

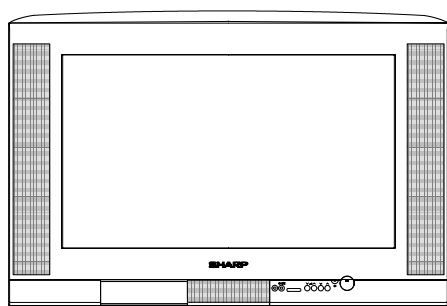
**SHARP****SERVICE MANUAL**

SEJB66GF63H00

Issued: 21st Dec 2000

**DA-50W CHASSIS**

PAL I SYSTEM COLOUR TELEVISION

**MODEL 66GF-63H**

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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**SHARP CORPORATION**

This document has been published to be used for after sales service only.

**SERVICE MANUAL UPDATE LOG SHEET**

<b>Technical Report No. Technical Bulletin No.</b>	<b>Cause / Solution</b>	<b>Part No.</b>	<b>Page No.</b>	<b>Application Data /Serial No.</b>

Use this page to keep any special servicing information as Technical Report (Bulletin), Technical Information, etc.  
If only part number changes are required, just change part number directly the part number in the Parts Listing Section.  
If you need more information, please refer to the Technical Report (Bulletin).

## ELECTRICAL SPECIFICATIONS

- Power Input ..... 220V-240 Volts AC 50Hz
- Power Consumption
  - Normal Operation .....88W
  - Stand-by Operation .....1W
- Audio Power Output Rating (MPO) / Impedance
  - Internal Left Speaker ..... 10W, 7 $\Omega$
  - Internal Right Speaker ..... 10W, 7 $\Omega$
  - Internal Centre Speaker ..... 10W, 7 $\Omega$
- Speakers
  - Left / Right ..... 6 x 12cm
  - Centre ..... 6 x 12cm
- White Level
 

Set brightness control to get total picture tube cathode current of 600 milliammeter under no signal condition. Maximum necessary correction of each picture tube cathode current to get 8900 degrees K-20 MPCD screen temperature should not exceed 15% of its original value.

**X=0.290          Y=0.284**
- Convergence
  - Static (Centre) .. between any two colours
  - Dynamic ..... after static equals zero
- Focus ..... High Bi-Potential Electrostatic
- Sweep Deflection ..... Magnetic
- Picture Intermediate frequency ..... 38.9MHz
- Sound Carrier Trap ..... 32.9MHz
- Adjacent Sound Carrier Trap ..... 40.9MHz
- Adjacent Picture Carrier Trap ..... 30.9MHz
- Aerial Input Impedance
  - VHF/UHF ..... 75 ohm Unbalanced
- Tuning Ranges ..... 45.75MHz thru 855.25 MHz  
CATV Special Channels

Specifications are subject to change without prior notice.

### WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.  
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

# IMPORTANT SERVICING NOTES

Only qualified service personnel are allowed to carry out maintenance and repair of this receiver.

## SERVICING OF HIGH VOLTAGE SYSTEM AND CRT

It is important that the static charge is removed from the high voltage system when carrying out work on the receiver. This can be achieved by connecting a 10K resistor (with a suitably insulated lead) from the CRT cavity connector to the CRT ground tag. This must be carried out with the AC supply disconnected from the receiver.

Note the following:

- The CRT in this receiver employs Integral Implosion Protection.
- If the CRT has to be changed it **MUST** be replaced with the correct type for continued safe working
- **DO NOT** lift the CRT by its neck.
- When handling the CRT, ensure that shatterproof goggles are worn.
- Ensure that the CRT is discharge before handling.

## X-RAY

This receiver is designed to keep any x-ray emission to an absolute minimum. Some fault conditions and servicing procedures may produce potentially hazardous x-ray radiation levels. This is a problem when in close proximity to the receiver for long periods of time. To reduce any risks associated with this, please observe the following precautions:

1. When undertaking any servicing on this chassis, **DO NOT** increase the EHT to more than 33 KV, (at a instantaneous beam current of 1800 $\mu$ A).
2. Ensure that during normal operation the EHT does not exceed 32KV $\pm$ 1.5KV (at a beam current of 1600 $\mu$ A). This level has been preset in the factory. Always check that this level has not been exceeded after carrying out any repair on the receiver.
3. **DO NOT** replace the CRT with any other type than that specified in the parts listing as this may cause excessive x-ray radiation.

## BEFORE RETURNING THE RECEIVER TO THE CUSTOMER

In addition to the above checks, the following should also be carried out before returning the receiver to the customer.

1. Inspect all the leads to ensure that they are dressed correctly and that they are not obstructed or pinched by any other parts.
2. Ensure that all protective devices are in good condition. These will include nonmetallic control knobs, insulating fish papers, cabinets backs, compartment covers or shields, mechanical insulators, etc.

## ADJUSTMENT PROCEDURES

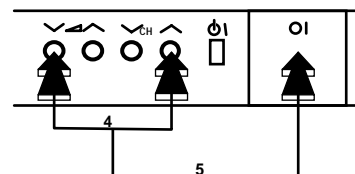
All adjustments to this chassis, except for focus, are carried out in the service mode.

### • SERVICE MODE

The service mode is provided to enable the engineer to correctly set up the receiver to the CRT fitted in the set. Note that these adjustments may vary from one receiver to another.

To enter the service mode, carry out the following procedure.

1. Connect a test pattern to the antenna terminal.
2. Tune the receiver to this signal.
3. Turn the receiver off using the mains switch.
4. Press volume down and channel up buttons on the front of the receiver at the same time.
5. Keeping these buttons pressed, turn the mains on.
6. When the set starts up it will be in service mode.
7. Release the two buttons.



- Use the channel up and down buttons to move between the options.
- Use the volume control buttons to change the data.
- To store the data, use the stand-by button on the remote control.
- To exit the service mode, turn the receiver off using the mains switch.

When the service mode is entered the following On Screen Display appears

-SERVICE SOFTWARE AND HEXADECIMAL COUNTER DISPLAY:  
SW ON XXXX SW OFF XXXX HOURS ON XXXX

The figures displayed in the XXXX locations are hexadecimal representations of the number of times that particular function has been executed. For example if the hexadecimal number displayed after SW ON was 0E4A, this would correspond to the receiver being turned on 3658 times.

### Adjustment menu:

The following adjustments can be carried out in the service mode.

- |                      |                               |
|----------------------|-------------------------------|
| • Horizontal Shift   | • Green Cut Off               |
| • East West Width    | • Blue Cut Off                |
| • Pin Phase          | • Alter NVM Page              |
| • Pin Amp            | • Alter NVM Position          |
| • Corner Amplitude   | • Alter NVM Value             |
| • Corner Symmetry    | • Teletext Mix Mode Contrast  |
| • Vertical Linearity | • Teletext Contrast           |
| • Vertical Amplitude | • OSD Contrast                |
| • S Correction       | • DVCO Adjustment (Only NTSC) |
| • Vertical Shift     | • DVCO Adjustment (Only PAL)  |
| • Red Gain           | • AGC Adjustment              |
| • Green Gain         | • AFT Adjustment              |
| • Blue Gain          | • OPC Value                   |
| • Red Cut Off        | • Auto Installation On/Off    |

### Geometry Adjustments

All geometry adjustments are based on an internally generated test pattern as shown in figure 1. When carrying out any of the above geometry adjustments, use the internally generated test pattern for guidance.

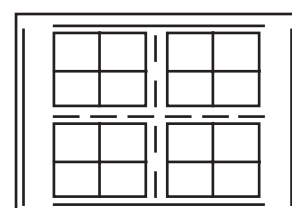


Fig.1

Note that the receiver should be set to FULL MODE before carrying out any geometry adjustments. This can be achieved by pressing the widescreen mode button on the remote control until FULL MODE appears on the OSD. This can only be done out of the service mode.

The following geometry adjustments can be carried out. Detailed instructions on how to execute these are given on the following pages

### Horizontal

- Horizontal Shift
- E-W Width
- Pin Phase
- Pin Amp
- Upper Corner Amplitude
- Lower Corner Symmetry

### Vertical

- Vertical Amplitude
- Vertical Shift
- S Correction
- Vertical Linearity

Just in case the the TV set requires a full geometries adjustment, please proceed first with Vertical according to the above order, and after that, adjust Horizontal according to the above order.

#### Horizontal Shift

Adjust the horizontal shift so that the picture is centred.

The effect of this adjustment is shown in figure 2.

- When the volume up button is pressed, the picture moves to the left.
- When the volume down button is pressed, the picture moves to the right.
- Press the stand-by button on the remote control to store.

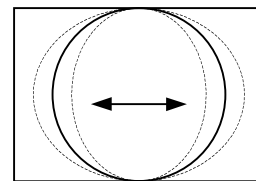


Fig.2

#### E-W Width

Adjust the E-W Width so that 9% over-scan is achieved.

The effect of this adjustment is shown in figure 3.

- When the volume up button is pressed, horizontal scanning increases.
- When the volume down button is pressed, horizontal scanning decreases.
- Press the stand-by button on the remote control to store.

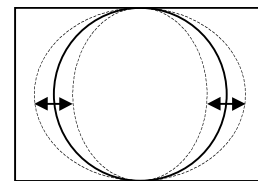


Fig.3

#### Pin Phase

Adjust the Pin Phase so that the picture is symmetrical top and bottom.

The effect of this adjustment is shown in figure 4.

- When the volume up button is pressed, side pincushion changes.
- When the volume down button is pressed, side pincushion changes.
- Press the stand-by button on the remote control to store.

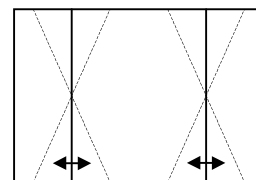


Fig.4

#### Pin Amp

Adjust the Pin Amplitude so that the picture is centred.

The effect of this adjustment is shown in figure 5.

- When the volume up button is pressed, side pincushion changes from pincushion to barrel shape.
- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

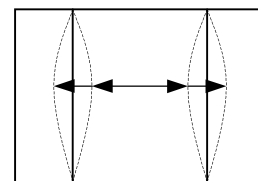


Fig.5

#### Corner Amplitude

Adjust the Corner Amplitude so that the picture is centred.

The effect of this adjustment is shown in figure 6.

Note: This adjustment affects to upper and lower sides.

- When the volume up button is pressed, side pincushion changes from pincushion to

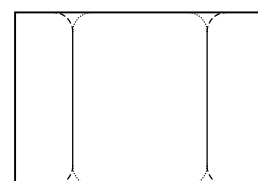


Fig.6

barrel shape.

- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

### Corner Symmetry

Adjust the Corner Symmetry so that the picture is centred.

The effect of this adjustment is shown in figure 7.

Note: This adjustment affects to upper and lower sides.

- When the volume up button is pressed, side pincushion changes from pincushion to barrel shape.
- When the volume down button is pressed, side pincushion changes from pincushion to barrel shape.
- Press the stand-by button on the remote control to store.

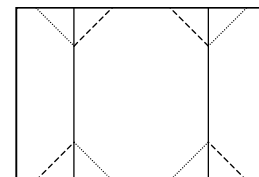


Fig.7

### Vertical Linearity

Adjust the Vertical Linearity so that the upper and lower parts of the picture are symmetrical.

The effect of this adjustment is shown in figure 8.

- When the volume up button is pressed, the upper picture scanning decreases and the lower picture scanning increases.
- When the volume down button is pressed, the upper picture scanning increases and the lower picture scanning decreases.
- Press the stand-by button on the remote control to store.

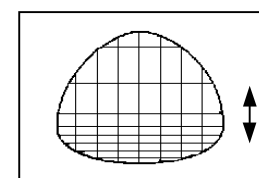


Fig.8

### Vertical Amplitude

Adjust the Vertical Amplitude so that the picture is over-scanned.

The effect of this adjustment is shown in figure 9.

- When the volume up button is pressed, the vertical size of the picture increases.
- When the volume down button is pressed, the vertical size of the picture decreases.
- Press the stand-by button on the remote control to store.

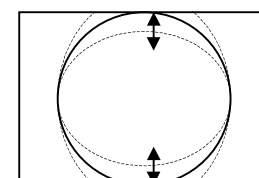


Fig.9

### S Correction

Adjust the S Correction so that the picture symmetrical between the top, centre and bottom.

The effect of this adjustment is shown in figure 10.

- When the volume up button is pressed, the top and bottom scanning increases and the centre scanning decreases.
- When the volume down button is pressed the top and bottom scanning decreases and the centre scanning increases.
- Press the stand-by button on the remote control to store.

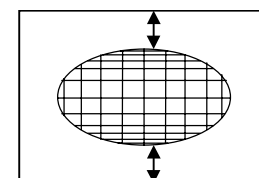


Fig.10

### Vertical Shift

Adjust the Vertical Shift so that the picture is centred.

The effect of this adjustment is shown in figure 11.

- When the volume up button is pressed, the picture moves up.
- When the volume down button is pressed, the picture moves down.
- Press the stand-by button on the remote control to store.

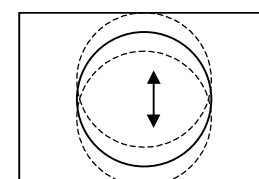


Fig.11

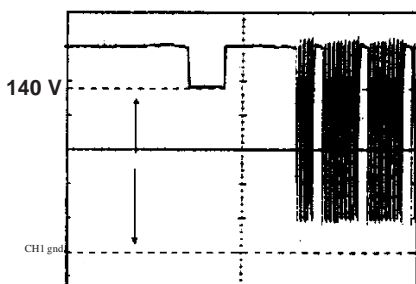
**Colour Adjustments**

The following adjustments should only be carried out when the CRT, IC801 or IC801 are replaced.

**G2, Cut Off and Gain Adjustments**

**1. Follow the procedure below to set the G2**

- 1.1 Tune the set to the output of a signal generator (cross hatch pattern).
- 1.2 In the user menu, set contrast to 80/100 and brightness to 40/100.
- 1.3 Connect the oscilloscope to the red cathode and adjust G2 to read 140V on the sensor pulse as in the drawing:



**NOTE:**  
Oscilloscope should be adjusted for vertical TV field trigger and synchronized with video signal.

**2. Follow the procedure below to set the Cut Off.**

- 2.1 Adjust G2.
- 2.2 Tune a white card.
- 2.3 Adjust colour to minimum.
- 2.4 Position colorimeter in the centre of screen.
- 2.5 Adjust brightness and contrast to obtain a luminance of  $\approx 20$  NITS.
- 2.6 Operate in Service Mode and select location RED CUT OFF, GREEN CUT OFF and BLUE CUT OFF, to obtain colour coordinates:

$$X=0.290 \pm 0.015 \quad Y=0.284 \pm 0.015$$

To increase press volume-up button and to decrease press volume down button.

- RED CUT OFF      alter «X» coordinate.
- GREEN CUT OFF    alter «Y» coordinate.
- BLUE CUT OFF     alter «X» and «Y» coordinate.

**3. Follow the procedure below to set the GAIN.**

- 3.1 Using brightness and contrast buttons, select a luminance of  $\approx 120$  NITS.
- 3.2 Operate in Service Mode and select location RED GAIN, GREEN GAIN and BLUE GAIN, to obtain colour coordinates:

$$X=0.290 \pm 0.015 \quad Y=0.284 \pm 0.015$$

To increase press volume-up button and to decrease press volume down button.

- RED CUT OFF      alter «X» coordinate.
- GREEN CUT OFF    alter «Y» coordinate.
- BLUE CUT OFF     alter «X» and «Y» coordinate.

3.3 Exit Service Mode and check colour coordinates «X» and «Y» at 20 and 120 NITS. It may be necessary to repeat procedure 2 and 3 of Colour Adjustments.

**G2, Cut Off and Gain Adjustments (alternative method).**

In the event off a Colorimeter not being available, please follow the following procedures to obtain correct G2 and Grey scale settings.

- 1. Tune the set to the output of a RF signal generator (cross hatch pattern).
- 2. In the user menu, set the picture levels to the FACTORY settings.
- 3. In the user menu, set the tint control to its central position.
- 4. Enter the service mode.
- 5. Set the ABL levels in the NVM by adjusting positions 60, 61, 62, 63, 64 and 65 on page 00 to read 80. Store each location by pressing the stand-by button on the remote control.
- 6. Adjust the G2 and grey scale as below.

When adjusting the grey scale the following boxes will appear on the screen.

	(RED)	(GREEN)	(BLUE)
(GAIN)	**	**	**
(CUT OFF)	e.g. 70	**	**

i. Using cross hatch pattern set the G2 so that the display in the Red cut off box reads between 60 and 80 as above.

**NB.** When adjusting the grey scale, the figures displayed in the boxes are an indication of the CRT's performance only. The data to be adjusted is contained in the box at the bottom right corner of the picture.

ii. Select a grey scale signal, then set the Red Cut-off level to 32 and the Red-Gain to 50.

iii. Leave the Red Cut-off and Gain as above and adjust Green and Blue Cut-off and Gain to achieve correct grey scale tracking. As with all grey scale adjustments it will be necessary to readjust the settings to achieve good tracking.



## Changing NVM Data

To change the data contained within the Non Volatile Memory, it is necessary to first select the page the data is stored in, then the position and finally to change the data itself. The procedure below outlines this process.

1. While on ALTER NVM PAGE, use the volume up/down buttons to change this data (data is shown in hexadecimal format).
2. Press the channel up button and ALTER NVM POSITION appears, use the volume up/down buttons to change this data (data is shown in hexadecimal format).
3. Press the channel up button and ALTER NVM VALUE appears, use the volume up/down buttons to change this data (data is shown in hexadecimal format).
4. Once this data has been set, press the standby button to store.
5. If another NVM value has to be changed, use the channel down button to select the page or position and repeat as necessary.

### Note:

**DO NOT** change any NVM data, unless you have been advised to do so by a Sharp representative. If data is incorrectly changed, serious damage may occur to the receiver.

### Procedure to re-set the NVM:

Modify the NVM values as in the below table.

NVM Page	NVM Position	Default Value	New value
00	7E	A5	A6
0C	20	Different on every set	Default value + 1
0C	61	Different on every set	Default value + 1
0D	3C	Different on every set	Default value + 1
0D	A5	Different on every set	Default value + 1

All the above values are hexadecimal.

### Contrast Adjustments

Three types of contrast levels can be varied as listed below:

- TELETEXT MIX MODE CONTRAST
- TELETEXT CONTRAST
- OSD CONTRAST

Use the volume up/down buttons to adjust to a suitable level, then press the standby button to store.

### DVCO Adjustment (PAL)

Carry out the DVCO Adjustment (PAL) as shown below:

1. Receive a Phillips pattern signal.
2. While in the DVCO ADJUSTMENT (PAL) menu, press the standby button.
3. The adjustment will be carried out automatically and stored.

### DVCO Adjustment (NTSC)

No adjustment required.

### Auto Installation On/Off

To return the receiver to the original Auto Installation mode, using the volume up or down button, set the Auto Installation On/Off to On. This setting is automatically stored and when the receiver is turned on the next time it will start up in Auto Installation mode.

### AGC Adjustment

To correctly align the Automatic Gain Control, follow the procedure outlined below:

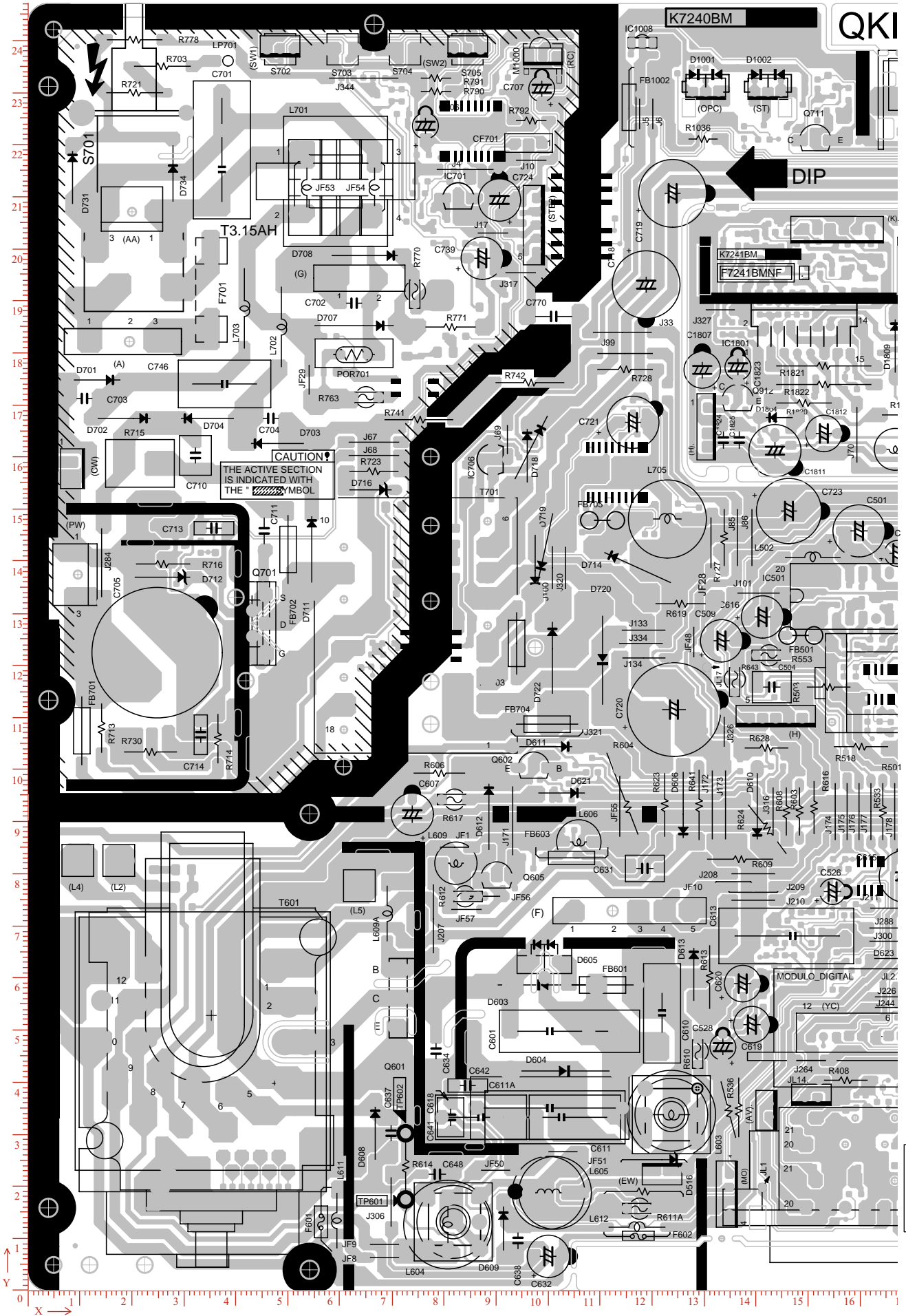
1. Tune the set into a pattern generator on CH10.
2. Adjust the signal strength of the pattern generator to 57uV
3. Enter the service mode.
4. Enter the AGC Adjustment menu.
5. Press the standby button on the remote control.
6. The adjustment will be carried out and stored automatically.

### AFT Adjustment

To correctly align the Automatic Fine Tune, follow the procedure outlined below:

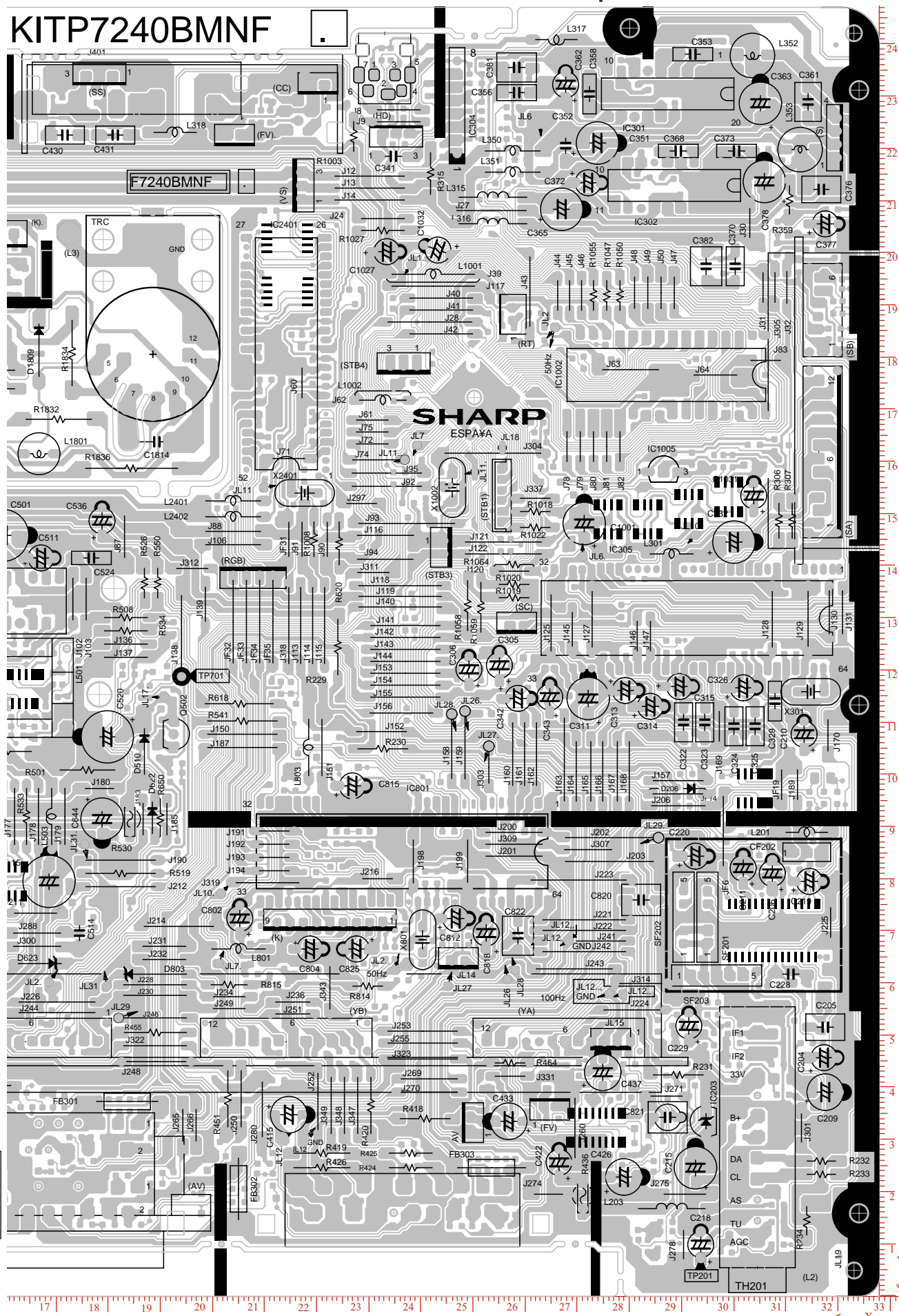
1. Tune the set into a pattern generator on CH69.
2. Enter the service mode.
3. Enter the AFT Adjustment menu.
4. Press the standby button on the remote control.
5. The adjustment will be carried out and stored automatically.

MOTHER UNIT PRINTED WIRING BOARD. Component side.



MOTHER UNIT PRINTED WIRING BOARD. Component side.

