2032FZ	
D1806	8-719-914-43	DIODE DAN202K		IC1003	8-759-640-19	IC PQ1CG2032FZ	
D1807	8-719-914-43	DIODE DAN202K		IC1005	8-759-450-47	IC BA05T	
D1808	8-719-914-43	DIODE DAN202K		IC1006	8-759-640-19	IC PQ1CG2032FZ	
D1809	8-719-987-87	DIODE ERA85-009		IC1007	8-759-640-19	IC PQ1CG2032FZ	
D1810	8-719-991-33	DIODE 1SS133T-77					

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

A

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
IC1008	8-752-072-94	IC CXA1875AM-T4		L1405	1-414-934-21	INDUCTOR	10UH
IC1009	8-759-701-59	IC NJM78M09FA		L1406	1-414-934-21	INDUCTOR	10UH
IC1010	8-759-574-78	IC KA278R05-YDTU		L1701	1-412-524-11	INDUCTOR	8.2UH
IC1011	8-759-450-47	IC BA05T		L1801	1-416-920-11	INDUCTOR	10MH
IC1013	8-759-450-47	IC BA05T		L1802	1-406-989-21	INDUCTOR	10MH
IC1102	8-759-712-65	IC PQ070XZ01ZP		L1803	1-414-934-21	INDUCTOR	10UH
IC1201	8-759-544-25	IC TDA7482		L1804	1-412-525-31	INDUCTOR	10UH
IC1202	8-759-333-24	IC LM1876TF		L4000	1-414-742-21	INDUCTOR	22UH
IC1231	6-701-031-01	IC MSP3411G-QA-B10		L4001	1-412-006-31	INDUCTOR	10UH
IC1270	8-759-701-36	IC NJM3403AM		L4002	1-412-006-31	INDUCTOR	10UH
IC1402	8-752-100-26	IC CXA2150AQ-TL		< IC LINK >			
IC1701	8-759-696-71	IC STV9379A		PS1011 Δ	1-801-549-21	PROTECTOR, MODULE 4A MP250	
IC1801	8-759-665-11	IC LM393DT		PS1012 Δ	1-801-549-21	PROTECTOR, MODULE 4A MP250	
IC1802	8-759-998-98	IC LM358D		< TRANSISTOR >			
IC1803	8-759-567-08	IC MB88141APF-ER		Q1001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1804	8-759-665-11	IC LM393DT		Q1002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1808	8-759-665-11	IC LM393DT		Q1003	8-729-027-38	TRANSISTOR DTA144EKA-T146	
IC1811	8-759-803-42	IC LA6500-FA		Q1004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC1812	8-759-394-35	IC BA12T		Q1005	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
IC1950	8-759-803-42	IC LA6500-FA		Q1006	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC4000	8-759-239-25	IC TC74HC4066AF		Q1007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC4001	8-759-478-44	IC PCF8593/T118		Q1008	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
IC4004	8-759-544-26	IC LNBP11SP-TR		Q1009	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)	
IC4005	8-759-239-25	IC TC74HC4066AF		Q1010	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)	
< COIL >				Q1072	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1000	1-419-249-11	INDUCTOR	15UH	Q1201	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1001	1-412-525-31	INDUCTOR	10UH	Q1202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1002	1-412-525-31	INDUCTOR	10UH	Q1203	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1003	1-414-934-21	INDUCTOR	10UH	Q1204	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1004	1-412-525-31	INDUCTOR	10UH	Q1205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1005	1-412-525-31	INDUCTOR	10UH	Q1207	1-801-806-11	TRANSISTOR DTC144EKA	
L1006	1-419-249-11	INDUCTOR	15UH	Q1270	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1007	1-419-249-11	INDUCTOR	15UH	Q1271	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1008	1-419-249-11	INDUCTOR	15UH	Q1272	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1009	1-419-249-11	INDUCTOR	15UH	Q1402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1010	1-419-249-11	INDUCTOR	15UH	Q1406	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1011	1-419-249-11	INDUCTOR	15UH	Q1407	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1012	1-419-249-11	INDUCTOR	15UH	Q1410	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1013	1-412-525-31	INDUCTOR	10UH	Q1411	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1201	1-416-857-11	INDUCTOR	65UH	Q1412	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1202	1-414-158-11	INDUCTOR	2.2UH	Q1413	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1203	1-414-158-11	INDUCTOR	2.2UH	Q1420	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1233	1-414-934-21	INDUCTOR	10UH	Q1421	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1270	1-412-006-31	INDUCTOR	10UH	Q1422	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
L1272	1-408-615-31	INDUCTOR	100UH	Q1423	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1401	1-414-934-21	INDUCTOR	10UH	Q1474	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1402	1-414-934-21	INDUCTOR	10UH	Q1701	8-729-039-68	TRANSISTOR IRF620	
L1403	1-414-934-21	INDUCTOR	10UH	Q1801	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L1404	1-414-934-21	INDUCTOR	10UH				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q1802	1-801-806-11	TRANSISTOR DTC144EKA		R1027	1-216-829-11	RES-CHIP 4.7K 5%	1/10W
Q1803	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1028	1-216-797-11	RES-CHIP 10 5%	1/10W
Q1804	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1029	1-216-817-11	RES-CHIP 470 5%	1/10W
Q1805	8-729-140-93	TRANSISTOR 2SB733-34		R1030	1-216-818-11	RES-CHIP 560 5%	1/10W
Q1809	8-729-046-33	TRANSISTOR IRF720-LF49		R1031	1-216-833-11	RES-CHIP 10K 5%	1/10W
Q1814	1-801-806-11	TRANSISTOR DTC144EKA		R1032	1-216-833-11	RES-CHIP 10K 5%	1/10W
Q1900	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1033	1-216-829-11	RES-CHIP 4.7K 5%	1/10W
Q1970	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1034	1-216-829-11	RES-CHIP 4.7K 5%	1/10W
Q1971	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1035	1-216-650-11	METAL CHIP 910 0.5%	1/10W
Q1972	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1036	1-218-847-11	METAL CHIP 1K 0.5%	1/10W
Q4000	1-801-806-11	TRANSISTOR DTC144EKA		R1037	1-216-652-11	METAL CHIP 1.1K 0.5%	1/10W
Q4001	1-801-806-11	TRANSISTOR DTC144EKA		R1038	1-218-851-11	METAL CHIP 1.5K 0.5%	1/10W
Q4002	1-801-806-11	TRANSISTOR DTC144EKA		R1039	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4003	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R1040	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4004	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R1041	1-216-833-11	RES-CHIP 10K 5%	1/10W
Q4005	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R1042	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4006	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R1043	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4017	1-801-806-11	TRANSISTOR DTC144EKA		R1044	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4018	1-801-806-11	TRANSISTOR DTC144EKA		R1045	1-216-809-11	RES-CHIP 100 5%	1/10W
Q4124	1-801-806-11	TRANSISTOR DTC144EKA		R1046	1-216-809-11	RES-CHIP 100 5%	1/10W
< RESISTOR >				R1047	1-216-864-11	SHORT 0	
JR1006	1-216-864-11	SHORT 0		R1048	1-216-295-91	SHORT 0	
JR1007	1-216-864-11	SHORT 0		R1049	1-216-809-11	RES-CHIP 100 5%	1/10W
JR1238	1-216-295-91	SHORT 0		R1050	1-216-809-11	RES-CHIP 100 5%	1/10W
R1001	1-216-829-11	RES-CHIP 4.7K 5%	1/10W	R1051	1-218-837-11	METAL CHIP 390 0.5%	1/10W
R1002	1-216-829-11	RES-CHIP 4.7K 5%	1/10W	R1052	1-218-847-11	METAL CHIP 1K 0.5%	1/10W
R1003	1-218-847-11	METAL CHIP 1K 0.5%	1/10W	R1053	1-218-837-11	METAL CHIP 390 0.5%	1/10W
R1004	1-218-839-11	METAL CHIP 470 0.5%	1/10W	R1055	1-216-833-11	RES-CHIP 10K 5%	1/10W
R1005	1-216-652-11	METAL CHIP 1.1K 0.5%	1/10W	R1056	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1006	1-218-851-11	METAL CHIP 1.5K 0.5%	1/10W	R1061	1-216-864-11	SHORT 0	
R1007	1-216-833-11	RES-CHIP 10K 5%	1/10W	R1066	1-216-864-11	SHORT 0	
R1008	1-216-805-11	RES-CHIP 47 5%	1/10W	R1073	1-216-833-11	RES-CHIP 10K 5%	1/10W
R1009	1-216-833-11	RES-CHIP 10K 5%	1/10W	R1074	1-216-864-11	SHORT 0	
R1010	1-216-805-11	RES-CHIP 47 5%	1/10W	R1075	1-216-821-11	RES-CHIP 1K 5%	1/10W
R1011	1-216-833-11	RES-CHIP 10K 5%	1/10W	R1076	1-216-845-11	RES-CHIP 100K 5%	1/10W
R1012	1-216-833-11	RES-CHIP 10K 5%	1/10W	R1078	1-216-864-11	SHORT 0	
R1013	1-216-824-11	RES-CHIP 1.8K 5%	1/10W	R1080	1-216-864-11	SHORT 0	
R1014	1-216-295-91	SHORT 0		R1083	1-216-864-11	SHORT 0	
R1015	1-216-821-11	RES-CHIP 1K 5%	1/10W	R1086	1-216-864-11	SHORT 0	
R1016	1-216-809-11	RES-CHIP 100 5%	1/10W	R1087	1-216-864-11	SHORT 0	
R1018	1-216-817-11	RES-CHIP 470 5%	1/10W	R1090	1-216-864-11	SHORT 0	
R1019	1-216-817-11	RES-CHIP 470 5%	1/10W	R1091	1-216-864-11	SHORT 0	
R1020	1-216-817-11	RES-CHIP 470 5%	1/10W	R1092	1-216-864-11	SHORT 0	
R1021	1-216-841-11	RES-CHIP 47K 5%	1/10W	R1093	1-216-295-91	SHORT 0	
R1022	1-216-834-11	RES-CHIP 12K 5%	1/10W	R1094	1-216-809-11	RES-CHIP 100 5%	1/10W
R1023	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W	R1095	1-218-875-11	METAL CHIP 15K 0.5%	1/10W
R1024	1-216-809-11	RES-CHIP 100 5%	1/10W	R1096	1-216-864-11	SHORT 0	
R1025	1-216-817-11	RES-CHIP 470 5%	1/10W	R1097	1-216-864-11	SHORT 0	
R1026	1-216-817-11	RES-CHIP 470 5%	1/10W	R1104	1-216-864-11	SHORT 0	
				R1108	1-216-864-11	SHORT 0	

