

PHILIPS

LCD TV chassis PL9.3

Service Manual


Contents

32"	32PFL6704D/F7	(Serial No. : YA1A*****)
32"	32PFL6704D/F7	(Serial No. : YA1B*****)
42"	42PFL6704D/F7	(Serial No. : YA1A*****)
42"	42PFL6704D/F7	(Serial No. : YA1B*****)
47"	47PFL6704D/F7	(Serial No. : YA1A*****)
47"	47PFL6704D/F7	(Serial No. : YA1B*****)

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IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all P&F Equipment. The service procedures recommended by P&F and described in this service manual are effective methods of performing service operations. Some of these service special tools should be used when and as recommended.

It is important to note that this service manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. P&F could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, P&F has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by P&F must first use all precautions thoroughly so that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

<p>The LCD panel is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a tiny spec of color. This is not to be considered a defect in the LCD screen.</p>

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SPECIFICATIONS

< TUNER >

ANT. Input ----- 75 Ω Unbal., F type

Description	Band	Off air channel (MHz)	Cable channel (MHz)
1. Channel Coverage	Low Band Mid Band High Band	48.25 to 82.25 175.25 to 224.25 471.25 to 855.25	69.25 to 154.25 161.25 to 439.25 447.25 to 463.25

Description	System	Picture (MHz)	Chroma (MHz)	Sound (MHz)
2. Intermediate Frequencies	NTSC-M	45.75	42.17	41.25

< LCD PANEL >

Description	Condition	Unit	Nominal	Limit
1. Pixel Format	Horizontal Vertical	pixels pixels	1920 1080	--- ---
2. Brightness (w / filter)	---	cd/m ²	500	---
3. Viewing Angle (CR>20)	Horizontal Vertical	° °	178 178	--- ---

< VIDEO >

Description	Condition	Unit	Nominal	Limit
1. Transient Response	---	ns	<250	---
2. Y/C Separation	---	dB	>20	---
3. Chroma (3.55 MHz) Suppression	---	dB	>25	---
4. Color Temperature	Cool	°K	11500	---
	x		0.276	±0.004
	y		0.277	±0.004
	Normal	°K	9000	---
	x		0.289	±0.004
	y		0.291	±0.004
	warm	°K	6500	---
	x		0.314	±0.004
	y		0.319	±0.004

< AUDIO >

Description	Condition	Unit	Nominal	Limit
1. Distortion at rated Power	---	%	<10	---
2. Audio Response Curve	-3dB	kHz	>12.5	---

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, our products are strictly inspected for recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

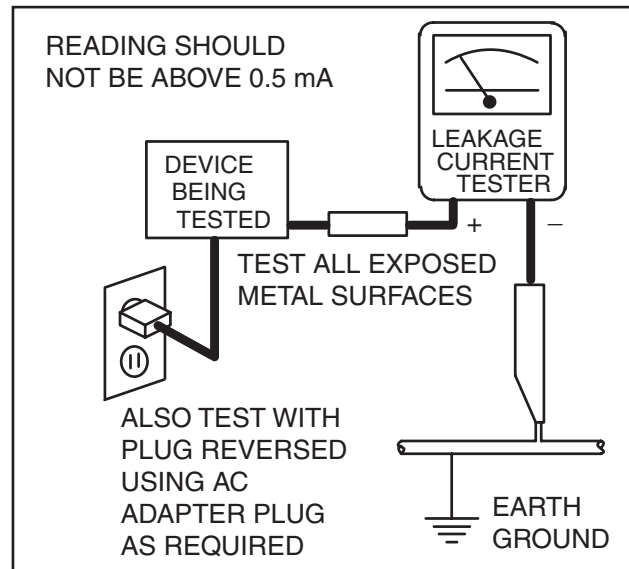
Safety Precautions for LCD TV Circuit

1. **Before returning an instrument to the customer**, always make a safety check of the entire instrument, including, but not limited to, the following items:

- a. Be sure that no built-in protective devices are defective and have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**
- b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the Liquid Crystal Panel and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.