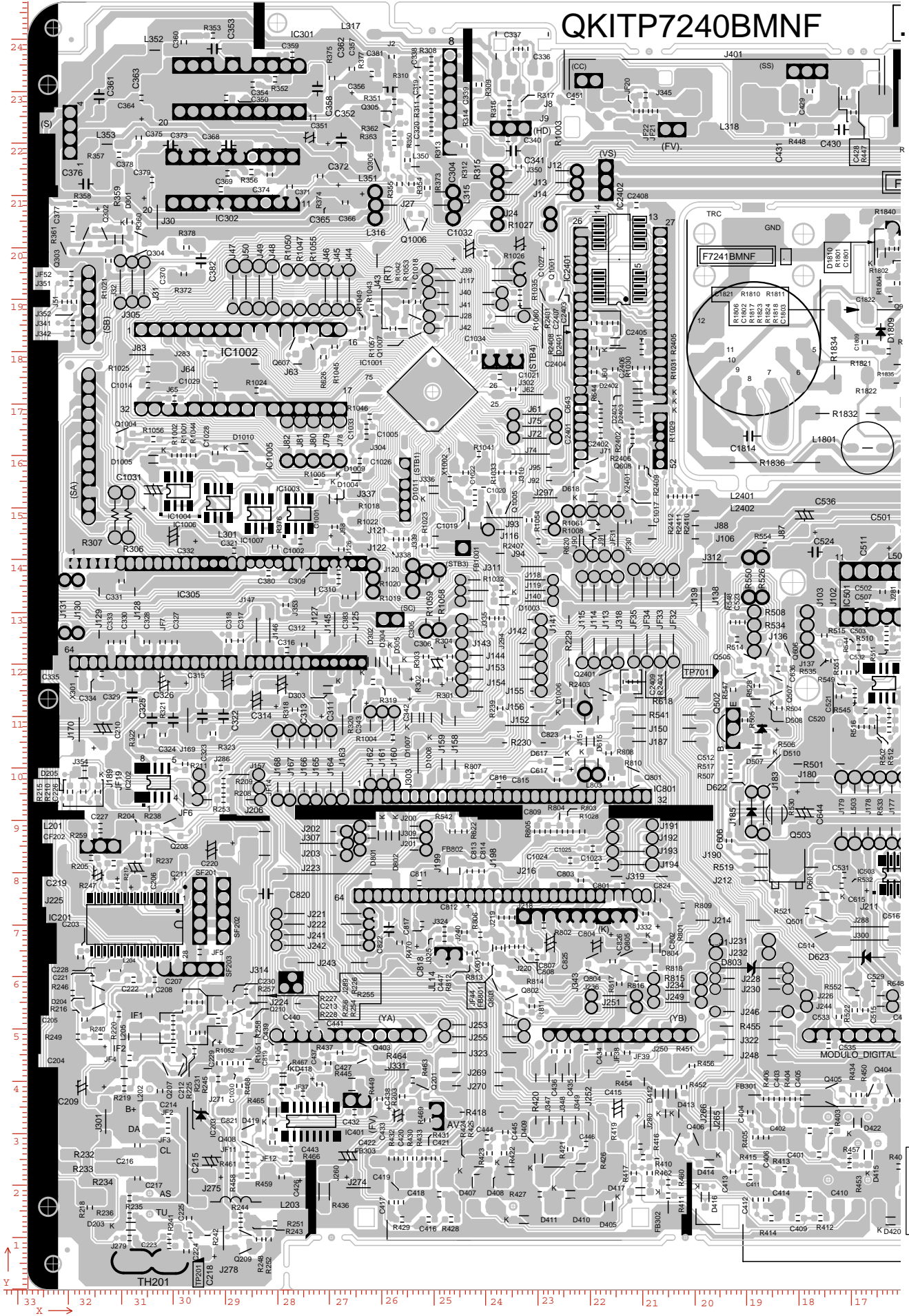
KITP7240BMNF



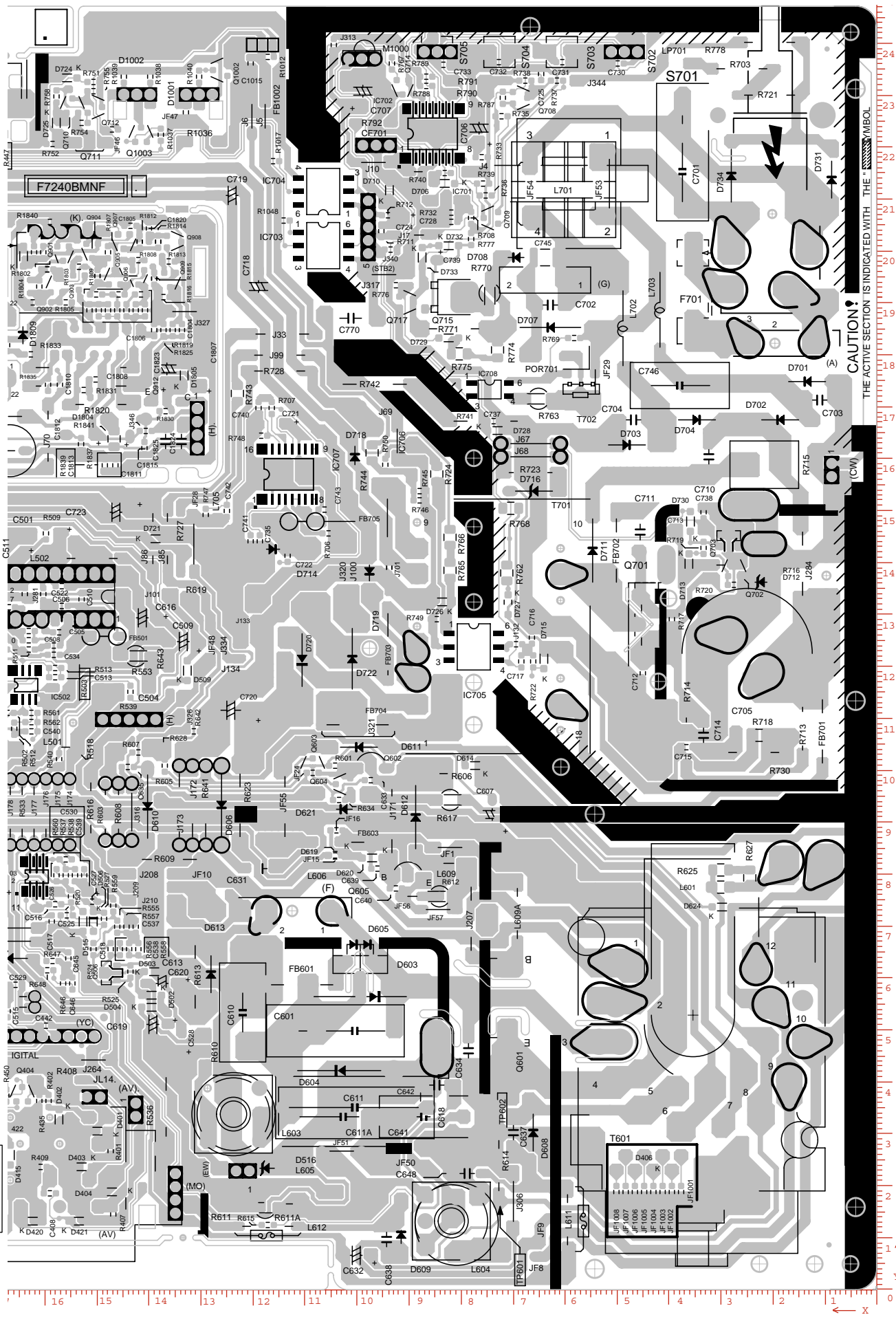
Page 10

MOTHER UNIT PRINTED WIRING BOARD. Copper side.

QKITP7240BMNF

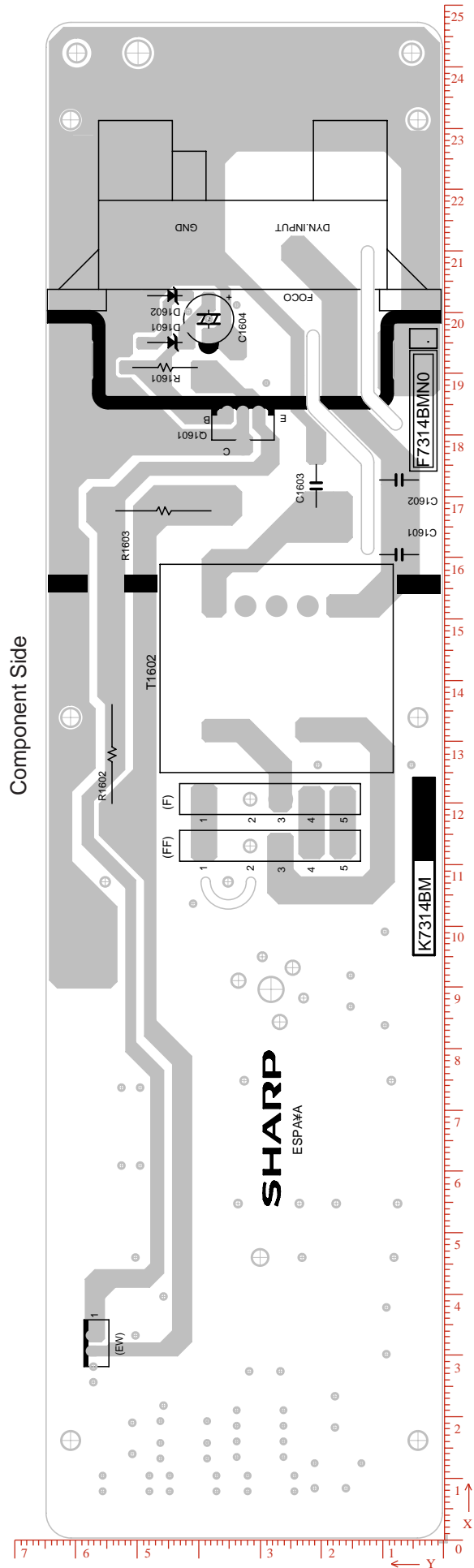
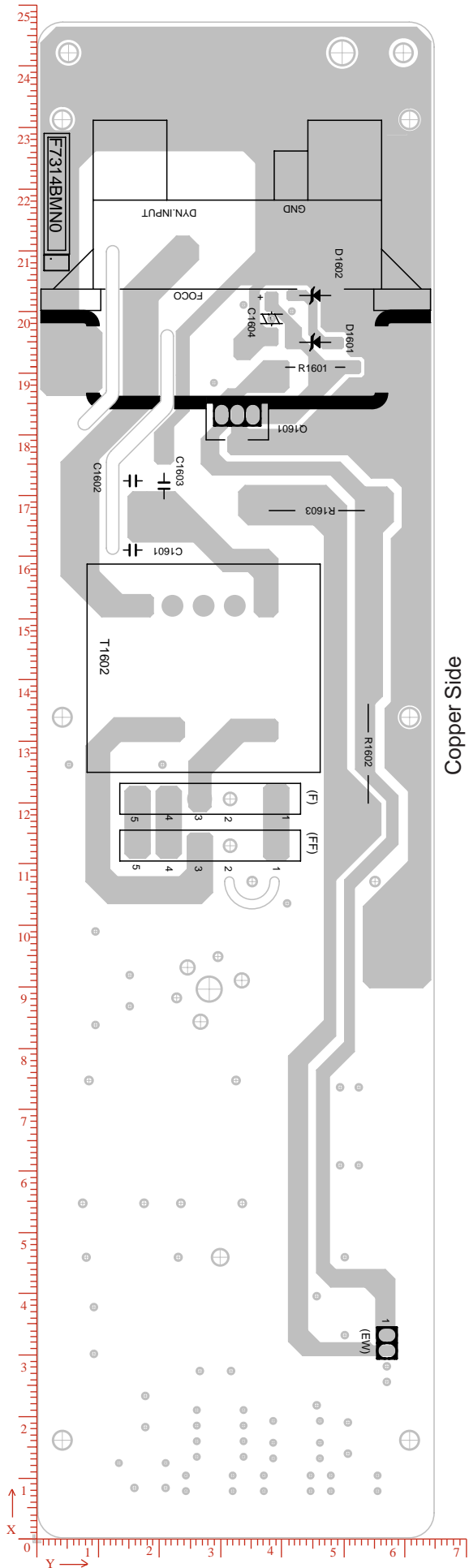


# MOTHER UNIT PRINTED WIRING BOARD. Copper side.

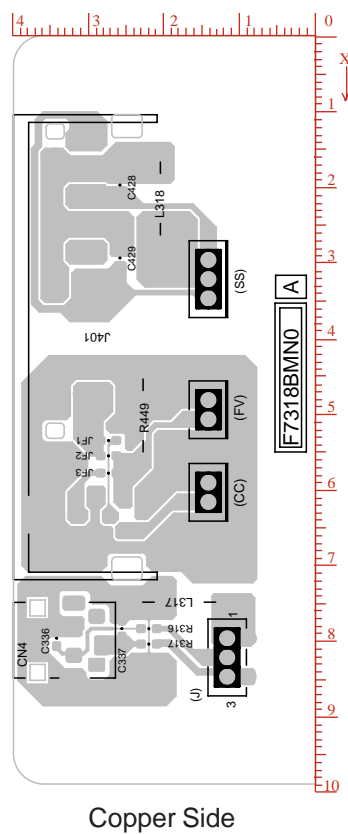
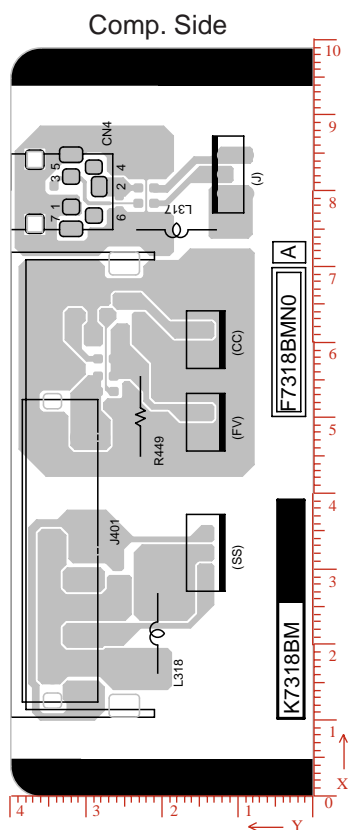


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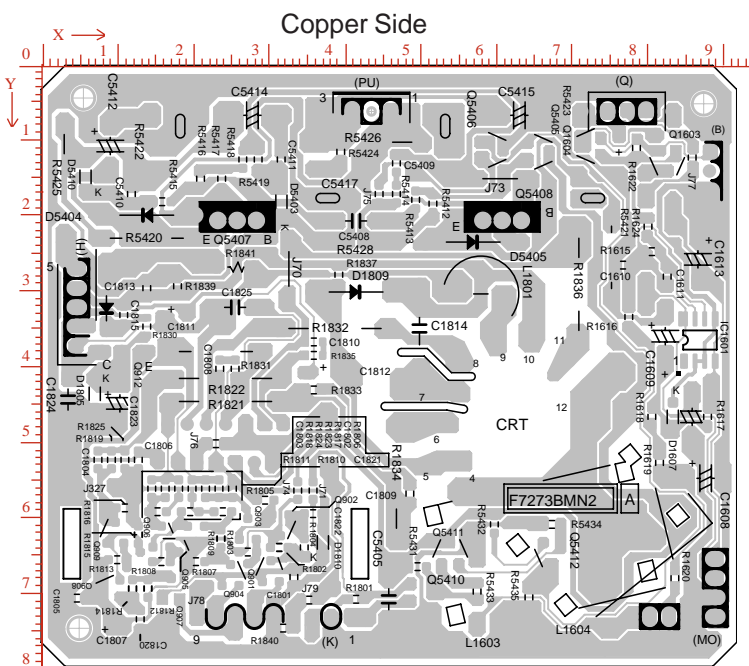
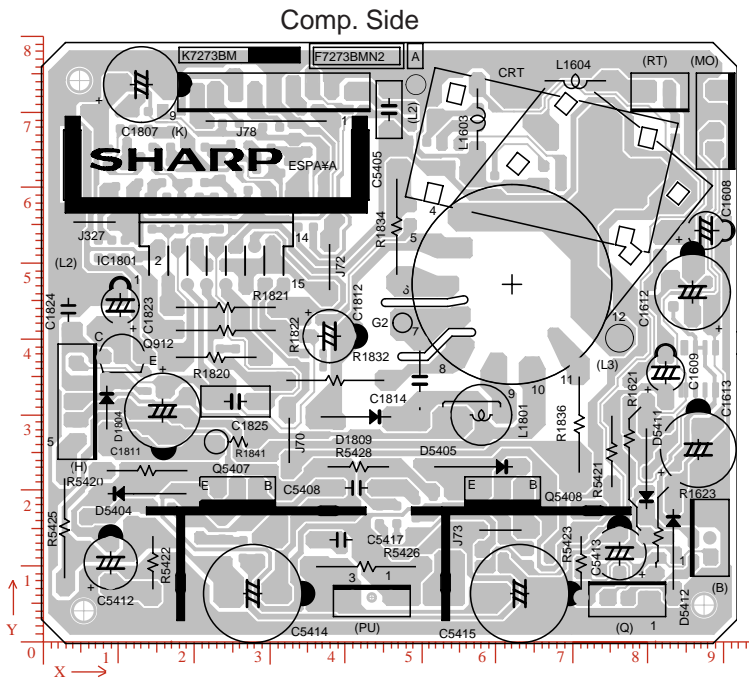
DYNAMIC FOCUS UNIT PRINTED WIRING BOARDS.



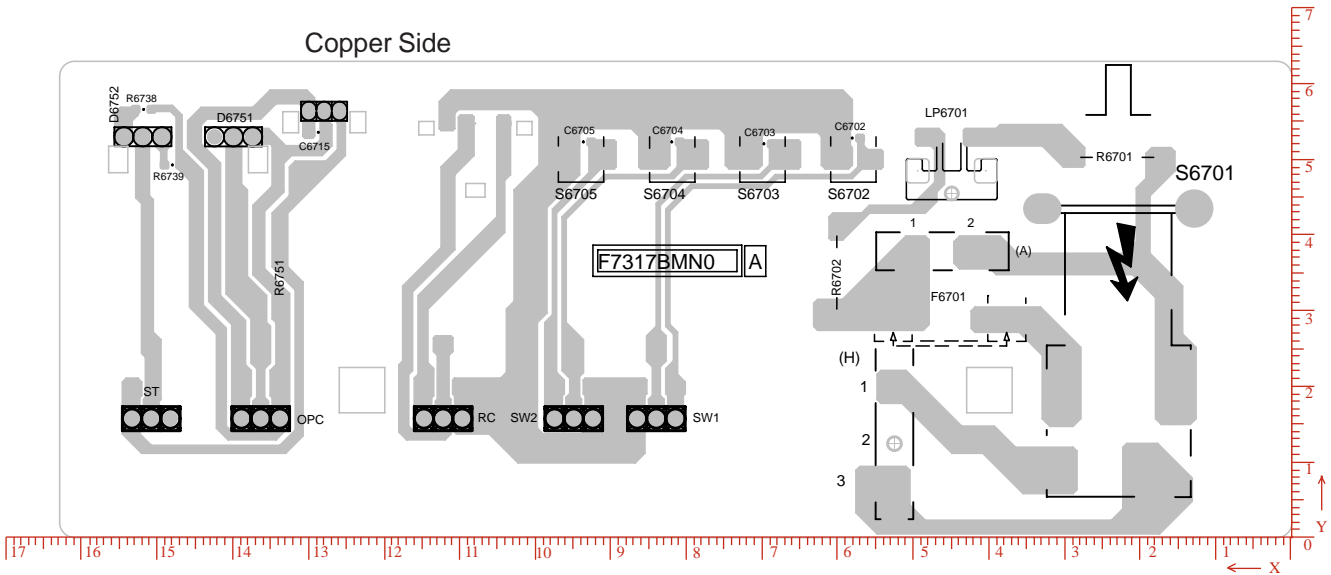
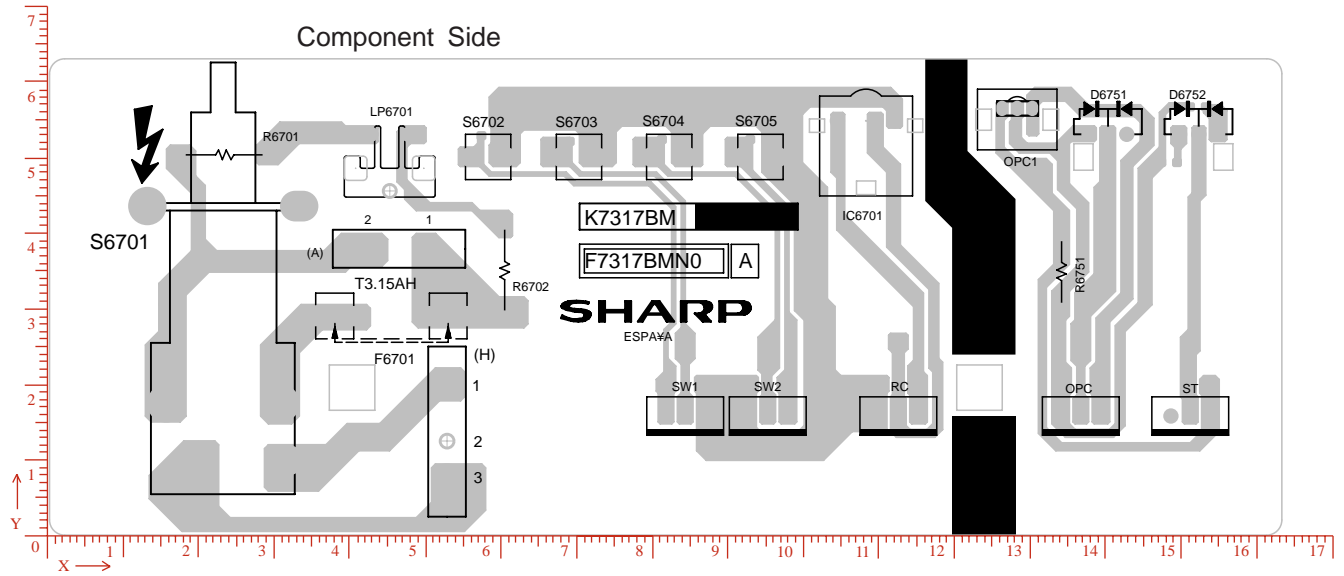
FRONT A/V UNIT PRINTED WIRING BOARDS.



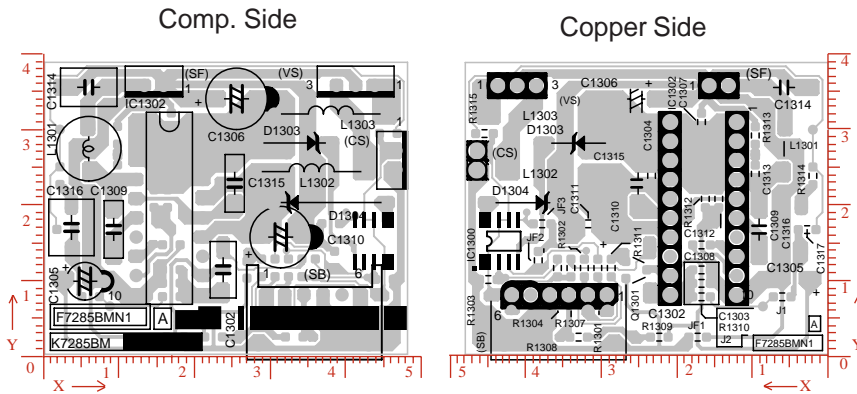
CRT MODULE UNIT PRINTED WIRING BOARDS.



POWER SWITCH UNIT PRINTED WIRING BOARDS.



CENTRAL SPEAKER UNIT PRINTED WIRING BOARDS.





### MOTHER UNIT (F7240NF) PWB COMPONENT LOCATION TABLES.

Component Side.

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(A)	19558	182118	C218	293624	9906	C514	174498	69596	C815	226822	97790	FB303	253492	24638	J136	183388	124968
(AA)	20066	207010	C219	314452	79502	C520	179832	107188	C818	252476	69596	FB501	148590	125730	J137	183388	122428
(AV)	166649	12496	C220	292608	84328	C524	176784	141478	C820	282194	75946	FB601	110490	58674	J138	194056	127000
(AV.)	142494	34620	C228	310896	61722	C526	154686	76581	C821	287274	34290	FB603	104521	86106	J139	198628	132588
(CC)	220218	231902	C229	291338	51816	C528	133604	46736	C822	258572	69088	FB701	10414	107442	J14	230124	210058
(CW)	8636	157734	C305	255016	120904	C536	178816	148590	C825	227584	66548	FB702	50038	142240	J140	235966	132080
(EW)	121920	22860	C306	249174	120142	C601	100330	49784	CF202	313944	85090	FB703	93980	124206	J141	236982	128524
(F)	104902	72898	C311	272034	114554	C607	73914	91440	CF701	96266	220218	FB704	99822	108712	J142	236982	126238
(FV)	264668	36322	C313	279146	116078	C610	121920	53340	CN3	232994	241985	FB705	110490	147828	J143	236982	123952
(FV.)	204216	222504	C314	283972	113030	C611	102616	33274	D1001	130301	229997	IC1002	287020	176530	J144	236982	121666
(G)	63754	194310	C315	289560	116840	C611A	100330	35052	D1002	142290	229997	IC1005	286512	157988	J145	268986	127762
(H)	143764	109728	C322	290322	109982	C613	147066	68072	D1804	144373	167538	IC1008	118110	239471	J146	281432	126492
(H.)	130657	165760	C323	294386	109982	C615	168656	79502	D1809	166725	181254	IC1801	149199	190398	J147	283972	126492
(HD)	235204	222758	C324	299974	109220	C616	141224	129286	D510	186944	104394	IC203	294640	33528	J150	205740	107696
(K)	222504	71628	C325	304038	109220	C618	81280	33274	D516	120396	23368	IC2401	214122	180594	J151	220980	105156
(K.)	155549	203606	C326	301752	116586	C619	139192	51054	D603	98806	58674	IC2402	214376	197612	J152	232410	108204
(L2)	314960	6858	C329	307848	114046	C620	137414	58928	D604	103378	42164	IC301	287274	230378	J153	236982	119380
(MO)	134874	18542	C332	299974	144526	C631	118618	81026	D605	99314	59944	IC302	288544	212852	J154	236982	117094
(PW)	9652	137414	C341	234696	218440	C632	100076	6604	D606	125984	93218	IC304	246888	227838	J155	236982	114808
(RGB.)	236474	18542	C342	258572	114554	C634	78486	45974	D608	66802	30226	IC305	291338	129794	J156	236220	111760
(RT)	257606	188163	C343	264668	114808	C637	69850	30226	D609	91440	11938	IC501	159258	133350	J157	289306	98806
(S)	319786	221996	C351	273812	220980	C638	94234	9652	D610	140208	92964	IC701	82804	209550	J158	245872	104902
(SA)	316230	161798	C352	267716	220472	C641	87122	33274	D611	99568	104394	IC706	89408	159512	J159	248412	105156
(SB)	316230	188976	C353	292100	237998	C642	84582	39370	D612	88646	90932	IC801	236728	85090	J160	257556	103886
(SC)	258318	128524	C356	258318	230632	C644	178816	91440	D613	128016	60706	J10	96774	216916	J161	259842	103886
(SS)	178308	233680	C358	272288	230378	C648	78740	22352	D621	102616	95504	J100	100838	138684	J162	262127	103886
(STB1)	255473	153466	C361	314198	228854	C701	37338	215138	D622	188976	91694	J101	140462	133858	J163	267462	102870
(STB2)	97790	204470	C362	267716	232156	C702	62738	189484	D623	166878	63754	J102	173228	133604	J164	269748	100584
(STB3)	244348	143510	C363	305054	228600	C703	10922	171196	D701	13360	174752	J103	175768	133604	J165	272542	100584
(STB4)	236651	178231	C365	266954	208280	C704	46736	167386	D702	18542	167386	J106	203962	144018	J166	274828	100584
(VS)	216916	212852	C368	289306	219456	C705	24892	122428	D703	48006	162560	J113	216916	128524	J167	277622	100584
AV	249428	33274	C370	300228	197358	C706	76454	223520	D704	34544	167386	J114	219202	128524	J168	279908	100584
C1001	271272	148082	C372	272034	213360	C707	98806	230632	D707	62738	185166	J115	221488	128524	J169	297180	109220
C1027	233426	200152	C373	300482	219456	C710	32258	160274	D708	64770	198628	J116	233172	145796	J17	89408	202946
C1031	303784	153416	C376	316738	212090	C711	45466	145796	D711	54610	142240	J117	242316	193548	J170	318008	107442
C1032	243078	199644	C377	317500	205486	C713	35814	146304	D712	25908	136906	J118	235966	136144	J171	93218	90170
C1807	129641	176682	C378	305816	213614	C714	33274	106680	D714	117856	142494	J119	235966	134112	J172	131572	93218
C1811	143611	161188	C381	258318	235458	C718	118872	193040	D716	65887	153670	J12	230124	214630	J173	134112	93218
C1812	153009	164490	C382	294640	197358	C719	123952	210566	D718	96012	160274	J120	257810	138938	J174	155194	91948
C1814	189331	163728	C415	214630	34798	C720	124206	111506	D719	97536	139954	J121	255778	144526	J175	157480	91948
C1823	136499	177190	C422	266446	25654	C721	116332	166624	D720	110490	120904	J122	255778	142240	J176	159766	91948
C1824	133705	163220	C426	278892	22860	C723	146304	149606	D722	100838	121412	J125	264922	129032	J177	162052	91948
C1825	136753	163220	C430	171704	222504	C724	90678	209296	D731	8636	213614	J127	272796	129794	J178	166624	91948
C204	317246	45720	C431	181356	222504	C739	87376	198120	D734	27940	214376	J128	307340	129794	J179	171704	91948
C205	317500	51562	C433	256794	33528	C745	63754	198628	D803	188976	61722	J129	314198	129794	J180	178308	97282
C206	307340	81026	C437	274828	42926	C746	37846	173990	F701	35306	192024	J13	230124	212344	J183	186690	91440
C209	317500	39116	C501	159766	145796	C770	101092	186944	FB1	35306	52832	J130	318262	131063	J185	191262	91440
C210	313436	107696	C504	143002	115824	C802	205232	72390	FB1002	117602	227076	J131	320802	131063	J187	205740	105156
C211	301752	82042	C509	133350	124714	C804	218694	66548	FB301	183642	37338	J133	118364	126746	J189	312166	98044
C215	292608	24638	C511	167132	141478	C812	246634	72390	FB302	204978	20574	J134	118364	121412	J190	182372	83566