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R1109	1-216-864-11	SHORT	0			R1242	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1110	1-216-864-11	SHORT	0			R1244	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1111	1-216-864-11	SHORT	0			R1245	1-216-864-11	SHORT	0		
R1116	1-216-864-11	SHORT	0			R1256	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1119	1-216-864-11	SHORT	0			R1260	1-216-809-11	RES-CHIP	100	5%	1/10W
R1121	1-216-864-11	SHORT	0			R1261	1-216-809-11	RES-CHIP	100	5%	1/10W
R1122	1-216-864-11	SHORT	0			R1270	1-216-815-11	RES-CHIP	330	5%	1/10W
R1125	1-216-864-11	SHORT	0			R1272	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1126	1-216-864-11	SHORT	0			R1273	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1128	1-216-864-11	SHORT	0			R1274	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1129	1-216-864-11	SHORT	0			R1275	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1131	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1276	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1132	1-216-809-11	RES-CHIP	100	5%	1/10W	R1277	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1133	1-216-809-11	RES-CHIP	100	5%	1/10W	R1278	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1135	1-216-864-11	SHORT	0			R1279	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1137	1-216-864-11	SHORT	0			R1280	1-218-899-11	METAL CHIP	150K	0.5%	1/16W
R1201	1-216-817-11	RES-CHIP	470	5%	1/10W	R1281	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1202	1-249-422-11	CARBON	2.7K	5%	1/4W	R1283	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1203	1-249-422-11	CARBON	2.7K	5%	1/4W	R1284	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1204	1-249-422-11	CARBON	2.7K	5%	1/4W	R1286	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1205	1-216-809-11	RES-CHIP	100	5%	1/10W	R1287	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1207	1-216-357-00	METAL OXIDE	4.7	5%	1W	R1288	1-216-818-11	RES-CHIP	560	5%	1/10W
R1208	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R1289	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1209	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R1290	1-216-828-11	RES-CHIP	3.9K	5%	1/10W
R1210	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1293	1-216-864-11	SHORT	0		
R1211	1-216-828-11	RES-CHIP	3.9K	5%	1/10W	R1297	1-216-864-11	SHORT	0		
R1212	1-216-828-11	RES-CHIP	3.9K	5%	1/10W	R1406	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1213	1-216-357-00	METAL OXIDE	4.7	5%	1W	R1411	1-216-809-11	RES-CHIP	100	5%	1/10W
R1214	1-216-296-11	SHORT	0			R1412	1-216-809-11	RES-CHIP	100	5%	1/10W
R1215	1-216-631-11	METAL CHIP	150	0.5%	1/10W	R1413	1-216-809-11	RES-CHIP	100	5%	1/10W
R1216	1-216-837-11	RES-CHIP	22K	5%	1/10W	R1414	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R1217	1-216-819-11	RES-CHIP	680	5%	1/10W	R1416	1-216-835-11	RES-CHIP	15K	5%	1/10W
R1218	1-216-837-11	RES-CHIP	22K	5%	1/10W	R1417	1-216-809-11	RES-CHIP	100	5%	1/10W
R1219	1-216-819-11	RES-CHIP	680	5%	1/10W	R1422	1-216-817-11	RES-CHIP	470	5%	1/10W
R1220	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1427	1-216-864-11	SHORT	0		
R1221	1-216-296-11	SHORT	0			R1428	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R1222	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1432	1-216-809-11	RES-CHIP	100	5%	1/10W
R1223	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1433	1-216-864-11	SHORT	0		
R1224	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1434	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R1225	1-216-838-11	RES-CHIP	27K	5%	1/10W	R1435	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R1227	1-216-832-11	RES-CHIP	8.2K	5%	1/10W	R1437	1-216-809-11	RES-CHIP	100	5%	1/10W
R1229	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1438	1-216-817-11	RES-CHIP	470	5%	1/10W
R1230	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1441	1-216-295-91	SHORT	0		
R1232	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1443	1-216-809-11	RES-CHIP	100	5%	1/10W
R1234	1-216-837-11	RES-CHIP	22K	5%	1/10W	R1444	1-216-863-11	RES-CHIP	3.3M	5%	1/10W
R1237	1-249-401-11	CARBON	47	5%	1/4W	R1445	1-216-826-11	RES-CHIP	2.7K	5%	1/10W
R1238	1-216-295-91	SHORT	0			R1447	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R1239	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1448	1-216-809-11	RES-CHIP	100	5%	1/10W
R1240	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1449	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1241	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1450	1-216-809-11	RES-CHIP	100	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R1451	1-216-809-11	RES-CHIP	100	5%	1/10W	R1521	1-216-864-11	SHORT	0		
R1452	1-216-295-91	SHORT	0			R1522	1-216-864-11	SHORT	0		
R1453	1-216-295-91	SHORT	0			R1701	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R1454	1-216-809-11	RES-CHIP	100	5%	1/10W	R1702	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R1456	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R1703	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
R1457	1-216-809-11	RES-CHIP	100	5%	1/10W	R1704	1-208-796-11	METAL CHIP	3.9K	0.5%	1/10W
R1458	1-216-834-11	RES-CHIP	12K	5%	1/10W	R1705	1-249-383-11	CARBON	1.5	5%	1/4W
R1459	1-216-809-11	RES-CHIP	100	5%	1/10W	R1706	1-249-389-11	CARBON	4.7	5%	1/4W
R1460	1-216-809-11	RES-CHIP	100	5%	1/10W	R1707	1-247-791-91	CARBON	22	5%	1/4W
R1461	1-216-809-11	RES-CHIP	100	5%	1/10W	R1708	1-215-913-11	METAL OXIDE	220	5%	3W
R1462	1-216-809-11	RES-CHIP	100	5%	1/10W	R1709	1-214-798-21	METAL	1.8	1%	1/2W
R1463	1-216-809-11	RES-CHIP	100	5%	1/10W	R1710	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R1464	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1711	1-214-798-21	METAL	1.8	1%	1/2W
R1465	1-216-853-11	RES-CHIP	470K	5%	1/10W	R1714	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1466	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1721	1-216-845-11	RES-CHIP	100K	5%	1/10W
R1468	1-216-864-11	SHORT	0			R1722	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1469	1-216-809-11	RES-CHIP	100	5%	1/10W	R1723	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1470	1-216-809-11	RES-CHIP	100	5%	1/10W	R1801	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1471	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1802	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R1472	1-218-271-11	RES-CHIP	2K	5%	1/10W	R1803	1-216-845-11	RES-CHIP	100K	5%	1/10W
R1473	1-216-809-11	RES-CHIP	100	5%	1/10W	R1804	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1475	1-216-845-11	RES-CHIP	100K	5%	1/10W	R1805	1-216-845-11	RES-CHIP	100K	5%	1/10W
R1476	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1806	1-216-817-11	RES-CHIP	470	5%	1/10W
R1478	1-216-845-11	RES-CHIP	100K	5%	1/10W	R1807	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R1479	1-216-864-11	SHORT	0			R1809	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1480	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1811	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R1481	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R1812	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1482	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1813	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1483	1-216-809-11	RES-CHIP	100	5%	1/10W	R1814	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-845-11	RES-CHIP	100K	5%	1/10W	R1815	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1485	1-216-849-11	RES-CHIP	220K	5%	1/10W	R1816	1-216-809-11	RES-CHIP	100	5%	1/10W
R1486	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R1817	1-216-809-11	RES-CHIP	100	5%	1/10W
R1487	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1819	1-216-809-11	RES-CHIP	100	5%	1/10W
R1488	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1820	1-216-809-11	RES-CHIP	100	5%	1/10W
R1489	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1821	1-216-809-11	RES-CHIP	100	5%	1/10W
R1490	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1823	1-216-809-11	RES-CHIP	100	5%	1/10W
R1491	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1825	1-216-809-11	RES-CHIP	100	5%	1/10W
R1492	1-216-841-11	RES-CHIP	47K	5%	1/10W	R1826	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R1493	1-216-845-11	RES-CHIP	100K	5%	1/10W	R1829	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1494	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1830	1-216-295-91	SHORT	0		
R1495	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R1831	1-216-842-11	RES-CHIP	56K	5%	1/10W
R1496	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1832	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1497	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1833	1-216-809-11	RES-CHIP	100	5%	1/10W
R1499	1-216-815-11	RES-CHIP	330	5%	1/10W	R1835	1-216-813-11	RES-CHIP	220	5%	1/10W
R1501	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R1836	1-216-864-11	SHORT	0		
R1502	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1838	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R1503	1-216-845-11	RES-CHIP	100K	5%	1/10W	R1839	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1504	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1840	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1519	1-216-864-11	SHORT	0			R1841	1-216-813-11	RES-CHIP	220	5%	1/10W
R1520	1-216-864-11	SHORT	0			R1842	1-216-813-11	RES-CHIP	220	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R1843	1-216-813-11	RES-CHIP	220	5%	1/10W	R1988	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1844	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1989	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1847	1-216-809-11	RES-CHIP	100	5%	1/10W	R1990	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1848	1-216-809-11	RES-CHIP	100	5%	1/10W	R1995	1-216-843-11	RES-CHIP	68K	5%	1/10W
R1852	1-215-906-11	METAL OXIDE	15	5%	3W	R1998	1-216-817-11	RES-CHIP	470	5%	1/10W
R1854	1-216-853-11	RES-CHIP	470K	5%	1/10W	R1999	1-216-819-11	RES-CHIP	680	5%	1/10W
R1855	1-208-794-11	METAL CHIP	3.3K	0.5%	1/10W	R4000	1-216-864-11	SHORT	0		
R1856	1-216-849-11	RES-CHIP	220K	5%	1/10W	R4002	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1861	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R4002	1-412-006-31	INDUCTOR	10UH		
R1866	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4003	1-469-564-11	FERRITE	0UH		
R1870	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	R4004	1-469-564-11	FERRITE	0UH		
R1876	1-218-873-11	METAL CHIP	12K	0.5%	1/10W	R4005	1-469-564-11	FERRITE	0UH		
R1879	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W	R4006	1-469-564-11	FERRITE	0UH		
R1882	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R4007	1-469-564-11	FERRITE	0UH		
R1886	1-216-837-11	RES-CHIP	22K	5%	1/10W	R4008	1-469-564-11	FERRITE	0UH		
R1890	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R4009	1-469-564-11	FERRITE	0UH		
R1898	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R4010	1-469-564-11	FERRITE	0UH		
R1905	1-218-756-11	METAL CHIP	150K	0.5%	1/10W	R4011	1-216-805-11	RES-CHIP	47	5%	1/10W
R1906	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R4012	1-469-564-11	FERRITE	0UH		
R1909	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R4013	1-216-864-11	SHORT	0		
R1911	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	R4014	1-216-864-11	SHORT	0		
R1916	1-216-353-00	METAL OXIDE	2.2	5%	1W	R4015	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1930	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R4015	1-412-006-31	INDUCTOR	10UH		
R1937	1-216-864-11	SHORT	0			R4017	1-412-006-31	INDUCTOR	10UH		
R1950	1-218-888-11	METAL CHIP	51K	0.5%	1/10W	R4018	1-412-006-31	INDUCTOR	10UH		
R1951	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W	R4019	1-412-006-31	INDUCTOR	10UH		
R1952	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R4020	1-412-006-31	INDUCTOR	10UH		
R1953	1-215-867-00	METAL OXIDE	470	5%	1W	R4022	1-216-813-11	RES-CHIP	220	5%	1/10W
R1954	1-249-395-11	CARBON	15	5%	1/4W	R4023	1-216-837-11	RES-CHIP	22K	5%	1/10W
R1955	1-216-818-11	RES-CHIP	560	5%	1/10W	R4024	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1956	1-249-383-11	CARBON	1.5	5%	1/4W	R4027	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1957	1-249-381-11	CARBON	1	5%	1/4W	R4028	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1968	1-216-845-11	RES-CHIP	100K	5%	1/10W	R4029	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1969	1-216-838-11	RES-CHIP	27K	5%	1/10W	R4030	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1970	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R4031	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1971	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R4032	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1972	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R4035	1-216-841-11	RES-CHIP	47K	5%	1/10W
R1973	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4036	1-216-809-11	RES-CHIP	100	5%	1/10W
R1974	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4037	1-216-809-11	RES-CHIP	100	5%	1/10W
R1975	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4038	1-216-837-11	RES-CHIP	22K	5%	1/10W
R1976	1-216-837-11	RES-CHIP	22K	5%	1/10W	R4039	1-216-809-11	RES-CHIP	100	5%	1/10W
R1977	1-216-839-11	RES-CHIP	33K	5%	1/10W	R4040	1-216-295-91	SHORT	0		
R1978	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4041	1-216-295-91	SHORT	0		
R1979	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4042	1-216-295-91	SHORT	0		
R1982	1-216-837-11	RES-CHIP	22K	5%	1/10W	R4043	1-216-295-91	SHORT	0		
R1983	1-216-845-11	RES-CHIP	100K	5%	1/10W	R4044	1-216-295-91	SHORT	0		
R1984	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4045	1-216-295-91	SHORT	0		
R1985	1-216-837-11	RES-CHIP	22K	5%	1/10W	R4046	1-216-295-91	SHORT	0		
R1986	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R4047	1-216-295-91	SHORT	0		
R1987	1-216-833-11	RES-CHIP	10K	5%	1/10W	R4048	1-216-833-11	RES-CHIP	10K	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
	< FERRITE BEAD >						
FB501	1-414-235-22	FERRITE	Ouh	IC506	8-759-640-16	IC TC7SET04F(TE85R)	
FB502	1-414-235-22	FERRITE	Ouh	IC601	8-752-409-78	IC CXD2095AQ	
FB503	1-414-235-22	FERRITE	Ouh	IC602	8-759-573-19	IC MSM56V16160D-10TS-K	
FB504	1-414-235-22	FERRITE	Ouh	IC603	8-759-669-75	IC TLC2932IPWR	
FB601	1-414-766-22	FERRITE	Ouh	IC710	6-700-797-01	IC CXD9666Q	
FB702	1-414-766-22	FERRITE	Ouh	IC801	8-759-672-57	IC CXD9509AQ	
FB703	1-414-766-22	FERRITE	Ouh	IC802	8-759-677-37	IC MT48LC2M32B2TG-7	
FB801	1-414-766-22	FERRITE	Ouh		< COIL >		
FB802	1-414-766-22	FERRITE	Ouh	L304	1-412-029-11	INDUCTOR	10UH
	< FILTER >			L305	1-412-029-11	INDUCTOR	10UH
FL306	1-239-558-11	FILTER, CHIP EMI		L501	1-412-026-11	INDUCTOR	1UH
FL501	1-233-877-11	FILTER, LOW PASS		L502	1-412-026-11	INDUCTOR	1UH
FL502	1-233-504-21	FILTER, LOW PASS		L503	1-412-026-11	INDUCTOR	1UH