- c. **Antenna Cold Check** - With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.

- d. **Leakage Current Hot Check** - With the instrument completely reassembled, plug the AC line cord directly into a 120 V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milli-ampere. Reverse the instrument power cord plug in the outlet and repeat the test.



ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the Liquid Crystal Panel.

3. **Design Alteration Warning** - Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.
4. **Hot Chassis Warning** -
 - a. Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and maybe safety-serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter, measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0 V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.
 - b. Some TV receiver chassis normally have 85V AC(RMS) between chassis and earth ground regardless of the AC plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection.
 - c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.
5. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts-be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and, e. antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check AC power cord for damage.
6. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
7. **Product Safety Notice** - Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a  on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The product's safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are strictly inspected to confirm they comply with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

- A.** Parts identified by the **▲** symbol are critical for safety.
Replace only with part number specified.
- B.** In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.
- C.** Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- D.** Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers
 - 4) Insulators for transistors.
- E.** When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.
- F.** Observe that the wires do not contact heat producing parts (heat sinks, oxide metal film resistors, fusible resistors, etc.)
- G.** Check that replaced wires do not contact sharp edged or pointed parts.
- H.** When a power cord has been replaced, check that 5~6 kg of force in any direction will not loosen it.
- I.** Also check areas surrounding repaired locations.
- J.** Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.
- K.** When connecting or disconnecting the internal connectors, first, disconnect the AC plug from the AC supply outlet.
- L.** When installing parts or assembling the cabinet parts, be sure to use the proper screws and tighten certainly.

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

Table 1: Ratings for selected area

AC Line Voltage	Region	Clearance Distance (d), (d')
110 to 130 V	U.S.A. or Canada	≥ 3.2 mm (0.126 inches)

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

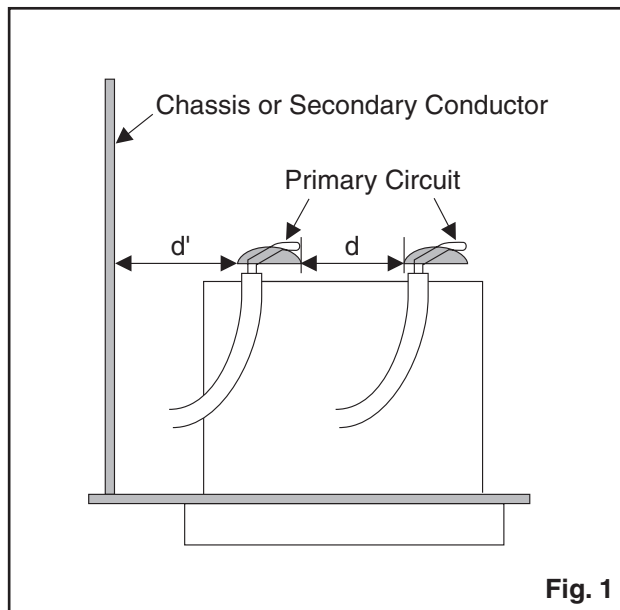


Fig. 1

2. Leakage Current Test

Confirm the specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) is lower than or equal to the specified value in the table below.

Measuring Method: (Power ON)

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig. 2 and following table.