## MOTHER UNIT (F7240NF) PWB COMPONENT LOCATION TABLES.

## Component Side.

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
J191	211836	89154	J270	241554	39116	J44	266192	191770	JF34	209042	129286	L315	253746	210566	R1050	278130	191770
J192	211836	86614	J271	287020	38354	J45	268478	191770	JF35	211582	129286	L316	253746	205486	R1055	273050	191770
J193	211836	84074	J274	264414	19558	J46	270764	191770	JF48	128016	124460	L317	265938	240792	R1058	248920	132334
J194	211836	81534	J275	290576	19558	J47	288544	192278	JF50	89916	23114	L318	192786	223012	R1059	251460	132029
J198	238506	83312	J278	290322	9906	J48	280924	192278	JF51	102870	26670	L350	257556	219456	R1820	149199	170332
J199	248920	83312	J28	241681	186690	J49	283464	192278	JF53	53594	211836	L351	257556	215392	R1821	153009	177444
J200	257810	88900	J280	209550	35814	J5	117602	225806	JF54	66802	211836	L352	303530	237744	R1822	153009	173888
J201	257810	84328	J284	14224	139700	J50	286004	192278	JF55	113792	93218	L353	312674	219710	R1832	170535	168046
J202	276098	87884	J288	166370	69596	J6	120142	225806	JF56	87884	75692	L501	163322	116586	R1834	173075	180746
J203	276098	83312	J297	228600	151892	J60	217170	175006	JF57	84328	73152	L502	150876	140716	R1836	184505	158648
J206	289306	93980	J30	303022	205740	J61	230632	167894	JF6	297942	89154	L503	169164	91948	R229	224028	124460
J207	77978	71374	J300	166370	67056	J62	232664	171704	JF8	68580	6350	L603	123698	33782	R230	232664	104902
J208	139446	80010	J301	312928	32258	J63	280162	177546	JF9	68580	8890	L603A	123698	33782	R231	289306	42418
J209	139446	77470	J303	252984	101346	J64	296418	176530	JL1	141224	19812	L604	81788	13208	R232	316738	25908
J210	139446	74930	J304	253746	161544	J67	66548	162814	JL1.	237998	197612	L604A	80772	12700	R233	316738	23368
J211	166116	73406	J305	307848	193294	J68	66548	160274	JL10	292608	145796	L605	100076	18796	R234	313944	14478
J212	182372	78486	J306	69850	17018	J69	92202	163322	JL10.	201676	77216	L606	105918	86106	R306	308610	148590
J214	193548	70866	J307	272034	85598	J70	159359	164236	JL11	209804	154940	L609	82296	82042	R307	311150	148590
J216	231648	80010	J309	257810	86614	J71	214630	160528	JL11.	250291	157911	L609A	69088	72390	R315	241808	215138
J221	271272	72136	J31	305562	193294	J72	230632	163322	JL11..	236880	160274	L611	59436	13462	R359	310642	210058
J222	271272	70104	J311	230886	138684	J74	231394	160274	JL12	213360	30226	L612	117094	12192	R408	157226	40386
J223	270256	79756	J312	196088	139446	J75	230632	165608	JL12,	262382	68072	L701	60172	211658	R418	240792	34036
J224	280416	54864	J314	282194	59944	J78	267970	162814	JL12,,	268224	68072	L701A1	59182	212852	R419	220980	27432
J225	318516	71628	J316	143256	91948	J79	270510	162814	JL12.	217424	30226	L702	48768	184912	R420	230378	36576
J226	170180	56388	J317	94742	195326	J8	235712	227330	JL12.,	278638	57912	L703	41656	188468	R424	237998	24638
J228	188976	59690	J318	214630	128524	J80	273050	162814	JL12...,	276098	57912	L705	122936	148082	R425	237998	27432
J230	188976	57658	J319	210540	79248	J81	275590	162814	JL14	247142	64262	L801	204978	66548	R426	220980	24638
J231	190754	67056	J32	310134	193294	J82	278130	162814	JL14.	150622	37084	L803	218440	105156	R436	271018	19304
J232	190754	64516	J320	103378	138684	J83	306070	179324	JL17	130555	119634	LP701	38506	235991	R451	202946	37846
J234	203200	57404	J321	101600	108712	J85	136398	144526	JL17.	190754	114808	M1000	98501	240461	R455	188976	50546
J236	215392	56388	J322	188976	48006	J86	139192	144526	JL18	255574	162585	MODUL	215392	48768	R464	257048	44704
J24	232664	206502	J323	240284	45466	J87	183134	145542	JL19	319786	11176	POR701	62738	179578	R501	176022	100838
J241	271272	68072	J326	133858	107188	J88	203962	146558	JL2	265684	185674	Q2	71120	56134	R503	153924	115824
J242	271272	66040	J327	133096	188214	J9	235712	225044	JL2.	168656	60198	Q502	192532	107696	R508	183388	130048
J243	269367	62738	J33	114300	183896	J90	221996	145034	JL2..	234950	62484	Q601	71120	56134	R518	160020	104394
J244	170180	54356	J331	257048	42164	J91	217170	145034	JL26	256540	60706	Q602	97282	100330	R519	182372	81026
J246	188976	53340	J334	117856	124206	J92	233426	155194	JL27	245110	59436	Q605	90170	79248	R526	186944	136652
J248	189230	44958	J337	261873	152908	J93	237236	148082	JL28	258064	62484	Q701	45720	128016	R530	184150	91440
J249	203200	55118	J343	222504	59182	J94	233172	141224	JL31	179705	59436	Q701A1	45720	128016	R533	164338	91948
J250	205486	37846	J344	64516	232664	J95	233426	157734	JL31.	175514	86614	Q711	151384	220726	R534	183388	127508
J251	215392	54102	J347	227838	36576	J99	114808	179832	JL6	262890	224790	Q912	136499	170840	R536	136652	34798
J252	220218	37338	J348	225298	36576	JF1	82042	85090	JL6.	271018	141732	R1003	227076	222250	R541	205740	110236
J253	240284	50800	J349	222758	36576	JF10	135636	77470	JL7	239268	163068	R1008	219456	145034	R550	189484	136652
J255	240284	48514	J39	242316	195834	JF14	289229	96266	JL7.	201168	63754	R1018	261873	150368	R553	142494	121920
J260	269494	32258	J4	84074	215138	JF19	309118	98044	L1801	166725	161442	R1019	257810	133858	R603	148336	91948
J264	150622	44196	J40	243840	191262	JF28	131318	143510	L201	313944	88900	R1020	257810	136398	R606	79248	99314
J265	194310	32765	J401	216458	237998	JF29	54102	174752	L203	288036	16764	R1022	261873	147320	R608	145796	91948
J266	196850	32765	J41	243840	188976	JF31	214630	145034	L2401	203962	152400	R1027	232664	204216	R609	136906	82804
J269	241554	41656	J42	243840	184404	JF32	203962	129286	L2402	203962	149352	R1036	129794	220980	R610	128778	45974
J27	253492	208026	J43	260857	192532	JF33	206502	129286	L301	288036	142240	R1047	275590	191770	R611	118364	16510

## MOTHER UNIT (F7240NF) PWB COMPONENT LOCATION TABLES.

Comp. Side.

Copper Side.

Ref No	Xmm	Ymm
R611A	117602	15748
R612	84074	75692
R613	131063	60198
R614	72644	23876
R616	151130	92710
R617	82042	94234
R618	205232	113538
R619	125476	131826
R620	224282	144272
R623	122428	93218
R628	141986	104140
R641	129032	93218
R643	135890	117348
R703	25908	234950
R713	14224	107950
R714	36576	105918
R715	21590	158750
R716	25908	139446
R721	20574	229870
R723	66548	157226
R727	133858	144526
R728	114808	176784
R730	23622	103378
R741	75184	167132
R742	96520	174244
R763	65024	171450
R770	74422	191770
R771	81280	184912
R778	20574	240030
R790	78486	230124
R791	78486	232664
R792	96774	224536
R814	229768	59436
R815	203200	59690
REF10	53695	-4166
REF4	238252	166878
S701	20497	247015
S702	48514	238201
S703	60502	238201
S704	72517	238201
S705	84505	238201
SF201	294894	72644
SF202	290322	72644
SF203	296672	61468
T601	33655	51003
T701	74599	127635
TH201	304495	5486
TRC	188569	180492
X1002	245999	154940
X2401	217678	153924

Ref No	Xmm	Ymm
C1002	275590	143510
C1005	262890	163626
C1014	304800	173482
C1015	120396	235966
C1017	214376	151638
C1018	253746	192532
C1019	242062	150876
C1020	242062	152908
C1021	237286	175056
C1022	243840	156718
C1023	218694	81280
C1024	223774	82296
C1025	219456	84582
C1026	264160	158953
C1028	291922	160477
C1029	291846	173482
C1030	289052	43434
C1033	262890	165531
C1034	242138	179806
C1801	160274	199644
C1802	149606	188468
C1803	140716	188468
C1804	133604	184658
C1805	143510	204724
C1806	138938	184658
C1808	150215	175158
C1809	167233	181762
C1810	157073	174142
C1813	146405	158648
C1815	140817	161950
C1820	139954	204216
C1821	150114	191516
C1822	162306	189992
C203	317754	63754
C207	303530	59436
C208	304546	56388
C212	299974	45974
C213	299974	50292
C214	302514	38100
C216	306832	27686
C217	306832	21336
C221	315468	59690
C222	307594	59436
C223	300736	8382
C224	297434	7366
C225	296926	13716
C226	314452	95504
C227	313944	88900
C230	289052	55118
C2401	217932	165862

Ref No	Xmm	Ymm
C2402	217932	163830
C2403	215138	185420
C2404	219202	176022
C2405	210058	181864
C2406	215138	176530
C2407	217170	185420
C2408	211074	208026
C2409	213106	116586
C309	268224	137668
C310	268224	135890
C312	274828	123698
C316	278130	122682
C317	287020	124460
C318	289306	124460
C319	250444	230632
C320	250444	223520
C321	288290	141732
C327	299720	124206
C328	305054	124206
C330	309626	124206
C331	309880	135890
C333	311912	124206
C334	313690	118110
C335	318516	118110
C336	232410	237998
C337	234188	237998
C338	250444	234188
C339	250444	227076
C340	235712	220726
C350	289814	228600
C354	284734	231140
C357	265684	234188
C359	277114	236855
C360	297942	239268
C364	306070	228600
C366	266954	208534
C367	290830	211074
C369	289560	214122
C371	277622	211582
C374	281432	213868
C375	306578	220980
C379	304038	212852
C380	281686	137414
C383	266954	132842
C401	176022	25908
C402	177800	30480
C403	184150	36576
C404	189230	34036
C405	180086	36576
C406	186182	29210

Ref No	Xmm	Ymm
C408	159004	18542
C409	180086	13716
C410	177800	18288
C411	189230	21590
C412	188214	17272
C413	192532	22606
C414	186182	17272
C416	250952	13462
C417	258064	16764
C418	248920	18288
C419	256286	16764
C420	256286	25146
C421	249174	25146
C427	270256	43434
C428	171196	228600
C429	177800	229870
C432	265176	34036
C434	220726	46482
C435	224282	45720
C436	226822	45720
C438	260349	36576
C439	278384	46482
C440	277114	50800
C441	272542	50800
C442	159766	50800
C443	277368	26924
C444	239776	29210
C445	236220	30226
C446	220726	27940
C447	247396	62484
C451	223266	227838
C502	163830	133858
C503	163068	126746
C505	157226	126492
C506	156718	131572
C507	166878	131318
C508	158242	123952
C510	152908	132842
C512	193040	102108
C513	157988	117856
C515	167132	53594
C516	157988	74168
C517	158648	70866
C518	147320	65531
C521	172212	113792
C522	156718	135382
C523	190754	128016
C525	155752	72034
C527	150876	74676
C529	165608	58674

Ref No	Xmm	Ymm
C530	155956	82804
C531	171196	79502
C532	169418	118364
C533	172212	52324
C534	158242	122174
C535	174193	46786
C537	142494	69850
C538	143764	65531
C539	152400	79756
C540	162560	107442
C606	193294	86106
C617	226314	97790
C633	97282	98044
C635	144018	100584
C636	183896	119126
C639	96012	81026
C640	92456	77216
C643	217932	167640
C645	155448	63754
C646	154686	58928
C712	44958	118618
C715	36576	104394
C716	66294	125476
C717	68326	120904
C722	113284	141224
C725	64516	233934
C728	81788	205486
C730	49784	235966
C731	60452	236220
C732	72644	236220
C733	83312	235712
C735	118618	144018
C737	73660	167132
C738	33274	149606
C740	118872	169672
C741	120396	144018
C742	124968	149860
C743	106172	150114
C801	213614	77470
C803	221742	78486
C807	230124	63754
C808	233172	65786
C809	228092	87884
C811	252730	77978
C813	243078	80264
C814	240792	80264
C816	237490	96774
C817	252222	70104
C819	279908	44450
C823	224282	105918

## MOTHER UNIT (F7240NF) PWB COMPONENT LOCATION TABLES.

## Copper Side.

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
C824	207010	74676	D506	150622	70866	J132	69342	124206	JF21	207518	226060	Q607	275336	180848	R1044	296164	160020
C826	215646	62992	D507	187960	103124	J2	258064	236474	JF22	209296	226060	Q608	218948	157226	R1045	268986	180848
D1003	236474	132080	D508	188214	112522	J218	234950	71374	JF24	108458	99466	Q702	27432	138684	R1046	262255	167436
D1004	269240	151638	D509	132588	119126	J219	236982	71374	JF3	300990	30480	Q703	28448	144780	R1048	114046	205740
D1005	303784	159258	D515	152654	70866	J220	234950	65786	JF30	212598	147320	Q708	68580	229362	R1049	263652	184404
D1006	224282	112522	D601	175006	75438	J240	244094	68580	JF37	275082	37592	Q709	74168	206248	R1051	287020	43434
D1007	253492	109728	D614	77216	100838	J279	308356	9906	JF38	216408	45212	Q710	154686	227838	R1052	291084	43434
D1008	251206	109728	D615	219964	105156	J281	160274	133858	JF39	212852	45466	Q712	150368	227584	R1053	255270	189484
D1009	264795	156006	D617	226060	101346	J283	293878	179578	JF4	308356	44450	Q714	91186	231394	R1054	231648	147574
D1010	286512	161544	D618	219456	151892	J286	290830	100076	JF44	237490	65531	Q715	81280	191008	R1056	303784	163144
D1011	249986	153466	D619	103632	83566	J289	296926	55118	JF46	147066	223266	Q717	90424	189992	R1057	257810	184353
D1805	133197	175920	D620	97028	83058	J294	236982	128778	JF47	132842	226568	Q801	212344	98044	R1060	233426	189230
D1810	164084	198882	D624	29718	73660	J302	234746	172720	JF5	294894	64770	Q802	234442	54356	R1061	218440	146304
D203	308102	12192	D706	83058	212852	J310	234696	156718	JF52	319532	194818	Q803	236474	59182	R1801	162052	199644
D204	314960	56134	D710	93726	211582	J313	104394	239522	JF7	302006	124206	Q804	218948	62484	R1802	159512	196342
D205	317246	98806	D713	36068	139700	J324	247904	69088	L202	309372	41656	Q805	212344	62738	R1803	153416	196850
D2401	215138	181864	D715	64008	121412	J325	247904	67310	L204	311150	61214	Q901	156464	199390	R1804	161036	193040
D2402	210820	173482	D721	138684	144526	J332	209296	72136	L205	307340	48514	Q902	157734	193294	R1805	155956	189992
D2403	210820	168910	D724	155702	233172	J335	238760	128778	L601	29972	77470	Q903	153416	193802	R1806	151384	188468
D2404	210820	171196	D725	157734	224536	J336	246888	155448	Q1001	227330	191516	Q904	150876	199898	R1807	147828	199644
D301	310388	201422	D726	83566	132334	J338	257175	143941	Q1002	126238	234696	Q905	146558	194818	R1808	141986	198120
D302	261873	120396	D727	70866	131826	J339	255270	143941	Q1003	141478	222250	Q906	141986	194818	R1809	149860	195072
D303	270256	115062	D728	72898	165354	J340	93472	200152	Q1004	309118	163068	Q907	144780	201676	R1810	145796	191516
D304	259588	120396	D729	82296	183134	J341	319278	185420	Q1005	237490	150622	Q908	135128	201676	R1811	141478	191516
D305	257302	118872	D730	35814	147828	J342	319278	183388	Q1006	253492	204978	Q909	135890	194310	R1812	141732	201676
D401	149860	30480	D732	82296	200914	J345	209296	229108	Q1007	254203	184785	R1001	297942	160020	R1813	136144	197866
D402	157226	32765	D733	87376	198628	J346	140563	165252	Q201	252730	37084	R1002	299720	160020	R1814	138176	201676
D403	152908	23622	D801	259842	87122	J350	233680	215392	Q207	299974	42926	R1004	257810	105918	R1815	138938	194564
D404	147066	18796	D802	257302	87122	J351	319532	193040	Q208	299974	88138	R1005	272542	154940	R1816	137160	191008
D405	216408	16002	D804	207264	65531	J352	319024	189484	Q209	286766	9144	R1012	117094	237236	R1817	147828	188468
D406	221742	23368	FB1001	242062	146558	J353	278384	131318	Q210	286766	51816	R1017	116078	217170	R1818	142494	188468
D407	241300	22860	FB801	237490	65531	J354	316992	99314	Q2401	216408	116586	R1021	312420	197358	R1819	135382	184658
D408	235458	22860	FB802	246126	80264	J51	320802	189484	Q302	314960	201930	R1023	251714	142748	R1823	146050	188468
D409	229870	25146	IC1001	250190	172212	J65	299720	170942	Q303	319278	200406	R1024	283972	172466	R1824	144272	188468
D410	223774	18288	IC1003	275844	148844	J701	93726	138938	Q304	306832	200660	R1025	304800	176530	R1825	137160	184658
D411	232664	13462	IC1004	298958	153162	J98	268986	146304	Q305	257810	224790	R1026	240030	198755	R1830	136753	169062
D412	206756	37592	IC1006	291338	150876	JF1001	37592	18796	Q306	259080	216408	R1028	221488	87884	R1831	152501	173126
D413	204216	37592	IC1007	283464	148844	JF1002	39370	18796	Q403	264668	45466	R1029	210058	166878	R1833	162661	179984
D414	197104	24130	IC201	307340	70104	JF1003	41148	18796	Q404	164338	37592	R1030	211328	176784	R1835	159359	174142
D415	166624	25908	IC202	302768	97282	JF1004	42926	18796	Q405	172974	37338	R1031	209042	176784	R1837	153009	162712
D416	197866	17780	IC401	273558	32258	JF1005	44704	18796	Q406	201422	28194	R1032	236982	134620	R1839	148437	158648
D417	210312	18796	IC502	163576	116332	JF1006	46482	18796	Q408	284988	29718	R1033	236982	156718	R1840	159004	205486
D418	278892	40132	IC503	161544	79502	JF1007	48260	18796	Q501	176022	69596	R1035	233426	191262	R1841	146659	163728
D419	280924	34036	IC702	85344	222504	JF1008	50038	18796	Q503	182118	80518	R1037	137668	222250	R203	256032	37084
D420	162306	13208	IC703	106426	200914	JF11	285750	25908	Q505	189915	119634	R1038	139700	233426	R204	306578	87630
D421	153416	13208	IC704	106426	211328	JF12	280924	28194	Q506	147828	60960	R1039	144780	233426	R205	315722	82804
D422	168656	32004	IC705	77470	123698	JF15	104140	83566	Q507	184912	115824	R1040	130301	233426	R208	290322	95758
D502	139446	56642	IC707	113030	156972	JF16	103886	88392	Q603	108458	100838	R1041	241300	160274	R209	290322	97536
D503	138938	61214	IC708	74422	173228	JF2	300990	32512	Q604	102616	97282	R1042	252984	189484	R210	317246	95504
D504	139446	54356	J126	267716	141986	JF20	211074	226060	Q606	183896	122174	R1043	261823	188391	R211	297688	100838

## MOTHER UNIT (F7240NF) PWB COMPONENT LOCATION TABLES.

## Copper Side.

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
R215	319786	95504	R308	250444	235966	R417	211582	22352	R520	154940	75692	R718	22606	106680	R812	243078	64516
R216	316992	51816	R309	241300	231140	R421	223774	26924	R521	178308	72644	R719	33274	142748	R813	240030	62484
R217	311404	81788	R310	250444	232410	R422	236474	26162	R522	169164	53594	R720	27432	135636	R816	211074	59690
R218	315976	15748	R311	250444	228854	R423	239268	26162	R524	150622	65531	R722	66040	120904	R817	214376	58674
R219	309372	38608	R312	244094	219456	R427	229616	18288	R525	143510	61214	R724	84582	156972	R818	207518	61722
R220	310388	52832	R313	250444	221742	R428	246634	13462	R527	148590	71374	R732	81788	207264	T702	56896	173228
R225	295910	45720	R314	250444	225298	R429	256032	13462	R528	187960	115824	R733	75946	217932			
R226	294894	55118	R316	235458	225806	R430	254508	25146	R532	171704	77470	R735	72136	225806			
R227	299974	52070	R317	235458	227584	R431	250952	25146	R535	174244	120650	R736	75184	210566			
R228	299974	48514	R318	276606	111252	R432	258064	25146	R537	155956	79756	R737	61468	232664			
R235	308356	17526	R319	261619	116586	R433	252730	25146	R538	154178	79756	R738	67564	232664			
R236	308356	14224	R320	265176	114554	R434	169418	37338	R539	143510	115062	R739	75692	212852			
R237	304800	83312	R321	302006	106426	R435	161036	36322	R540	157226	102108	R740	83058	214884			
R238	304800	87630	R322	306070	106172	R437	267970	45466	R542	246380	87884	R743	122936	172466			
R239	237236	111506	R323	292354	106680	R445	271907	39370	R544	168402	123190	R744	97028	161036			
R240	313944	48514	R350	255016	216662	R447	169418	225806	R545	169164	113030	R745	87884	153670			
R2401	219202	185420	R351	257556	227838	R448	181102	223520	R547	192532	115062	R746	87884	151892			
R2402	211836	164592	R352	280416	232156	R449	265684	39370	R548	192532	128016	R747	129032	149098			
R2403	217170	113538	R353	292354	240538	R450	167386	37338	R549	169164	114808	R748	118364	164338			
R2404	211328	116586	R354	254254	212090	R452	201930	38862	R551	171196	118364	R749	84582	129032			
R2405	210058	179832	R355	256540	212090	R453	170180	23876	R552	168656	56896	R750	94488	158750			
R2406	211836	162814	R356	284988	214376	R454	212598	41402	R554	186436	142748	R751	150622	232410			
R2407	229870	143510	R357	310388	217678	R456	200406	42926	R555	146050	69850	R752	158496	220472			
R2408	219202	180594	R358	318770	208280	R457	170180	25654	R556	145542	65531	R754	152908	224536			
R2409	210058	157734	R360	308356	204724	R458	285750	21844	R557	144272	69850	R755	150622	230632			
R241	300736	10160	R361	319278	203454	R459	279146	21590	R558	141986	65531	R758	157734	229616			
R2410	200914	152146	R362	257556	221742	R460	204978	20574	R559	146812	73914	R762	71120	137922			
R2411	202692	152146	R363	257556	219964	R461	285750	23876	R560	157734	79756	R765	82042	138430			
R2412	204470	152146	R372	297942	194818	R462	208534	22352	R561	162560	110998	R766	82042	144780			
R242	296672	10414	R373	251206	211328	R463	254000	40132	R562	162560	109220	R767	93218	235966			
R243	287020	12446	R374	271780	213614	R465	279146	38100	R601	104140	100838	R768	70358	150368			
R244	287020	14224	R375	269494	232410	R466	277368	25146	R605	136906	100838	R769	58166	183134			
R245	291338	40386	R376	280416	142494	R467	278892	40386	R607	141986	103378	R774	72898	180848			
R246	319278	56896	R377	261873	233172	R468	287274	39116	R615	117094	12446	R775	80264	180086			
R247	310642	77470	R378	297434	199898	R469	251206	32512	R622	244094	87884	R776	92456	193294			
R248	283464	9652	R401	147320	26670	R470	256540	66548	R625	29972	80772	R777	77978	202184			
R249	318262	48514	R402	159258	36322	R502	165862	107950	R626	271145	178866	R787	71882	229362			
R251	280416	12700	R403	173736	30480	R504	183642	111506	R627	24384	79248	R788	86614	231648			
R252	281686	9652	R404	182118	36576	R505	190246	109220	R634	103378	94234	R789	86614	233426			
R253	290322	93980	R405	188214	29210	R506	187706	105664	R642	131318	107442	R801	204470	71882			
R254	294386	49276	R406	186182	36576	R507	193040	98552	R644	217932	169418	R802	228854	69850			
R255	291338	51562	R407	146812	14478	R509	159766	145542	R646	156464	58928	R803	223774	87884			
R256	296164	49276	R409	160782	23622	R510	163068	124968	R647	158496	63246	R804	225806	87884			
R257	286004	57150	R410	209804	25400	R511	163068	123190	R648	159512	61468	R805	230124	87884			
R258	287274	48006	R411	204978	18034	R512	167132	110998	R706	105410	145542	R806	241046	68072			
R259	313944	87122	R412	175768	13716	R513	157988	119634	R707	116332	169672	R807	242570	98552			
R301	246888	117094	R413	182626	23114	R514	191770	124714	R708	77978	206248	R808	216408	102870			
R302	251460	116840	R414	185166	13716	R515	175006	125476	R711	95250	203708	R809	202184	73660			
R303	251460	121412	R415	189230	23622	R516	167894	107950	R712	93980	206756	R810	215900	98044			
R304	246888	121412	R416	210312	27432	R517	193040	100330	R717	39370	129032	R811	231140	54356			