FL503	1-233-504-21	FILTER, LOW PASS		L504	1-412-026-11	INDUCTOR	1UH
FL504	1-234-177-21	FILTER, CHIP EMI		L505	1-412-029-11	INDUCTOR	10UH
FL505	1-234-177-21	FILTER, CHIP EMI		L506	1-412-026-11	INDUCTOR	1UH
FL506	1-234-177-21	FILTER, CHIP EMI		L508	1-412-029-11	INDUCTOR	10UH
FL508	1-234-177-21	FILTER, CHIP EMI		L509	1-412-029-11	INDUCTOR	10UH
FL509	1-234-177-21	FILTER, CHIP EMI		L511	1-412-026-11	INDUCTOR	1UH
FL510	1-234-177-21	FILTER, CHIP EMI		L512	1-412-026-11	INDUCTOR	1UH
FL511	1-234-177-21	FILTER, CHIP EMI		L604	1-412-029-11	INDUCTOR	10UH
FL512	1-234-177-21	FILTER, CHIP EMI		L605	1-412-029-11	INDUCTOR	10UH
FL601	1-234-177-21	FILTER, CHIP EMI		L700	1-412-029-11	INDUCTOR	10UH
FL602	1-234-177-21	FILTER, CHIP EMI		L701	1-412-029-11	INDUCTOR	10UH
FL603	1-234-177-21	FILTER, CHIP EMI			< TRANSISTOR >		
FL606	1-239-560-11	FILTER, CHIP EMI		Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL710	1-234-177-21	FILTER, CHIP EMI		Q501	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
FL711	1-239-560-11	FILTER, CHIP EMI		Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL801	1-234-177-21	FILTER, CHIP EMI		Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL802	1-234-177-21	FILTER, CHIP EMI		Q510	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL803	1-234-177-21	FILTER, CHIP EMI		Q511	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL804	1-234-177-21	FILTER, CHIP EMI		Q512	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL806	1-234-177-21	FILTER, CHIP EMI		Q513	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL807	1-234-177-21	FILTER, CHIP EMI		Q514	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL808	1-234-177-21	FILTER, CHIP EMI		Q515	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL901	1-234-712-21	FILTER, LOW PASS		Q516	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL902	1-234-112-21	FILTER, LOW PASS		Q517	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL903	1-234-112-21	FILTER, LOW PASS		Q518	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
	< IC >			Q519	1-801-806-11	TRANSISTOR DTC144EKA	
IC313	8-759-669-75	IC TLC2932IPWR		Q521	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC314	8-759-525-10	IC TC7SET08F(TE85L)		Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC315	8-759-525-10	IC TC7SET08F(TE85L)		Q523	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC316	8-759-525-10	IC TC7SET08F(TE85L)		Q524	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC501	8-759-447-90	IC TLC5733AIPM		Q601	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC504	8-759-669-78	IC TLC2933IPWR-12		Q602	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC505	8-759-640-16	IC TC7SET04F(TE85R)		Q700	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
				Q701	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q702	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R530	1-218-865-11	METAL CHIP 5.6K 0.5%	1/10W
Q901	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R531	1-216-812-11	RES-CHIP 180 5%	1/10W
Q902	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R532	1-218-865-11	METAL CHIP 5.6K 0.5%	1/10W
Q903	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R533	1-216-812-11	RES-CHIP 180 5%	1/10W
Q904	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R534	1-216-825-11	RES-CHIP 2.2K 5%	1/10W
Q905	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)		R535	1-216-825-11	RES-CHIP 2.2K 5%	1/10W
	< RESISTOR >			R536	1-216-821-11	RES-CHIP 1K 5%	1/10W
R310	1-216-009-91	RES-CHIP 22 5%	1/10W	R537	1-208-790-11	METAL CHIP 2.2K 0.5%	1/10W
R334	1-216-864-11	SHORT 0		R540	1-216-821-11	RES-CHIP 1K 5%	1/10W
R339	1-216-864-11	SHORT 0		R548	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R350	1-216-864-11	SHORT 0		R549	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R361	1-216-827-11	RES-CHIP 3.3K 5%	1/10W	R550	1-208-756-11	METAL CHIP 82 0.5%	1/10W
R362	1-216-825-11	RES-CHIP 2.2K 5%	1/10W	R551	1-208-756-11	METAL CHIP 82 0.5%	1/10W
R363	1-216-037-00	RES-CHIP 330 5%	1/10W	R552	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R364	1-216-864-11	SHORT 0		R553	1-216-864-11	SHORT 0	
R365	1-216-820-11	RES-CHIP 820 5%	1/10W	R554	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R366	1-216-821-11	RES-CHIP 1K 5%	1/10W	R555	1-216-077-91	RES-CHIP 15K 5%	1/10W
R367	1-216-855-11	RES-CHIP 680K 5%	1/10W	R557	1-216-821-11	RES-CHIP 1K 5%	1/10W
R368	1-216-855-11	RES-CHIP 680K 5%	1/10W	R558	1-216-809-11	RES-CHIP 100 5%	1/10W
R369	1-216-864-11	SHORT 0		R559	1-216-077-91	RES-CHIP 15K 5%	1/10W
R371	1-216-057-00	RES-CHIP 2.2K 5%	1/10W	R560	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R372	1-216-009-91	RES-CHIP 22 5%	1/10W	R561	1-216-818-11	RES-CHIP 560 5%	1/10W
R373	1-216-066-00	RES-CHIP 5.1K 5%	1/10W	R562	1-216-818-11	RES-CHIP 560 5%	1/10W
R501	1-216-809-11	RES-CHIP 100 5%	1/10W	R563	1-216-818-11	RES-CHIP 560 5%	1/10W
R502	1-216-809-11	RES-CHIP 100 5%	1/10W	R564	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R503	1-216-864-11	SHORT 0		R565	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R504	1-216-864-11	SHORT 0		R566	1-216-065-91	RES-CHIP 4.7K 5%	1/10W
R505	1-216-864-11	SHORT 0		R569	1-216-864-11	SHORT 0	
R506	1-216-025-11	RES-CHIP 100 5%	1/10W	R571	1-216-864-11	SHORT 0	
R507	1-216-025-11	RES-CHIP 100 5%	1/10W	R572	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R508	1-216-809-11	RES-CHIP 100 5%	1/10W	R575	1-208-756-11	METAL CHIP 82 0.5%	1/10W
R509	1-216-809-11	RES-CHIP 100 5%	1/10W	R576	1-208-756-11	METAL CHIP 82 0.5%	1/10W
R510	1-216-818-11	RES-CHIP 560 5%	1/10W	R577	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R511	1-216-818-11	RES-CHIP 560 5%	1/10W	R578	1-208-750-11	METAL CHIP 47 0.5%	1/10W
R512	1-216-818-11	RES-CHIP 560 5%	1/10W	R579	1-216-835-11	RES-CHIP 15K 5%	1/10W
R513	1-216-818-11	RES-CHIP 560 5%	1/10W	R580	1-216-864-11	SHORT 0	
R514	1-216-818-11	RES-CHIP 560 5%	1/10W	R582	1-216-817-11	RES-CHIP 470 5%	1/10W
R515	1-216-818-11	RES-CHIP 560 5%	1/10W	R584	1-216-817-11	RES-CHIP 470 5%	1/10W
R516	1-216-821-11	RES-CHIP 1K 5%	1/10W	R586	1-216-821-11	RES-CHIP 1K 5%	1/10W
R517	1-216-821-11	RES-CHIP 1K 5%	1/10W	R587	1-216-821-11	RES-CHIP 1K 5%	1/10W
R518	1-216-864-11	SHORT 0		R589	1-216-821-11	RES-CHIP 1K 5%	1/10W
R520	1-218-841-11	METAL CHIP 560 0.5%	1/10W	R590	1-216-821-11	RES-CHIP 1K 5%	1/10W
R521	1-216-864-11	SHORT 0		R591	1-216-821-11	RES-CHIP 1K 5%	1/10W
R523	1-218-841-11	METAL CHIP 560 0.5%	1/10W	R592	1-216-821-11	RES-CHIP 1K 5%	1/10W
R524	1-216-864-11	SHORT 0		R594	1-216-817-11	RES-CHIP 470 5%	1/10W
R526	1-218-841-11	METAL CHIP 560 0.5%	1/10W	R596	1-216-821-11	RES-CHIP 1K 5%	1/10W
R528	1-216-037-00	RES-CHIP 330 5%	1/10W	R597	1-216-833-11	RES-CHIP 10K 5%	1/10W
R529	1-218-865-11	METAL CHIP 5.6K 0.5%	1/10W	R600	1-216-066-00	RES-CHIP 5.1K 5%	1/10W
				R601	1-216-073-91	RES-CHIP 10K 5%	1/10W
				R602	1-216-073-91	RES-CHIP 10K 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R603	1-216-073-91	RES-CHIP	10K	5%	1/10W	R686	1-216-833-11	RES-CHIP	10K	5%	1/10W
R604	1-216-813-11	RES-CHIP	220	5%	1/10W	R687	1-216-864-11	SHORT	0		
R605	1-216-864-11	SHORT	0			R688	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R608	1-216-295-91	SHORT	0			R689	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R610	1-216-813-11	RES-CHIP	220	5%	1/10W	R690	1-216-864-11	SHORT	0		
R616	1-216-833-11	RES-CHIP	10K	5%	1/10W	R691	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R617	1-216-864-11	SHORT	0			R692	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R618	1-216-864-11	SHORT	0			R693	1-216-009-91	RES-CHIP	22	5%	1/10W
R619	1-216-833-11	RES-CHIP	10K	5%	1/10W	R694	1-216-864-11	SHORT	0		
R628	1-216-295-91	SHORT	0			R695	1-216-820-11	RES-CHIP	820	5%	1/10W
R629	1-216-833-11	RES-CHIP	10K	5%	1/10W	R696	1-216-821-11	RES-CHIP	1K	5%	1/10W
R631	1-216-864-11	SHORT	0			R697	1-216-855-11	RES-CHIP	680K	5%	1/10W
R634	1-216-295-91	SHORT	0			R698	1-216-855-11	RES-CHIP	680K	5%	1/10W
R635	1-216-864-11	SHORT	0			R699	1-216-295-91	SHORT	0		
R638	1-216-864-11	SHORT	0			R710	1-216-009-91	RES-CHIP	22	5%	1/10W
R639	1-216-021-00	RES-CHIP	68	5%	1/10W	R711	1-216-295-91	SHORT	0		
R640	1-216-801-11	RES-CHIP	22	5%	1/10W	R712	1-216-295-91	SHORT	0		
R642	1-216-864-11	SHORT	0			R713	1-216-864-11	SHORT	0		
R643	1-216-864-11	SHORT	0			R714	1-216-826-11	RES-CHIP	2.7K	5%	1/10W
R645	1-216-864-11	SHORT	0			R715	1-216-826-11	RES-CHIP	2.7K	5%	1/10W
R652	1-216-864-11	SHORT	0			R716	1-216-631-11	METAL CHIP	150	0.5%	1/10W
R653	1-216-025-11	RES-CHIP	100	5%	1/10W	R717	1-216-631-11	METAL CHIP	150	0.5%	1/10W
R654	1-216-813-11	RES-CHIP	220	5%	1/10W	R718	1-216-631-11	METAL CHIP	150	0.5%	1/10W
R655	1-216-864-11	SHORT	0			R719	1-216-809-11	RES-CHIP	100	5%	1/10W
R657	1-216-801-11	RES-CHIP	22	5%	1/10W	R720	1-216-809-11	RES-CHIP	100	5%	1/10W
R658	1-216-821-11	RES-CHIP	1K	5%	1/10W	R721	1-216-809-11	RES-CHIP	100	5%	1/10W
R659	1-216-025-11	RES-CHIP	100	5%	1/10W	R722	1-216-821-11	RES-CHIP	1K	5%	1/10W
R660	1-216-809-11	RES-CHIP	100	5%	1/10W	R723	1-216-821-11	RES-CHIP	1K	5%	1/10W
R661	1-216-809-11	RES-CHIP	100	5%	1/10W	R724	1-216-821-11	RES-CHIP	1K	5%	1/10W
R664	1-216-801-11	RES-CHIP	22	5%	1/10W	R725	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R665	1-216-035-00	RES-CHIP	270	5%	1/10W	R726	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R666	1-216-646-11	METAL CHIP	620	0.5%	1/10W	R727	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R667	1-208-794-11	METAL CHIP	3.3K	0.5%	1/10W	R728	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R668	1-216-009-91	RES-CHIP	22	5%	1/10W	R729	1-208-785-11	METAL CHIP	1.3K	0.5%	1/10W
R670	1-216-295-91	SHORT	0			R730	1-216-025-11	RES-CHIP	100	5%	1/10W
R671	1-216-833-11	RES-CHIP	10K	5%	1/10W	R731	1-216-809-11	RES-CHIP	100	5%	1/10W
R672	1-216-833-11	RES-CHIP	10K	5%	1/10W	R732	1-216-809-11	RES-CHIP	100	5%	1/10W
R673	1-216-833-11	RES-CHIP	10K	5%	1/10W	R733	1-216-809-11	RES-CHIP	100	5%	1/10W
R674	1-216-833-11	RES-CHIP	10K	5%	1/10W	R734	1-216-025-11	RES-CHIP	100	5%	1/10W
R675	1-216-833-11	RES-CHIP	10K	5%	1/10W	R735	1-216-809-11	RES-CHIP	100	5%	1/10W
R676	1-216-833-11	RES-CHIP	10K	5%	1/10W	R736	1-216-025-11	RES-CHIP	100	5%	1/10W
R677	1-216-833-11	RES-CHIP	10K	5%	1/10W	R737	1-216-025-11	RES-CHIP	100	5%	1/10W
R678	1-216-833-11	RES-CHIP	10K	5%	1/10W	R738	1-216-801-11	RES-CHIP	22	5%	1/10W
R679	1-216-833-11	RES-CHIP	10K	5%	1/10W	R739	1-216-801-11	RES-CHIP	22	5%	1/10W
R680	1-216-833-11	RES-CHIP	10K	5%	1/10W	R801	1-216-805-11	RES-CHIP	47	5%	1/10W
R681	1-216-833-11	RES-CHIP	10K	5%	1/10W	R804	1-216-833-11	RES-CHIP	10K	5%	1/10W
R682	1-216-833-11	RES-CHIP	10K	5%	1/10W	R806	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R683	1-216-833-11	RES-CHIP	10K	5%	1/10W	R807	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R684	1-216-833-11	RES-CHIP	10K	5%	1/10W	R813	1-216-864-11	SHORT	0		
R685	1-216-833-11	RES-CHIP	10K	5%	1/10W	R814	1-216-833-11	RES-CHIP	10K	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R815	1-216-833-11	RES-CHIP	10K 5% 1/10W	R880	1-216-801-11	RES-CHIP	22 5% 1/10W
R816	1-216-833-11	RES-CHIP	10K 5% 1/10W	R881	1-216-009-91	RES-CHIP	22 5% 1/10W
R817	1-216-017-91	RES-CHIP	47 5% 1/10W	R882	1-216-801-11	RES-CHIP	22 5% 1/10W
R823	1-216-073-91	RES-CHIP	10K 5% 1/10W	R883	1-216-009-91	RES-CHIP	22 5% 1/10W
R824	1-216-073-91	RES-CHIP	10K 5% 1/10W	R884	1-216-801-11	RES-CHIP	22 5% 1/10W
R825	1-208-760-11	METAL CHIP	120 0.5% 1/10W	R885	1-216-009-91	RES-CHIP	22 5% 1/10W
R826	1-208-758-11	METAL CHIP	100 0.5% 1/10W	R886	1-216-801-11	RES-CHIP	22 5% 1/10W
R827	1-216-607-11	METAL CHIP	15 0.5% 1/10W	R887	1-216-009-91	RES-CHIP	22 5% 1/10W
R831	1-216-864-11	SHORT	0	R888	1-216-009-91	RES-CHIP	22 5% 1/10W
R832	1-216-864-11	SHORT	0	R889	1-216-864-11	SHORT	0
R833	1-216-864-11	SHORT	0	R890	1-216-801-11	RES-CHIP	22 5% 1/10W
R834	1-208-760-11	METAL CHIP	120 0.5% 1/10W	R891	1-216-017-91	RES-CHIP	47 5% 1/10W
R835	1-216-624-11	METAL CHIP	75 0.5% 1/10W	R892	1-216-017-91	RES-CHIP	47 5% 1/10W
R836	1-211-960-11	METAL CHIP	22 0.5% 1/10W	R893	1-216-805-11	RES-CHIP	47 5% 1/10W
R844	1-216-017-91	RES-CHIP	47 5% 1/10W	R894	1-216-805-11	RES-CHIP	47 5% 1/10W
R845	1-216-805-11	RES-CHIP	47 5% 1/10W	R895	1-216-017-91	RES-CHIP	47 5% 1/10W
R846	1-216-805-11	RES-CHIP	47 5% 1/10W	R896	1-216-805-11	RES-CHIP	47 5% 1/10W
R847	1-216-017-91	RES-CHIP	47 5% 1/10W	R897	1-216-805-11	RES-CHIP	47 5% 1/10W
R848	1-216-805-11	RES-CHIP	47 5% 1/10W	R898	1-216-017-91	RES-CHIP	47 5% 1/10W
R849	1-216-017-91	RES-CHIP	47 5% 1/10W	R907	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R850	1-216-805-11	RES-CHIP	47 5% 1/10W	R908	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R851	1-216-017-91	RES-CHIP	47 5% 1/10W	R909	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R852	1-216-801-11	RES-CHIP	22 5% 1/10W	R910	1-216-821-11	RES-CHIP	1K 5% 1/10W
R853	1-216-801-11	RES-CHIP	22 5% 1/10W	R911	1-216-821-11	RES-CHIP	1K 5% 1/10W
R854	1-216-009-91	RES-CHIP	22 5% 1/10W	R912	1-216-821-11	RES-CHIP	1K 5% 1/10W
R855	1-216-801-11	RES-CHIP	22 5% 1/10W	R914	1-216-829-11	RES-CHIP	4.7K 5% 1/10W
R856	1-216-009-91	RES-CHIP	22 5% 1/10W	R916	1-216-829-11	RES-CHIP	4.7K 5% 1/10W
R857	1-216-801-11	RES-CHIP	22 5% 1/10W	R917	1-216-864-11	SHORT	0
R858	1-216-009-91	RES-CHIP	22 5% 1/10W	R919	1-216-864-11	SHORT	0
R859	1-216-801-11	RES-CHIP	22 5% 1/10W	R940	1-216-864-11	SHORT	0
R860	1-216-009-91	RES-CHIP	22 5% 1/10W	R941	1-216-864-11	SHORT	0
R861	1-216-801-11	RES-CHIP	22 5% 1/10W	R942	1-216-037-00	RES-CHIP	330 5% 1/10W
R862	1-216-009-91	RES-CHIP	22 5% 1/10W	R943	1-216-033-00	RES-CHIP	220 5% 1/10W
R863	1-216-801-11	RES-CHIP	22 5% 1/10W	R951	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
R864	1-216-805-11	RES-CHIP	47 5% 1/10W	R952	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
R865	1-216-017-91	RES-CHIP	47 5% 1/10W	R956	1-216-841-11	RES-CHIP	47K 5% 1/10W
R866	1-216-805-11	RES-CHIP	47 5% 1/10W	R979	1-216-295-91	SHORT	0
R867	1-216-017-91	RES-CHIP	47 5% 1/10W	R981	1-216-815-11	RES-CHIP	330 5% 1/10W
R868	1-216-805-11	RES-CHIP	47 5% 1/10W	R982	1-216-815-11	RES-CHIP	330 5% 1/10W
R869	1-216-017-91	RES-CHIP	47 5% 1/10W	R983	1-216-841-11	RES-CHIP	47K 5% 1/10W
R870	1-216-805-11	RES-CHIP	47 5% 1/10W	R984	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R871	1-216-017-91	RES-CHIP	47 5% 1/10W	R985	1-216-853-11	RES-CHIP	470K 5% 1/10W
R872	1-216-017-91	RES-CHIP	47 5% 1/10W	R986	1-216-827-11	RES-CHIP	3.3K 5% 1/10W
R873	1-216-805-11	RES-CHIP	47 5% 1/10W	R987	1-216-821-11	RES-CHIP	1K 5% 1/10W
R874	1-216-017-91	RES-CHIP	47 5% 1/10W	R988	1-216-033-00	RES-CHIP	220 5% 1/10W
R875	1-216-805-11	RES-CHIP	47 5% 1/10W	R989	1-216-837-11	RES-CHIP	22K 5% 1/10W
R876	1-216-017-91	RES-CHIP	47 5% 1/10W	R990	1-216-853-11	RES-CHIP	470K 5% 1/10W
R877	1-216-805-11	RES-CHIP	47 5% 1/10W	R991	1-216-864-11	SHORT	0
R878	1-216-017-91	RES-CHIP	47 5% 1/10W	R993	1-216-841-11	RES-CHIP	47K 5% 1/10W
R879	1-216-805-11	RES-CHIP	47 5% 1/10W	R994	1-216-033-00	RES-CHIP	220 5% 1/10W