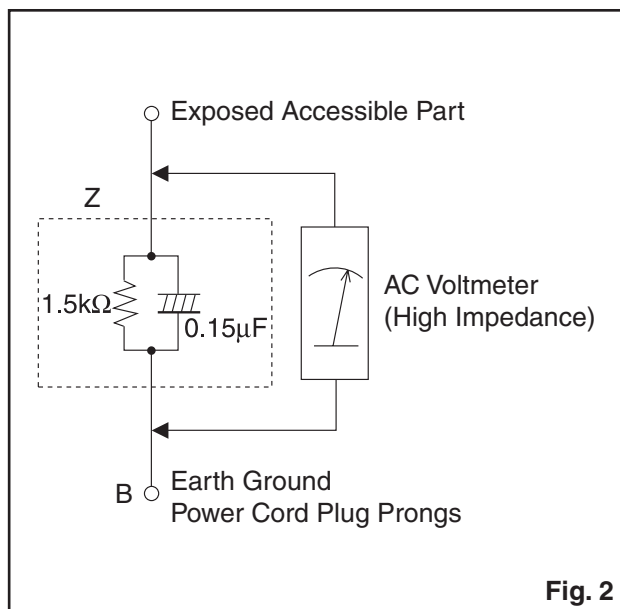


Fig. 2

Table 2: Leakage current ratings for selected areas

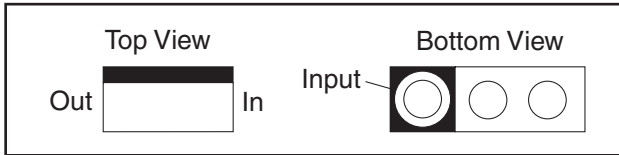
AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
110 to 130 V	U.S.A. or Canada	0.15 μ F CAP. & 1.5 k Ω RES. Connected in parallel	$i \leq 0.5$ mA rms	Exposed accessible parts

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

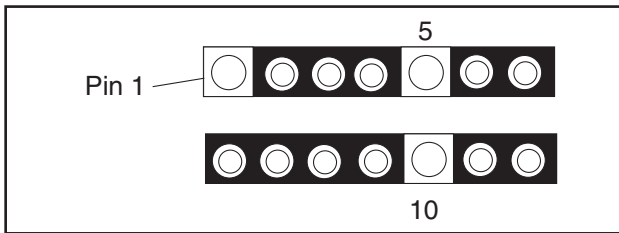
STANDARD NOTES FOR SERVICING

Circuit Board Indications

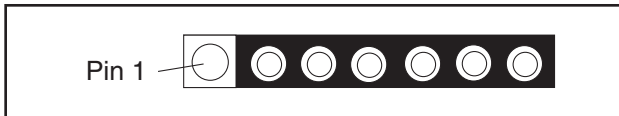
1. The output pin of the 3 pin Regulator ICs is indicated as shown.



2. For other ICs, pin 1 and every fifth pin are indicated as shown.

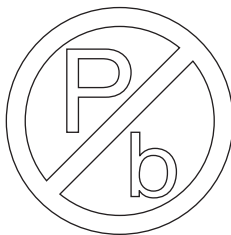


3. The 1st pin of every male connector is indicated as shown.



Pb (Lead) Free Solder

Pb free mark will be found on PCBs which use Pb free solder. (Refer to figure.) For PCBs with Pb free mark, be sure to use Pb free solder. For PCBs without Pb free mark, use standard solder.



Pb free mark

How to Remove / Install Flat Pack-IC

1. Removal

With Hot-Air Flat Pack-IC Desoldering Machine:

1. Prepare the hot-air flat pack-IC desoldering machine, then apply hot air to the Flat Pack-IC (about 5 to 6 seconds). (Fig. S-1-1)