**POWER SWITCH UNIT (F7317NOA) PWB COMPONENT LOCATION TABLES:**  
 Comp. side:      Copper side:

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(A)	46228	37846	C6702	58166	52832
(H)	52578	12446	C6703	69850	52070
D6751	140004	53009	C6704	82042	52324
D6752	151993	53009	C6705	93726	52324
F6701	45212	28956	C6715	128778	53594
IC6701	108000	58978	R6738	151892	56642
IC6708	127990	57988	R6739	148082	49276
LP6701	45008	53009			
OPC	136398	15748			
R6701	23114	50292			
R6702	60198	35052			
R6751	133858	34798			
RC	112268	15748			
S6701	23012	64516			
S6702	57988	50012			
S6703	70002	50012			
S6704	81991	50012			
S6705	94005	50012			
ST	150876	15748			
SW1	84074	15748			
SW2	94996	15748			

**FRONT A/V UNIT (F7318NOA) PWB COMPONENT LOCATION TABLES:**  
 Comp. side:      Copper side:

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(CC)	60426	14224	C336	79730	34290
(FV)	49504	14224	C337	78460	25654
(J)	82270	11734	C428	19786	25908
(SS)	32232	14224	C429	29438	25908
CN4	79984	40005	JF1	53568	27432
J401	63500	40005	JF2	55600	27432
L317	74955	18084	JF3	57886	27432
L318	21564	20574	R316	78460	22098
R449	50266	22860	R317	80492	22098

**CRT UNIT (F7273N2A) PWB COMPONENT LOCATION TABLES: Component Side.**

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(B)	88392	13970	R1820	23114	37846
(H)	4724	31978	R1821	24384	44450
(K)	32004	72898	R1822	24384	41402
(L5)	49530	73914	R1832	38862	34798
(MO)	89154	69088	R1834	46990	55118
(PU)	43688	6096	R1836	71120	28956
(Q)	77470	6096	R1841	25654	26670
(RT)	81788	72898	R5420	13970	22860
C1608	87884	54610	R5421	75438	25400
C1609	82550	35814	R5422	14732	10668
C1612	86106	46482	R5423	71374	10668
C1613	86868	25654	R5425	3048	15240
C1807	13208	73914	R5426	42926	10160
C1811	16002	30734	R5428	41910	23368
C1812	38100	40640	REF2	6248	62331
C1814	50038	34798			
C1823	10414	44704			
C1824	3556	44196			
C1825	25654	32004			
C5405	45974	70612			
C5408	41656	20574			
C5412	9144	10668			
C5413	76454	11938			
C5414	27940	6604			
C5415	63246	6604			
C5417	39624	13716			
CRT	62230	47498			
D1804	8636	31242			
D1809	41656	29972			
D5404	13970	19812			
D5405	57150	23368			
D5411	80010	23114			
D5412	83566	12446			
FF1	32765	-2794			
G2	47752	42418			
IC1801	23114	57912			
J327	7010	55727			
J70	32765	26924			
J72	38100	49784			
J73	60706	14986			
J78	29718	69088			
L1603	57658	69342			
L1604	70612	74422			
L1801	58166	30226			
Q5407	25908	18034			
Q5408	60960	18034			
Q912	10668	37846			
R1621	80010	23114			
R1623	81280	9144			
R1623.	83566	21336			

**CENTRAL SPEAKER UNIT (F7285N1A) PWB COMPONENT LOCATION TABLES:**

Comp. side:      Copper side:

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(CS)	46482	25654	C1303	16764	11176
(SB)	35560	7874	C1304	23368	23622
(SF)	14478	35560	C1307	16764	30734
(VS)	41148	35560	C1308	16764	14478
C1302	23622	11176	C1311	31750	17272
C1305	5334	9652	C1312	14478	20574
C1306	25400	33782	C1313	9652	23876
C1309	9144	16510	C1317	2794	16510
C1310	31242	15494	IC1300	42926	14986
C1314	5842	35306	J1	6096	7620
C1315	25146	22606	J2	16764	7620
C1316	3556	16764	JF1	17272	2286
D1303	33020	27940	JF2	38354	12446
D1304	37846	20066	JF3	37846	17272
IC1302	16510	19304	Q1301	25400	11176
L1301	5842	27178	R1301	30480	11430
L1302	35306	24130	R1302	32258	11430
L1303	37846	31750	R1303	44958	9906
			R1304	35814	11430
			R1307	34036	11430
			R1308	33020	2286
			R1309	22352	2286
			R1310	16764	9398
			R1311	28702	11430
			R1312	16256	20574
			R1313	9652	28956
			R1314	2032	23622
			R1315	45466	29210

**DINAMIC FOCUS UNIT (F7314NO) PWB COMPONENT LOCATION TABLES:**

Component side:

Ref No	Xmm	Ymm
(EW)	31750	56896
(F)	120396	38862
(FF)	112776	38862
C1601	163830	12192
C1602	168910	12192
C1603	171450	20574
C1604	198628	38100
D1601	194818	45212
D1602	202438	45212
FOCO	213995	32512
Q1601	183007	32512
R1601	190754	45212
R1602	127762	53848
R1603	167386	45466
T1602	141706	27025

Copper side:

No parts.

**CRT UNIT (F7273N2A) PWB  
COMPONENT LOCATION**
**TABLES: Copper Side.**

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
C1610	76962	26416	R1618	80772	46482
C1611	82804	27940	R1619	81788	52578
C1801	33426	67665	R1620	83820	67818
C1802	23520	55981	R1622	78740	10922
C1803	14630	55981	R1624	80264	21336
C1804	7518	52171	R1801	41656	70612
C1805	4724	70459	R1802	31496	63754
C1806	12852	52171	R1803	27330	64363
C1808	23622	40132	R1804	34798	63754
C1809	48768	56642	R1805	29616	57505
C1810	36068	36576	R1806	25298	55981
C1813	13970	29464	R1807	20472	65633
C1815	10922	33020	R1808	15900	65633
C1820	13106	73253	R1809	23774	62585
C1821	24028	59029	R1810	19710	59029
C1822	35966	59283	R1811	15392	59029
C5409	46990	12954	R1812	14122	69189
C5410	11938	17018	R1813	10058	65379
C5411	31750	12446	R1814	12090	69189
D1607	83566	46482	R1815	12852	62077
D1805	7112	43434	R1816	11074	58521
D1810	37236	63093	R1817	21742	55981
D5403	31750	18034	R1818	16408	55981
D5410	5842	14732	R1819	9296	52171
IC1601	87122	36322	R1823	19964	55981
J71	35966	56235	R1824	18186	55981
J74	33934	56235	R1825	11074	52171
J75	44704	17018	R1830	13970	34544
J76	23114	50038	R1831	25654	40132
J77	86106	12192	R1833	36068	42926
J79	35458	70713	R1835	36068	38354
Q1603	82804	12700	R1837	39370	27686
Q1604	72644	10668	R1839	18034	29210
Q5405	65786	11430	R1840	32004	74422
Q5406	59690	11176	R5412	51816	18288
Q5410	50292	69850	R5413	49530	17780
Q5411	54102	64516	R5414	46990	17018
Q5412	67564	64516	R5415	16002	18034
Q901	30378	66903	R5416	21082	14986
Q902	31648	60807	R5417	23876	14986
Q903	27330	61315	R5418	26670	12446
Q904	25044	67411	R5419	28702	12446
Q905	20472	62331	R5424	39624	11430
Q906	15900	62331	R5431	49784	66294
Q907	17170	69189	R5432	59944	60706
Q908	9042	69189	R5433	57658	69596
Q909	9804	61823	R5434	67564	60706
R1615	80772	24638	R5435	64516	70358
R1616	77724	33274			
R1617	88138	46482			

**DOLBY UNIT (F7243N3) PWB COMPONENT  
LOCATION TABLES.**
**Copper Side.**

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
C1301	126492	55727	J30	181864	20929	R1714	95250	20675
C1302	131572	53949	J34	127254	65125	R1715	102616	16865
C1305	141224	66649	J36	161290	65125	R1716	87630	5943
C1308	138938	53949	J37	193040	64871	R1717	96520	11531
C1309	129286	47091	J42	198374	16357	R1718	97028	7213
C1313	120650	66395	J52	168910	25501	R1719	91186	9499
C1315	164338	65125	Q1301	234696	24231	R1720	69596	10007
C1316	160274	55727	Q1302	234442	18389	R1723	71628	6451
C1317	165354	53949	Q1303	239522	18389			
C1319	169164	66649	Q1304	147066	16611			
C1320	172720	54203	Q1702	36830	16357			
C1321	159766	46837	Q1703	32512	16357			
C1327	154432	67157	Q1706	87630	9499			
C1328	194056	55727	Q1707	104648	9245			
C1330	196342	64871	R1301	101600	21437			
C1331	198374	53695	R1302	143764	55727			
C1335	201676	66395	R1303	131572	55727			
C1338	205740	54203	R1304	143002	47853			
C1339	194056	46075	R1305	226568	42265			
C1351	186436	67411	R1306	177546	55219			
C1353	185166	9499	R1307	165354	55981			
C1354	177038	21183	R1308	171958	44043			
C1355	185166	19913	R1310	240792	24231			
C1358	182880	31597	R1311	238506	24231			
C1361	187706	32105	R1312	211582	55473			
C1362	206248	28041	R1313	198374	55727			
C1367	196088	10261	R1314	198120	44043			
C1368	158242	7975	R1315	224028	34137			
C1369	156210	7975	R1318	185166	21945			
C1373	143256	36931	R1319	206248	23469			
C1375	137668	30835	R1320	216662	32867			
C1376	159512	30073	R1325	137922	65125			
C1377	151130	7975	R1326	173990	66649			
C1378	111760	20167	R1327	164084	25501			
C1381	121666	22707	R1328	182880	33629			
C1382	116586	30581	R1330	147574	21437			
C1383	111760	30581	R1331	150114	19405			
C1384	149098	7975	R1332	144018	21437			
C1385	150622	22707	R1333	153924	22961			
C1386	145796	21437	R1334	19812	48869			
C1387	130555	65125	R1340	206248	65887			
C1713	48514	10515	R1343	152400	17373			
C1715	27178	13563	R1703	30988	30073			
C1716	53594	9245	R1705	19304	22199			
D1301	233680	41503	R1706	36830	11785			
D1302	237744	33883	R1707	51562	9245			
D1304	233680	38963	R1708	72136	19405			
D1305	235458	33883	R1710	81788	7213			
IC1703	61722	9499	R1711	83820	7213			
J16	118618	22707	R1713	88900	19659			

**DOLBY UNIT (F7243N3) PWB COMPONENT LOCATION TABLES.****Component Side.**

Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm	Ref No	Xmm	Ymm
(BUS)	128778	7975	C1706	91186	28803	J47	178562	72745	Z018	18542	36931	Z070	96774	72237	Z125	171450	65125
(CS)	156210	32105	C1707	83566	59283	J48	232918	39217	Z019	63169	66522	Z072	187960	21945	Z126	89154	16357
(CW)	18034	52425	C1708	90424	44297	J5	35560	7213	Z020	77978	66903	Z073	170942	15087	Z127	135890	29565
(PW)	21336	67665	C1709	95758	55473	J51	102870	26517	Z021	73660	53187	Z075	180086	22199	Z128	96266	16611
(SC)	163322	36677	C1710	106680	48107	J6	107188	55727	Z022	72136	44043	Z076	240030	12801	Z129	213360	7721
(SR)	217373	20497	C1711	94234	9499	J8	110744	58775	Z023	82042	48361	Z077	236982	15849	Z130	204978	25755
(ST)	219913	47498	C1712	102616	12293	J9	102870	72237	Z024	83058	53949	Z078	225552	13817	Z131	128270	13563
C1303	135128	47853	C1714	64008	15849	L1301	126238	44043	Z025	92202	47853	Z079	217678	35407	Z132	132080	13563
C1304	143764	65125	C1717	39878	35661	L1302	156210	44297	Z026	78232	25247	Z080	220980	59029	Z133	195580	19659
C1306	137922	65125	D1701	18034	43027	L1303	183388	43281	Z027	82042	38709	Z081	202946	42265	Z134	210312	46583
C1307	133350	65125	D1702	43942	40233	L1304	207518	33375	Z028	87630	35407	Z082	206502	47091	Z135	151384	30327
C1310	145288	46075	D1703	19558	35915	L1701	91948	68427	Z029	74168	35661	Z083	186690	46583	Z136	87122	19405
C1312	120650	65125	D1704	41656	22453	L1702	100584	37439	Z030	74930	20167	Z084	195326	43789	Z137	233172	21691
C1314	162306	65125	D1705	46228	6197	NS1	1270	22707	Z031	72898	15341	Z085	209296	10769	Z138	29718	34645
C1318	170180	46583	D1706	20828	9753	NS4	51816	-3201	Z032	76962	13563	Z086	215900	11785	Z139	152654	72491
C1322	170942	42265	D1708	72136	69951	Q1701	35814	30073	Z033	82042	10261	Z087	208534	56743	Z140	151638	35661
C1323	240030	36169	D1709	77470	46329	Q1705	92710	19659	Z035	93980	66141	Z088	182549	59537	Z141	134620	65887
C1324	171450	65125	D1710	81534	32867	R1309	221742	53441	Z036	87122	13055	Z089	110236	42773	Z143	155702	22453
C1325	166878	65125	D1711	86614	13817	R1317	220218	8991	Z037	90932	5943	Z090	135890	34645	Z144	145542	23977
C1326	154178	65125	D1712	78486	17881	R1322	121412	36423	Z038	89662	11023	Z091	140462	17881	Z145	152146	20929
C1329	194818	64871	D1713	73660	44297	R1323	178054	37947	Z039	101092	9753	Z092	116078	24231	Z146	145542	65633
C1332	200660	47091	D1714	74422	27533	R1324	149860	40741	Z040	235966	65887	Z093	113538	28803	Z147	179832	48615
C1333	176784	65125	D1715	78994	10007	R1329	222250	64617	Z041	100330	24485	Z094	121412	30073	Z148	156464	13563
C1334	208788	64871	D1716	103886	6705	R1341	114808	40233	Z042	123698	24231	Z096	127762	48869	Z149	231140	66649
C1336	203962	64871	D1717	101600	31597	R1701	38354	61315	Z043	123698	14325	Z097	161290	48869	Z150	106984	45567
C1337	199390	64871	FB1701	46990	18897	R1702	21336	20929	Z044	112268	34137	Z098	94234	12039	Z151	131826	39217
C1340	226060	37693	IC1301	137414	19151	R1704	27686	13563	Z045	149529	59207	Z099	172720	55981	Z152	229870	42265
C1350	186436	64871	IC1302	131572	54965	R1709	17018	19659	Z046	199898	34899	Z100	173228	61061	Z2	150368	33629
C1352	185166	7467	IC1303	165100	54965	R1712	86106	19659	Z048	127508	30835	Z101	165608	48869			
C1356	196850	30835	IC1304	198120	54965	R1721	27686	35661	Z049	173990	19659	Z102	170688	46583			
C1357	167386	30581	IC1305	183896	19151	R1722	24892	48615	Z050	135382	56235	Z103	170180	53187			
C1359	209296	11277	IC1701	75184	10007	T1701	59182	42773	Z051	168910	56362	Z104	179324	45567			
C1360	184404	15087	IC1702	98806	19659	XT1301	116586	30835	Z052	201930	56362	Z105	205740	55727			
C1363	191008	42519	J1	213868	42519	Z001	46659	65887	Z053	241554	27279	Z106	205994	62077			
C1364	219710	28295	J10	106680	69697	Z002	35560	63855	Z054	237744	29057	Z107	197612	61569			
C1365	128778	65125	J11	105410	64617	Z003	22352	22199	Z055	119888	19659	Z108	203454	53187			
C1366	194564	10261	J12	106680	61315	Z004	14732	39725	Z056	135890	19659	Z109	224282	16865			
C1366B2	211328	74269	J13	101600	29057	Z005	25908	40741	Z057	134874	13563	Z110	199390	65379			
C1370	143256	36169	J17	125730	19151	Z006	17780	29565	Z058	136144	16357	Z111	127762	44297			
C1371	149352	31343	J18	141224	18897	Z007	46990	37947	Z059	128778	9499	Z112	162560	45821			
C1372	132588	34645	J21	222250	67157	Z008	35560	21945	Z060	129794	15595	Z113	219964	71983			
C1374	137668	30835	J25	218186	13817	Z009	16256	11531	Z061	189992	19913	Z114	225552	55473			
C1379	109728	21437	J31	161798	21183	Z010	32004	13055	Z062	169672	18135	Z115	141224	63855			
C1380	128016	30835	J35	38354	11023	Z011	54102	6451	Z063	212090	39725	Z116	136652	53187			
C1388	135890	41757	J38	173228	11023	Z012	54102	12039	Z064	216408	41503	Z117	140208	47091			
C1389	170942	35407	J39	175768	11023	Z013	27686	10261	Z065	166878	65633	Z118	131572	61315			
C1701	24384	59283	J41	199898	22707	Z014	19812	46329	Z066	202184	29819	Z119	139954	61315			
C1702	31242	68173	J44	146050	70967	Z015	49276	21691	Z067	181864	27787	Z120	138938	55727			
C1703	19812	32867	J45	178562	70205	Z016	48006	7721	Z068	187706	29565	Z122	213868	31597			
C1704	25146	24739	J46	220980	69697	Z017	27686	16611	Z069	127508	35915	Z124	221234	40233			



## DESCRIPTION OF SCHEMATIC DIAGRAM

### SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

### IMPORTANT SAFETY NOTE:

PARTS MARKED WITH « $\Delta$ » ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

### SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (---) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.  
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

### NOTE:

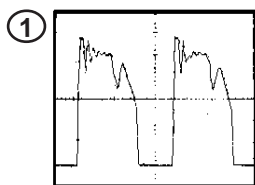
1. The unit of resistance «ohm» is omitted (K=1000 ohms. M= Megaohm).
2. All resistors are 1/8 watt. unless otherwise noted.
3. All capacitors are mF, unless otherwise noted (P= mmF).
4. The capacitor with Part No. RC-FZ9XXXBMNJ is designed to with stand 63V.
5. The capacitor with Part No. RC-FZ4XXXBMNJ is designed to with stand 50V.

### CAUTION

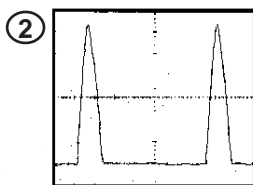
This circuit diagram is original one, therefore there may be light difference from yours.

### WAVEFORM MEASUREMENT CONDITION:

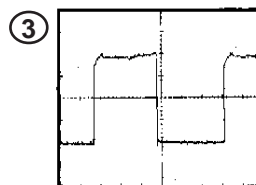
Colour bar generator signal of 70 dB from RF input.