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

B4 F1 M3

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R995	1-216-813-11	RES-CHIP	220 5% 1/10W	*A-1624-108-A F1 Board, Complete			
R996	1-216-815-11	RES-CHIP	330 5% 1/10W	*4-374-846-01		COVER, CAPACITOR, CAP TYPE	
R2801	1-208-760-11	METAL CHIP	120 0.5% 1/10W	< CAPACITOR >			
R2802	1-208-754-11	METAL CHIP	68 0.5% 1/10W	C401 Δ	1-113-924-11	CERAMIC 0.0047UF 20.00% 250V	
R2803	1-216-603-11	METAL CHIP	10 0.5% 1/10W	< CONNECTOR >			
R2804	1-208-760-11	METAL CHIP	120 0.5% 1/10W	CN401 Δ	*1-580-844-11	PIN, CONNECTOR (POWER)	
R2805	1-216-624-11	METAL CHIP	75 0.5% 1/10W	CN402 Δ	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P	
R2806	1-211-960-11	METAL CHIP	22 0.5% 1/10W	CN403 Δ	1-695-915-11	TAB (CONTACT)	
R2807	1-216-295-91	SHORT	0	< FUSE >			
R2808	1-216-295-91	SHORT	0	F5401 Δ	1-576-232-21	FUSE (H.B.C.)	
R2813	1-216-295-91	SHORT	0	FH401 Δ	1-533-725-11	HOLDER, FUSE	
R2815	1-216-295-91	SHORT	0	< RESISTOR >			
R2817	1-216-295-91	SHORT	0	R401 Δ	1-202-719-00	SOLID 1M 10% 1/2W	
R2818	1-216-295-91	SHORT	0	< SWITCH >			
R2822	1-216-864-11	SHORT	0	S401 Δ	1-571-433-21	SWITCH, PUSH (AC POWER)	
< RESISTOR NETWORK >				< VARISTOR >			
RB001	1-239-412-11	NETWORK RESISTOR (CHIP)	100	VD401 Δ	1-803-830-11	VARISTOR (ERZV14D621)	
RB002	1-239-412-11	NETWORK RESISTOR (CHIP)	100	*A-1634-066-A M3 Board, Complete			
RB003	1-239-412-11	NETWORK RESISTOR (CHIP)	100	1-785-449-12		SOCKET, IC	
RB004	1-239-412-11	NETWORK RESISTOR (CHIP)	100	< CAPACITOR >			
RB005	1-239-412-11	NETWORK RESISTOR (CHIP)	100	C9100	1-127-715-91	CERAMIC CHIP 0.22UF 10% 16V	
RB006	1-239-412-11	NETWORK RESISTOR (CHIP)	100	C9101	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
RB013	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9102	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
RB014	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9104	1-126-947-11	ELECT 47UF 20.00% 35V	
RB015	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9105	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB016	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9110	1-165-321-11	CERAMIC CHIP 0.68UF 10.00% 16V	
RB017	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9111	1-164-157-11	CERAMIC CHIP 0.068UF 10.00% 25V	
RB018	1-239-621-11	NETWORK RESISTOR (CHIP)	22	C9112	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB019	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9113	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB020	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9114	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB021	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9115	1-115-340-11	CERAMIC CHIP 0.22UF 10.00% 25V	
RB022	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9117	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB023	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9118	1-126-947-11	ELECT 47UF 20.00% 35V	
RB024	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9119	1-162-960-11	CERAMIC CHIP 220PF 10.00% 50V	
RB025	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9121	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
RB026	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9122	1-115-340-11	CERAMIC CHIP 0.22UF 10.00% 25V	
RB027	1-239-409-11	NETWORK RESISTOR (CHIP)	47	C9123	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB710	1-233-813-11	RES, NETWORK	150	C9124	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB711	1-233-813-11	RES, NETWORK	150	C9125	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
RB712	1-233-813-11	RES, NETWORK	150	< CRYSTAL >			
RB713	1-233-813-11	RES, NETWORK	150	X802	1-795-112-21	VIBRATOR, CRYSTAL	
RB714	1-233-813-11	RES, NETWORK	150				
RB715	1-233-813-11	RES, NETWORK	150				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C9126	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	IC9105	8-759-686-50	IC SAB-C161PI-LM	
C9127	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V	IC9107	8-759-696-48	IC IS62C256-70T	
C9128	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	IC9108	8-759-564-06	IC M24C32-MN6T	
C9129	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	IC9109	8-759-544-32	IC M27C800-100K1	
C9130	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V	IC9110	8-759-559-96	IC HEF4094BT	
C9131	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V	IC9500	8-759-991-85	IC 74F00SJ	
C9132	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC9501	8-759-699-94	IC MT4C4M4A1-DJ-6	
C9400	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	IC9502	8-759-665-84	IC SDA5275-3PC02-22	
C9500	1-126-947-11	ELECT 47UF	20.00% 35V			< COIL >	
C9502	1-126-947-11	ELECT 47UF	20.00% 35V				
C9503	1-126-964-11	ELECT 10UF	20.00% 50V	L9400	1-412-029-11	INDUCTOR 10UH	
C9504	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L9401	1-412-029-11	INDUCTOR 10UH	
C9505	1-104-665-11	ELECT 100UF	20.00% 25V			< TRANSISTOR >	
C9506	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V				
C9507	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	Q9100	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9508	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	Q9101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9509	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	Q9102	8-729-216-22	TRANSISTOR 2SA1162-G	
C9510	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	Q9103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q9105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9512	1-164-156-11	CERAMIC CHIP 0.1UF	25V				
C9513	1-164-156-11	CERAMIC CHIP 0.1UF	25V	Q9106	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9514	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V	Q9107	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9515	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V	Q9108	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9516	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	Q9109	8-729-027-46	TRANSISTOR DTC114YKA-T146	
C9517	1-164-357-11	CERAMIC CHIP 1000PF	5.00% 50V	Q9110	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C9518	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	Q9500	8-729-216-22	TRANSISTOR 2SA1162-G	
C9519	1-126-964-11	ELECT 10UF	20.00% 50V	Q9501	8-729-216-22	TRANSISTOR 2SA1162-G	
C9520	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	Q9502	8-729-216-22	TRANSISTOR 2SA1162-G	
		< CONNECTOR >		Q9503	1-801-806-11	TRANSISTOR DTC144EKA	
CN9101	1-793-497-11	CONNECTOR, BOARD TO BOARD 40P		Q9504	1-801-806-11	TRANSISTOR DTC144EKA	
		< DIODE >				< RESISTOR >	
D9100	8-719-988-61	DIODE 1SS355TE-17		R9100	1-216-073-91	RES-CHIP 10K 5% 1/10W	
D9101	8-719-988-61	DIODE 1SS355TE-17		R9101	1-216-813-11	RES-CHIP 220 5% 1/10W	
D9102	8-719-988-61	DIODE 1SS355TE-17		R9102	1-216-813-11	RES-CHIP 220 5% 1/10W	
D9103	8-719-988-61	DIODE 1SS355TE-17		R9103	1-216-809-11	RES-CHIP 100 5% 1/10W	
D9104	8-719-978-33	DIODE DTZ-TT11-6.8B		R9104	1-216-833-11	RES-CHIP 10K 5% 1/10W	
D9105	8-719-050-38	DIODE M1MA152WK-T1		R9105	1-216-833-11	RES-CHIP 10K 5% 1/10W	
D9107	8-719-025-31	DIODE 02CZ5.6-TE85L		R9106	1-216-833-11	RES-CHIP 10K 5% 1/10W	
		< FILTER >		R9107	1-216-809-11	RES-CHIP 100 5% 1/10W	
FL9101	1-236-071-11	ENCAPSULATED COMPONENT		R9108	1-216-809-11	RES-CHIP 100 5% 1/10W	
FL9500	1-236-071-11	ENCAPSULATED COMPONENT		R9109	1-216-833-11	RES-CHIP 10K 5% 1/10W	
FL9501	1-236-071-11	ENCAPSULATED COMPONENT		R9110	1-216-837-11	RES-CHIP 22K 5% 1/10W	
		< IC >		R9111	1-216-809-11	RES-CHIP 100 5% 1/10W	
IC9100	8-759-988-13	IC LM393PS		R9112	1-216-809-11	RES-CHIP 100 5% 1/10W	
IC9104	8-759-259-18	IC MB3793-42PNF		R9113	1-216-813-11	RES-CHIP 220 5% 1/10W	
				R9114	1-216-838-11	RES-CHIP 27K 5% 1/10W	
				R9115	1-216-837-11	RES-CHIP 22K 5% 1/10W	
				R9116	1-216-833-11	RES-CHIP 10K 5% 1/10W	
				R9117	1-216-833-11	RES-CHIP 10K 5% 1/10W	
				R9119	1-216-833-11	RES-CHIP 10K 5% 1/10W	

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



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C4610	1-130-777-00	MYLAR	0.1UF 5.00% 100V	L4602	1-412-519-11	INDUCTOR	3.3UH
C4611	1-126-971-11	ELECT	470UF 20.00% 50V	L4603	1-412-519-11	INDUCTOR	3.3UH
C4612	1-136-165-00	FILM	0.1UF 5.00% 50V	L4604	1-412-519-11	INDUCTOR	3.3UH
C4615	1-136-165-00	FILM	0.1UF 5.00% 50V			< IC LINK >	
C4616	1-104-665-11	ELECT	100UF 20.00% 25V				
C4618	1-136-165-00	FILM	0.1UF 5.00% 50V	PS4603 Δ	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
C4619	1-104-665-11	ELECT	100UF 20.00% 25V	PS4604 Δ	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
C4621	1-136-165-00	FILM	0.1UF 5.00% 50V	PS4605 Δ	1-801-549-21	PROTECTOR, MODULE 4A MP250	
C4622	1-104-665-11	ELECT	100UF 20.00% 25V			< TRANSISTOR >	
C4623	1-136-165-00	FILM	0.1UF 5.00% 50V				
C4624	1-126-961-11	ELECT	2.2UF 20.00% 50V	Q4600	8-729-029-56	TRANSISTOR DTA144ESA	
C4625	1-115-766-51	ELECT	0.0022F 20.00% 16V	Q4601	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C4626	1-104-665-11	ELECT	100UF 20.00% 25V			< RESISTOR >	
C4627	1-136-165-00	FILM	0.1UF 5.00% 50V				
C4628	1-115-766-51	ELECT	0.0022F 20.00% 16V	R4600 Δ	1-217-155-00	METAL 1 10% 2W	
C4629	1-115-792-11	ELECT	0.0022F 20.00% 25V	R4601 Δ	1-260-127-11	CARBON 220K 5% 1/2W	
		< CONNECTOR >		R4602 Δ	1-217-418-00	FUSIBLE 0.47 10% 1/2W	
CN4600 Δ	1-580-843-11	PIN, CONNECTOR (POWER)		R4603	1-260-133-11	CARBON 680K 5% 1/2W	
CN4601	*1-564-506-11	PLUG, CONNECTOR 3P		R4604	1-215-884-11	METAL OXIDE 47 5% 2W	
CN4602	1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P		R4605	1-249-401-11	CARBON 47 5% 1/4W	
CN4603	*1-564-511-11	PLUG, CONNECTOR 8P		R4607	1-249-421-11	CARBON 2.2K 5% 1/4W	
		< DIODE >		R4608 Δ	1-260-128-91	CARBON 270K 5% 1/2W	
D4600	8-719-025-88	DIODE GBU4JL-6088		R4609	1-249-419-11	CARBON 1.5K 5% 1/4W	
D4601	8-719-080-26	DIODE SARS01V0		R4610	1-249-403-11	CARBON 68 5% 1/4W	
D4602	8-719-075-11	DIODE AG01ZV0		R4611	1-249-418-11	CARBON 1.2K 5% 1/4W	
D4603	8-719-075-11	DIODE AG01ZV0		R4612	1-249-419-11	CARBON 1.5K 5% 1/4W	
D4604	8-719-075-11	DIODE AG01ZV0		R4613	1-259-880-11	CARBON 2.2M 5% 1/4W	
D4605	8-719-075-11	DIODE AG01ZV0		R4614	1-249-417-11	CARBON 1K 5% 1/4W	
D4606	8-719-072-17	DIODE BYW100-200RL		R4615	1-249-425-11	CARBON 4.7K 5% 1/4W	
D4607	6-500-081-01	DIODE RK34-LF-C4		R4616	1-216-366-00	METAL OXIDE 0.56 5% 2W	
D4608	8-719-312-10	DIODE RU4AM-T3		R4617	1-249-415-11	CARBON 680 5% 1/4W	
D4609	6-500-082-01	DIODE RJ43-LF-T2		R4618	1-249-420-11	CARBON 1.8K 5% 1/4W	
D4611	8-719-991-33	DIODE 1SS133T-77				< RELAY >	
D4612	8-719-063-70	DIODE D1NL20U		RY4601 Δ	1-755-389-11	RELAY (AC POWER)	
		< FERRITE BEAD >				< TRANSFORMER >	
FB4602	1-410-396-41	FERRITE	0.45UH	T4601 Δ	1-437-445-11	TRANSFORMER, CONVERTER (SRT)	
FB4603	1-410-396-41	FERRITE	0.45UH				
		< IC >					
IC4600 Δ	6-700-292-01	IC STR-L474-LF429					
IC4601 Δ	8-749-013-21	IC TLP721 (D4-GR.T)					
IC4602	6-700-293-01	IC SE-012N-LF4					
IC4604	8-759-648-19	IC L7809CV/LSY					
		< COIL >					
L4600	1-410-397-21	FERRITE	1.1UH				

***A-1636-054-A G Board, Complete**

4-382-854-01 SCREW (M3X8), P, SW (+)

< CAPACITOR >

C6001 Δ	1-165-439-11	FILM	0.47UF	275V
C6002 Δ	1-165-439-11	FILM	0.47UF	275V
C6003 Δ	1-119-887-51	CERAMIC	1000PF	20.00% 250V
C6004 Δ	1-119-887-51	CERAMIC	1000PF	20.00% 250V
C6005	1-126-965-91	ELECT	22UF	20.00% 50V

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

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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C6006	1-117-753-11	ELECT (BLOCK) 470UF	20.00% 450V			< DIODE >	
C6007	1-126-964-11	ELECT 10UF	20.00% 50V				
C6008	1-126-963-11	ELECT 4.7UF	20.00% 50V	D6001	6-500-067-01	DIODE GSIB460L/45	
C6010	1-136-165-00	FILM 0.1UF	5.00% 50V	D6002	8-719-982-26	DIODE MTZJ-33B	
C6011	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D6004	8-719-979-64	DIODE UF4005PKG23	
C6012 Δ	1-161-830-00	CERAMIC 0.0047UF	500V	D6006	8-719-081-97	DIODE MMDL914T1	
C6013 Δ	1-161-830-00	CERAMIC 0.0047UF	500V	D6007	8-719-081-97	DIODE MMDL914T1	
C6015	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	D6008	8-719-063-70	DIODE D1NL20U	
C6016	1-161-830-00	CERAMIC 0.0047UF	500V	D6009	8-719-110-41	DIODE RD15ESB2	
C6017	1-161-830-00	CERAMIC 0.0047UF	500V	D6010	8-719-085-24	DIODE FBIU4D7M1-B	
C6018	1-126-949-11	ELECT 220UF	20.00% 35V	D6014	8-719-083-92	DIODE YG802C09RF122	
C6020	1-135-946-21	FILM 47000PF	3% 800V	D6015	8-719-085-10	DIODE FMB-24LF654	
C6021	1-164-645-11	CERAMIC 1000PF	10.00% 500V	D6016	8-719-060-88	DIODE D4SBS6	
C6022	1-126-963-11	ELECT 4.7UF	20.00% 50V	D6101	8-719-081-97	DIODE MMDL914T1	
C6023	1-110-626-11	ELECT 330UF	20.00% 160V	D6102	8-719-511-40	DIODE S1VB40	
C6024	1-164-625-11	CERAMIC 680PF	10.00% 500V	D6103	8-719-081-97	DIODE MMDL914T1	
C6025	1-164-625-11	CERAMIC 680PF	10.00% 500V	D6104	8-719-081-97	DIODE MMDL914T1	
C6026	1-164-625-11	CERAMIC 680PF	10.00% 500V	D6105	8-719-081-97	DIODE MMDL914T1	
C6027	1-164-625-11	CERAMIC 680PF	10.00% 500V	D6106	8-719-081-97	DIODE MMDL914T1	
C6028	1-128-548-11	ELECT 4700UF	20.00% 25V	D6107	8-719-081-97	DIODE MMDL914T1	
C6029	1-126-939-11	ELECT 10000UF	20.00% 16V			< FERRITE BEAD >	
C6030	1-126-944-11	ELECT 3300UF	20.00% 25V	FB6002	1-410-397-21	FERRITE 1.1UH	
C6031	1-126-944-11	ELECT 3300UF	20.00% 25V	FB6003	1-410-397-21	FERRITE 1.1UH	
C6032 Δ	1-113-927-11	CERAMIC 0.01UF	250V			< IC >	
C6033	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	IC6001	8-759-670-30	IC MC23001D	
C6035	1-136-165-00	FILM 0.1UF	5.00% 50V	IC6003	8-749-016-19	IC SE135N-LF4	
C6036	1-136-479-11	FILM 0.001UF	5.00% 100V			< COIL >	
C6037	1-126-947-11	ELECT 47UF	20.00% 35V	L6001	1-406-663-21	INDUCTOR 47UH	
C6038	1-164-645-11	CERAMIC 1000PF	10.00% 500V	L6002	1-412-529-11	INDUCTOR 22UH	
C6039	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	L6003	1-412-529-11	INDUCTOR 22UH	
C6040	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	L6006	1-406-659-11	INDUCTOR 10UH	
C6045	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	L6007	1-412-525-31	INDUCTOR 10UH	
C6102	1-126-943-11	ELECT 2200UF	20.00% 25V			< PHOTO COUPLER >	
C6103	1-126-971-11	ELECT 470UF	20.00% 50V	PH6001 Δ	8-749-016-21	IC TCET1103G	
C6105	1-126-964-11	ELECT 10UF	20.00% 50V			< TRANSISTOR >	
C6106	1-126-964-11	ELECT 10UF	20.00% 50V	Q6003	8-729-010-29	TRANSISTOR MSD601-RST1	
		< CONNECTOR >		Q6005	8-729-029-56	TRANSISTOR DTA144ESA	
CN6001 Δ	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		Q6006	6-550-146-01	TRANSISTOR SPA07N60C2-E8152	
CN6002 Δ	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		Q6007	6-550-146-01	TRANSISTOR SPA07N60C2-E8152	
CN6003 Δ	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		Q6010	8-729-119-78	TRANSISTOR 2SC2785-HFE	
CN6004 Δ	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P		Q6101	8-729-029-56	TRANSISTOR DTA144ESA	
CN6005	*1-564-509-11	PLUG, CONNECTOR 6P		Q6102	8-729-010-29	TRANSISTOR MSD601-RST1	
CN6006	*1-564-516-11	PLUG, CONNECTOR 13P		Q6103	8-729-029-56	TRANSISTOR DTA144ESA	
CN6007 Δ	1-580-843-11	PIN, CONNECTOR (POWER)		Q6104	8-729-010-29	TRANSISTOR MSD601-RST1	
CN6008	*1-564-507-11	PLUG, CONNECTOR 4P		Q6105	8-729-010-29	TRANSISTOR MSD601-RST1	
CN6013	*1-564-506-11	PLUG, CONNECTOR 3P					
CN6014	1-695-915-11	TAB (CONTACT)					