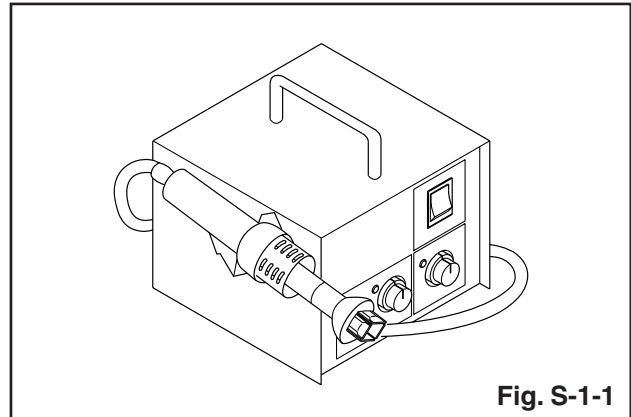


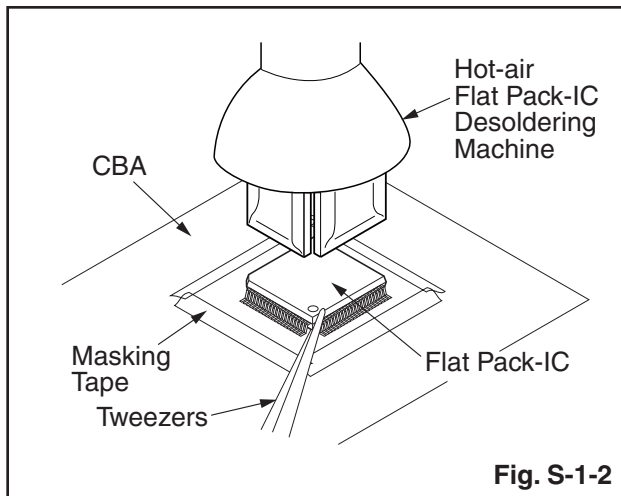
Fig. S-1-1

2. Remove the flat pack-IC with tweezers while applying the hot air.
3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

CAUTION:

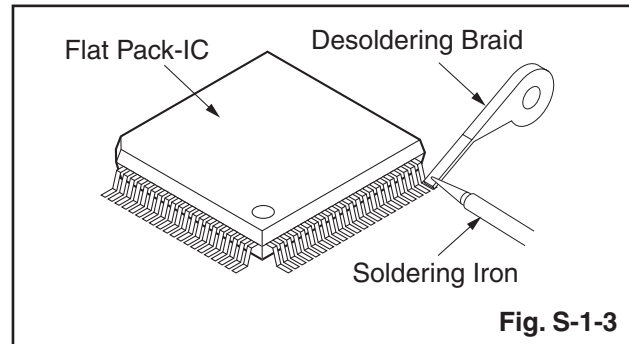
1. The Flat Pack-IC shape may differ by models. Use an appropriate hot-air flat pack-IC desoldering machine, whose shape matches that of the Flat Pack-IC.
2. Do not supply hot air to the chip parts around the flat pack-IC for over 6 seconds because damage to the chip parts may occur. Put masking tape around the flat pack-IC to protect other parts from damage. (Fig. S-1-2)

3. The flat pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or the solder lands under the IC when removing it.

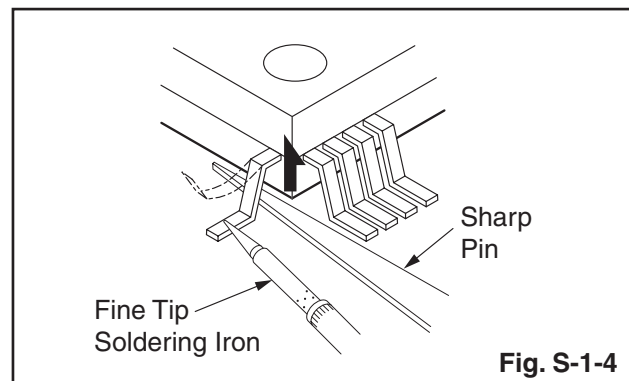


With Soldering Iron:

1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)



2. Lift each lead of the flat pack-IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air desoldering machine. (Fig. S-1-4)