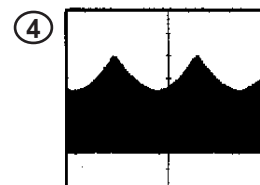
580V



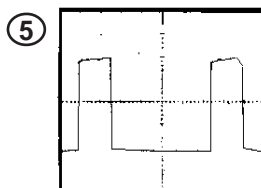
1.3 KV 15.625KHz



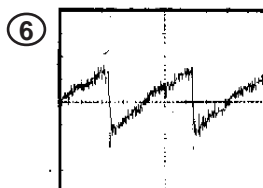
4 Vp-p 15.625KHz



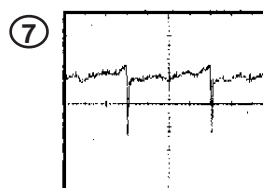
215 Vp-p 50Hz



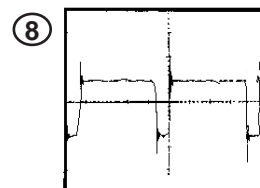
41 Vp-p 15.625KHz



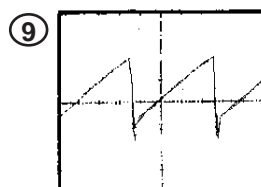
1.8 Vp-p 50Hz



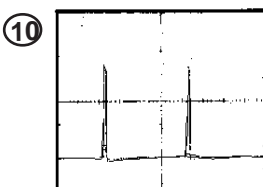
3.3V 50Hz



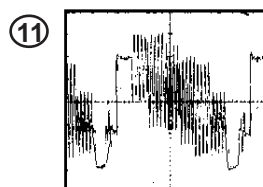
45 Vp-p 113 KHz FM



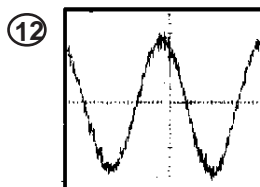
19V 50Hz



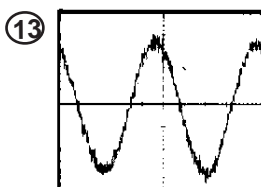
20.5 Vp-p 50Hz



1.15 Vp-p  
15.625KHz

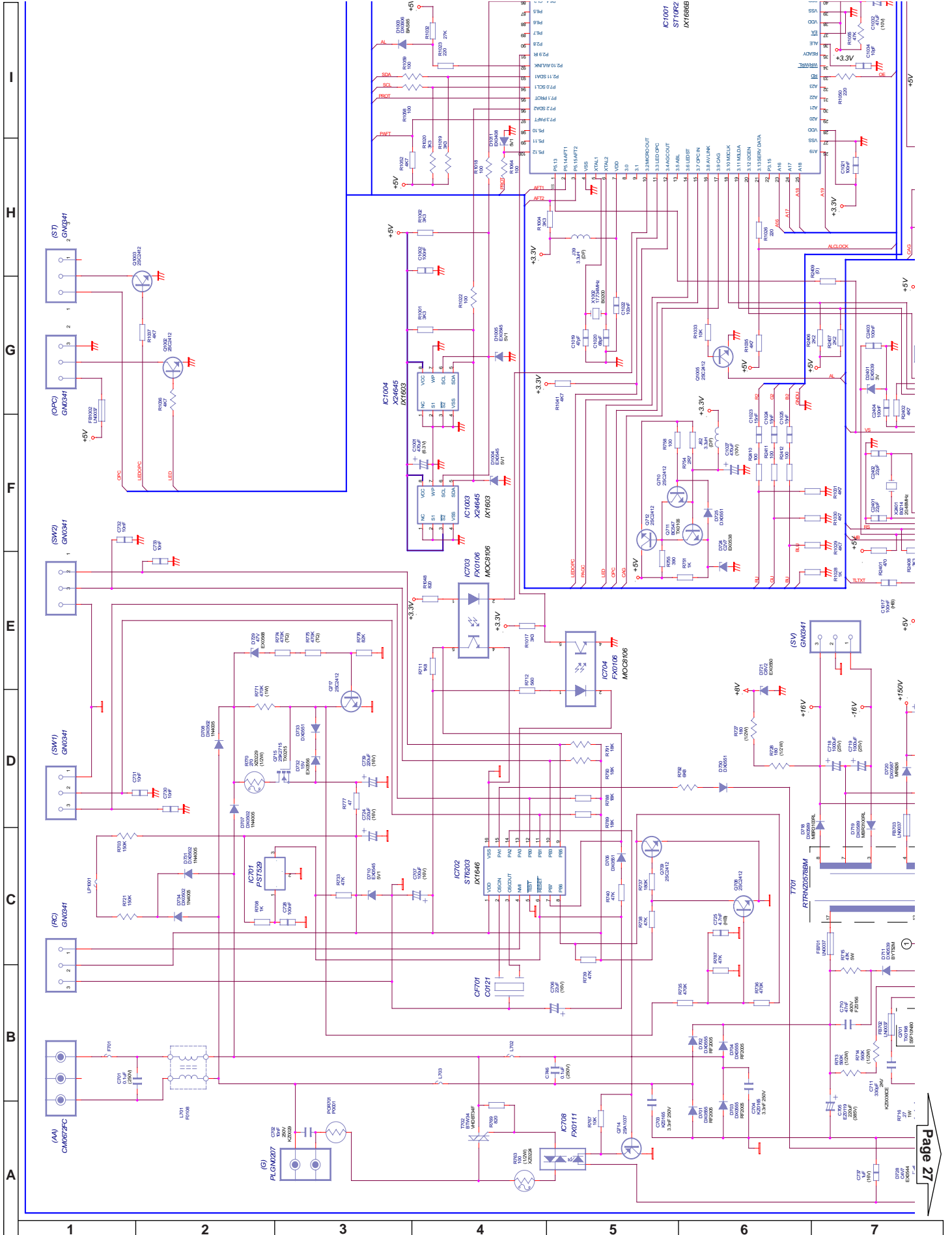


400Hz



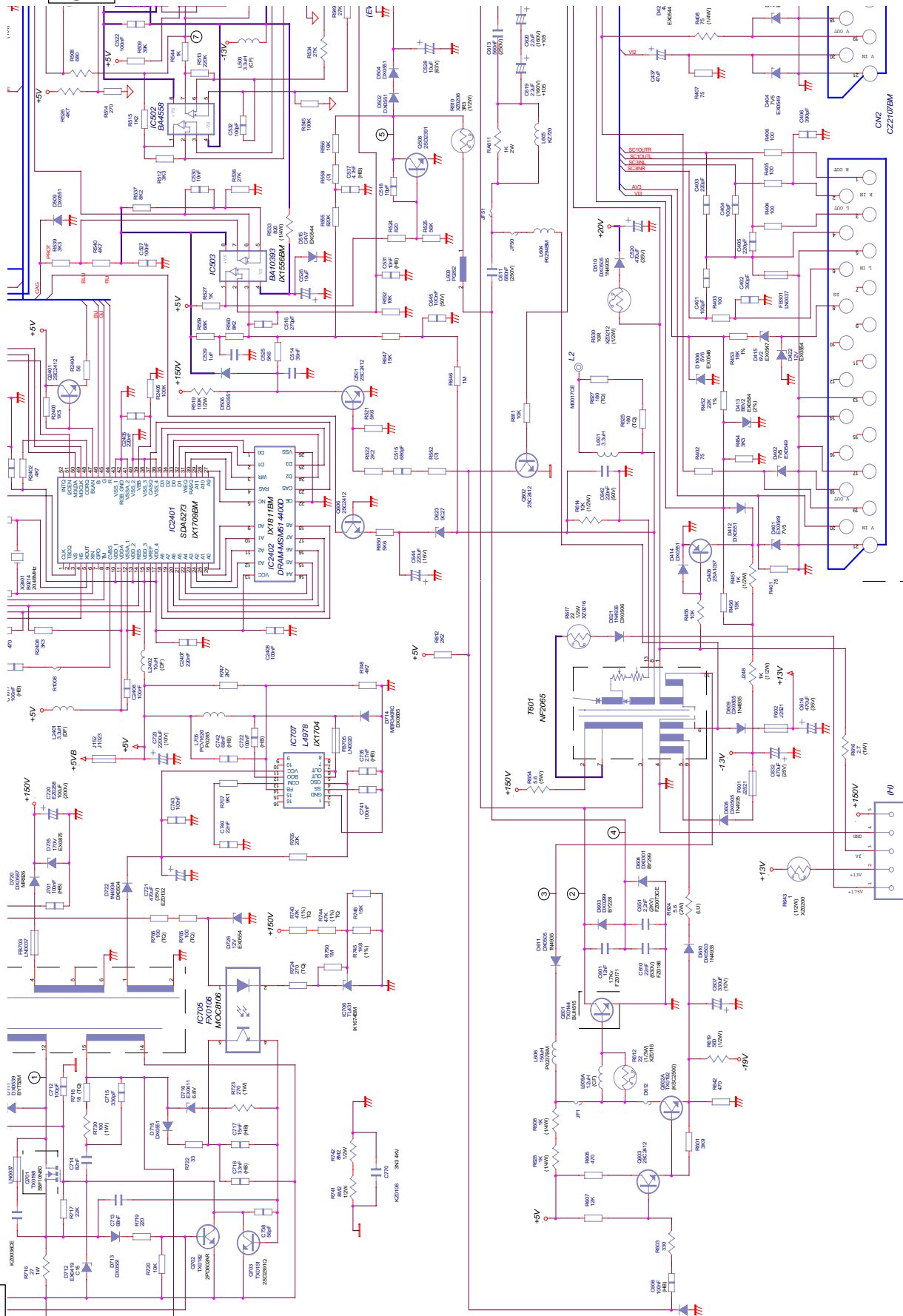
400Hz

# SCHEMATIC DIAGRAM OF MOTHER UNIT (K7240), 00 Version.



# SCHEMATIC DIAGRAM OF MOTHER UNIT (K7240), 00 Version.

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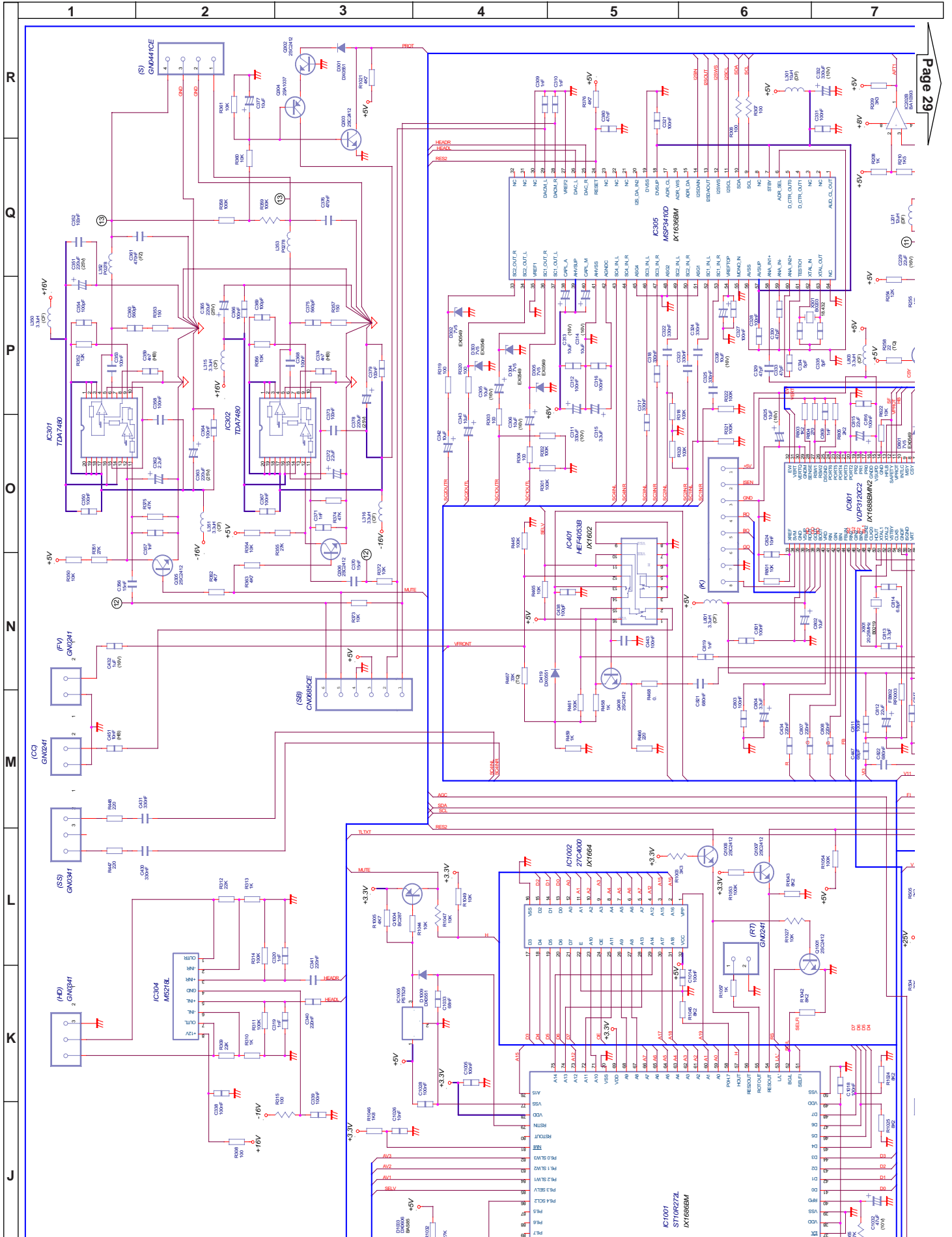


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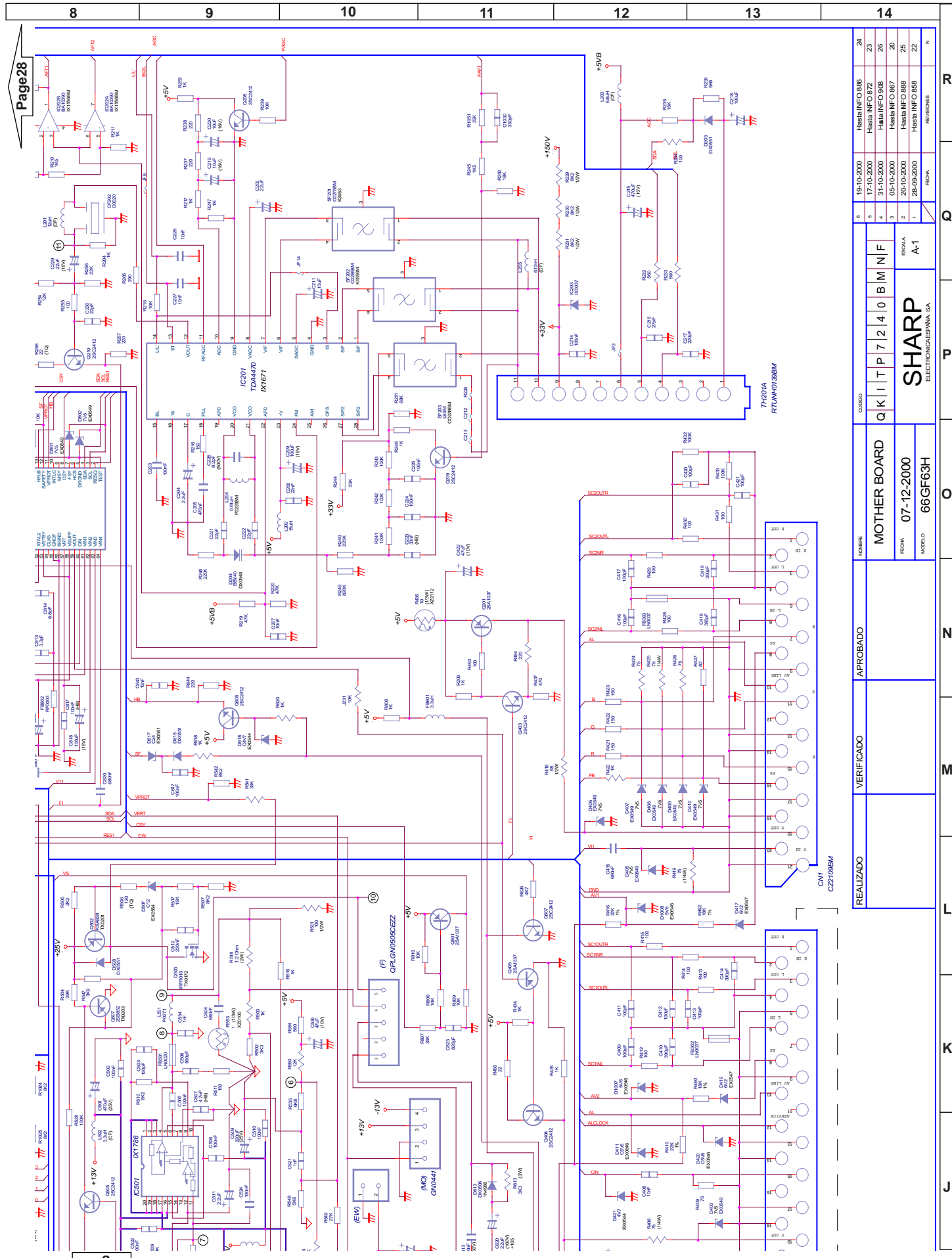
A  
B  
C  
D  
E  
F  
G  
H  
I

8 9 10 11 12 13 14

# SCHEMATIC DIAGRAM OF MOTHER UNIT (K7240), 00 Version.



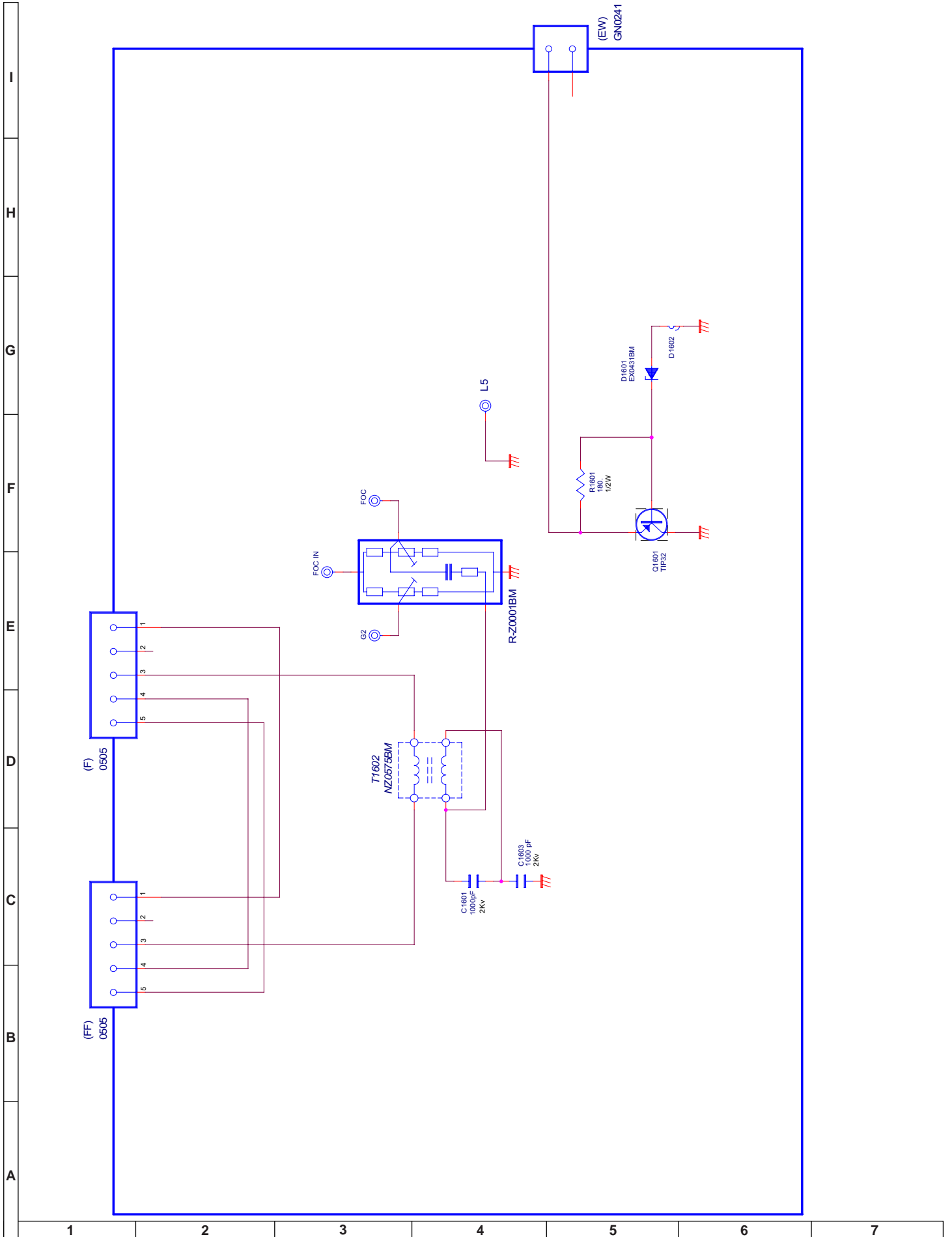
## SCHEMATIC DIAGRAM OF MOTHER UNIT (K7240), 00 Version.



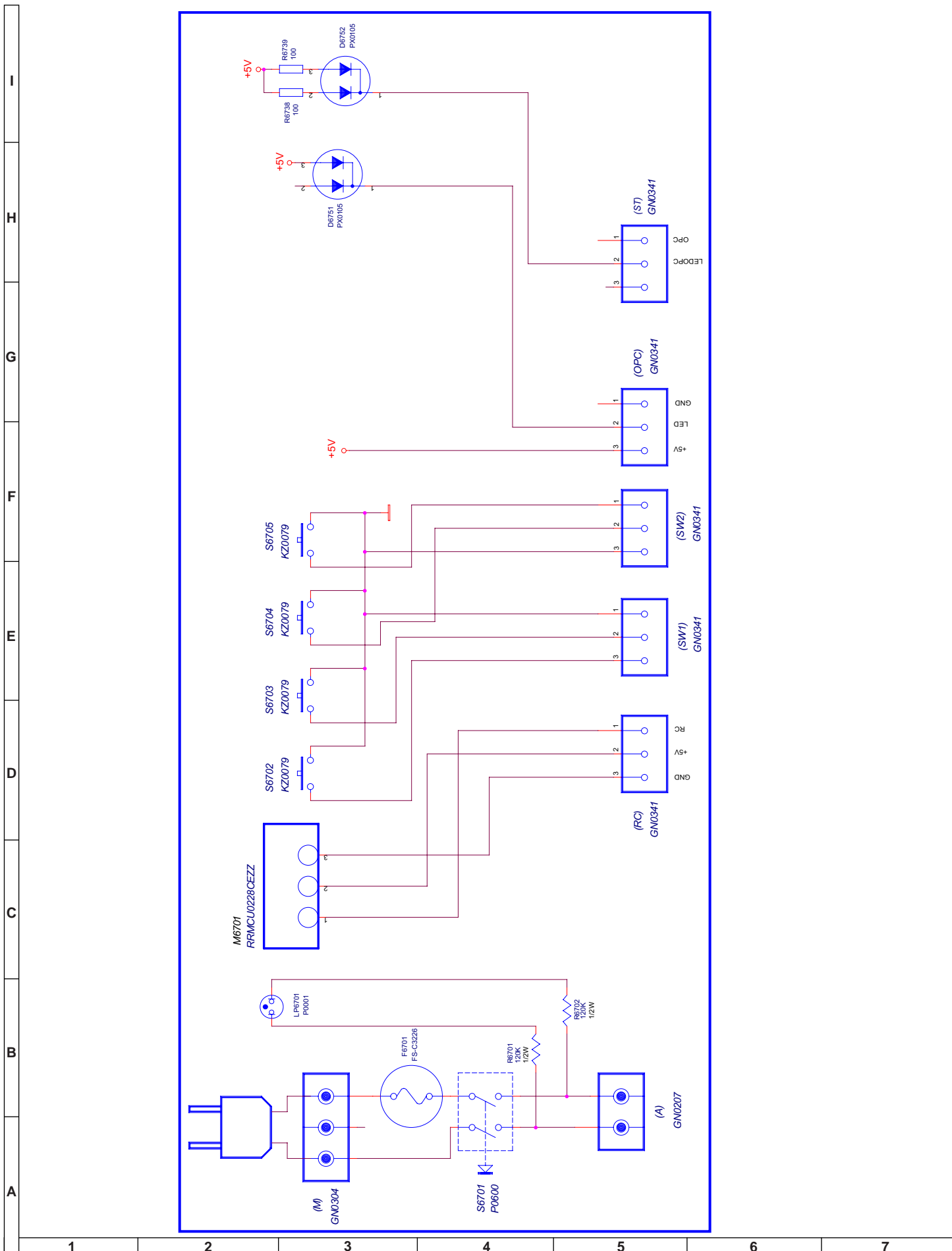
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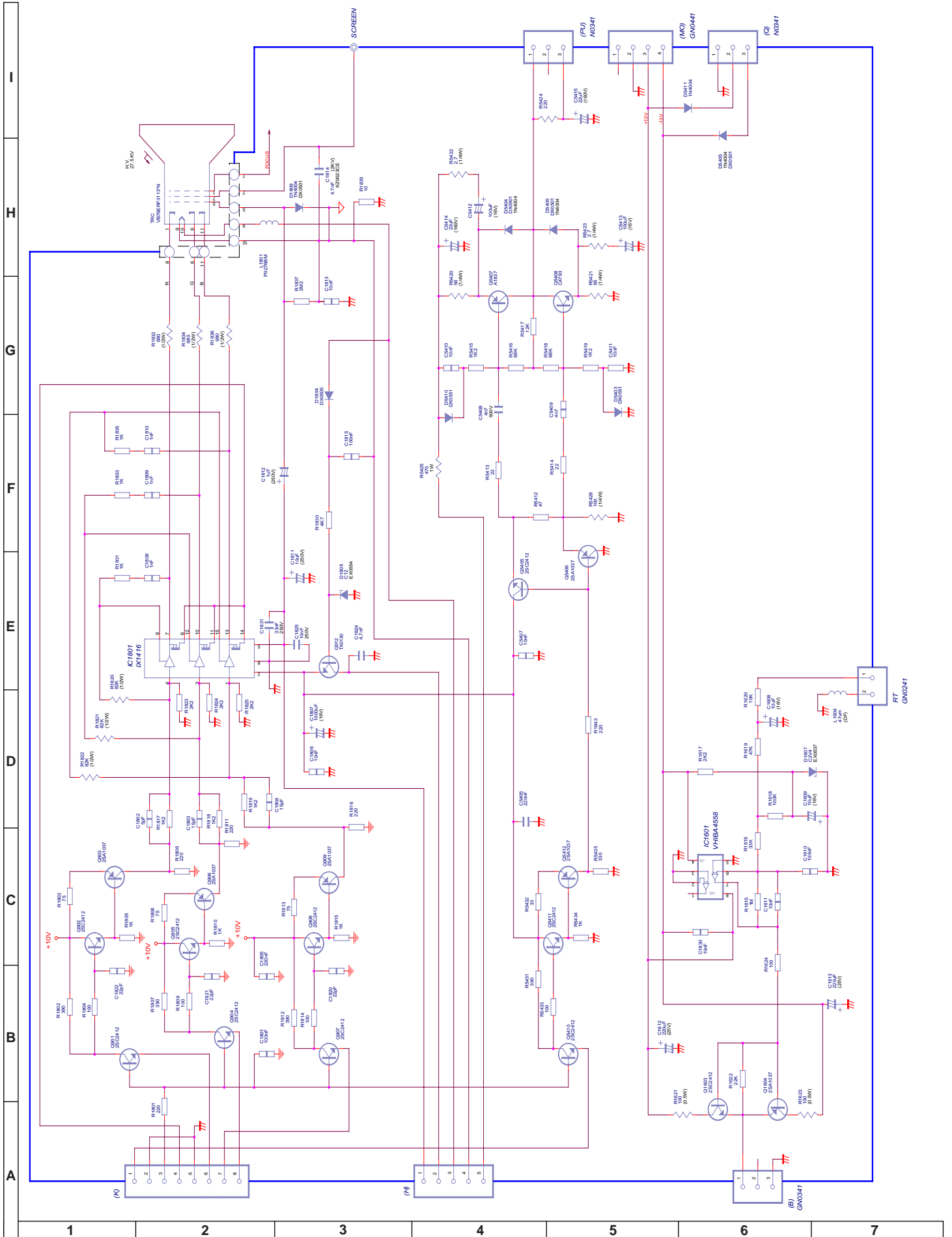
**SCHEMATIC DIAGRAM OF DYNAMIC FOCUS UNIT (F7314), 00 Version.**



**SCHEMATIC DIAGRAM OF POWER SWITCH UNIT (F7317), 00 Version.**

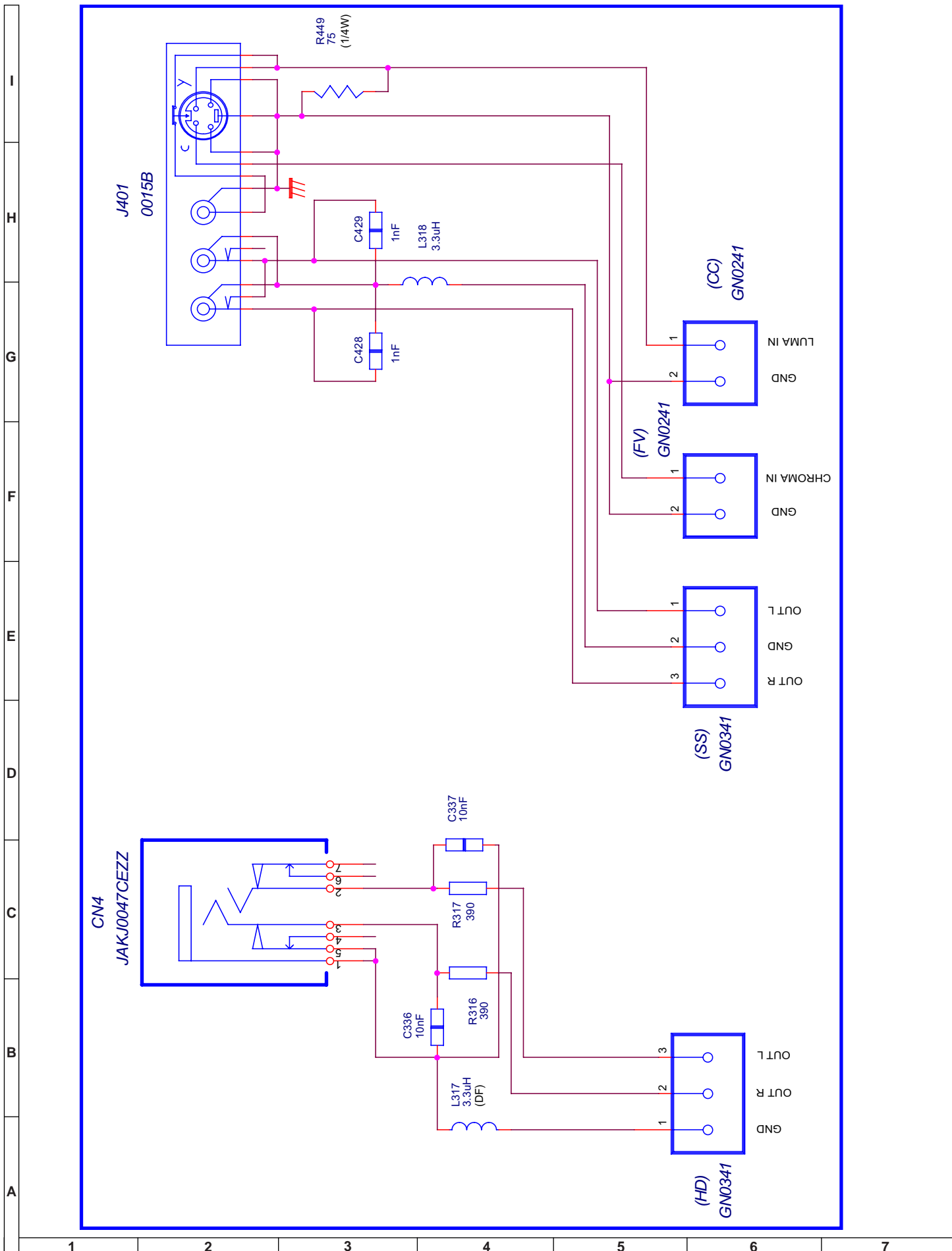


# SCHEMATIC DIAGRAM OF CRT SOCKET UNIT (F7273), 00 Version.

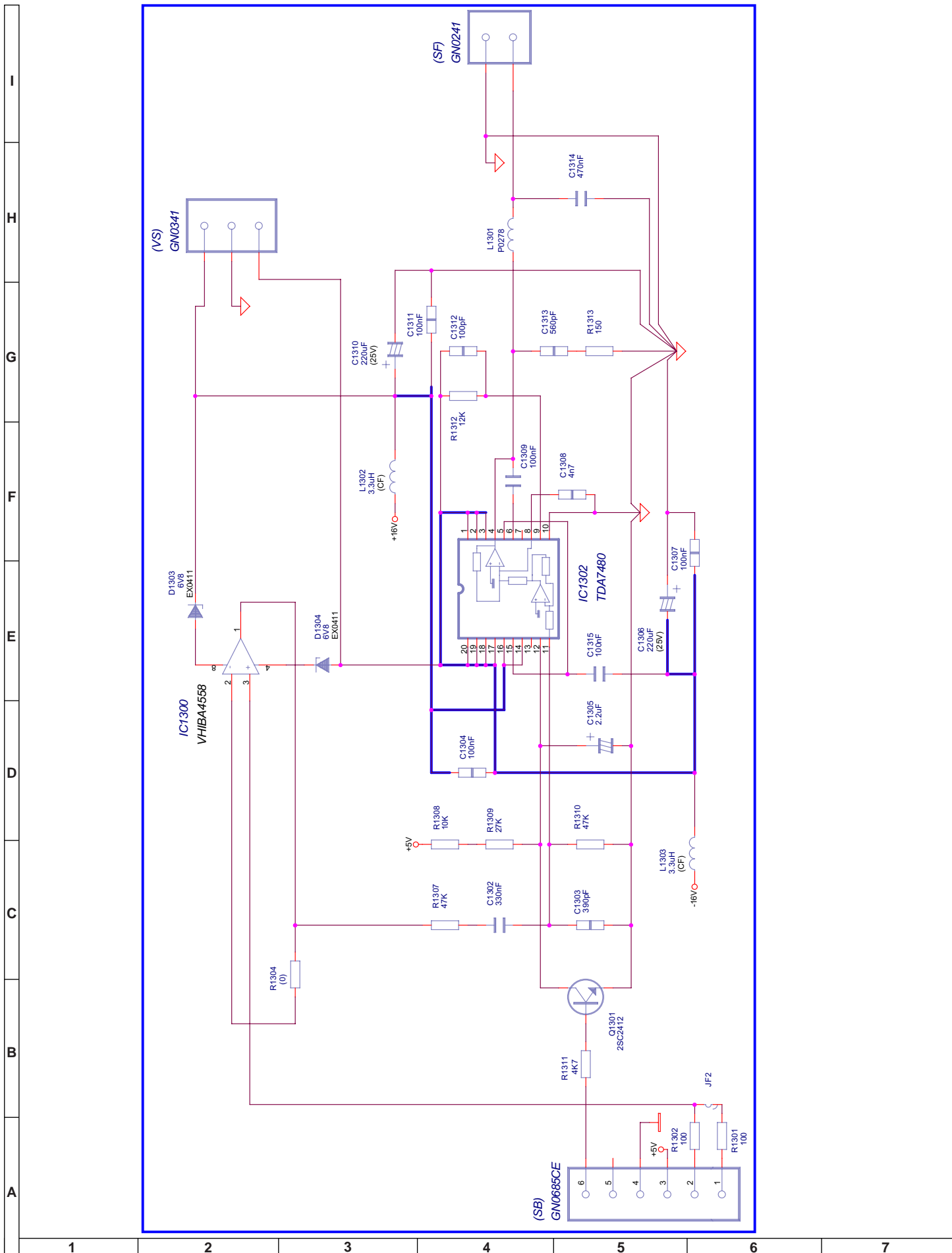




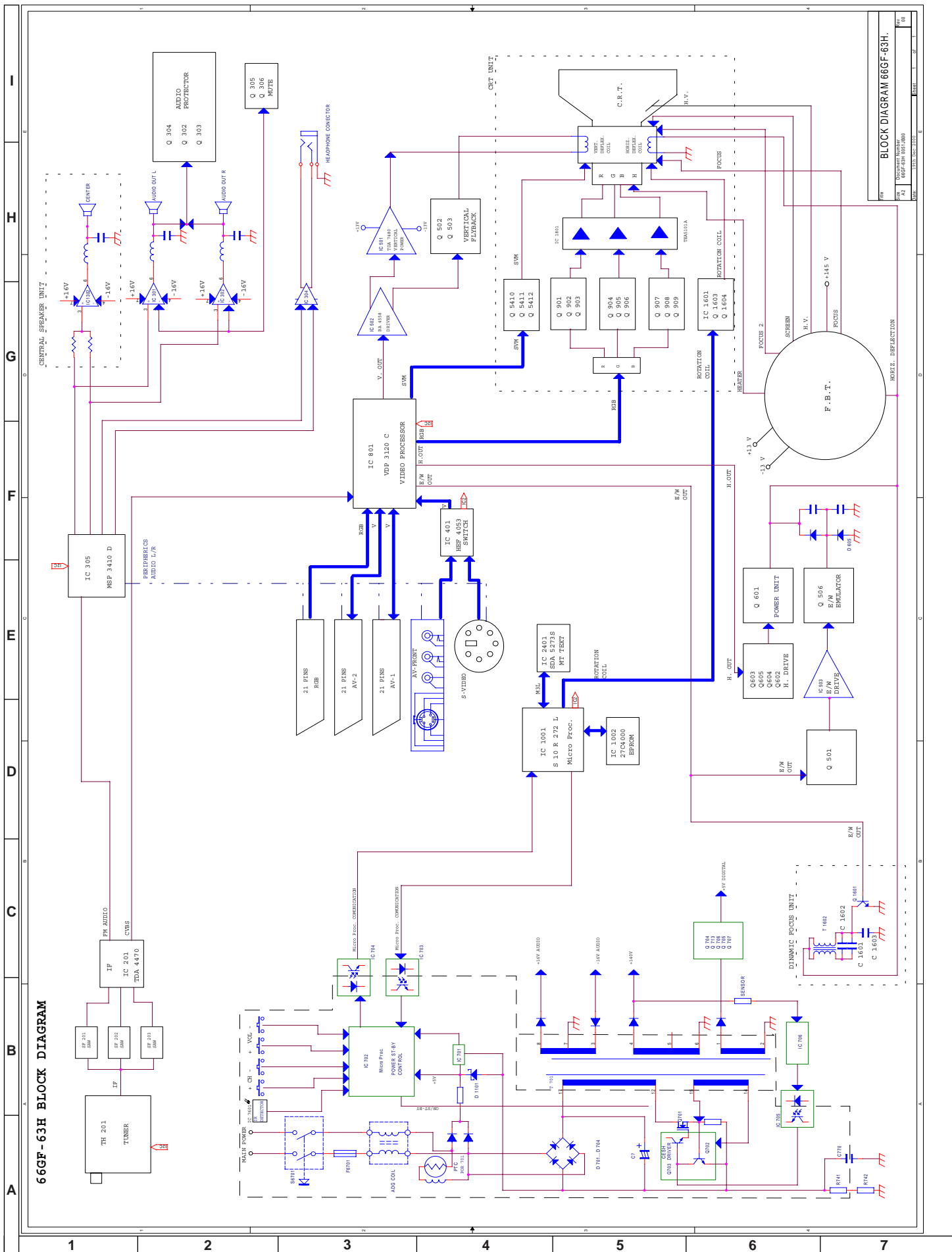
**SCHEMATIC DIAGRAM OF FRONT AV UNIT (F7318), 00 Version.**