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	
< RESISTOR >								
JR6001	1-216-295-91	SHORT	0	R6108	1-216-821-11	RES-CHIP 1K 5%	1/10W	
JR6004	1-216-295-91	SHORT	0	R6109	1-216-829-11	RES-CHIP 4.7K 5%	1/10W	
R6003 Δ	1-202-933-61	FUSIBLE	0.1 10%	1/2W	R6110	1-216-821-11	RES-CHIP 1K 5%	1/10W
R6004 Δ	1-205-998-11	CEMENTED	1 5%	10W	< RELAY >			
R6005 Δ	1-205-998-11	CEMENTED	1 5%	10W	RY6001 Δ	1-755-395-11	RELAY (AC POWER)	
R6006 Δ	1-205-998-11	CEMENTED	1 5%	10W	RY6002 Δ	1-755-389-11	RELAY (AC POWER)	
R6007	1-243-979-21	METAL OXIDE	0.1 5%	2W	< TRANSFORMER >			
R6008	1-243-979-21	METAL OXIDE	0.1 5%	2W	T6001 Δ	1-431-402-11	TRANSFORMER, LINE FILTER	
R6009	1-208-810-11	METAL CHIP	15K 0.5%	1/10W	T6002 Δ	1-437-443-11	TRANSFORMER, CONVERTER (PIT)	
R6010	1-215-481-00	METAL	330K 1%	1/4W	T6003 Δ	1-431-402-11	TRANSFORMER, LINE FILTER	
R6013 Δ	1-218-265-11	METAL	8.2M 5%	1W	T6101 Δ	1-437-483-11	TRANSFORMER, STANDBY	
R6014	1-215-926-00	METAL OXIDE	33K 5%	3W	< THERMISTOR >			
R6015	1-208-757-11	METAL CHIP	91 0.5%	1/10W	TH6002 Δ	1-803-540-11	THERMISTOR	
R6016	1-216-821-11	RES-CHIP	1K 5%	1/10W	*A-1638-162-A C Board, Complete			
R6017	1-216-833-11	RES-CHIP	10K 5%	1/10W	4-382-854-01	SCREW (M3X8), P, SW (+)		
R6018	1-247-895-91	CARBON	470K 5%	1/4W	< CAPACITOR >			
R6019	1-247-891-00	CARBON	330K 5%	1/4W	C5301	1-163-075-00	CERAMIC CHIP 0.047UF	50V
R6020	1-216-820-11	RES-CHIP	820 5%	1/10W	C5302	1-128-528-11	ELECT 470UF	20.00% 25V
R6021	1-216-362-11	METAL OXIDE	0.27 5%	2W	C5303	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
R6022	1-216-833-11	RES-CHIP	10K 5%	1/10W	C5304	1-107-967-11	ELECT 1UF	20.00% 400V
R6024	1-216-615-11	METAL CHIP	33 0.5%	1/10W	C5305	1-136-207-11	MYLAR 0.047UF	5.00% 630V
R6028	1-249-389-11	CARBON	4.7 5%	1/4W	C5306	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
R6029	1-216-833-11	RES-CHIP	10K 5%	1/10W	C5307	1-163-233-91	CERAMIC CHIP 18PF	5.00% 50V
R6030	1-216-817-11	RES-CHIP	470 5%	1/10W	C5308	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V
R6032	1-249-417-11	CARBON	1K 5%	1/4W	C5309	1-163-035-00	CERAMIC CHIP 0.047UF	50V
R6033	1-215-481-00	METAL	330K 1%	1/4W	C5310	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V
R6035	1-260-083-11	CARBON	47 5%	1/2W	C5325	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
R6036	1-216-817-11	RES-CHIP	470 5%	1/10W	C5326	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
R6037	1-249-405-11	CARBON	100 5%	1/4W	C5328	1-128-528-11	ELECT 470UF	20.00% 25V
R6038	1-208-830-11	METAL CHIP	100K 0.5%	1/10W	C5329	1-107-967-11	ELECT 1UF	20.00% 400V
R6039	1-208-830-11	METAL CHIP	100K 0.5%	1/10W	C5330	1-136-207-11	MYLAR 0.047UF	5.00% 630V
R6040	1-208-814-91	METAL CHIP	22K 0.5%	1/10W	C5331	1-163-089-00	CERAMIC CHIP 6PF	0.50PF 50V
R6042	1-216-295-91	SHORT	0		C5332	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
R6045	1-216-639-11	METAL CHIP	330 0.5%	1/10W	C5333	1-163-035-00	CERAMIC CHIP 0.047UF	50V
R6047	1-208-842-11	METAL CHIP	330K 0.5%	1/10W	C5334	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V
R6048	1-215-481-00	METAL	330K 1%	1/4W	C5350	1-107-907-11	ELECT 22UF	20.00% 50V
R6049	1-208-805-11	METAL CHIP	9.1K 0.5%	1/10W	C5351	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
R6050	1-208-758-11	METAL CHIP	100 0.5%	1/10W	C5352	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
R6054	1-216-615-11	METAL CHIP	33 0.5%	1/10W	C5353	1-163-075-00	CERAMIC CHIP 0.047UF	50V
R6056	1-216-295-91	SHORT	0		C5354	1-128-528-11	ELECT 470UF	20.00% 25V
R6101	1-216-821-11	RES-CHIP	1K 5%	1/10W	C5355	1-107-967-11	ELECT 1UF	20.00% 400V
R6102	1-216-829-11	RES-CHIP	4.7K 5%	1/10W	C5356	1-136-207-11	MYLAR 0.047UF	5.00% 630V
R6103	1-216-821-11	RES-CHIP	1K 5%	1/10W	C5357	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
R6104	1-216-821-11	RES-CHIP	1K 5%	1/10W	C5358	1-163-087-00	CERAMIC CHIP 4PF	0.25PF 50V
R6105	1-216-821-11	RES-CHIP	1K 5%	1/10W				
R6106	1-216-829-11	RES-CHIP	4.7K 5%	1/10W				
R6107	1-216-829-11	RES-CHIP	4.7K 5%	1/10W				

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

C

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5359	1-163-035-00	CERAMIC CHIP 0.047UF	50V	Q5350	8-729-029-56	TRANSISTOR DTA144ESA	
C5360	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V	Q5351	8-729-255-12	TRANSISTOR 2SC2551-0	
C5375	1-107-902-11	ELECT 1UF	20.00% 50V	Q5352	8-729-216-22	TRANSISTOR 2SA1162-G	
C5376	1-102-106-00	CERAMIC 100PF	10.00% 50V	Q5375	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C5377	1-104-331-11	CERAMIC 0.0022UF	10.00% 1KV	Q5376	8-729-026-39	TRANSISTOR 2SA933AS-QT	
C5378	1-162-116-00	CERAMIC 680PF	10.00% 2KV	< RESISTOR >			
C5379	1-162-114-00	CERAMIC 0.0047UF	2KV	R5300	1-249-417-11	CARBON 1K 5%	1/4W
C5380	1-107-652-11	ELECT 10UF	20.00% 250V	R5301	1-247-807-31	CARBON 100 5%	1/4W
< CONNECTOR >				R5303	1-208-790-11	METAL CHIP 2.2K 0.5%	1/10W
CN5400	*1-564-511-11	PLUG, CONNECTOR 8P		R5304	1-202-557-00	SOLID 220 20%	1/2W
CN5511	1-695-915-11	TAB (CONTACT)		R5305	1-215-929-11	METAL OXIDE 100K 5%	3W
CN5633	1-695-915-11	TAB (CONTACT)		R5306	1-249-424-11	CARBON 3.9K 5%	1/4W
CN5634	*1-564-508-11	PLUG, CONNECTOR 5P		R5307	1-249-433-11	CARBON 22K 5%	1/4W
< DIODE >				R5308	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
D5300	8-719-911-19	DIODE 1SS119-25		R5309	1-216-658-11	METAL CHIP 2K 0.5%	1/10W
D5302	8-719-901-83	DIODE 1SS83		R5310	1-216-059-00	RES-CHIP 2.7K 5%	1/10W
D5325	8-719-911-19	DIODE 1SS119-25		R5325	1-249-417-11	CARBON 1K 5%	1/4W
D5327	8-719-901-83	DIODE 1SS83		R5326	1-247-807-31	CARBON 100 5%	1/4W
D5350	8-719-911-19	DIODE 1SS119-25		R5328	1-208-790-11	METAL CHIP 2.2K 0.5%	1/10W
D5351	8-719-991-33	DIODE 1SS133T-77		R5329	1-202-557-00	SOLID 220 20%	1/2W
D5353	8-719-901-83	DIODE 1SS83		R5330	1-215-929-11	METAL OXIDE 100K 5%	3W
D5375	8-719-991-33	DIODE 1SS133T-77		R5331	1-249-424-11	CARBON 3.9K 5%	1/4W
D5376	8-719-991-33	DIODE 1SS133T-77		R5332	1-249-433-11	CARBON 22K 5%	1/4W
D5377	8-719-908-03	DIODE GP08D		R5333	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
D5378	8-719-921-88	DIODE MTZJ-13B		R5334	1-216-059-00	RES-CHIP 2.7K 5%	1/10W
D5379	8-719-982-96	DIODE MTZJ-T-77-2.2A		R5335	1-216-658-11	METAL CHIP 2K 0.5%	1/10W
D5380	8-719-982-96	DIODE MTZJ-T-77-2.2A		R5350	1-249-417-11	CARBON 1K 5%	1/4W
< IC >				R5351	1-247-807-31	CARBON 100 5%	1/4W
IC5300	8-759-360-83	IC TDA6111Q/N4		R5352	1-249-416-11	CARBON 820 5%	1/4W
IC5325	8-759-360-83	IC TDA6111Q/N4		R5353	1-249-421-11	CARBON 2.2K 5%	1/4W
IC5350	8-759-360-83	IC TDA6111Q/N4		R5354	1-249-418-11	CARBON 1.2K 5%	1/4W
< SOCKET >				R5356	1-208-790-11	METAL CHIP 2.2K 0.5%	1/10W
J5375 Δ	1-251-732-11	SOCKET, CRT		R5357	1-202-557-00	SOLID 220 20%	1/2W
< COIL >				R5358	1-215-929-11	METAL OXIDE 100K 5%	3W
L5300	1-408-591-11	INDUCTOR 1UH		R5359	1-249-433-11	CARBON 22K 5%	1/4W
L5325	1-408-591-11	INDUCTOR 1UH		R5360	1-249-424-11	CARBON 3.9K 5%	1/4W
L5350	1-408-591-11	INDUCTOR 1UH		R5361	1-249-431-11	CARBON 15K 5%	1/4W
L5375	1-414-743-21	INDUCTOR 47UH		R5362	1-216-057-00	RES-CHIP 2.2K 5%	1/10W
L5376 Δ	1-532-637-00	LINK, IC 1.0A	ICP-F25	R5363	1-216-059-00	RES-CHIP 2.7K 5%	1/10W
< TRANSISTOR >				R5364	1-216-658-11	METAL CHIP 2K 0.5%	1/10W
Q5300	8-729-255-12	TRANSISTOR 2SC2551-0		R5375	1-249-435-11	CARBON 33K 5%	1/4W
Q5301	8-729-216-22	TRANSISTOR 2SA1162-G		R5376	1-249-429-11	CARBON 10K 5%	1/4W
Q5325	8-729-255-12	TRANSISTOR 2SC2551-0		R5377	1-249-421-11	CARBON 2.2K 5%	1/4W
Q5326	8-729-216-22	TRANSISTOR 2SA1162-G		R5378	1-249-429-11	CARBON 10K 5%	1/4W
				R5379	1-249-438-11	CARBON 56K 5%	1/4W
				R5380	1-249-433-11	CARBON 22K 5%	1/4W
				R5381	1-216-055-00	RES-CHIP 1.8K 5%	1/10W
				R5382	1-202-549-00	SOLID 100 20%	1/2W
				R5383	1-216-399-00	METAL OXIDE 6.8 5%	3W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R5384	1-216-399-00	METAL OXIDE	6.8 5% 3W	C8814	1-117-640-11	FILM	6800PF 3.00% 1.2KV
R5385	1-202-549-00	SOLID	100 20% 1/2W	C8815	1-117-835-11	FILM	6200PF 3.00% 1.5KV
R5388	1-215-911-11	METAL OXIDE	100 5% 3W	C8816	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
R5389	1-249-417-11	CARBON	1K 5% 1/4W	C8817	1-125-893-11	FILM	680PF 3.00% 1.5KV
		< VARIABLE RESISTOR >		C8818	1-125-893-11	FILM	680PF 3.00% 1.5KV
RV5375	1-241-656-11	RES, ADJ, METAL FILM 110M		C8819	1-125-893-11	FILM	680PF 3.00% 1.5KV
		*A-1640-444-A D Board, Complete		C8820	1-125-893-11	FILM	680PF 3.00% 1.5KV
	4-382-854-01	SCREW (M3X8), P, SW (+)		C8824	1-107-846-11	FILM	0.1UF 5.00% 400V
		< CAPACITOR >		C8825	1-117-662-11	FILM	0.18UF 5.00% 250V
C8100	1-136-165-00	FILM	0.1UF 5.00% 50V	C8826	1-115-519-11	FILM	0.56UF 5.00% 250V
C8101	1-136-165-00	FILM	0.1UF 5.00% 50V	C8827	1-107-846-11	FILM	0.1UF 5.00% 400V
C8102	1-136-165-00	FILM	0.1UF 5.00% 50V	C8828	1-127-681-11	FILM	10000PF 2% 100V
C8103	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8829	1-127-680-11	FILM	4700PF 2% 100V
C8104	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8830	1-107-655-11	ELECT	47UF 20.00% 250V
C8105	1-126-947-11	ELECT	47UF 20.00% 35V	C8831	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8106	1-163-145-00	CERAMIC CHIP	0.0015UF 5.00% 50V	C8832	1-126-941-11	ELECT	470UF 20.00% 25V
C8108	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8833	1-126-941-11	ELECT	470UF 20.00% 25V
C8109	1-126-947-11	ELECT	47UF 20.00% 35V	C8834	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8112	1-164-227-11	CERAMIC CHIP	0.022UF 10.00% 25V	C8835	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8113	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8836	1-123-024-21	ELECT	33UF 160V
C8114	1-126-964-11	ELECT	10UF 20.00% 50V	C8837	1-106-375-12	MYLAR	0.022UF 5.00% 200V
C8115	1-162-962-11	CERAMIC CHIP	470PF 10.00% 50V	C8840	1-165-176-11	CERAMIC CHIP	0.047UF 10.00% 16V
C8116	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8841	1-126-947-11	ELECT	47UF 20.00% 35V
C8117	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8844	1-115-513-21	FILM	0.18UF 5.00% 250V
C8118	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8851	1-162-131-11	CERAMIC	220PF 10.00% 2KV
C8120	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C8852	1-162-129-00	CERAMIC	150PF 10.00% 2KV
C8125	1-162-968-11	CERAMIC CHIP	0.0047UF 10.00% 50V	C8853	1-129-898-00	FILM	0.0022UF 5.00% 630V
C8126	1-165-176-11	CERAMIC CHIP	0.047UF 10.00% 16V	C8855	1-136-205-11	MYLAR	0.022UF 5.00% 630V
C8128	1-162-968-11	CERAMIC CHIP	0.0047UF 10.00% 50V	C8856	1-102-030-00	CERAMIC	330PF 10.00% 500V
C8132	1-164-230-11	CERAMIC CHIP	220PF 5.00% 50V	C8861	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
C8135	1-126-964-11	ELECT	10UF 20.00% 50V	C8869	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
C8136	1-126-964-11	ELECT	10UF 20.00% 50V			< CONNECTOR >	
C8140	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	CN8600	*1-564-509-11	PLUG, CONNECTOR	6P
C8209	1-164-315-11	CERAMIC CHIP	470PF 5.00% 50V	CN8601	*1-564-506-11	PLUG, CONNECTOR	3P
C8210	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V	CN8611	*1-785-270-12	PIN, DY CONNECTOR	(PC BOARD)
C8801	1-126-947-11	ELECT	47UF 20.00% 35V	CN8612	*1-564-511-11	PLUG, CONNECTOR	8P
C8802	1-126-960-11	ELECT	1UF 20.00% 50V	CN8614	*1-564-508-11	PLUG, CONNECTOR	5P
C8803	1-126-960-11	ELECT	1UF 20.00% 50V	"			
C8804	1-102-114-00	CERAMIC	470PF 10.00% 50V	CN8616	1-695-915-11	TAB (CONTACT)	
C8805	1-102-114-00	CERAMIC	470PF 10.00% 50V	CN8620	1-764-333-11	PIN, CONNECTOR(PCB)	(V TYPE)10P
C8808	1-102-030-00	CERAMIC	330PF 10.00% 500V	CN8810	*1-564-510-11	PLUG, CONNECTOR	7P
C8809	1-102-030-00	CERAMIC	330PF 10.00% 500V			< DIODE >	
C8810	1-107-368-11	MYLAR	0.047UF 10.00% 200V	D8102	8-719-074-43	DIODE	BAS316-115
C8811	1-107-368-11	MYLAR	0.047UF 10.00% 200V	D8103	8-719-074-43	DIODE	BAS316-115
C8812	1-162-131-11	CERAMIC	220PF 10.00% 2KV	D8104	8-719-074-43	DIODE	BAS316-115
C8813	1-162-134-11	CERAMIC	470PF 10.00% 2KV	D8105	8-719-074-43	DIODE	BAS316-115
				D8107	8-719-074-43	DIODE	BAS316-115
				D8108	8-719-921-40	DIODE	MTZJ-4.7C