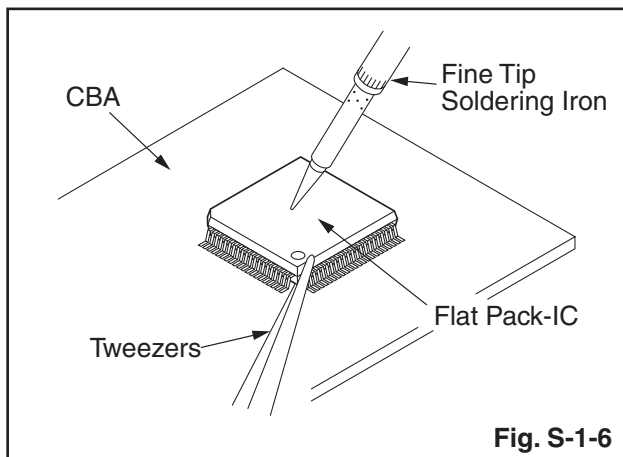
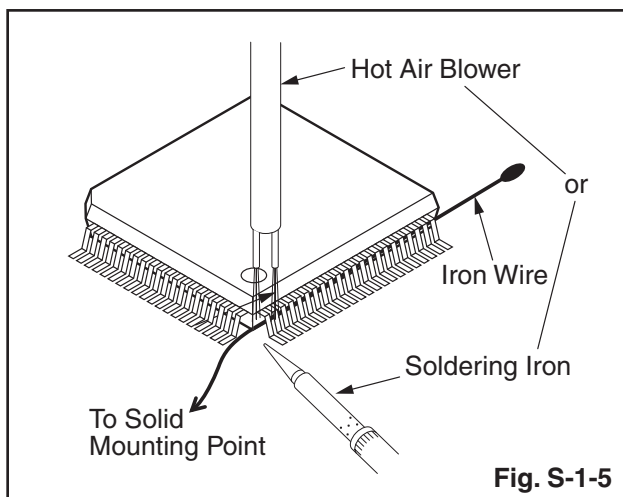


3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

With Iron Wire:

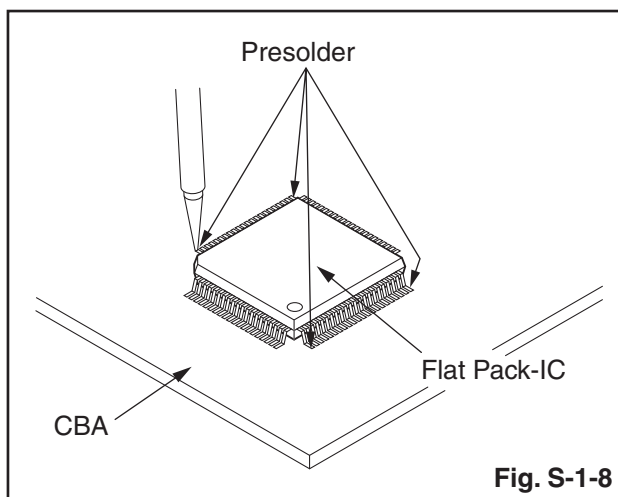
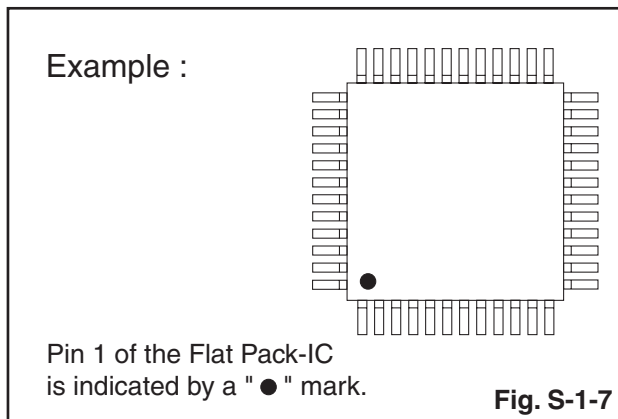
1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)
2. Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.
3. While heating the pins using a fine tip soldering iron or hot air blower, pull up the wire as the solder melts so as to lift the IC leads from the CBA contact pads as shown in Fig. S-1-5.
4. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
5. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

Note: When using a soldering iron, care must be taken to ensure that the flat pack-IC is not being held by glue. When the flat pack-IC is removed from the CBA, handle it gently because it may be damaged if force is applied.