**SCHEMATIC DIAGRAM OF CENTRAL SPEAKER UNIT (F7285), 00 Version.**



# BLOCK DIAGRAM.



<b>BLOCK DIAGRAM 66GF-63H.</b>			
REV.	NO.	DATE	BY
01	1	1988.03.25	

# PARTS LISTING

## REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by  $\Delta$  in the Replacement Part List.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted.

Replacement parts not shown in this service manual may create shock fire, or other hazards.

## HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK \*: SPARE PARTS DELIVERY SECTION

REF No.	PARTS	DESCRIPTION	* CODE
<b>PICTURE TUBE</b>			
	VB66ERF3113*N	CRT 28"16:9 FLAT50Hz W66ERF031X013 PHILI	S **
$\Delta$	RCILG0417BMZZ	DEGUSS.COIL ATN01121951 28"16:9 NUCTOR	S AX
	DUNTK7240CJX8	ADJUST CHASSIS 66GF63H	S --
	DUNTK7273BMW3	CRT UNIT 66GF63H	S BD
	DUNTK7285BMV0	CENTRAL SPEAKER AMPLIFIER	S AU
	DUNTK7314BMV3	DINAMIC FOCUS +E/W 66GF63H	S BF
	DUNTK7317BMV2	FRONTAL POWER 66GF63H	S AZ
	DUNTK7318BMV2	FRONTAL SIGNAL 66GF63H	S AW
<b>PWB-A MOTHER UNIT</b>			
<b>TUNER</b>			
TH 0201	RTUNH0123BMZZ	TUNER CTT5020 THOMSON	S BA
<b>INTEGRATED CIRCUITS</b>			
IC 050	RH-IX1786BMZZ	C.I. TDA 7480L THOMSON	S AL
IC 0201	RH-IX1672BMZZ	IC TDA4472-MFL Temic SMD	S AP
IC 0202	RH-IX1556BMZZ	IC BA10393 S0P8 SMD ROHM	S AD
IC 0203	RH-IX0037CEZZ	IC UPC574J 33V NEC	S AD
IC 0301	VHITDA7480/-1	IC TDA7480 THOMSON	S AK
IC 0302	VHITDA7480/-1	IC TDA7480 THOMSON	S AK
IC 0304	VHIM5218L/-1	IC M5218L	S AD
IC 0305	RH-IX1789BMZZ	CI MSP3410D-PP-C5 MICRONA	S BD
IC 0401	RH-IX1602BMZZ	IC HEF4053 SMD	S AD
IC 0502	VHIBA4558F/-1	IC BA4558F-E2 ROHM OP-AMP	S AC
IC 0503	RH-IX1556BMZZ	IC BA10393 S0P8 SMD ROHM	S AD
IC 0701	VHIPST529C2-1	IC PST529C2 MITSUMI	S AD
IC 0702	RH-IX1646BMZZ	IC ST6203B SMD SGS-THOMSON	S AL
$\Delta$ IC 0703	RH-FX0106BMZZ	OPTOCOUPLER MOC8106SR2V-M	S AD
$\Delta$ IC 0704	RH-FX0106BMZZ	OPTOCOUPLER MOC8106SR2V-M	S AD
$\Delta$ IC 0705	RH-FX0106BMZZ	OPTOCOUPLER MOC8106SR2V-M	S AD
IC 0706	RH-IX1674BMZZ	IC KA431AZ SAMSUNG	S AD
IC 0707	RH-IX1704BMZZ	IC L4978 THOMSON	S AK
IC 0708	RH-FX0111BMZZ	OPTOCOUPLER TLP165J TOSHIBA	S AE
IC 0801	RH-IX1688BMN2	IC VDP 3120C2 MICRONAS	S BF
IC 1001	RH-IX1686BMZZ	IC ST10R272L THOMSON	S AW
IC 1002	CH-IX1711CJH1	EPROM OTP 4 MB THOMSON	S AX
IC 1003	RH-IX1603BMZZ	NVM X24645S8 XICOR SMD	S AV
IC 1005	VHIPST529C2-1	IC PST529C2 MITSUMI	S AD
IC 2401	RH-IX1709BMZZ	IC SDA5275-3MXTX NIVEL2,5	S BD
IC 2402	RH-IX1811BMZZ	IC DRAM MSM514400D-60TS-K OKI	S AS
<b>TRANSISTORS</b>			
Q 0201	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0208	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0209	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA

REF No.	PARTS	DESCRIPTION	* CODE
Q 0210	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0302	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0303	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0304	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0305	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0306	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0403	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0404	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0405	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0406	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0408	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0501	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0502	RH-TX0201BMZZ	TRT KSA928A SAMSUNG	S AC
Q 0503	RH-TX0172BMZZ	IRFR010TM SAMSUNG N	S AE
Q 0505	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0506	RH-TX0151BMZZ	TRT 2SD2391Q SMD ROHM	S AD
Q 0507	RH-TX0203BMZZ	TRT 2SB852 ROHM	S AB
Q 0601	RH-TX0144BMZZ	TRT BUH 515 THOMSON	S AK
Q 0602	RH-TX0192BMZZ	TRT KSC2500 SAMSUNG	S AC
Q 0603	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0606	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0607	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0608	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0701	RH-TX0198BMZZ	TRT 55F10N80A SAMSUNG	S AU
Q 0702	RH-TX0182BMZZ	TRT 2PD602AR PHILIPS	S AB
Q 0703	RH-TX0151BMZZ	TRT 2SD2391Q SMD ROHM	S AD
Q 0708	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0709	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0710	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0711	RH-TX0106BMZZ	TRT BC547	S AB
Q 0712	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0714	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0715	RH-TX0215BMZZ	MOSFET 2SK2715 ROHM	S AE
Q 0717	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 0801	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 0802	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1001	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1002	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1003	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1004	VS2SA1037KQ-1	TRT BC807 SMD	S AA
Q 1005	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1006	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 1007	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
Q 2401	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
<b>DIODES</b>			
D 0203	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA
D 0204	RH-DX0548BMZZ	DIODE VARICAP BBY40	S AE
D 0301	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA
D 0302	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0303	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0304	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0305	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0401	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0402	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0403	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0404	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0405	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0406	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0407	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0408	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0409	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0410	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA
D 0411	RH-EX0546BMZZ	ZENER DIODE TZMC5V6 TFK SMD	S AA
D 0412	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA
D 0413	RH-EX0584BMZZ	ZENER DIODE TZMB6V2 TFK SMD 2%	S AA

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
D 0414	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	D 1006	RH-EX0546BMZZ	ZENER DIODE TZMC5V6 TFK SMD	S AA
D 0415	RH-EX0547BMZZ	ZENER DIODE TZMC6V2 TFK SMD	S AA	D 1007	RH-EX0546BMZZ	ZENER DIODE TZMC5V6 TFK SMD	S AA
D 0416	RH-EX0547BMZZ	ZENER DIODE TZMC6V2 TFK SMD	S AA	D 1008	RH-EX0546BMZZ	ZENER DIODE TZMC5V6 TFK SMD	S AA
D 0417	RH-EX0547BMZZ	ZENER DIODE TZMC6V2 TFK SMD	S AA	D 1009	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA
D 0419	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	D 1011	RH-EX0545BMZZ	ZENER DIODE TZMC5V1 TFK SMD	S AA
D 0420	RH-EX0546BMZZ	ZENER DIODE TZMC5V6 TFK SMD	S AA	D 2401	RH-EX0539BMZZ	ZENER DIODE TZMC3V0 TFK SMD	S AA
D 0421	RH-EX0544BMZZ	ZENER DIODE TZMC4V7 TFK SMD	S AA			<b>PACKAGED CIRCUITS</b>	
D 0422	RH-EX0554BMZZ	ZENER DIODE TZMC12 TFK SMD	S AA	POR0701	RMPTP0001BMZZ	PTC B59250-C1080-B70	S AD
D 0502	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	X 0301	RCRSB0203BMZZ	CRYSTAL 18.432 MHZ	S AG
D 0503	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	X 0801	RCRSB0219BMZZ	CRYSTAL 20.25 HMZ	S AH
D 0504	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	X 1002	RCRSB0200BMZZ	CRYSTAL 17.734 MHZ	S AG
D 0506	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	X 2401	RCRSB0214BMZZ	CRYSTAL 20.48 MHZ SEL	S AH
D 0507	RH-EX0554BMZZ	ZENER DIODE TZMC12 TFK SMD	S AA			<b>COILS</b>	
D 0508	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	L 0201	VP-DF120K0000	PEAK COIL 12UH 10%	S AA
D 0509	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	L 0202	VP-NM150KR63N	COIL 15UH SMD	S AC
D 0510	RH-DX0505BMZZ	DIODE 1N4935	S AE	L 0203	VP-CF6R8K0000	PEAK COIL 6.8UH 10%	S AA
D 0515	RH-EX0544BMZZ	ZENER DIODE TZMC4V7 TFK SMD	S AA	L 0204	RCILP0229BMZZ	COIL SMD 610NH LQN1HR61J	S AD
D 0601	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	L 0205	VP-NM1R5MR19N	COIL 1,5UH SMD	S AB
D 0603	RH-DX0299BMZZ	DIODE BY 228-20	S AE	L 0301	VP-DF100K0000	PEAK COIL 10UH 10%	S AA
D 0604	RH-DX0302BMZZ	DIODO RGP30MT FAGOR (GLASS PASSIVATED)	S AC	L 0315	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0608	RH-DX0505BMZZ	DIODE 1N4935	S AE	L 0316	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0609	RH-DX0505BMZZ	DIODE 1N4935	S AE	L 0318	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
D 0610	RH-DX0503BMZZ	DIODE 1N4933	S AB	L 0350	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0611	RH-DX0505BMZZ	DIODE 1N4935	S AE	L 0351	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0613	RH-DX0506BMZZ	DIODE 1N4936	S AB	L 0352	RCILP0278BMZZ	COIL A823LY-680K TOKO	S AD
D 0615	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	L 0353	RCILP0278BMZZ	COIL A823LY-680K TOKO	S AD
D 0617	RH-EX0561BMZZ	ZENER DIODE TZMC24 TFK SMD	S AA	L 0501	RCILP0271BMZZ	COIL BC-400/K DIEMEN	S AG
D 0618	RH-EX0544BMZZ	ZENER DIODE TZMC4V7 TFK SMD	S AA	L 0502	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0621	RH-DX0506BMZZ	DIODE 1N4936	S AB	L 0503	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0623	RH-EX0425BMZZ	ZENER DIODE BZX79C27V	S AA	L 0601	VP-NM3R3MR19N	COIL 3,3UH SMD	S AD
D 0701	RH-DX0555BMZZ	DIODE RF2005 FAGOR	S AB	L 0603	RCILP0262BMZZ	COIL HR18008.00 DIEMEN	S AG
D 0702	RH-DX0555BMZZ	DIODE RF2005 FAGOR	S AB	L 0604	RCILP0294BMZZ	COIL 900uH HR-15017-00	S AH
D 0703	RH-DX0555BMZZ	DIODE RF2005 FAGOR	S AB	L 0605	RCILZ0720BMZZ	LYN COIL HR-13044	S AL
D 0704	RH-DX0555BMZZ	DIODE RF2005 FAGOR	S AB	L 0606	RCILP0237BMZZ	COIL AR621LY-151K=R TOKO	S AD
D 0706	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	L 0701	RCILF0108BMZZ	COIL 472839.00 THOMSON	S AL
D 0707	RH-DX0502BMZZ	DIODE 1N4005	S AA	L 0705	RCILP0285BMZZ	COIL PCV1620-500K DIONIX	S AF
D 0708	RH-DX0502BMZZ	DIODE 1N4005	S AA	L 0801	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0710	RH-EX0545BMZZ	ZENER DIODE TZMC5V1 TFK SMD	S AA	L 0803	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
D 0711	RH-DX0539BMZZ	DIODE BYT52M TFK	S AC	L 2401	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
D 0712	RH-EX0419BMZZ	ZENER DIODE BZX79C15V 0,4W	S AB	L 2402	VP-DF100K0000	PEAK COIL 10UH 10%	S AA
D 0713	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	LA 0609	VP-CF1R2K0000	PEAK COIL 1.2UH 10%	S AB
D 0714	RH-DX0605BMZZ	DIODE MBR340RL MOTOROLA	S AE			<b>CERAMIC FILTERS</b>	
D 0715	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	CF 0202	RFILC0023CEZZ	SOUND FILTER (TAPED)	S AD
D 0716	RH-EX0411BMZZ	ZENER DIODE BZX79C6V8	S AA	CF 0701	RFILC0121GEZZ	FILTER CST8.00MTW MURATA	S AD
D 0718	RH-DX0589BMZZ	DIODE MBR3100RL	S AF	SF 0201	RFILC0283BMZZ	SAW FILTER J1980M SIEMENS	S AM
D 0719	RH-DX0589BMZZ	DIODE MBR3100RL	S AF	SF 0202	RFILC0288BMZZ	SAW FILTER K9353M SIEMENS	S AK
D 0720	RH-DX0587BMZZ	DIODE MR826 PREFORM C6.3	S AP			<b>TRANSFORMERS</b>	
D 0721	RH-EX0550BMZZ	ZENER DIODE TZMC8V2 TFK SMD	S AA	△ T 0601	RTRNF2073BMZZ	FBT HR-8168-01 DIEMEN	S BB
D 0722	RH-DX0504BMZZ	DIODE 1N4934	S AB	△ T 0701	RTRNZ0578BMZZ	CHOPPER TG-0601A DIEMEN	S AT
D 0724	RH-EX0538BMZZ	ZENER DIODE TZMC2V7 TFK SMD	S AA			<b>CAPACITORS</b>	
D 0725	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	C 0204	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB
D 0726	RH-EX0554BMZZ	ZENER DIODE TZMC12 TFK SMD	S AA	C 0205	RC-FZ4474BMNJ	POL FILM C 470nF 50V 5% ECQ-V PANASONIC	S AC
D 0727	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	C 0206	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB
D 0728	RH-EX0544BMZZ	ZENER DIODE TZMC4V7 TFK SMD	S AA	C 0207	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
D 0729	RH-EX0568BMZZ	ZENER DIODE TZMC47 TFK SMD	S AA	C 0208	VCKYTV1HF223Z	CERAM C 22NF 50V 2125SMD	S AA
D 0730	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	C 0209	VCEAGA1CW107M	ELEC C 100UF 20% 16V	S AA
D 0731	RH-DX0502BMZZ	DIODE 1N4005	S AA	C 0211	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA
D 0732	RH-EX0556BMZZ	ZENER DIODO TZMC15 TFK SMD	S AA	C 0212	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
D 0733	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	C 0213	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
D 0734	RH-DX0502BMZZ	DIODE 1N4005	S AA	C 0214	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
D 0735	RH-EX0875BMZZ	DIODE BZW04-145-170V FAGOR	S AD	C 0215	VCEAGA1AW477M	ELEC C 470UF 20% 10V	S AB
D 0801	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA	C 0216	VCCCTV1H270J	CERAM C 27PF 50V 2125SMD	S AA
D 0802	RH-EX0549BMZZ	ZENER DIODE TZMC7V5 TFK SMD	S AA				
D 1003	RH-DX0606BMZZ	DIODE BAS85 PHILIPS	S AB				
D 1004	RH-EX0545BMZZ	ZENER DIODE TZMC5V1 TFK SMD	S AA				
D 1005	RH-EX0545BMZZ	ZENER DIODE TZMC5V1 TFK SMD	S AA				

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
C 0217	VCCCTV1HH221J	CERAM C 220PF 50V 2125SMD	S AA	C 0368	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA
C 0218	VCEAGA1CW226M	ELEC C 22UF 20% 16V	S AA	C 0369	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0219	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0370	RC-FZ4153BMNJ	POL FILM C 15nF 50V 5% ECQ-B PANASONIC	S AA
C 0220	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0371	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
C 0221	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA	C 0372	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB
C 0222	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA	C 0373	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA
C 0223	VCKYTV1HB333K	CERAM C 33NF 50V 2125SMD	S AA	C 0374	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA
C 0224	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0375	VCCCTV1HH561J	CERAM C 560PF 50V 2125SMD	S AA
C 0225	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0376	RC-FZ4474BMNJ	POL FILM C 470nF 50V 5% ECQ-V PANASONIC	S AC
C 0228	VCCWPA2HL8R2C	C 8,2PF 0,25 N1500 500V	S AB	C 0377	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA
C 0229	VCEAGA1CW226M	ELEC C 22UF 20% 16V	S AA	C 0378	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
C 0230	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA	C 0379	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0305	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0380	VCKYTV1HF473Z	CERAM C 47NF 50V 2125SMD	S AA
C 0306	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0401	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0309	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0403	VCCCTV1HH221J	CERAM C 220PF 50V 2125SMD	S AA
C 0310	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0404	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0311	VCEAGA1AW337M	ELEC C 330UF 20% 10V	S AA	C 0405	VCCCTV1HH221J	CERAM C 220PF 50V 2125SMD	S AA
C 0312	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0408	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
C 0313	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0409	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0314	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0410	VCCCTV1HH391J	CERAM C 390PF 50V 2125SMD	S AA
C 0315	VCEAGA1HW335M	ELEC C 3,3UF 20% 50V	S AA	C 0411	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0316	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0412	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0317	VCKYTV1EF334Z	CERAM C 330NF 25V 2125SMD	S AB	C 0413	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0318	VCKYTV1EF334Z	CERAM C 330NF 25V 2125SMD	S AB	C 0414	VCCCTV1HH391J	CERAM C 390PF 50V 2125SMD	S AA
C 0319	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0415	RC-FZ4684BMNJ	POL FILM C 680nF 50V 5% ECQ-V PANASONIC	S AC
C 0320	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0416	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0321	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0417	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0322	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB	C 0418	VCCCTV1HH391J	CERAM C 390PF 50V 2125SMD	S AA
C 0323	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB	C 0419	VCCCTV1HH391J	CERAM C 390PF 50V 2125SMD	S AA
C 0324	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB	C 0420	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0325	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB	C 0421	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0326	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA	C 0422	VCEAGA1AW476M	ELEC C 47UF 20% 10V	S AA
C 0327	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0427	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
C 0328	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0430	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB
C 0329	VCCCPA1HH470J	CERAM C 47PF 5% 50V	S AA	C 0431	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB
C 0330	VCCCTV1HH470J	CERAM C 47PF 50V 2125SMD	S AA	C 0432	VCKYTV1CF105Z	CERAM C 1UF 16V 2125SMD	S AB
C 0331	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0434	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0332	VCEAGA1AW337M	ELEC C 330UF 20% 10V	S AA	C 0435	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
C 0333	VCCCTV1HH470J	CERAM C 47PF 50V 2125SMD	S AA	C 0436	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
C 0334	VCCCTV1HH5R0C	CERAM C 5PF 50V 2125SMD	S AA	C 0437	VCEAGA1HW476M	ELEC C 47UF 20% 50V	S AA
C 0335	VCCCTV1HH5R0C	CERAM C 5PF 50V 2125SMD	S AA	C 0438	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0336	VCCCTV1HH471J	CERAM C 470PF 50V 2125SMD	S AA	C 0443	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0337	VCCCTV1HH471J	CERAM C 470PF 50V 2125SMD	S AA	C 0447	VCCCTV1HH680J	CERAM C 68PF 50V 2125SMD	S AA
C 0338	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0451	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
C 0339	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0501	VCEAGA1EW477M	ELEC C 470UF 20% 25V	S AB
C 0340	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA	C 0502	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0341	RC-FZ4224BMNJ	POL FILM C 220nF 50V 5% ECQ-V PANASONIC	S AB	C 0503	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 0342	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA	C 0504	RC-FZ4684BMNJ	POL FILM C 680nF 50V 5% ECQ-V PANASONIC	S AC
C 0343	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA	C 0505	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0350	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0506	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0351	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA	C 0507	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA
C 0352	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA	C 0508	VCCCTV1HH561J	CERAM C 560PF 50V 2125SMD	S AA
C 0353	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA	C 0509	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
C 0354	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA	C 0510	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0356	RC-FZ4153BMNJ	POL FILM C 15nF 50V 5% ECQ-B PANASONIC	S AA	C 0511	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB
C 0357	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0512	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0358	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA	C 0514	RC-FZ4393BMNJ	POL FILM C 39NF 50V 5% ECQ-B PANASONIC	S AA
C 0359	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA	C 0515	VCCCTV1HH681J	CERAM C 680PF 50V 2125SMD	S AA
C 0360	VCCCTV1HH561J	CERAM C 560PF 50V 2125SMD	S AA	C 0516	VCCCTV1HH271J	CERAM C 270PF 50V 2125SMD	S AA
C 0361	RC-FZ4474BMNJ	POL FILM C 470nF 50V 5% ECQ-V PANASONIC	S AC	C 0518	VCCCTV1HH100D	CERAM C 10PF 50V 2125SMD	S AA
C 0362	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB	C 0520	VCEAGA1VW477M	ELEC C 470UF 20% 35V	S AC
C 0363	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA	C 0521	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
C 0364	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0522	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0365	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA	C 0524	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA
C 0366	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0525	VRS-TV1JD562J	2125 5,6KOHM 5% 1/10W SMD	S AA
C 0367	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0526	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
C 0527	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0807	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0528	VCEAGA1JW106M	ELEC C 10UF 20% 63V	S AA	C 0808	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0530	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	C 0809	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
C 0531	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA	C 0811	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0532	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA	C 0812	VCEAGA1HW226M	ELEC C 22UF 20% 50V	S AA
C 0534	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA	C 0813	VCCCTV1HH3R3C	CERAM C 3,3PF 50V 2125SMD	S AA
C 0536	VCEAGA1AW476M	ELEC C 47UF 20% 10V	S AA	C 0814	VCCCTV1HH6R8D	CERAM C 6,8PF 50V 2125SMD	S AA
C 0537	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA	C 0815	VCEAGA1HW226M	ELEC C 22UF 20% 50V	S AA
C 0601	RC-FZ0171BMZZ	C MKP 15NF 1700V PHILIPS	S AE	C 0816	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0606	VCKYTV1HB104K	CERAM C 100NF 50V 2125SMD	S AA	C 0817	VCKYTV1HB104K	CERAM C 100NF 50V 2125SMD	S AA
C 0607	VCEAGA1AW337M	ELEC C 330UF 20% 10V	S AA	C 0818	VCEAGA1CW107M	ELEC C 100UF 20% 16V	S AA
C 0610	RC-FZ0186BMZZ	C 22NF 630V 222237514223 PHILIPS	S AD	C 0819	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
C 0611	RC-FZ6684BMNJ	PP FILM C 680NF 5% 250V	S AE	C 0820	RC-FZ4684BMNJ	POL FILM C 680nF 50V 5% ECQ-V PANASONIC	S AC
C 0613	RC-FZ6564BMNJ	PP FILM C 560NF 5% 250V	S AF	C 0821	RC-FZ4684BMNJ	POL FILM C 680nF 50V 5% ECQ-V PANASONIC	S AC
C 0615	VCEAGA1EW477M	ELEC C 470UF 20% 25V	S AB	C 0822	RC-FZ4684BMNJ	POL FILM C 680nF 50V 5% ECQ-V PANASONIC	S AC
C 0616	VCEAGA1VW477M	ELEC C 470UF 20% 35V	S AC	C 0823	VCCCTV1HH821J	CERAM C 820PF 50V 2125SMD	S AA
C 0617	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 0824	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
C 0619	VCEA4A2CN225M	C UVZ2C2R2MEH1TA NICHICON	S AB	C 0825	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA
C 0620	VCEA4A2CN225M	C UVZ2C2R2MEH1TA NICHICON	S AB	C 1001	VCEAGA1JW477M	ELEC C 470UF 20% 6,3V	S AA
C 0624	RC-FZ4224BMNJ	POL FILM C 220nF 50V 5% ECQ-V PANASONIC	S AB	C 1002	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0632	VCEAGA1EW477M	ELEC C 470UF 20% 25V	S AB	C 1005	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0643	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	C 1014	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0644	VCEAGA1CW227M	ELEC C 220UF 20% 16V	S AA	C 1017	VCKYTV1HB104K	CERAM C 100NF 50V 2125SMD	S AA
C 0645	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	C 1018	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0651	RC-KZ0073CEZZ	CERAM C 2,2NF 2KV	S AD	C 1019	VCCCTV1HH470J	CERAM C 47PF 50V 2125SMD	S AA
△ C 0701	RC-FZ0070BMZZ	PLAST C MET 0,1uF 250V B81121-C-B125	S AD	C 1020	VCCCTV1HH680J	CERAM C 68PF 50V 2125SMD	S AA
C 0702	RC-FZ0173BMZZ	POL C 47NF 400V PHIL.365	S AZ	C 1021	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0703	RC-KZ0165BMZZ	CERAM C DE0905-979E332ZAC250	S AB	C 1022	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0704	RC-KZ0165BMZZ	CERAM C DE0905-979E332ZAC250	S AB	C 1023	VCKYTV1HF153Z	CERAM C 15NF 50V 2125SMD	S AA
C 0705	RC-EZ0141BMZZ	ELEC C 68UF 450V	S AL	C 1024	VCKYTV1HF153Z	CERAM C 15NF 50V 2125SMD	S AA
C 0706	VCEAGA1CW226M	ELEC C 22UF 20% 16V	S AA	C 1025	VCKYTV1HF153Z	CERAM C 15NF 50V 2125SMD	S AA
C 0707	VCEAGA1CW107M	ELEC C 100UF 20% 16V	S AA	C 1026	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
C 0711	RC-KZ0036CEZZ	CERAM C 330PF 2KV	S AB	C 1027	VCEAGA1AW477M	ELEC C 470UF 20% 10V	S AB
C 0712	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA	C 1028	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0713	RC-FZ4683BMNJ	POL FILM C 68nF 50V 5% ECQ-B PANASONIC	S AB	C 1030	VCCCTV1HH331J	CERAM C 330PF 50V 2125SMD	S AA
C 0714	RC-FZ4823BMNJ	POL FILM C 82nF 50V 5% ECQ-B PANASONIC	S AA	C 1032	VCEAGA1AW476M	ELEC C 47UF 20% 10V	S AA
C 0715	VCCCTV1HH331J	CERAM C 330PF 50V 2125SMD	S AA	C 1033	VCKYTV1HF683Z	CERAM C 68NF 50V 2125SMD	S AA
C 0716	VCKYTV1HB332K	CERAM C 3,3NF 50V 2125SMD	S AA	C 1034	VCCCTV1HH100D	CERAM C 10PF 50V 2125SMD	S AA
C 0717	VCKYTV1HB153K	CERAM C 15NF 50V 2125SMD	S AA	C 2401	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA
C 0718	VCEAGA1EW108M	ELEC C 1000UF 20% 25V	S AD	C 2402	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA
C 0719	VCEAGA1EW108M	ELEC C 1000UF 20% 25V	S AD	C 2403	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0720	RC-EZ0258CEZZ	ELEC C 100MF 200V	S AK	C 2404	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0721	RC-EZ0132BMZZ	C UVX1V471MPA1CA NICHICON	S AC	C 2405	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0722	VCKYTV1HB104K	CERAM C 100NF 50V 2125SMD	S AA	C 2406	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0723	VCEAGA1AW228M	ELEC C 2200UF 20% 10V	S AD	C 2407	VCKYTV1EF224Z	CERAM C 220NF 25V 2125SMD	S AA
C 0724	VCEAGA1CW227M	ELEC C 220UF 20% 16V	S AA	C 2408	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 0725	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA	C0710CP	RC-FZ0156BMZZ	C B32529-B6473K SIEMENS	S AE
C 0728	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA			<b>RESISTORS</b>	
C 0730	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	R 0203	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
C 0731	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	R 0204	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
C 0732	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	R 0205	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
C 0733	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA	R 0208	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
C 0735	VCKYTV1HB272K	CERAM C 2,7NF 50V 2125SMD	S AB	R 0209	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA
C 0737	VCKYTV1CF105Z	CERAM C 1UF 16V 2125SMD	S AB	R 0210	VRS-TV1JD152J	2125 1.5KOHM 5% 1/10W SMD	S AA
C 0738	VCCCTV1HH560J	CERAM C 56PF 50V 2125SMD	S AA	R 0211	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
C 0739	VCEAGA1CW227M	ELEC C 220UF 20% 16V	S AA	R 0216	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA
C 0740	VCKYTV1HF223Z	CERAM C 22NF 50V 2125SMD	S AA	R 0217	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
C 0741	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	R 0218	VRS-TV1JD333J	2125 33KOHM 5% 1/10W SMD	S AA
C 0742	VCKYTV1HB683K	CERAM C 68NF 50V 2125SMD	S AA	R 0219	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
C 0743	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	R 0220	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
△ C 0746	RC-FZ0070BMZZ	PLAST C MET 0,1uF 250V B81121-C-B125	S AD	R 0226	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
△ C 0770	RC-KZ0106GEZZ	CERAM C DE1410 E332M-KX	S AC	R 0229	VRD-RA2HD822J	RES 8,2KOHM 5% 1/2W	S AA
C 0801	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	R 0230	VRD-RA2HD822J	RES 8,2KOHM 5% 1/2W	S AA
C 0802	VCEAGA1HW106M	ELEC C 10UF 20% 50V	S AA	R 0231	VRD-RA2HD822J	RES 8,2KOHM 5% 1/2W	S AA
C 0803	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA	R 0232	VRD-RA2BE561J	RES 560 OHM 5% 1/8W	S AA
C 0804	VCEAGA1HW335M	ELEC C 3,3UF 20% 50V	S AA				