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D8128	8-719-074-43	DIODE BAS316-115		Q8105	8-729-010-29	TRANSISTOR MSD601-RST1	
D8129	8-719-074-43	DIODE BAS316-115		Q8106	8-729-010-29	TRANSISTOR MSD601-RST1	
D8131	8-719-074-43	DIODE BAS316-115		Q8107	8-729-010-29	TRANSISTOR MSD601-RST1	
D8132	8-719-074-43	DIODE BAS316-115		Q8108	8-729-010-05	TRANSISTOR MSB709-RT1	
D8133	8-719-074-43	DIODE BAS316-115		Q8110	8-729-010-05	TRANSISTOR MSB709-RT1	
D8199	8-719-074-43	DIODE BAS316-115		Q8112	8-729-010-29	TRANSISTOR MSD601-RST1	
D8409	8-719-921-40	DIODE MTZJ-4.7C		Q8113	8-729-010-29	TRANSISTOR MSD601-RST1	
D8611	8-719-074-43	DIODE BAS316-115		Q8115	8-729-010-05	TRANSISTOR MSB709-RT1	
D8612	8-719-074-43	DIODE BAS316-115		Q8118	8-729-010-29	TRANSISTOR MSD601-RST1	
D8803	8-719-908-03	DIODE GP08D		Q8119	8-729-010-05	TRANSISTOR MSB709-RT1	
D8805	8-719-302-43	DIODE EL1Z		Q8120	8-729-010-05	TRANSISTOR MSB709-RT1	
D8806	8-719-979-85	DIODE EGP20G		Q8122	8-729-010-05	TRANSISTOR MSB709-RT1	
D8807	8-719-085-12	DIODE BYV98-200-RAS 15/12		Q8123	8-729-010-05	TRANSISTOR MSB709-RT1	
D8808	8-719-085-12	DIODE BYV98-200-RAS 15/12		Q8125	8-729-010-29	TRANSISTOR MSD601-RST1	
D8811	8-719-110-41	DIODE RD15ESB2		Q8126	8-729-010-05	TRANSISTOR MSB709-RT1	
D8818	8-719-109-89	DIODE RD5.6ESB2		Q8127	8-729-010-05	TRANSISTOR MSB709-RT1	
D8819	8-719-914-43	DIODE DAN202K		Q8128	8-729-010-29	TRANSISTOR MSD601-RST1	
D8820	8-719-074-43	DIODE BAS316-115		Q8132	1-801-806-11	TRANSISTOR DTC144EKA	
D8851	8-719-970-87	DIODE ERA38-06		Q8135	8-729-010-29	TRANSISTOR MSD601-RST1	
D8856	8-719-074-43	DIODE BAS316-115		Q8136	8-729-010-05	TRANSISTOR MSB709-RT1	
D8857	8-719-110-41	DIODE RD15ESB2		Q8137	8-729-010-29	TRANSISTOR MSD601-RST1	
D8858	8-719-074-43	DIODE BAS316-115		Q8201	8-729-010-29	TRANSISTOR MSD601-RST1	
D8858	8-719-081-97	DIODE MMDL914T1		Q8202	8-729-010-29	TRANSISTOR MSD601-RST1	
	< FERRITE BEAD >			Q8203	8-729-010-05	TRANSISTOR MSB709-RT1	
FB8806	1-410-397-21	FERRITE	1.1UH	Q8455	8-729-010-29	TRANSISTOR MSD601-RST1	
FB8807	1-410-397-21	FERRITE	1.1UH	Q8801	8-729-048-47	TRANSISTOR 2SC2688 (5) -LK	
	< IC >			Q8802	8-729-048-47	TRANSISTOR 2SC2688 (5) -LK	
IC8100	8-759-450-95	IC LM393N		Q8803	8-729-056-16	TRANSISTOR 2SC5698-SONY-CA	
IC8101	8-759-450-95	IC LM393N		Q8804	8-729-056-17	TRANSISTOR 2SC5696-SONY-CA	
IC8102	8-759-638-79	IC NJM3404AD-W		Q8805	8-729-050-49	TRANSISTOR IRFI614-005	
IC8103	8-759-450-95	IC LM393N		Q8806	8-729-047-59	TRANSISTOR STP5NB40FP	
	< COIL >			Q8807	1-801-806-11	TRANSISTOR DTC144EKA	
L8801	1-410-397-21	FERRITE	1.1UH	Q8822	8-729-010-29	TRANSISTOR MSD601-RST1	
L8802	1-410-397-21	FERRITE	1.1UH	Q8823	8-729-010-05	TRANSISTOR MSB709-RT1	
L8803	1-410-397-21	FERRITE	1.1UH	Q8851	8-729-047-59	TRANSISTOR STP5NB40FP	
L8805	1-408-947-00	INDUCTOR	2.2MH		< RESISTOR >		
	< FILTER >			JR8002	1-216-295-91	SHORT	0
LF8801	1-406-985-11	INDUCTOR	2.2MH	JR8003	1-216-295-91	SHORT	0
LF8851	1-406-674-11	INDUCTOR	3.3MH	JR8004	1-216-295-91	SHORT	0
	< TRANSISTOR >			JR8005	1-216-295-91	SHORT	0
Q8100	8-729-010-29	TRANSISTOR MSD601-RST1		JR8011	1-216-295-91	SHORT	0
Q8101	8-729-010-29	TRANSISTOR MSD601-RST1		JR8012	1-216-295-91	SHORT	0
Q8102	8-729-010-29	TRANSISTOR MSD601-RST1		JR8014	1-216-295-91	SHORT	0
Q8103	8-729-010-29	TRANSISTOR MSD601-RST1		JR8808	1-216-295-91	SHORT	0
Q8104	8-729-010-29	TRANSISTOR MSD601-RST1		R8100	1-216-813-11	RES-CHIP	220 5% 1/10W
				R8101	1-216-813-11	RES-CHIP	220 5% 1/10W
				R8102	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
				R8103	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
				R8104	1-216-825-11	RES-CHIP	2.2K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R8105	1-216-821-11	RES-CHIP	1K	5%	1/10W	R8169	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R8106	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8170	1-216-815-11	RES-CHIP	330	5%	1/10W
R8107	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8171	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8108	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8174	1-216-837-11	RES-CHIP	22K	5%	1/10W
R8109	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R8175	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R8110	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R8176	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8111	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8177	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R8112	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8179	1-216-295-91	SHORT	0		
R8113	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8180	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8114	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8181	1-216-295-91	SHORT	0		
R8115	1-216-845-11	RES-CHIP	100K	5%	1/10W	R8182	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8116	1-216-845-11	RES-CHIP	100K	5%	1/10W	R8183	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8117	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8186	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8118	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8188	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R8119	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8189	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8120	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8190	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8121	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8191	1-215-925-11	METAL OXIDE	22K	5%	3W
R8122	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8196	1-249-377-11	CARBON	0.47	5%	1/4W
R8123	1-216-841-11	RES-CHIP	47K	5%	1/10W	R8197	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8124	1-216-821-11	RES-CHIP	1K	5%	1/10W	R8204	1-216-864-11	SHORT	0		
R8125	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8205	1-216-864-11	SHORT	0		
R8126	1-216-815-11	RES-CHIP	330	5%	1/10W	R8206	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8127	1-208-794-11	METAL CHIP	3.3K	0.5%	1/10W	R8207	1-216-853-11	RES-CHIP	470K	5%	1/10W
R8128	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8210	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8129	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8211	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8130	1-218-912-11	METAL CHIP	510K	0.5%	1/10W	R8212	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8131	1-216-815-11	RES-CHIP	330	5%	1/10W	R8216	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8132	1-216-815-11	RES-CHIP	330	5%	1/10W	R8217	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8133	1-216-815-11	RES-CHIP	330	5%	1/10W	R8218	1-216-295-91	SHORT	0		
R8136	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8219	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8137	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8220	1-216-834-11	RES-CHIP	12K	5%	1/10W
R8138	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8221	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8139	1-208-822-11	METAL CHIP	47K	0.5%	1/10W	R8223	1-162-927-11	CERAMIC CHIP	100PF		5.00% 50V
R8140	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8224	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R8143	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8456	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8144	1-216-849-11	RES-CHIP	220K	5%	1/10W	R8457	1-216-832-11	RES-CHIP	8.2K	5%	1/10W
R8145	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8458	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8146	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R8459	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8149	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R8800	1-247-895-91	CARBON	470K	5%	1/4W
R8153	1-216-295-91	SHORT	0			R8804	1-249-408-11	CARBON	180	5%	1/4W
R8154	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R8805	1-249-408-11	CARBON	180	5%	1/4W
R8155	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8806	1-249-411-11	CARBON	330	5%	1/4W
R8158	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8807	1-249-411-11	CARBON	330	5%	1/4W
R8159	1-216-295-91	SHORT	0			R8808	1-260-340-11	CARBON	10K	5%	1/2W
R8160	1-216-295-91	SHORT	0			R8809	1-260-340-11	CARBON	10K	5%	1/2W
R8161	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W	R8810	1-215-895-11	METAL OXIDE	3.3K	5%	2W
R8162	1-216-821-11	RES-CHIP	1K	5%	1/10W	R8811	1-215-896-00	METAL OXIDE	4.7K	5%	2W
R8163	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8812	1-215-896-00	METAL OXIDE	4.7K	5%	2W
R8165	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R8813	1-216-460-11	METAL OXIDE	3.9K	5%	2W
R8168	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R8814	1-215-880-00	METAL OXIDE	10	5%	2W

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
R8815	1-215-880-00	METAL OXIDE	10 5% 2W	*A-1644-126-A VM Board, Complete			
R8816	1-216-365-00	METAL OXIDE	0.47 5% 2W	4-382-854-01		SCREW (M3X8), P, SW (+)	
R8817	1-216-361-00	METAL OXIDE	0.22 5% 2W	< CAPACITOR >			
R8818	1-249-405-11	CARBON	100 5% 1/4W	C5400	1-107-883-11	ELECT	330UF 20.00% 16V
R8819	1-247-807-31	CARBON	100 5% 1/4W	C5401	1-126-935-11	ELECT	470UF 20.00% 16V
R8831	1-260-124-11	CARBON	120K 5% 1/2W	C5402	1-137-150-11	FILM	0.01UF 5.00% 100V
R8833	1-202-972-61	FUSIBLE	1 5% 1/4W	C5403	1-126-935-11	ELECT	470UF 20.00% 16V
R8834	1-260-288-11	CARBON	0.47 5% 1/2W	C5405	1-126-933-11	ELECT	100UF 20.00% 16V
R8835	1-260-288-11	CARBON	0.47 5% 1/2W	C5406	1-126-935-11	ELECT	470UF 20.00% 16V
R8836	1-249-429-11	CARBON	10K 5% 1/4W	C5407	1-107-364-11	MYLAR	0.01UF 10.00% 200V
R8837	1-215-894-11	METAL OXIDE	2.2K 5% 2W	C5408	1-107-364-11	MYLAR	0.01UF 10.00% 200V
R8838	1-214-905-11	METAL	47K 1% 1/2W	C5409	1-107-649-11	ELECT	2.2UF 20.00% 250V
R8839	1-215-894-11	METAL OXIDE	2.2K 5% 2W	C5410	1-130-471-00	MYLAR	0.001UF 5.00% 50V
R8840	1-249-421-11	CARBON	2.2K 5% 1/4W	C5411	1-130-471-00	MYLAR	0.001UF 5.00% 50V
R8842	1-260-123-11	CARBON	100K 5% 1/2W	C5412	1-126-935-11	ELECT	470UF 20.00% 16V
R8843	1-216-833-11	RES-CHIP	10K 5% 1/10W	C5413	1-126-935-11	ELECT	470UF 20.00% 16V
R8844	1-216-829-11	RES-CHIP	4.7K 5% 1/10W	C5414	1-107-652-11	ELECT	10UF 20.00% 250V
R8845	1-216-829-11	RES-CHIP	4.7K 5% 1/10W	C5415	1-107-363-91	MYLAR	0.0068UF 10.00% 200V
R8851	1-260-123-11	CARBON	100K 5% 1/2W	C5417	1-102-514-11	CERAMIC	22PF 5.00% 50V
R8852	1-260-123-11	CARBON	100K 5% 1/2W	C5418	1-101-880-00	CERAMIC	47PF 5.00% 50V
R8853	1-260-123-11	CARBON	100K 5% 1/2W	C5419	1-102-110-00	CERAMIC	220PF 10.00% 50V
R8854	1-249-425-11	CARBON	4.7K 5% 1/4W	< CONNECTOR >			
R8856	1-216-485-11	METAL OXIDE	5.6K 5% 3W	CN5402	*1-564-506-11	PLUG, CONNECTOR 3P	
R8857	1-216-485-11	METAL OXIDE	5.6K 5% 3W	CN5444	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
R8858	1-216-485-11	METAL OXIDE	5.6K 5% 3W	CN5602	*1-564-508-11	PLUG, CONNECTOR 5P	
R8859	1-216-485-11	METAL OXIDE	5.6K 5% 3W	< DIODE >			
R8865	1-216-829-11	RES-CHIP	4.7K 5% 1/10W	D5400	8-719-991-33	DIODE 1SS133T-77	
R8866	1-216-829-11	RES-CHIP	4.7K 5% 1/10W	D5401	8-719-510-02	DIODE D1NS4	
R8867	1-216-829-11	RES-CHIP	4.7K 5% 1/10W	D5403	8-719-991-33	DIODE 1SS133T-77	
R8869	1-216-837-11	RES-CHIP	22K 5% 1/10W	D5404	8-719-991-33	DIODE 1SS133T-77	
R8870	1-216-837-11	RES-CHIP	22K 5% 1/10W	D5405	8-719-924-11	DIODE MTZJ-T-77-22	
R8885	1-208-854-11	METAL CHIP	1M 0.5% 1/10W	D5406	8-719-924-11	DIODE MTZJ-T-77-22	
R8886	1-218-760-11	METAL CHIP	220K 0.5% 1/10W	< COIL >			
R8887	1-216-841-11	RES-CHIP	47K 5% 1/10W	L5400	1-410-784-41	INDUCTOR	0.18UH
R8888	1-249-441-11	CARBON	100K 5% 1/4W	L5401	1-408-595-31	INDUCTOR	2.2UH
R8895	1-249-443-11	CARBON	0.47 5% 1/4W	< TRANSISTOR >			
R8896	1-249-443-11	CARBON	0.47 5% 1/4W	Q5400	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R8897	1-215-489-00	METAL	680K 1% 1/4W	Q5401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R8898	1-215-493-00	METAL	1M 1% 1/4W	Q5402	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R8899	1-215-493-00	METAL	1M 1% 1/4W	Q5403	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< TRANSFORMER >				Q5404	8-729-026-39	TRANSISTOR 2SA933AS-QT	
T8800 Δ	8-598-851-50	FBT ASSY NX-4522//Z		Q5405	8-729-026-39	TRANSISTOR 2SA933AS-QT	
T8801	1-437-430-11	TRANSFORMER, FERRITE (HDT)		Q5406	8-729-045-05	TRANSISTOR 2SA2005	
T8802	1-437-430-11	TRANSFORMER, FERRITE (HDT)					
T8852	1-433-487-11	TRANSFORMER, FERRITE (DFT)					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
R7153	1-249-425-11	CARBON	4.7K 5% 1/4W	C8819	1-107-682-11	CERAMIC CHIP 1UF	10.00% 16V
R7154	1-249-421-11	CARBON	2.2K 5% 1/4W	C8820	1-126-947-11	ELECT 47UF	20.00% 35V
R7155	1-247-807-31	CARBON	100 5% 1/4W	C8821	1-164-346-11	CERAMIC CHIP 1UF	16V
R7156	1-249-411-11	CARBON	330 5% 1/4W	C8822	1-126-963-11	ELECT 4.7UF	20.00% 50V
*A-1646-249-A H3 Board, Complete							
< CAPACITOR >							
C7925	1-137-372-11	MYLAR	0.022UF 5.00% 50V	C8824	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V
C7926	1-137-372-11	MYLAR	0.022UF 5.00% 50V	C8825	1-164-156-11	CERAMIC CHIP 0.1UF	25V
< CONNECTOR >							
CN7104	*1-564-518-11	PLUG, CONNECTOR 3P		C8826	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
< JACK >							
J7925	1-785-448-11	JACK		C8827	1-164-156-11	CERAMIC CHIP 0.1UF	25V
< COIL >							
L7925	1-414-183-41	INDUCTOR	10UH	C8828	1-164-156-11	CERAMIC CHIP 0.1UF	25V
L7926	1-414-183-41	INDUCTOR	10UH	C8829	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
*A-1651-144-A J1 Board, Complete							
< CAPACITOR >							
C8105	1-126-933-11	ELECT	100UF 20.00% 16V	C8830	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8106	1-126-933-11	ELECT	100UF 20.00% 16V	C8831	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8107	1-126-935-11	ELECT	470UF 20.00% 16V	C8832	1-126-947-11	ELECT 47UF	20.00% 35V
C8108	1-126-933-11	ELECT	100UF 20.00% 16V	C8833	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8109	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C8834	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8110	1-164-004-11	CERAMIC CHIP	0.1UF 10.00% 25V	C8835	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8111	1-126-933-11	ELECT	100UF 20.00% 16V	C8836	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8800	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8837	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8801	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8838	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8802	1-126-947-11	ELECT	47UF 20.00% 35V	C8839	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8803	1-126-947-11	ELECT	47UF 20.00% 35V	C8840	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8804	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8841	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8805	1-126-947-11	ELECT	47UF 20.00% 35V	C8842	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8807	1-163-037-11	CERAMIC CHIP	0.022UF 10.00% 50V	C8843	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8808	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8844	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C8809	1-107-823-11	CERAMIC CHIP	0.47UF 10.00% 16V	C8845	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C8810	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8858	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8811	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8859	1-126-947-11	ELECT 47UF	20.00% 35V
C8812	1-126-961-11	ELECT	2.2UF 20.00% 50V	C8860	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8813	1-126-947-11	ELECT	47UF 20.00% 35V	C8863	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8814	1-126-947-11	ELECT	47UF 20.00% 35V	C8864	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C8815	1-126-947-11	ELECT	47UF 20.00% 35V	C8865	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8816	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8866	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8817	1-126-964-11	ELECT	10UF 20.00% 50V	C8867	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8818	1-126-947-11	ELECT	47UF 20.00% 35V	C8868	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8874	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8869	1-126-964-11	ELECT 10UF	20.00% 50V
C8875	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8870	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8876	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8871	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8877	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V	C8872	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8878	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8873	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8880	1-126-947-11	ELECT	47UF 20.00% 35V	C8874	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8881	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8875	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8882	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8876	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8884	1-104-665-11	ELECT	100UF 20.00% 25V	C8877	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C8885	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C8878	1-164-156-11	CERAMIC CHIP 0.1UF	25V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8887	1-164-346-11	CERAMIC CHIP 1UF	16V	C8954	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8888	1-164-346-11	CERAMIC CHIP 1UF	16V	C8955	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8889	1-126-947-11	ELECT 47UF	20.00% 35V	C8957	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8890	1-164-346-11	CERAMIC CHIP 1UF	16V	C8958	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8891	1-126-947-11	ELECT 47UF	20.00% 35V	C8959	1-107-910-11	ELECT 100UF	20.00% 50V
C8892	1-164-346-11	CERAMIC CHIP 1UF	16V	C8960	1-107-910-11	ELECT 100UF	20.00% 50V
C8893	1-164-346-11	CERAMIC CHIP 1UF	16V	C8961	1-104-665-11	ELECT 100UF	20.00% 25V
C8894	1-164-346-11	CERAMIC CHIP 1UF	16V	C8962	1-104-665-11	ELECT 100UF	20.00% 25V
C8895	1-164-346-11	CERAMIC CHIP 1UF	16V	C8963	1-104-665-11	ELECT 100UF	20.00% 25V
C8896	1-164-346-11	CERAMIC CHIP 1UF	16V	C8964	1-126-947-11	ELECT 47UF	20.00% 35V
C8897	1-164-346-11	CERAMIC CHIP 1UF	16V	C8965	1-104-665-11	ELECT 100UF	20.00% 25V
C8898	1-164-346-11	CERAMIC CHIP 1UF	16V	C8966	1-104-665-11	ELECT 100UF	20.00% 25V
C8899	1-164-346-11	CERAMIC CHIP 1UF	16V	C8967	1-104-665-11	ELECT 100UF	20.00% 25V
C8900	1-164-346-11	CERAMIC CHIP 1UF	16V	C8968	1-126-947-11	ELECT 47UF	20.00% 35V
C8901	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C8969	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8902	1-164-346-11	CERAMIC CHIP 1UF	16V	C8970	1-104-665-11	ELECT 100UF	20.00% 25V
C8903	1-126-947-11	ELECT 47UF	20.00% 35V	C8971	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8904	1-164-346-11	CERAMIC CHIP 1UF	16V	C8979	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C8905	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C8980	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C8906	1-126-964-11	ELECT 10UF	20.00% 50V	C8982	1-104-665-11	ELECT 100UF	20.00% 25V
C8907	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C8983	1-104-665-11	ELECT 100UF	20.00% 25V
C8909	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C8984	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8910	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C8986	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8911	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C8987	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8912	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V	C8988	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8913	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8989	1-126-947-11	ELECT 47UF	20.00% 35V
C8914	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C8990	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8915	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C8991	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8916	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8992	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8917	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C8996	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C8918	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8999	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C8919	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C9001	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C8920	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C9093	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8921	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C9094	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8922	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C9095	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C8923	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C9096	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C8924	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C9097	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8934	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C9098	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8935	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C9099	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C8937	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C9101	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8938	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C9102	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8939	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C9103	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8940	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C9104	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C8947	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C9105	1-107-715-11	ELECT 22UF	20.00% 50V
C8948	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C9106	1-126-947-11	ELECT 47UF	20.00% 35V
C8949	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C9107	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C8950	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C9108	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C8951	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V				
C8952	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V				
C8953	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V				