2. Installation

1. Using desoldering braid, remove the solder from the foil of each pin of the flat pack-IC on the CBA so you can install a replacement flat pack-IC more easily.
2. The "●" mark on the flat pack-IC indicates pin 1. (See Fig. S-1-7.) Be sure this mark matches the pin 1 on the PCB when positioning for installation. Then presolder the four corners of the flat pack-IC. (See Fig. S-1-8.)
3. Solder all pins of the flat pack-IC. Be sure that none of the pins have solder bridges.



Instructions for Handling Semi-conductors

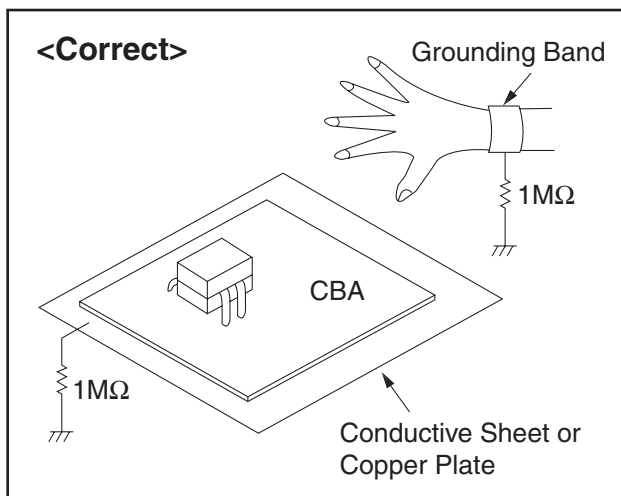
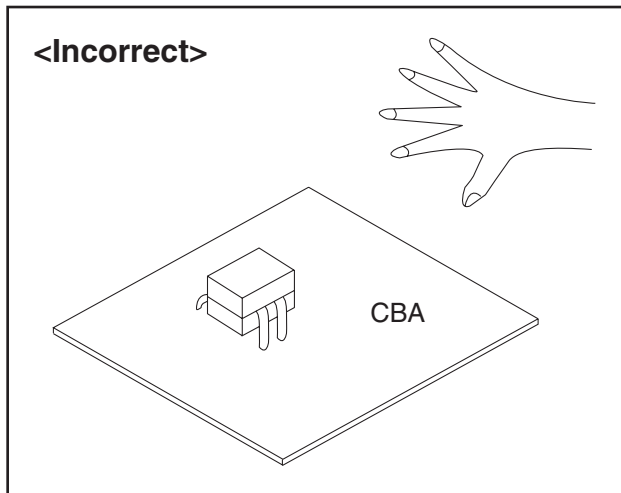
Electrostatic breakdown of the semi-conductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band ($1\text{ M}\Omega$) that is properly grounded to remove any static electricity that may be charged on the body.

2. Ground for Workbench

Be sure to place a conductive sheet or copper plate with proper grounding ($1\text{ M}\Omega$) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing.



CABINET DISASSEMBLY INSTRUCTIONS

[32PFL6704D/F7]

- Notes:**
1. Please put your machine on soft material to avoid to scrape panel when you disassemble it.
 2. The installation specifications of the part are subject to change without notice.
 3. By the difference of the LCD panel, the method of installing each part might be different.