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
R 0233	VRD-RA2BE561J	RES 560 OHM 5% 1/8W	S AA	R 0401	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
R 0234	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	R 0402	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
R 0235	VRS-TV1JD392J	2125 3.9KOHM 5% 1/10W SMD	S AA	R 0403	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0236	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0404	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0237	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	R 0405	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0238	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	R 0406	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0239	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0407	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
R 0240	VRS-TV1JD224J	2125 220KOHM 5% 1/10W SMD	S AA	R 0408	VRD-RA2EE750J	RES 75 OHM 5% 1/4W	S AA
R 0241	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0409	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
R 0242	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0410	VRS-TV1JD223F	2125 22KOHM 1% 1/10W SMD	S AA
R 0243	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0412	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0244	VRS-TV1JD333J	2125 33KOHM 5% 1/10W SMD	S AA	R 0413	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0245	VRS-TV1JD152J	2125 1.5KOHM 5% 1/10W SMD	S AA	R 0414	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0246	VRS-TV1JD224J	2125 220KOHM 5% 1/10W SMD	S AA	R 0415	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0247	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0416	VRS-TV1JD223F	2125 22KOHM 1% 1/10W SMD	S AA
R 0248	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0418	VRD-RA2HD680J	RES 68 OHM 5% 1/2W	S AA
R 0249	VRS-TV1JD824J	2125 820KOHM 5% 1/10W SMD	S AA	R 0419	VRD-RA2EE750J	RES 75 OHM 5% 1/4W	S AA
R 0251	VRS-TV1JD683J	2125 68KOHM 5% 1/10W SMD	S AA	R 0420	VRD-RA2BE102J	RES 1KOHM 5% 1/8W	S AA
R 0252	VRS-TV1JD183J	2125 18KOHM 5% 1/10W SMD	S AA	R 0421	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA
R 0253	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0422	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA
R 0254	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA	R 0423	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA
R 0255	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0424	VRD-RA2BE750J	RES 75 OHM 5% 1/8W	S AA
R 0256	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA	R 0425	VRD-RA2EE750J	RES 75 OHM 5% 1/4W	S AA
R 0257	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	R 0426	VRD-RA2BE750J	RES 75 OHM 5% 1/8W	S AA
R 0258	VRS-TQ2BD220J	OX RE 22 OHM 5% 1/8W SMD	S AB	R 0427	VRS-TV1JD820J	2125 82 OHM 5% 1/10W SMD	S AA
R 0301	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0428	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0302	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0429	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0303	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0430	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0304	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0431	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0306	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	R 0432	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA
R 0307	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	R 0433	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA
R 0308	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0434	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0309	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA	R 0435	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0310	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	△ R 0436	RR-XZ0112BMZZ	FUS RES 10R TAP 5% 1/3W	S AB
R 0311	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0437	VRS-TV1JD471J	2125 470 OHM 5% 1/10W SMD	S AA
R 0312	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA	R 0445	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA
R 0313	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0447	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
R 0314	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0448	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
R 0315	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	R 0450	VRS-TV1JD220J	2125 22 OHM 5% 1/10W SMD	S AA
R 0316	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	R 0451	VRD-RA2HD102J	RES 1KOHM 5% 1/2W	S AA
R 0317	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	R 0452	VRS-TV1JD223F	2125 22KOHM 1% 1/10W SMD	S AA
R 0318	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0453	VRS-TV1JD183F	2125 18KOHM 1% 1/10W SMD	S AA
R 0319	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0454	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA
R 0320	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	R 0455	VRD-RA2BE103J	RES 10KOHM 5% 1/8W	S AA
R 0321	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0456	VRS-TV1JD153J	2125 15KOHM 5% 1/10W SMD	S AA
R 0322	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0458	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0323	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0459	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0350	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0460	VRS-TV1JD183F	2125 18KOHM 1% 1/10W SMD	S AA
R 0351	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA	R 0461	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA
R 0352	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0462	VRS-TV1JD183F	2125 18KOHM 1% 1/10W SMD	S AA
R 0353	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA	R 0463	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0354	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0464	VRD-RA2BE221J	RES 220 OHM 5% 1/8W	S AA
R 0355	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA	R 0465	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
R 0356	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0466	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
R 0357	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA	R 0467	VRS-TQ2BD333J	OX RE 33KOHM 5% 1/8W SMD	S AA
R 0358	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0468	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 0359	VRD-RA2BE104J	RES 100KOHM 5% 1/8W	S AA	R 0501	VRD-RA2HD101J	RES 100 OHM 5% 1/2W	S AA
R 0360	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0502	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA
R 0361	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0503	VRD-RA2BE102J	RES 1KOHM 5% 1/8W	S AA
R 0362	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0504	VRS-TV1JD393J	2125 39KOHM 5% 1/10W SMD	S AA
R 0363	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0505	VRS-TV1JD222J	2125 2.2KOHM 5% 1/10W SMD	S AA
R 0372	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0506	VRS-TQ2BD121J	OX RE 120 OHM 5% 1/8W SMD	S AB
R 0373	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0507	VRS-TV1JD822J	2125 8.2KOHM 5% 1/10W SMD	S AA
R 0374	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA	R 0508	VRD-RA2BE681J	RES 680 OHM 5% 1/8W	S AA
R 0375	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA	R 0509	VRS-TV1JD393J	2125 39KOHM 5% 1/10W SMD	S AA
R 0376	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0510	VRS-TV1JD822J	2125 8.2KOHM 5% 1/10W SMD	S AA



REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
R 0511	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA	R 0654	VRW-KP3HC5R6K	WOUND RES 5,6 OHM 10% 5W	S AC
R 0512	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	R 0703	VRD-RA2HD154J	RES 150KOHM 5% 1/2W	S AA
R 0513	VRS-TV1JD224J	2125 220KOHM 5% 1/10W SMD	S AA	R 0706	VRS-TV1JD203J	2125 20KOHM 5% 1/10W SMD	S AA
R 0514	VRS-TV1JD271J	2125 270 OHM 5% 1/10W SMD	S AA	R 0707	VRS-TV1JD912J	2125 9.1KOHM 5% 1/10W SMD	S AA
R 0515	VRS-TV1JD122J	2125 1.2KOHM 5% 1/10W SMD	S AA	R 0708	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0516	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0711	VRS-TV1JD182J	2125 1,8KOHM 5% 1/10W SMD	S AA
R 0517	VRS-TV1JD153J	2125 15KOHM 5% 1/10W SMD	S AA	R 0712	VRS-TV1JD561J	2125 560 OHM 5% 1/10W SMD	S AA
R 0518	VRN-VV3DB1R2J	MET FILM R 1,2 OHM 5% 2W	S AB	R 0713	VRC-MA2HG564J	SOLID R 560KOHM 5% 1/2W	S AA
R 0519	VRD-RA2HD104J	RES 100KOHM 5% 1/2W	S AA	R 0714	VRC-MA2HG564J	SOLID R 560KOHM 5% 1/2W	S AA
R 0521	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA	R 0715	VRW-KS3HC473J	WOUND RES 47KOHM 5% 5W	S AE
R 0522	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA	R 0716	VRN-VV3DBR18K	MET FILM R. 18 OHM 10% 2W	S AB
R 0524	VRS-TV1JD820J	2125 82 OHM 5% 1/10W SMD	S AA	R 0717	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA
R 0525	VRS-TV1JD563J	2125 56KOHM 5% 1/10W SMD	S AA	R 0718	VRS-TQ2BD000J	3216 0 OHM 5% 1/8W SMD	S AA
R 0526	VRD-RA2BE472J	RES 4,7KOHM 5% 1/8W	S AA	R 0719	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
R 0527	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0720	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
R 0528	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0721	VRD-RA2HD154J	RES 150KOHM 5% 1/2W	S AA
△ R 0530	RR-XZ0212BMZZ	FUS RES 10R TAP 5% 1/2W	S AB	R 0722	VRS-TV1JD330J	2125 33 OHM 5% 1/10W SMD	S AA
R 0532	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	R 0723	VRS-VV3AB271J	MET OX RES 270 OHM 5% 1W	S AA
R 0533	VRD-RA2EE821J	RES 820 OHM 5% 1/4W	S AA	R 0724	VRS-TQ2BD271J	OX RE 270 OHM 5% 1/8W SMD	S AA
R 0534	VRD-RA2BE273J	RES 27KOHM 5% 1/8W	S AA	R 0727	VRD-RA2HD181J	RES 180 OHM 5% 1/2W	S AA
R 0535	VRS-TV1JD682J	2125 6.8KOHM 5% 1/10W SMD	S AA	R 0728	VRD-RA2HD181J	RES 180 OHM 5% 1/2W	S AA
R 0537	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	R 0730	VRS-VV3DB151J	MET OX RES 150 OHM 5% 2W	S AA
R 0538	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA	R 0733	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 0539	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	R 0735	VRS-TV1JD474J	2125 470KOHM 5% 1/10W SMD	S AA
R 0540	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0736	VRS-TV1JD474J	2125 470KOHM 5% 1/10W SMD	S AA
R 0541	VRD-RA2BE333J	RES 33KOHM 5% 1/8W	S AA	R 0737	VRS-TV1JD184J	2125 180KOHM 5% 1/10W SMD	S AA
R 0542	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	R 0738	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 0544	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	R 0739	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 0545	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	R 0740	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 0547	VRS-TV1JD392J	2125 3.9KOHM 5% 1/10W SMD	S AA	△ R 0741	VRC-UA2HG825K	SOLID R 8,2MOHM 10% 1/2W	S AA
R 0548	VRS-TV1JD562J	2125 5,6KOHM 5% 1/10W SMD	S AA	△ R 0742	VRC-UA2HG825K	SOLID R 8,2MOHM 10% 1/2W	S AA
R 0549	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA	R 0743	VRS-TQ2BD473F	OX RE 47KOHM 1% 1/8W	S AA
R 0550	VRD-RA2BE123J	RES 12KOHM 5% 1/8W	S AA	R 0744	VRS-TQ2BD473F	OX RE 47KOHM 1% 1/8W	S AA
R 0552	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	R 0745	VRS-TV1JD182F	2125 1,8KOHM 1% 1/10W SMD	S AA
△ R 0553	RR-XZ0100BMZZ	FUS RES 1R0 TAP 5% 1/3W	S AB	R 0746	VRS-TV1JD153J	2125 15KOHM 5% 1/10W SMD	S AA
R 0554	VRS-TV1JD561J	2125 560 OHM 5% 1/10W SMD	S AA	R 0747	VRS-TV1JD272J	2125 2,7KOHM 5% 1/10W SMD	S AA
R 0555	VRS-TV1JD824J	2125 820KOHM 5% 1/10W SMD	S AA	R 0748	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA
R 0556	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0750	VRS-TV1JD105J	2125 1MOHM 5% 1/10W SMD	S AA
R 0558	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	R 0751	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 0601	VRS-TV1JD392J	2125 3.9KOHM 5% 1/10W SMD	S AA	R 0754	VRS-TV1JD2R7J	2125 2,7 OHM 5% 1/10W SMD	S AA
R 0603	VRD-RA2BE331J	RES 330 OHM 5% 1/8W	S AA	R 0755	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
R 0605	VRS-TV1JD471J	2125 470 OHM 5% 1/10W SMD	S AA	R 0758	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 0607	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA	R 0762	VRS-TQ2BD221J	OX RE 220 OHM 5% 1/8W SMD	S AA
R 0608	VRD-RA2EE102J	RES 1KOHM 5% 1/4W	S AA	△ R 0763	RR-XZ0224BMZZ	FUS RES 100R TAP 5% 1/2W	S AB
△ R 0610	RR-XZ0206BMZZ	FUS RES 3R3 TAP 5% 1/2W	S AB	R 0765	VRS-TQ2BD101J	OX RE 100 OHM 5% 1/8W SMD	S AA
△ R 0612	RR-XZ0116BMZZ	FUS RES 22R TAP 5% 1/3W	S AB	R 0766	VRS-TQ2BD101J	OX RE 100 OHM 5% 1/8W SMD	S AA
R 0613	VRS-LU3LB332J	SET MET OX R 3,3KOHM 5% 3W LW	S AB	R 0767	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
R 0614	VRD-RA2HD103J	RES 10KOHM 5% 1/2W	S AA	R 0768	VRS-TQ2BD221J	OX RE 220 OHM 5% 1/8W SMD	S AA
R 0615	VRS-TV1JD561J	2125 560 OHM 5% 1/10W SMD	S AA	R 0769	VRS-TV1JD821J	2125 820 OHM 5% 1/10W SMD	S AA
R 0616	VRN-VV3AB2R7J	MET FILM R 2,7 OHM 5% 1W	S AA	△ R 0770	RR-XZ0229BMZZ	FUS RES 270R TAP 5% 1/2W	S AA
△ R 0617	RR-XZ0216BMZZ	FUS RES 22R TAP 5% 1/2W	S AB	R 0771	VRS-VV3AB474J	MET OX RES 470KOHM 5% 1W	S AA
R 0618	VRD-RA2BE102J	RES 1KOHM 5% 1/8W	S AA	R 0774	VRS-TQ2BD474J	OX RE 470KOHM 5% 1/8W SMD	S AA
R 0619	VRD-RA2HD561J	RES 560 OHM 5% 1/2W	S AA	R 0775	VRS-TQ2BD474J	OX RE 470KOHM 5% 1/8W SMD	S AA
R 0620	VRD-RA2BE102J	RES 1KOHM 5% 1/8W	S AA	R 0776	VRS-TV1JD823J	2125 82KOHM 5% 1/10W SMD	S AA
R 0622	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	R 0777	VRS-TV1JD470J	2125 47 OHM 5% 1/10W SMD	S AA
R 0624	VRN-LU3DB5R6J	SET MET FILM 5,6 OHM 5% 2W LW	S AB	R 0787	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 0625	VRS-TQ2BD181J	OX RE 180 OHM 5% 1/8W SMD	S AA	R 0788	VRS-TV1JD183J	2125 18KOHM 5% 1/10W SMD	S AA
R 0626	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	R 0789	VRS-TV1JD183J	2125 18KOHM 5% 1/10W SMD	S AA
R 0627	VRS-TQ2BD181J	OX RE 180 OHM 5% 1/8W SMD	S AA	R 0790	VRD-RA2BE183J	RES 18KOHM 5% 1/8W	S AA
R 0628	VRD-RA2EE102J	RES 1KOHM 5% 1/4W	S AA	R 0791	VRD-RA2BE183J	RES 18KOHM 5% 1/8W	S AA
R 0642	VRS-TV1JD471J	2125 470 OHM 5% 1/10W SMD	S AA	R 0792	VRD-RA2BE682J	RES 6,8KOHM 5% 1/8W	S AA
△ R 0643	RR-XZ0200BMZZ	FUS RES 1R0 TAP 5% 1/2W	S AB	R 0801	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
R 0644	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	R 0803	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 0646	VRS-TV1JD105J	2125 1MOHM 5% 1/10W SMD	S AA	R 0804	VRS-TV1JD271J	2125 270 OHM 5% 1/10W SMD	S AA
R 0647	VRS-TV1JD153J	2125 15KOHM 5% 1/10W SMD	S AA	R 0805	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA
R 0650	VRD-RA2BE562J	RES 5,6KOHM 5% 1/8W	S AA	R 0806	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
R 0807	VRS-TV1JD333J	2125 33KOHM 5% 1/10W SMD	S AA				
R 0808	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA			<b>MISCELLANEOUS PARTS</b>	
R 0809	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA		LCHSM1011BMZZ	CHASSIS FRAME	S AL
R 0810	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	IC 1002	QSOCZ0115SC32	SOCKET IC 32 PIN	S AB
R 0811	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	(AA)	QCNCM0672FCZZ	CONN B2P3-VH JST	S AB
R 0812	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA	(CC)	QPLGN0241CEZZ	PLUG	S AA
R 1001	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	(EW)	QPLGN0241CEZZ	PLUG	S AA
R 1002	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	(F)	QPLGN0505CEZZ	PLUG	S AB
R 1003	VRD-RA2BE332J	RES 3,3KOHM 5% 1/8W	S AA	(FV)	QPLGN0241CEZZ	PLUG	S AA
R 1004	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	(G)	QPLGN0207CEZZ	PLUG	S AA
R 1005	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	(H)	QPLGN0541CEZZ	PLUG	S AA
R 1017	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	(HD)	QPLGN0341CEZZ	PLUG	S AA
R 1018	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	(K)	QPLGN0841CEZZ	PLUG	S AB
R 1019	VRD-RA2BE332J	RES 3,3KOHM 5% 1/8W	S AA	(MO)	QPLGN0441CEZZ	PLUG 4PIN	S AA
R 1020	VRD-RA2BE332J	RES 3,3KOHM 5% 1/8W	S AA	(OPC)	QPLGN0341CEZZ	PLUG	S AA
R 1021	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	(PW)	QCNCM0672FCZZ	CONN B2P3-VH JST	S AB
R 1022	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	(RC)	QPLGN0341CEZZ	PLUG	S AA
R 1023	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	(RT)	QPLGN0241CEZZ	PLUG	S AA
R 1024	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	(SB)	QSOCN0685CEZZ	SOCKET	S AC
R 1025	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	(SP)	QPLGN0441CEZZ	PLUG 4PIN	S AA
R 1026	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA	(SS)	QPLGN0341CEZZ	PLUG	S AA
R 1027	VRD-RA2BE103J	RES 10KOHM 5% 1/8W	S AA	(ST)	QPLGN0341CEZZ	PLUG	S AA
R 1028	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	(SV)	QPLGN0341CEZZ	PLUG	S AA
R 1029	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	(SW1)	QPLGN0341CEZZ	PLUG	S AA
R 1030	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	(SW2)	QPLGN0341CEZZ	PLUG	S AA
R 1031	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	CN001	QSOCZ2109BMZZ	TWIN SCART JR21A13 CONECT	S AK
R 1032	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA	CN002	QSOCZ2107BMZZ	SOCKET	S AE
R 1033	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	△ F 0601	QFS-J2521CEZZ	FUSE 2,5A/125V LITTELFUSE	S AD
R 1035	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	△ F 0602	QFS-J2521CEZZ	FUSE 2,5A/125V LITTELFUSE	S AD
R 1036	VRD-RA2BE472J	RES 4,7KOHM 5% 1/8W	S AA	FB 0301	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1037	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	FB 0302	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1040	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	FB 0303	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1041	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	FB 0501	RBLN-0020CEZZ	BALUNE	S AB
R 1042	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	FB 0701	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1043	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	FB 0702	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1044	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	FB 0703	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1045	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA	FB 0705	RBLN-0020CEZZ	BALUNE	S AB
R 1046	VRS-TV1JD182J	2125 1,8KOHM 5% 1/10W SMD	S AA	FB 0801	VP-NM3R3MR19N	COIL 3,3UH SMD	S AD
R 1047	VRD-RA2BE103J	RES 10KOHM 5% 1/8W	S AA	FB 0802	RCORF0003GEZZ	SMDFERRIT HF50ACB322513	S AC
R 1048	VRS-TV1JD821J	2125 820 OHM 5% 1/10W SMD	S AA	FB 1001	VRS-TQ2BD000J	3216 0 OHM 5% 1/8W SMD	S AA
R 1049	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	FB 1002	RBLN-0037CEZZ	BALUN FBA04HA90088-00 T/Y	S AB
R 1050	VRD-RA2BE221J	RES 220 OHM 5% 1/8W	S AA	J 0002	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1051	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA	J 0039	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
R 1052	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	J 0062	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
R 1053	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	J 0065	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1054	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	J 0098	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1055	VRD-RA2BE473J	RES 47KOHM 5% 1/8W	S AA	J 0126	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1056	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	J 0132	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1057	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA	△ J 0152	QFS-J1023CEZZ	FUSE 492001 T1 LITTELFUSE	S AA
R 1058	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	J 0218	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1059	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	J 0219	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1064	VRD-RA2BE101J	RES 100 OHM 5% 1/8W	S AA	J 0220	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2401	VRS-TV1JD471J	2125 470 OHM 5% 1/10W SMD	S AA	J 0231	VRD-RA2BE392J	RES 3,9KOHM 5% 1/8W	S AA
R 2402	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA	J 0240	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2403	VRS-TV1JD152J	2125 1.5KOHM 5% 1/10W SMD	S AA	J 0248	VRD-RA2HD102J	RES 1KOHM 5% 1/2W	S AA
R 2404	VRS-TV1JD560J	2125 56 OHM 5% 1/10W SMD	S AA	J 0279	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2405	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA	J 0281	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2406	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA	J 0283	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2407	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA	J 0286	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2408	VRS-TV1JD332J	2125 3.3KOHM 5% 1/10W SMD	S AA	J 0289	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2409	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	J 0294	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2410	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	J 0302	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2411	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	J 0310	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 2412	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	J 0313	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
RA 0611	VRS-VV3DB102J	MET OX RES 1KOHM 5% 2W	S AA	J 0324	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
				J 0325	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
J 0332	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1608	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA
J 0335	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1609	VCEAGA1CW106M	ELEC C 10UF 20% 16V	S AA
J 0336	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1610	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
J 0338	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1611	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
J 0339	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1612	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
J 0341	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1613	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
J 0342	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1801	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
J 0701	VCKYTV1HB104K	CERAM C 100NF 50V 2125SMD	S AA	C 1802	VCCCTV1HH150J	CERAM C 15PF 50V 2125SMD	S AA
JF 0003	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1803	VCCCTV1HH150J	CERAM C 15PF 50V 2125SMD	S AA
JF 0015	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1804	VCCCTV1HH150J	CERAM C 15PF 50V 2125SMD	S AA
JF 0016	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1805	VCKYTV1HF224Z	CERAM C 220NF 50V 2125SMD	S AA
JF 0020	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1806	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
JF 0021	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1807	VCEAGA1CW108M	ELEC C 1000UF 20% 16V	S AC
JF 0022	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1808	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
JF 0038	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1809	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
JF 0052	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1810	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
JF 1005	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1811	VCEAGA2EW106M	ELEC C 10UF 20% 250V	S AC
JF 1006	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA	C 1812	VCEAGA2EW105M	ELEC C 1UF 20% 250V	S AB
JL 0012	QCNW-2803BMZZ	COAXIAL WIRE 1 WAY	S AD	C 1813	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
JL 0015	QCNW-2736BMZZ	WIRE 1 WAY	S AF	C 1814	VCKYPB3DE472Z	C DE1110-1E47222K MURATA	S AC
L 0002	QTIPM0017CEFM	TIP	S AA	C 1815	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
L 0005	QTIPM0017CEFM	TIP	S AA	C 1820	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA
T 0702	VHDBTW34F//1	DIODE BT134W-500 PHILIPS	S AE	C 1821	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA
<b>PWB-D CRT UNIT</b>				C 1822	VCCCTV1HH220J	CERAM C 22PF 50V 2125SMD	S AA
<b>INTEGRATED CIRCUITS</b>				C 1824	VCKYPA2HB472K	CERAM C 4,7NF 10% 500V	S AB
IC 1601	VHIBA4558F/-1	IC BA4558F-E2 ROHM OP-AMP	S AC	C 1825	RC-KZ0029CEZZ	CERAM C 10NF 80,20% 250V	S AC
IC 1801	RH-IX1416BMZZ	IC TEA 5101A	S AN	C 1830	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
<b>TRANSISTORS</b>				C 1831	VCFYAA2EA333K	POL FILM C 33NF 10% 250V	S AE
Q 0901	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5405	RC-FZ4224BMNJ	POL FILM C 220nF 50V 5% ECQ-V PANASONIC	S AB
Q 0902	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5408	VCKYPA2HB472K	CERAM C 4,7NF 10% 500V	S AB
Q 0903	VS2SA1037KQ-1	TRT BC807 SMD	S AA	C 5409	VCKYTV1HB472K	CERAM C 4,7NF 50V 2125SMD	S AA
Q 0904	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5410	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
Q 0905	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5411	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA
Q 0906	VS2SA1037KQ-1	TRT BC807 SMD	S AA	C 5412	VCEAGA1CW107M	ELEC C 100UF 20% 16V	S AA
Q 0907	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5413	VCEAGA1CW107M	ELEC C 100UF 20% 16V	S AA
Q 0908	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	C 5414	VCEAGA2CW226M	ELEC C 22UF 20% 160V	S AC
Q 0909	VS2SA1037KQ-1	TRT BC807 SMD	S AA	C 5415	VCEAGA2CW226M	ELEC C 22UF 20% 160V	S AC
Q 0912	RH-TX0218BMZZ	TRT BC337-40 PHILIPS	S AA	C 5417	RC-FZ4222BMNJ	POL FILM C 2,2nF 50V 5% ECQ-B PANASONIC	S AA
Q 1603	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	<b>RESISTORS</b>			
Q 1604	VS2SA1037KQ-1	TRT BC807 SMD	S AA	R 1615	VRS-TV1JD105J	2125 1MOHM 5% 1/10W SMD	S AA
Q 5405	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	R 1616	VRS-TV1JD333J	2125 33KOHM 5% 1/10W SMD	S AA
Q 5406	VS2SA1037KQ-1	TRT BC807 SMD	S AA	R 1617	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA
Q 5407	VS2SA1837//1	TRT A1837 TOSHIBA	S AE	R 1618	VRS-TV1JD104J	2125 100KOHM 5% 1/10W SMD	S AA
Q 5408	VS2SC4793//1	TRT C4793 TOSHIBA	S AE	R 1619	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
Q 5410	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	R 1620	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
Q 5411	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA	R 1621	VRS-VV3AB101J	MET OX RES 100 OHM 5% 1W	S AA
Q 5412	VS2SA1037KQ-1	TRT BC807 SMD	S AA	R 1622	VRS-TV1JD223J	2125 22KOHM 5% 1/10W SMD	S AA
<b>DIODES</b>				R 1623	VRS-VV3AB101J	MET OX RES 100 OHM 5% 1W	S AA
D 1607	RH-EX0537BMZZ	ZENER DIODE TZMC2V4 TFK SMD	S AA	R 1624	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
D 1804	RH-DX0505BMZZ	DIODE 1N4935	S AE	R 1801	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
D 1805	RH-EX0554BMZZ	ZENER DIODE TZMC12 TFK SMD	S AA	R 1802	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
D 1809	RH-DX0501BMZZ	DIODE 1N4004	S AA	R 1803	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
D 5403	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	R 1804	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
D 5404	RH-DX0501BMZZ	DIODE 1N4004	S AA	R 1805	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
D 5405	RH-DX0501BMZZ	DIODE 1N4004	S AA	R 1806	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
D 5410	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA	R 1807	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
D 5411	RH-DX0501BMZZ	DIODE 1N4004	S AA	R 1808	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
D 5412	RH-DX0501BMZZ	DIODE 1N4004	S AA	R 1809	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
<b>COILS</b>				R 1810	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
L 1604	VP-DF470K0000	PEAK COIL 47UH 10%	S AB	R 1811	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA
<b>CAPACITORS</b>				R 1812	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
				R 1813	VRS-TV1JD750J	2125 75 OHM 5% 1/10W SMD	S AA
				R 1814	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
				R 1815	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
				R 1816	VRS-TV1JD221J	2125 220 OHM 5% 1/10W SMD	S AA