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
	< CONNECTOR >						
CN8805	1-793-498-11	CONNECTOR, BOARD TO BOARD 50P		FL8805	1-233-765-21	FILTER	
CN8806	1-815-672-11	CONNECTOR, RGB 21P		FL8806	1-233-768-21	FILTER	
	< DIODE >			FL8807	1-233-766-21	FILTER	
D8800	8-719-056-85	DIODE UDZ-TE-17-8.2B		FL8808	1-236-071-11	ENCAPSULATED COMPONENT	
D8801	8-719-056-85	DIODE UDZ-TE-17-8.2B		FL8809	1-236-071-11	ENCAPSULATED COMPONENT	
D8802	8-719-056-85	DIODE UDZ-TE-17-8.2B					
D8803	8-719-108-12	DIODE RD9.1EW		FL8811	1-236-071-11	ENCAPSULATED COMPONENT	
D8805	8-719-083-82	DIODE UDZS-TE17-12B					
	< IC >						
D8806	8-719-083-82	DIODE UDZS-TE17-12B		IC8101	8-759-576-76	IC TDA2822D013TR	
D8807	8-719-083-82	DIODE UDZS-TE17-12B		IC8800	8-752-072-94	IC CXA1875AM-T4	
D8808	8-719-083-82	DIODE UDZS-TE17-12B		IC8801	8-752-099-05	IC CXA2163AQ-T6	
D8809	8-719-083-82	DIODE UDZS-TE17-12B		IC8802	8-759-485-79	IC TC7SET08FU(TE85L)	
D8810	8-719-083-82	DIODE UDZS-TE17-12B		IC8803	8-752-386-17	IC CXD2064Q	
	< JACK >						
D8811	8-719-083-82	DIODE UDZS-TE17-12B		IC8806	8-752-096-83	IC CXA2149AQ-TL	
D8812	8-719-083-82	DIODE UDZS-TE17-12B		IC8809	8-759-439-64	IC HEF4053BT	
D8813	8-719-083-82	DIODE UDZS-TE17-12B		IC8810	8-759-587-03	IC TDA8601T	
D8814	8-719-083-82	DIODE UDZS-TE17-12B					
D8815	8-719-083-82	DIODE UDZS-TE17-12B		J8800	1-770-989-11	JACK, PIN 2P	
	< COIL >						
D8816	8-719-083-82	DIODE UDZS-TE17-12B		L8800	1-412-006-31	INDUCTOR 10UH	
D8817	8-719-083-82	DIODE UDZS-TE17-12B		L8804	1-412-539-11	INDUCTOR 150UH	
D8818	8-719-083-82	DIODE UDZS-TE17-12B		L8805	1-412-539-11	INDUCTOR 150UH	
D8819	8-719-056-85	DIODE UDZ-TE-17-8.2B		L8806	1-412-539-11	INDUCTOR 150UH	
D8820	8-719-083-82	DIODE UDZS-TE17-12B					
	< TRANSISTOR >						
D8821	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8802	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D8822	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8803	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D8823	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8806	1-801-806-11	TRANSISTOR DTC144EKA	
D8824	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8807	8-729-216-22	TRANSISTOR 2SA1162-G	
D8825	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8808	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	< FERRITE BEAD >						
D8826	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8809	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D8827	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8810	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D8828	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8811	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D8829	8-719-056-85	DIODE UDZ-TE-17-8.2B		Q8812	8-729-038-96	TRANSISTOR IMZ1A-T109	
D8830	8-719-083-82	DIODE UDZS-TE17-12B		Q8813	8-729-038-96	TRANSISTOR IMZ1A-T109	
D8831	8-719-083-82	DIODE UDZS-TE17-12B		Q8814	8-729-038-96	TRANSISTOR IMZ1A-T109	
D8832	8-719-083-82	DIODE UDZS-TE17-12B		Q8815	8-729-216-22	TRANSISTOR 2SA1162-G	
D8833	8-719-083-82	DIODE UDZS-TE17-12B		Q8816	8-729-216-22	TRANSISTOR 2SA1162-G	
D8839	8-719-108-12	DIODE RD9.1EW		Q8817	8-729-216-22	TRANSISTOR 2SA1162-G	
	< FILTER >			Q8822	8-729-216-22	TRANSISTOR 2SA1162-G	
FB8800	1-469-869-21	FERRITE 0UH		Q8823	8-729-038-96	TRANSISTOR IMZ1A-T109	
	< FERRITE BEAD >			Q8824	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8800	1-236-071-11	ENCAPSULATED COMPONENT		Q8826	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8801	1-236-071-11	ENCAPSULATED COMPONENT		Q8827	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8802	1-236-071-11	ENCAPSULATED COMPONENT		Q8828	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8803	1-236-071-11	ENCAPSULATED COMPONENT		Q8829	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8804	1-236-071-11	ENCAPSULATED COMPONENT		Q8830	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q8831	8-729-216-22	TRANSISTOR 2SA1162-G		R8843	1-216-821-11	RES-CHIP	1K 5% 1/10W
Q8833	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8844	1-216-864-11	SHORT	0
Q8834	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8847	1-216-864-11	SHORT	0
Q8835	1-801-806-11	TRANSISTOR DTC144EKA		R8849	1-216-037-00	RES-CHIP	330 5% 1/10W
Q8837	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8850	1-216-817-11	RES-CHIP	470 5% 1/10W
< RESISTOR >							
R8109	1-249-389-11	CARBON	4.7 5% 1/4W	R8851	1-216-827-11	RES-CHIP	3.3K 5% 1/10W
R8110	1-249-389-11	CARBON	4.7 5% 1/4W	R8852	1-216-817-11	RES-CHIP	470 5% 1/10W
R8115	1-216-029-00	RES-CHIP	150 5% 1/10W	R8853	1-216-813-11	RES-CHIP	220 5% 1/10W
R8116	1-216-029-00	RES-CHIP	150 5% 1/10W	R8855	1-216-864-11	SHORT	0
R8117	1-216-029-00	RES-CHIP	150 5% 1/10W	R8856	1-216-827-11	RES-CHIP	3.3K 5% 1/10W
R8118	1-216-029-00	RES-CHIP	150 5% 1/10W	R8857	1-216-820-11	RES-CHIP	820 5% 1/10W
R8800	1-216-047-91	RES-CHIP	820 5% 1/10W	R8858	1-216-820-11	RES-CHIP	820 5% 1/10W
R8801	1-218-285-11	RES-CHIP	75 5% 1/10W	R8859	1-216-824-11	RES-CHIP	1.8K 5% 1/10W
R8802	1-216-813-11	RES-CHIP	220 5% 1/10W	R8860	1-216-822-11	RES-CHIP	1.2K 5% 1/10W
R8804	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8861	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R8805	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8862	1-216-821-11	RES-CHIP	1K 5% 1/10W
R8806	1-216-864-11	SHORT	0	R8866	1-216-809-11	RES-CHIP	100 5% 1/10W
R8807	1-216-809-11	RES-CHIP	100 5% 1/10W	R8868	1-216-864-11	SHORT	0
R8808	1-216-809-11	RES-CHIP	100 5% 1/10W	R8870	1-216-839-11	RES-CHIP	33K 5% 1/10W
R8809	1-216-047-91	RES-CHIP	820 5% 1/10W	R8871	1-216-864-11	SHORT	0
R8810	1-216-864-11	SHORT	0	R8877	1-216-864-11	SHORT	0
R8811	1-216-805-11	RES-CHIP	47 5% 1/10W	R8880	1-216-809-11	RES-CHIP	100 5% 1/10W
R8813	1-216-821-11	RES-CHIP	1K 5% 1/10W	R8881	1-216-817-11	RES-CHIP	470 5% 1/10W
R8814	1-216-821-11	RES-CHIP	1K 5% 1/10W	R8882	1-216-817-11	RES-CHIP	470 5% 1/10W
R8816	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8883	1-216-817-11	RES-CHIP	470 5% 1/10W
R8817	1-216-864-11	SHORT	0	R8884	1-216-817-11	RES-CHIP	470 5% 1/10W
R8818	1-216-857-11	RES-CHIP	1M 5% 1/10W	R8886	1-216-809-11	RES-CHIP	100 5% 1/10W
R8819	1-216-864-11	SHORT	0	R8887	1-216-839-11	RES-CHIP	33K 5% 1/10W
R8820	1-216-864-11	SHORT	0	R8890	1-211-985-11	METAL CHIP	47 0.5% 1/10W
R8821	1-216-864-11	SHORT	0	R8891	1-218-839-11	METAL CHIP	470 0.5% 1/10W
R8822	1-216-817-11	RES-CHIP	470 5% 1/10W	R8893	1-218-827-11	METAL CHIP	150 0.5% 1/10W
R8823	1-216-821-11	RES-CHIP	1K 5% 1/10W	R8894	1-218-831-11	METAL CHIP	220 0.5% 1/10W
R8824	1-216-805-11	RES-CHIP	47 5% 1/10W	R8895	1-218-851-11	METAL CHIP	1.5K 0.5% 1/10W
R8825	1-216-805-11	RES-CHIP	47 5% 1/10W	R8896	1-216-836-11	RES-CHIP	18K 5% 1/10W
R8826	1-216-817-11	RES-CHIP	470 5% 1/10W	R8897	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
R8827	1-216-817-11	RES-CHIP	470 5% 1/10W	R8898	1-216-864-11	SHORT	0
R8828	1-216-817-11	RES-CHIP	470 5% 1/10W	R8900	1-216-864-11	SHORT	0
R8829	1-216-805-11	RES-CHIP	47 5% 1/10W	R8902	1-218-285-11	RES-CHIP	75 5% 1/10W
R8830	1-216-805-11	RES-CHIP	47 5% 1/10W	R8903	1-216-821-11	RES-CHIP	1K 5% 1/10W
R8831	1-216-063-91	RES-CHIP	3.9K 5% 1/10W	R8904	1-216-805-11	RES-CHIP	47 5% 1/10W
R8832	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8905	1-216-813-11	RES-CHIP	220 5% 1/10W
R8833	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8907	1-216-821-11	RES-CHIP	1K 5% 1/10W
R8835	1-216-045-00	RES-CHIP	680 5% 1/10W	R8908	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
R8837	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8909	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8838	1-216-864-11	SHORT	0	R8910	1-216-825-11	RES-CHIP	2.2K 5% 1/10W
R8839	1-216-818-11	RES-CHIP	560 5% 1/10W	R8911	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8841	1-216-031-00	RES-CHIP	180 5% 1/10W	R8912	1-216-843-11	RES-CHIP	68K 5% 1/10W
R8842	1-216-830-11	RES-CHIP	5.6K 5% 1/10W	R8913	1-216-843-11	RES-CHIP	68K 5% 1/10W
				R8914	1-216-840-11	RES-CHIP	39K 5% 1/10W
				R8915	1-216-864-11	SHORT	0