REF No.	PARTS	DESCRIPTION	* CODE
R 1817	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 1818	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 1819	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 1820	VRD-RA2HD823J	RES 82KOHM 5% 1/2W	S AA
R 1821	VRD-RA2HD823J	RES 82KOHM 5% 1/2W	S AA
R 1822	VRD-RA2HD823J	RES 82KOHM 5% 1/2W	S AA
R 1823	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA
R 1824	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA
R 1825	VRS-TV1JD222J	2125 2,2KOHM 5% 1/10W SMD	S AA
R 1830	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA
R 1831	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 1832	VRC-MA2HG681J	SOLID R 680 OHM 5% 1/2W	S AB
R 1833	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 1834	VRC-MA2HG681J	SOLID R 680 OHM 5% 1/2W	S AB
R 1835	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 1836	VRC-MA2HG681J	SOLID R 680 OHM 5% 1/2W	S AB
R 1837	VRS-TV1JD225J	2125 2,2MOHM 5% 1/10W SMD	S AA
R 1839	VRS-TV1JD100J	2125 10 OHM 5% 1/10W SMD	S AA
R 1840	VRS-TV1JD822J	2125 8,2KOHM 5% 1/10W SMD	S AA
R 1841	VRD-RA2BE20J	RES 22 OHM 5% 1/8W	S AA
R 1843	VRS-TV1JD220J	2125 22 OHM 5% 1/10W SMD	S AA
R 5412	VRS-TV1JD470J	2125 47 OHM 5% 1/10W SMD	S AA
R 5413	VRS-TV1JD220J	2125 22 OHM 5% 1/10W SMD	S AA
R 5414	VRS-TV1JD220J	2125 22 OHM 5% 1/10W SMD	S AA
R 5415	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 5416	VRS-TV1JD683J	2125 68KOHM 5% 1/10W SMD	S AA
R 5417	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA
R 5418	VRS-TV1JD683J	2125 68KOHM 5% 1/10W SMD	S AA
R 5419	VRS-TV1JD122J	2125 1,2KOHM 5% 1/10W SMD	S AA
R 5420	VRD-RA2EE560J	RES 56 OHM 5% 1/4W	S AA
R 5421	VRD-RA2EE560J	RES 56 OHM 5% 1/4W	S AA
R 5422	VRD-RA2EE2R7J	RES 2,7 OHM 5% 1/4W	S AA
R 5423	VRD-RA2EE2R7J	RES 2,7 OHM 5% 1/4W	S AA
R 5425	VRS-VV3AB471J	MET OX RES 470 OHM 5% 1W	S AA
R 5426	VRS-VV3DB221J	MET FILM R 220 OHM 5% 2W	S AB
R 5428	VRD-RA2EE101J	RES 100 OHM 5% 1/4W	S AA
R 5431	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
R 5432	VRS-TV1JD330J	2125 33 OHM 5% 1/10W SMD	S AA
R 5433	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA
R 5434	VRS-TV1JD102J	2125 1KOHM 5% 1/10W SMD	S AA
R 5435	VRS-TV1JD331J	2125 330 OHM 5% 1/10W SMD	S AA
		<b>MISCELLANEOUS PARTS</b>	
△ SC 1801	QSOCV0936CEZZ	CRT SOCKET	S AM
(B)	QPLGN0341CEZZ	PLUG	S AA
(H)	QPLGN0541CEZZ	PLUG	S AA
(K)	QPLGN0841CEZZ	PLUG	S AB
(MO)	QPLGN0441CEZZ	PLUG 4PIN	S AA
(PU)	QPLGN0341CEZZ	PLUG	S AA
(Q)	QPLGN0341CEZZ	PLUG	S AA
(RT)	QPLGN0241CEZZ	PLUG	S AA
J 0004	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0005	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0071	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0072	VRD-RA2BE102J	RES 1KOHM 5% 1/8W	S AA
J 0074	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0075	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0076	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0077	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
J 0079	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
L 0003	QTIPM0017CEFM	TIP	S AA
	<b>PWB-E</b>	<b>CENTRAL SPEAKER AMPLIFIER UNIT</b>	
		<b>INTEGRATED CIRCUITS</b>	
IC 1300	VHIBA4558F/-1	IC BA4558F-E2 ROHM OP-AMP	S AC

REF No.	PARTS	DESCRIPTION	* CODE
IC 1302	WHITDA7480/-1	IC TDA7480 THOMSON	S AK
		<b>TRANSISTORS</b>	
Q 1301	VS2SC2412KQ-1	TRT 2SC2412 ROHM	S AA
		<b>COILS</b>	
L 1301	RCILP0278BMZZ	COIL A823LY-680K TOKO	S AD
L 1302	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
L 1303	VP-CF3R3K0000	PEAK COIL 3.3UH 10%	S AB
		<b>CAPACITORS</b>	
C 1302	RC-FZ4334BMNJ	POL FILM C 330nF 50V 5% ECQ-V PANASONIC	S AB
C 1303	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
C 1304	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 1305	VCEAGA1HW225M	ELEC C 2,2UF 20% 50V	S AB
C 1306	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
C 1307	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 1308	VCKYTV1HB472K	CERAM C 4.7NF 50V 2125SMD	S AA
C 1309	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA
C 1310	VCEAGA1EW227M	ELEC C 220UF 20% 25V	S AA
C 1311	VCKYTV1HF104Z	CERAM C 100NF 50V 2125SMD	S AA
C 1312	VCCCTV1HH101J	CERAM C 100PF 50V 2125SMD	S AA
C 1313	VCCCTV1HH561J	CERAM C 560PF 50V 2125SMD	S AA
C 1314	RC-FZ4474BMNJ	POL FILM C 470nF 50V 5% ECQ-V PANASONIC	S AC
C 1315	RC-FZ4104BMNJ	POL FILM C 100nF 50V 5% ECQ-V PANASONIC	S AA
		<b>RESISTORS</b>	
R 1301	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA
R 1302	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA
R 1304	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
R 1307	VRS-TV1JD153J	2125 15KOHM 5% 1/10W SMD	S AA
R 1308	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA
R 1309	VRS-TV1JD273J	2125 27KOHM 5% 1/10W SMD	S AA
R 1310	VRS-TV1JD473J	2125 47KOHM 5% 1/10W SMD	S AA
R 1311	VRS-TV1JD472J	2125 4.7KOHM 5% 1/10W SMD	S AA
R 1312	VRS-TV1JD123J	2125 12KOHM 5% 1/10W SMD	S AA
R 1313	VRS-TV1JD151J	2125 150 OHM 5% 1/10W SMD	S AA
		<b>DIODES</b>	
D 1303	RH-EX0411BMZZ	ZENER DIODE BZX79C6V8	S AA
D 1304	RH-EX0411BMZZ	ZENER DIODE BZX79C6V8	S AA
		<b>MISCELLANEOUS PARTS</b>	
JF 0001	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
JF 0002	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
(SB)	QPLGN0685CEZZ	PLUG	S AB
(SF)	QPLGN0241CEZZ	PLUG	S AA
(VS)	QPLGN0341CEZZ	PLUG	S AA
	<b>PWB-F</b>	<b>DINAMIC FOCUS UNIT</b>	
		<b>INTEGRATED CIRCUITS</b>	
IC 1701	RH-IX1801BMZZ	IC L6561D ST	S AH
		<b>TRANSISTORS</b>	
Q 1601	RH-TX0224BMZZ	TRT TIP32C THOMSON	S AE
Q 1701	RH-TX0231BMZZ	TRT 2SK2662 TOSHIBA	S AG
		<b>DIODES</b>	
D 1601	RH-EX0427BMZZ	ZENER DIODE BZX79C33V	S AA
D 1701	RH-DX0551BMZZ	DIODE LL4148 TFK SMD	S AA
D 1702	RH-EX0558BMZZ	ZENER DIODE TZMC18 TFK SMD	S AA
D 1703	RH-DX0618BMZZ	DIODE BVV28 VISHAY	S AE
		<b>TRANSFORMERS</b>	
T 1602	RTRNZ0575BMZZ	CHOPPER DINAMIC FOCUS DIEMEN	S AS
T 1701	RTRNZ0587BMZZ	BOOST INDUCTOR PFC HR-275N-15021-00	S AS
		<b>CAPACITORS</b>	

REF No.	PARTS	DESCRIPTION	* CODE	REF No.	PARTS	DESCRIPTION	* CODE
C 1601	RC-KZ0052CEZZ	CERAM C 1000PF 2KV MURATA	S AC	S 6702	QSW-K0079GEZZ	TACTILE SWITCH	S AA
C 1603	RC-KZ0052CEZZ	CERAM C 1000PF 2KV MURATA	S AC	S 6703	QSW-K0079GEZZ	TACTILE SWITCH	S AA
C 1701	RC-FZ0186BMZZ	C 22NF 630V 222237514223 PHILIPS	S AD	S 6704	QSW-K0079GEZZ	TACTILE SWITCH	S AA
C 1702	RC-FZ4103BMNJ	POL FILM C 10nF 50V 5% ECQ-B PANASONIC	S AA	S 6705	QSW-K0079GEZZ	TACTILE SWITCH	S AA
C 1703	VCEAGA1EW226M	ELEC C 22UF 20% 25V	S AA	<b>PWB-H FRONT AV UNIT</b>			
C 1704	RC-KZ0035CEZZ	CERAM C 220PF 2KV	S AC	<b>COILS</b>			
C 1705	VCKYTV1CF105Z	CERAM C 1UF 16V 2125SMD	S AB	L 0317	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
C 1706	VCKYTV1HB103K	CERAM C 10NF 50V 2125SMD	S AA	L 0318	VP-DF3R3K0000	PEAK COIL 3,3UH 10%	S AB
C 1707	RC-FZ0186BMZZ	C 22NF 630V 222237514223 PHILIPS	S AD	<b>CAPACITORS</b>			
<b>RESISTORS</b>				C 0336	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
R 1601	VRD-RA2HD181J	RES 180 OHM 5% 1/2W	S AA	C 0337	VCKYTV1HF103Z	CERAM C 10NF 50V 2125SMD	S AA
R 1701	VRS-TQ2BD154J	OX RE 150KOHM 5% 1/8W SMD	S AA	C 0428	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
R 1702	VRS-TQ2BD154J	OX RE 150KOHM 5% 1/8W SMD	S AA	C 0429	VCKYTV1HB102K	CERAM C 1NF 50V 2125SMD	S AA
R 1703	VRS-TQ2BD154J	OX RE 150KOHM 5% 1/8W SMD	S AA	<b>RESISTORS</b>			
R 1704	VRS-TQ2BD564J	RE OX 560KOHM 5% 1/8W SMD	S AA	R 0316	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
R 1705	VRS-TQ2BD564J	RE OX 560KOHM 5% 1/8W SMD	S AA	R 0317	VRS-TV1JD391J	2125 390 OHM 5% 1/10W SMD	S AA
R 1706	VRS-TQ2BD564J	RE OX 560KOHM 5% 1/8W SMD	S AA	R 0449	VRD-RA2EE750J	RES 75 OHM 5% 1/4W	S AA
R 1707	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	<b>MISCELLANEOUS PARTS</b>			
R 1708	VRS-TV1JD683J	2125 68KOHM 5% 1/10W SMD	S AA	(CC)	QCNW-2801BMZZ	WIRE 2 WAYS (CC)	S AF
R 1709	VRD-RA2BE100J	RES 10 OHM 5% 1/8W	S AA	(CC)	QPLGN0241CEZZ	PLUG	S AA
R 1710	VRN-VV3DBR47J	MET FILM R .47 OHM 5% 2W	S --	(FV)	QCNW-2825BMZZ	WIRE (FV) 2 WAYS	S AF
R 1711	VRS-TV1JD103J	2125 10KOHM 5% 1/10W SMD	S AA	(FV)	QPLGN0241CEZZ	PLUG	S AA
R 1712	VRS-TV1JD622F	2125 6.2KOHM 1% 1/10W SMD	S --	(HD)	QCNW-2849BMZZ	WIRE 3 WAYS HD	S AE
R 1713	VRS-TQ2BD334F	OX RE 330KOHM 1% 1/8W SMD	S AA	(HD)	QPLGN0341CEZZ	PLUG	S AA
R 1714	VRS-TQ2BD334F	OX RE 330KOHM 1% 1/8W SMD	S AA	(SS)	QCNW-2792BMZZ	WIRE 3 WAYS (SS)	S AE
R 1715	VRS-TQ2BD334F	OX RE 330KOHM 1% 1/8W SMD	S AA	(SS)	QPLGN0341CEZZ	PLUG	S AA
<b>MISCELLANEOUS PARTS</b>				J 0401	QJAKZ0015CEZZ	JACK	S AM
△ FOCO	RVR-Z0001BMZZ	VAR-RESISTOR POT 8222 419 34301	S BC	(CN04)	QJAKJ0047CEZZ	EARPHONE JACK HSJ0998-72	S AG
(EW)	QPLGN0241CEZZ	PLUG	S AA	JF 0001	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
(F)	QPLGN0505CEZZ	PLUG	S AB	JF 0003	VRS-TV1JD000J	2125 0 OHM 5% 1/10W SMD	S AA
(FF)	QPLGN0505CEZZ	PLUG	S AB	<b>MISCELLANEOUS PARTS</b>			
(PWA)	QCNCM0672FCZZ	CONN B2P3-VH JST	S AB	△	QACCB5007BMZZ	AC CORD 0.3MH	S AU
L 0005	QTIPM0017CEFM	TIP	S AA		RRMCG1073BMSA	R/C FLAT 50HZ MODEL HOSHIDEN	S AW
L 0006	QTIPM0017CEFM	TIP	S AA		VSP1206PB437A	SPEAKER 7 OHM 12W DAIWA	S AP
<b>PWB-G POWER SWITCH UNIT</b>					TINS-6894BMN1	OWNERS MANUAL	S AM
<b>DIODES</b>					TINS-6895BMN1	QUICK GUIDE	S --
D 6751	RH-PX0105BMZZ	LED SPB-25MVW ROHM	S AC		TINS-7019BMN1	TYPICAL CONNECTIONS SHEET	S --
D 6752	RH-PX0105BMZZ	LED SPB-25MVW ROHM	S AC		RCILG0422CEZZ	ROTATATION COIL 28-32" KURODA	S AN
<b>CAPACITORS</b>					RCORF2064XHZZ	FERRIT TRA31	S AD
C 6715	VCKYTV1CF105Z	CERAM C 1UF 16V 2125SMD	S AB	(FF)	QCNW-2851BMZZ	DEFLECTION WIRE CRT 322 FLAT PHILIPS	S AH
<b>RESISTORS</b>				(PU)	QCNW-2853BMZZ	SVM WIRE CRT 32" FLAT PHILIPS	S AE
R 6701	VRD-RA2HD124J	RES 120KOHM 5% 1/2W	S AA	(Q)	QCNW-2856BMZZ	SUPPLY WIRE CRT 32" FLAT 50Hz PHILIPS	S AE
R 6702	VRD-RA2HD124J	RES 120KOHM 5% 1/2W	S AA	(S)	QCNW-2862BMZZ	WIRE SPEAKERS FOR 32" FLAT	S AG
R 6738	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	(SF)	QCNW-2751BMZZ	MANGUERA (S) 2 VIAS	S AE
R 6739	VRS-TV1JD101J	2125 100 OHM 5% 1/10W SMD	S AA	(A)	QCNW-2820BMZZ	VOLTAGE SUPPLY 220V	S AE
R 6751	VRD-RA2BE332J	RES 3.3KOHM 5% 1/8W	S AA	(EW)	QCNW-2855BMZZ	WIRE 2 WAYS 43CM DOUBLE INSULATION	S AE
<b>MISCELLANEOUS PARTS</b>				(F)	QCNW-2828BMZZ	WIRE (F) 4 WAYS	S AF
(A)	QPLGN0207CEZZ	PLUG	S AA	(G)	QCNW-2830BMZZ	WIRE 13040000-0 MARBEL	S AC
(M)	QPLGN0304CEZZ	PLUG	S AB	(H)	QCNW-2783BMZZ	WIRE (KA) 5 WAYS	S AF
(OP)	QPLGN0341CEZZ	PLUG	S AA	(HV)	QCNW-2819BMZZ	WIRE 20020000-0 MARBEL	S AC
(RC)	QPLGN0341CEZZ	PLUG	S AA	(K)	QCNW-2831BMZZ	WIRE (K)	S AM
(ST)	QPLGN0341CEZZ	PLUG	S AA	(K1)	RCORF2064XHZZ	FERRIT TRA31	S AD
(SW1)	QPLGN0341CEZZ	PLUG	S AA	△ (MAT)	QCNW-2857BMZZ	MAT WIRE HR-16521 TO FLYBACK HR-8168	S AK
(SW2)	QPLGN0341CEZZ	PLUG	S AA	(MO)	QCNW-2796BMZZ	WIRE 3 WAYS (MO)	S AE
△ F 6701	QFS-C3226CEZZ	FUSE T3.15AH 250V	S AE	(OPC)	QCNW-2838BMZZ	WIRE 2 WAYS PROTECTED	S AE
	QFSDH1001BMZZ	FUSE HOLD.EYF52BC=PANASON	S AA	(PW)	QCNW-2868BMZZ	POWER SUPPLIER WIRE PFC PWA	S AF
	QFSDH1002BMZZ	FUSE HOLD.EYF52BC=PANASON	S AA	(RC)	QCNW-2795BMZZ	WIRE 3 WAYS	S AD
LP 6701	RLAMP0001BMZZ	NEON TYPE 4/30HB NEOTRONIC	S AC	(RT)	QCNW-2799BMZZ	WIRE 2 WAYS (RT)	S AE
M 6701	RRMCU0203BMZZ	R/C RECEIVER TS0P1738 TFK	S AG	(ST)	QCNW-2838BMZZ	WIRE 2 WAYS PROTECTED	S AE
△ S 6701	QSW-P0600BMZZ	SWITCH S40 3110432713 GDE	S AL	(SW1)	QCNW-2795BMZZ	WIRE 3 WAYS	S AD
				(SW2)	QCNW-2795BMZZ	WIRE 3 WAYS	S AD

REF No.	PARTS	DESCRIPTION	* CODE
(VS)	QCNW-2797BMZZ	WIRE 3 WAYS (RD)	S AD
△ F 0001	QCNW-2866BMZZ	HIGHT VOLTAGE FOCUS WIRE	S AC
△ F 0002	QCNW-2866BMZZ	HIGHT VOLTAGE FOCUS WIRE	S AC
L 0005	QCNW-2870BMZZ	WIRE DOUBLE AISOLATION CRIMP	S AD
L 0006	QCNW-2870BMZZ	WIRE DOUBLE AISOLATION CRIMP	S AD
<b>CABINET PARTS</b>			
1	CCABA1308BMV3	CABINET SET+ELEC ASS 66GF63H	S --
1.1	GDORF1059BMSA	DOOR	S AE
1.2	PKAI-1083BM00	DOOR RATCH	S AF
1.3	HINDP5118BMSA	INDICATOR	S AE
1.4	HBDGB3141CESA	SHARP BADGE	S AG
1.5	HDECQ0062BMSA	LED DECORATION	S AC
1.6	HDECQ0063BMSA	R/C DECORATION	S AC
1.7	JBTN-1075BMSA	UP/DOW BUTTON	S AD
1.8	JBTN-1076BMSA	POWER BUTTION	S AC
△ 2	GCABB1115BMKA	REAR CABINET 70GF67E	S BF
3	XTASB40P20000	REAR CABINET SCREWS	S AA
4	XTASB30P12000	AV SCREWS	S AA

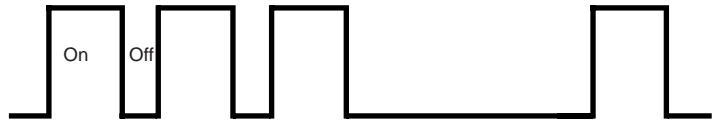
**STEREO LED FLASHING CODES.**

If the TV set does not work and the stereo led is flashing, follow the sequence according to the information below, as a guide to fault finding.

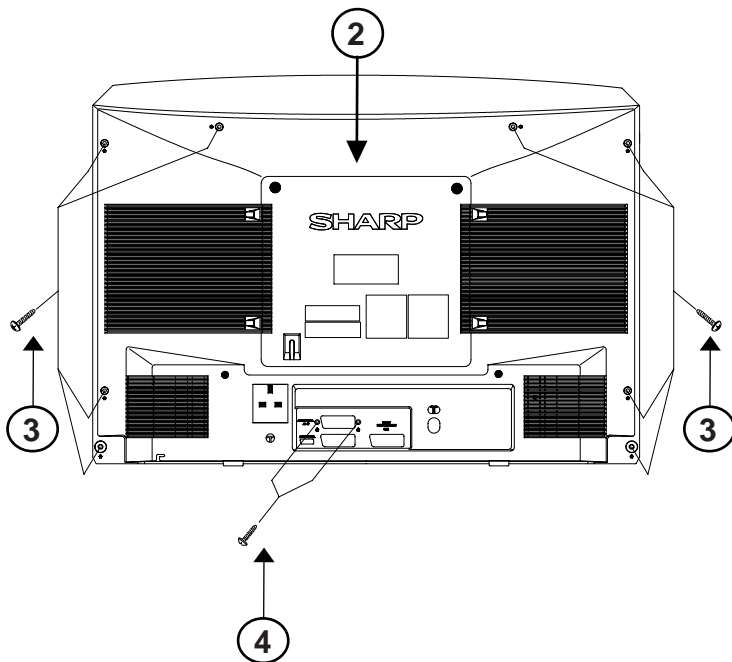
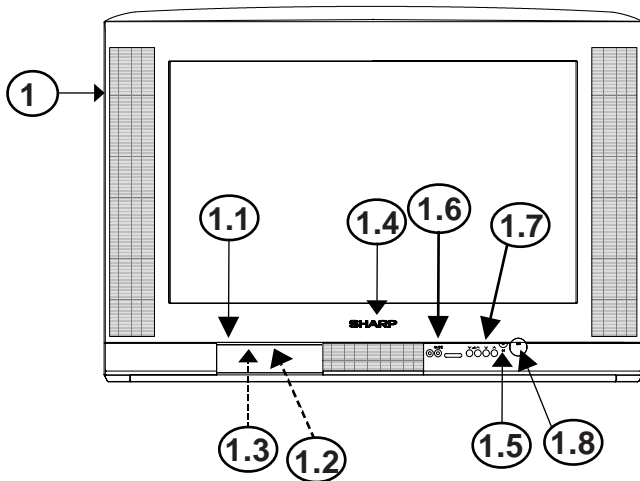
**1. Unable to read or write into NVM:** 66% ON, 33% OFF twice and OFF for a second.



**2. MSP failure:** 66% ON, 33% OFF for three times and OFF for a second.



**3. VDP failure:** 66% ON, 33% OFF for four times and OFF for a second.



NOTES:

**SHARP**



**RECYCLED PAPER**

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