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R8916	1-216-836-11	RES-CHIP	18K	5%	1/10W	R8975	1-216-813-11	RES-CHIP	220	5%	1/10W
R8917	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	R8976	1-216-816-11	RES-CHIP	390	5%	1/10W
R8919	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	R8977	1-216-864-11	SHORT	0		
R8921	1-216-809-11	RES-CHIP	100	5%	1/10W	R8978	1-218-285-11	RES-CHIP	75	5%	1/10W
R8922	1-216-809-11	RES-CHIP	100	5%	1/10W	R8979	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8923	1-216-864-11	SHORT	0			R8980	1-216-805-11	RES-CHIP	47	5%	1/10W
R8925	1-216-864-11	SHORT	0			R8981	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8926	1-216-864-11	SHORT	0			R8982	1-216-814-11	RES-CHIP	270	5%	1/10W
R8931	1-216-816-11	RES-CHIP	390	5%	1/10W	R8983	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R8932	1-216-864-11	SHORT	0			R8984	1-216-816-11	RES-CHIP	390	5%	1/10W
R8933	1-216-816-11	RES-CHIP	390	5%	1/10W	R8985	1-216-864-11	SHORT	0		
R8934	1-216-841-11	RES-CHIP	47K	5%	1/10W	R8986	1-216-809-11	RES-CHIP	100	5%	1/10W
R8935	1-216-841-11	RES-CHIP	47K	5%	1/10W	R8987	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8936	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8988	1-218-285-11	RES-CHIP	75	5%	1/10W
R8937	1-216-814-11	RES-CHIP	270	5%	1/10W	R8989	1-216-813-11	RES-CHIP	220	5%	1/10W
R8938	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	R8990	1-218-285-11	RES-CHIP	75	5%	1/10W
R8939	1-216-814-11	RES-CHIP	270	5%	1/10W	R8991	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R8940	1-216-864-11	SHORT	0			R8992	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8941	1-216-809-11	RES-CHIP	100	5%	1/10W	R8993	1-216-814-11	RES-CHIP	270	5%	1/10W
R8942	1-218-285-11	RES-CHIP	75	5%	1/10W	R8994	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R8944	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R8996	1-216-805-11	RES-CHIP	47	5%	1/10W
R8945	1-218-285-11	RES-CHIP	75	5%	1/10W	R8997	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R8946	1-216-813-11	RES-CHIP	220	5%	1/10W	R8998	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8947	1-216-813-11	RES-CHIP	220	5%	1/10W	R8999	1-216-836-11	RES-CHIP	18K	5%	1/10W
R8948	1-216-113-00	RES-CHIP	470K	5%	1/10W	R9000	1-216-073-91	RES-CHIP	10K	5%	1/10W
R8949	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	R9001	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8950	1-218-285-11	RES-CHIP	75	5%	1/10W	R9002	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R8951	1-218-285-11	RES-CHIP	75	5%	1/10W	R9003	1-216-817-11	RES-CHIP	470	5%	1/10W
R8952	1-218-285-11	RES-CHIP	75	5%	1/10W	R9004	1-218-285-11	RES-CHIP	75	5%	1/10W
R8953	1-218-285-11	RES-CHIP	75	5%	1/10W	R9005	1-216-813-11	RES-CHIP	220	5%	1/10W
R8954	1-218-285-11	RES-CHIP	75	5%	1/10W	R9006	1-216-832-11	RES-CHIP	8.2K	5%	1/10W
R8955	1-216-813-11	RES-CHIP	220	5%	1/10W	R9007	1-216-839-11	RES-CHIP	33K	5%	1/10W
R8956	1-216-813-11	RES-CHIP	220	5%	1/10W	R9008	1-216-849-11	RES-CHIP	220K	5%	1/10W
R8958	1-216-805-11	RES-CHIP	47	5%	1/10W	R9009	1-216-864-11	SHORT	0		
R8959	1-216-816-11	RES-CHIP	390	5%	1/10W	R9010	1-216-864-11	SHORT	0		
R8960	1-216-864-11	SHORT	0			R9018	1-216-864-11	SHORT	0		
R8961	1-216-816-11	RES-CHIP	390	5%	1/10W	R9020	1-216-809-11	RES-CHIP	100	5%	1/10W
R8962	1-216-864-11	SHORT	0			R9021	1-216-809-11	RES-CHIP	100	5%	1/10W
R8963	1-216-841-11	RES-CHIP	47K	5%	1/10W	R9022	1-216-864-11	SHORT	0		
R8964	1-216-841-11	RES-CHIP	47K	5%	1/10W	R9023	1-216-864-11	SHORT	0		
R8965	1-216-113-00	RES-CHIP	470K	5%	1/10W	R9024	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8966	1-216-113-00	RES-CHIP	470K	5%	1/10W	R9026	1-216-815-11	RES-CHIP	330	5%	1/10W
R8967	1-216-814-11	RES-CHIP	270	5%	1/10W	R9029	1-216-816-11	RES-CHIP	390	5%	1/10W
R8968	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	R9030	1-216-837-11	RES-CHIP	22K	5%	1/10W
R8969	1-216-814-11	RES-CHIP	270	5%	1/10W	R9031	1-216-837-11	RES-CHIP	22K	5%	1/10W
R8970	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	R9032	1-218-725-11	METAL CHIP	24K	0.5%	1/16W
R8971	1-216-809-11	RES-CHIP	100	5%	1/10W	R9033	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R8972	1-216-801-11	RES-CHIP	22	5%	1/10W	R9034	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R8973	1-218-285-11	RES-CHIP	75	5%	1/10W	R9035	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R8974	1-218-285-11	RES-CHIP	75	5%	1/10W	R9036	1-216-817-11	RES-CHIP	470	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< RESISTOR >				R9048	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9000	1-216-825-11	RES-CHIP	2.2K 5% 1/10W	R9049	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9001	1-216-825-11	RES-CHIP	2.2K 5% 1/10W	R9050	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9002	1-216-825-11	RES-CHIP	2.2K 5% 1/10W	R9051	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9003	1-216-805-11	RES-CHIP	47 5% 1/10W	R9052	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9004	1-216-805-11	RES-CHIP	47 5% 1/10W	R9053	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9005	1-216-805-11	RES-CHIP	47 5% 1/10W	R9054	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9006	1-216-805-11	RES-CHIP	47 5% 1/10W	R9055	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9007	1-216-805-11	RES-CHIP	47 5% 1/10W	R9056	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9008	1-216-805-11	RES-CHIP	47 5% 1/10W	R9057	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9009	1-216-805-11	RES-CHIP	47 5% 1/10W	R9058	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9010	1-216-805-11	RES-CHIP	47 5% 1/10W	R9059	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9011	1-216-809-11	RES-CHIP	100 5% 1/10W	R9060	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
R9012	1-218-827-11	METAL CHIP	150 0.5% 1/10W	R9062	1-216-864-11	SHORT 0	
R9013	1-216-805-11	RES-CHIP	47 5% 1/10W	*A-1646-258-A L Board, Complete			
R9014	1-216-821-11	RES-CHIP	1K 5% 1/10W	< CAPACITOR >			
R9015	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1001	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
R9016	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1002	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
R9017	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1003	1-126-964-11	ELECT 10UF	20.00% 50V
R9018	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1004	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
R9019	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1005	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9020	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1006	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R9021	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1007	1-126-964-11	ELECT 10UF	20.00% 50V
R9022	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1008	1-164-492-11	CERAMIC CHIP 0.15UF	10.00% 16V
R9023	1-216-821-11	RES-CHIP	1K 5% 1/10W	C1009	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
R9024	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V	C1010	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
R9025	1-216-805-11	RES-CHIP	47 5% 1/10W	C1011	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V
R9026	1-216-864-11	SHORT	0	C1012	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
R9027	1-216-805-11	RES-CHIP	47 5% 1/10W	C1013	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V
R9028	1-216-805-11	RES-CHIP	47 5% 1/10W	C1015	1-164-492-11	CERAMIC CHIP 0.15UF	10.00% 16V
R9029	1-216-805-11	RES-CHIP	47 5% 1/10W	C1016	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
R9030	1-216-805-11	RES-CHIP	47 5% 1/10W	C1017	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R9031	1-216-805-11	RES-CHIP	47 5% 1/10W	C1019	1-126-964-11	ELECT 10UF	20.00% 50V
R9032	1-216-805-11	RES-CHIP	47 5% 1/10W	C1023	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9033	1-216-805-11	RES-CHIP	47 5% 1/10W	C1024	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R9034	1-216-805-11	RES-CHIP	47 5% 1/10W	C1025	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R9035	1-216-805-11	RES-CHIP	47 5% 1/10W	C1026	1-126-964-11	ELECT 10UF	20.00% 50V
R9036	1-216-805-11	RES-CHIP	47 5% 1/10W	C1027	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V
R9037	1-216-805-11	RES-CHIP	47 5% 1/10W	C1028	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
R9038	1-216-805-11	RES-CHIP	47 5% 1/10W	C1029	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R9039	1-216-805-11	RES-CHIP	47 5% 1/10W	C1030	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
R9040	1-216-805-11	RES-CHIP	47 5% 1/10W	C1031	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9041	1-216-805-11	RES-CHIP	47 5% 1/10W	C1032	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9042	1-216-805-11	RES-CHIP	47 5% 1/10W	C1033	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R9043	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V	C1036	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
R9044	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V	C1037	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
R9045	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V	C1039	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9046	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V	C1040	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
R9047	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V				



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C1041	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V		< IC >		
C1042	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V				
C1043	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	IC1001	8-759-595-38	IC CSP1034AHJ-11-DB	
C1044	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	IC1004	8-759-697-47	IC AS7C256-20JCTR	
C1045	1-104-514-11	MYLAR 0.22UF	10.00% 250V	IC1005	8-759-697-47	IC AS7C256-20JCTR	
				IC1006	8-759-696-42	IC 1673TV8-28RDD-DB	
C1046	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	IC1009	6-800-883-01	IC M29F400BB-70N1-MOD2-V1	
C1047	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V				
C1048	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	ISO100	8-749-011-34	PHOTO COUPLER TLP181(TPR)	
C1049	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	ISO101	8-749-011-34	PHOTO COUPLER TLP181(TPR)	
C1052	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	ISO104	8-749-011-34	PHOTO COUPLER TLP181(TPR)	
				ISO105	8-719-054-40	PHOTO COUPLER TLP127(TPL)	
C1053	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V		< COIL >		
C1054	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V				
C1055	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V				
C1056	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	L1001	1-410-992-11	INDUCTOR 0.82UH	
C1057	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	L1002	1-410-992-11	INDUCTOR 0.82UH	
				L1003	1-410-992-11	INDUCTOR 0.82UH	
C1058	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	L1004	1-410-992-11	INDUCTOR 0.82UH	
C1059	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V		< TRANSISTOR >		
C1060	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V				
C1061	1-126-964-11	ELECT 10UF	20.00% 50V	Q1000	8-729-052-78	TRANSISTOR TISP4300M3BJ	
C1062	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	Q1001	8-729-056-21	TRANSISTOR PZTA42	
				Q1002	8-729-056-21	TRANSISTOR PZTA42	
C1063	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	Q1003	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1064	1-162-969-11	CERAMIC CHIP 0.0068UF	10.00% 25V	Q1004	1-801-806-11	TRANSISTOR DTC144EKA	
C1065	1-126-961-11	ELECT 2.2UF	20.00% 50V				
C1068	1-164-156-11	CERAMIC CHIP 0.1UF	25V	Q1005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1069	1-164-156-11	CERAMIC CHIP 0.1UF	25V	Q1006	1-801-806-11	TRANSISTOR DTC144EKA	
C1072	1-126-964-11	ELECT 10UF	20.00% 50V		< RESISTOR >		
C1074	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V				
C1075	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	R1002	1-216-793-11	RES-CHIP 4.7 5% 1/10W	
C1076	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	R1003	1-218-880-11	METAL CHIP 24K 0.5% 1/10W	
C1077	1-162-910-11	CERAMIC CHIP 5PF	0.25PF 50V	R1005	1-218-835-11	METAL CHIP 330 0.5% 1/10W	
				R1006	1-211-979-11	METAL CHIP 27 0.5% 1/10W	
C1078	1-162-910-11	CERAMIC CHIP 5PF	0.25PF 50V	R1007	1-218-824-11	METAL CHIP 110 0.5% 1/10W	
	< CONNECTOR >						
CN1000	1-785-720-11	JACK, TELEPHONE		R1008	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
CN1002	1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P		R1009	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
CN1004	1-779-961-11	PIN, CONNECTOR (WITH PWB) 10P		R1010	1-218-875-11	METAL CHIP 15K 0.5% 1/10W	
	< DIODE >			R1011	1-218-875-11	METAL CHIP 15K 0.5% 1/10W	
D1004	8-719-977-81	DIODE DTZ33B		R1012	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
D1005	8-719-064-76	DIODE MB6S					
D1008	8-719-058-24	DIODE RB501V-40TE-17		R1013	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
D1009	8-719-058-24	DIODE RB501V-40TE-17		R1014	1-218-865-11	METAL CHIP 5.6K 0.5% 1/10W	
	< FERRITE BEAD >			R1015	1-218-865-11	METAL CHIP 5.6K 0.5% 1/10W	
FB001	1-469-458-91	INDUCTOR 0UH		R1016	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
	< FILTER >			R1017	1-218-725-11	METAL CHIP 24K 0.5% 1/16W	
FL1005	1-469-458-91	INDUCTOR 0UH					
FL1006	1-469-458-91	INDUCTOR 0UH		R1018	1-218-725-11	METAL CHIP 24K 0.5% 1/16W	
				R1019	1-216-864-11	SHORT 0	
				R1021	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
				R1022	1-218-835-11	METAL CHIP 330 0.5% 1/10W	
				R1023	1-211-979-11	METAL CHIP 27 0.5% 1/10W	
				R1024	1-218-824-11	METAL CHIP 110 0.5% 1/10W	
				R1025	1-218-880-11	METAL CHIP 24K 0.5% 1/10W	

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

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REF.NO.	PART.NO	DESCRIPTION	REMARK
R1027	1-218-874-11	METAL CHIP	13K 0.5% 1/10W
R1028	1-218-874-11	METAL CHIP	13K 0.5% 1/10W
R1029	1-216-864-11	SHORT	0
R1034	1-216-864-11	SHORT	0
R1035	1-216-806-11	RES-CHIP	56 5% 1/10W
R1036	1-216-793-11	RES-CHIP	4.7 5% 1/10W
R1037	1-216-806-11	RES-CHIP	56 5% 1/10W
R1040	1-216-806-11	RES-CHIP	56 5% 1/10W
R1041	1-216-806-11	RES-CHIP	56 5% 1/10W
R1042	1-216-829-11	RES-CHIP	4.7K 5% 1/10W
R1050	1-216-845-11	RES-CHIP	100K 5% 1/10W
R1051	1-216-039-00	RES-CHIP	390 5% 1/10W
R1052	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1054	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1055	1-216-864-11	SHORT	0
R1056	1-216-864-11	SHORT	0
R1057	1-216-864-11	SHORT	0
R1058	1-216-828-11	RES-CHIP	3.9K 5% 1/10W
R1059	1-220-397-11	RES-CHIP	4.7M 5% 1/10W
R1061	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1062	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1064	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1065	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1066	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1067	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1069	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1070	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1071	1-216-837-11	RES-CHIP	22K 5% 1/10W
R1079	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1081	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1084	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1087	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1088	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1094	1-216-039-00	RES-CHIP	390 5% 1/10W
R1095	1-216-864-11	SHORT	0
R1097	1-216-845-11	RES-CHIP	100K 5% 1/10W
R1098	1-218-824-11	METAL CHIP	110 0.5% 1/10W
R1103	1-216-001-00	RES-CHIP	10 5% 1/10W
R1104	1-216-001-00	RES-CHIP	10 5% 1/10W
R1105	1-216-295-91	SHORT	0
R1106	1-216-833-11	RES-CHIP	10K 5% 1/10W
R1107	1-216-817-11	RES-CHIP	470 5% 1/10W
R1108	1-216-833-11	RES-CHIP	10K 5% 1/10W
< TRANSFORMER >			
T100	1-437-267-11	TRANSFORMER, ISOLATING	
< CRYSTAL >			
X1001	1-781-745-21	VIBRATOR, CRYSTAL	

REF.NO.	PART.NO	DESCRIPTION	REMARK
MISCELLANEOUS			
	1-529-408-11	SPEAKER (4.2X24CM)	
	1-424-855-11	COIL, CHOKE 29MMH	
Δ	1-776-204-12	CORD, POWER (FILTER)	
	8-598-535-12	FRONT END BTF-EF411	
	8-598-586-00	FRONT END BTD-DC402	
Δ	1-453-383-11	TRANSFORMER ASSY, FLYBACK (NX-4522//Z214)	
Δ	1-571-433-21	SWITCH, PUSH (AC POWER)	
Δ	1-451-480-11	DEFLECTION YOKE (Y32RVC2)	
	1-419-363-11	COIL, NA ROTATION	
	8-453-011-11	NECK ASSY, (NA299-M)	
Δ	1-424-888-11	COIL, DEGAUSSING	
Δ	1-251-317-63	CAP ASSY, HIGH-VOLTAGE	
Δ	8-735-079-05	PICTURE TUBE (W76LLZ060X)	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM \emptyset	
	1-425-032-00	MAGNET, DISK; 10MM \emptyset	
	1-529-155-11	SPEAKER (4.2X2.7CM)	
	1-544-968-11	SPEAKER (8CM)	
	1-823-154-11	CABLE	

ACCESSORIES AND PACKAGING MATERIALS			
	1-769-175-22	CABLE ANTENNA (WITH FILTER)	
*4-	206-145-01	BAG, PROTECTION	
*4-	206-143-01	CUSHION UPPER	
*4-	206-144-01	CUSHION LOWER	
*4-	206-142-01	INDIVIDUAL CARTON	
	4-206-381-51	INSTRUCTION MANUAL (FINNISH/SWEDISH)	
*A-	1674-196-A	MODEM ASSY	

REMOTE COMMANDER			
	1-476-808-11	COMMANDER, STANDARD (RM-935)	

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.

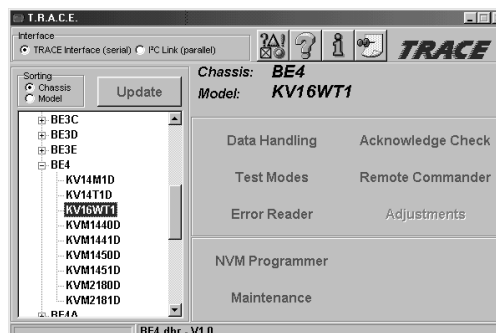
The TRACE software that is supplied with the interface allows you to:

- 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

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