1. Assembly/Panel Removal

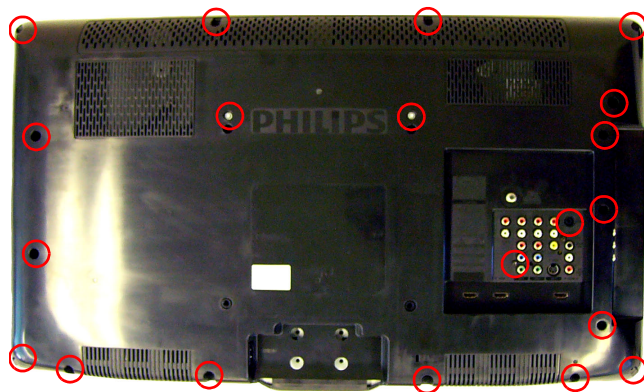
Front view



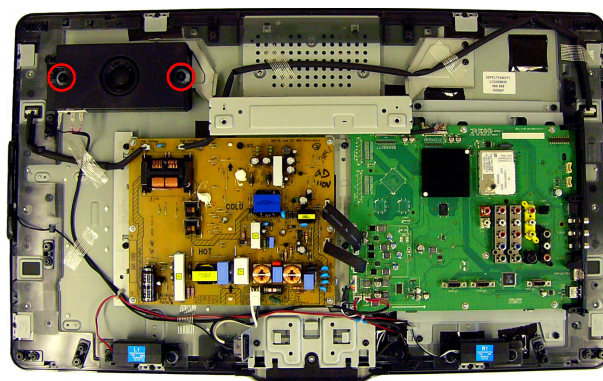
Back view



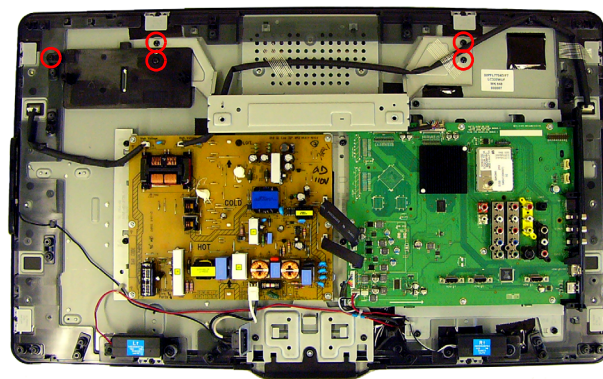
1. Remove the stand.
Remove the 4 screws.



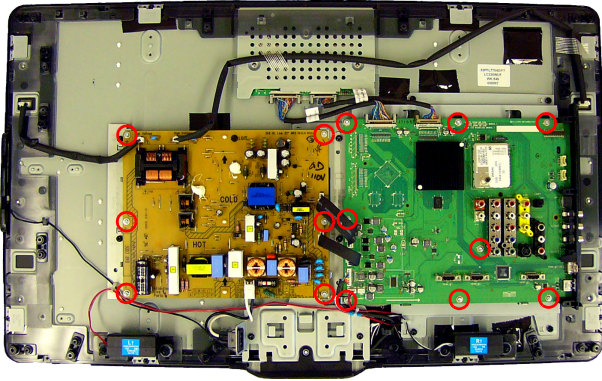
2. Remove the Back cover assembly.
Remove the 20 screws.



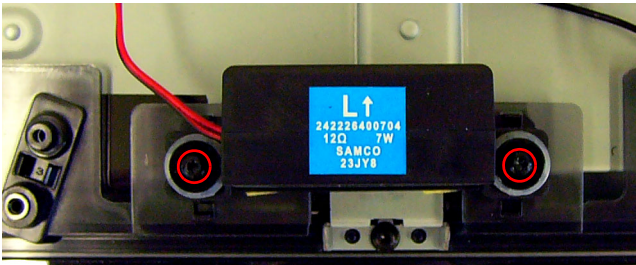
3. Remove the Loudspeaker Box.
Remove the 2 screws and connector 1736.



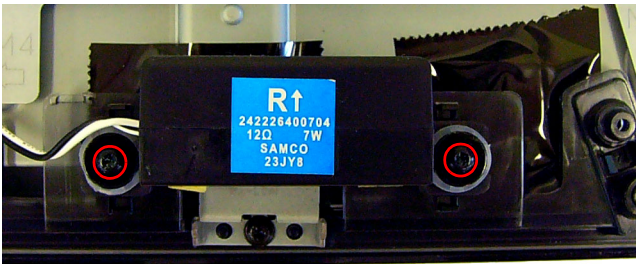
4. Remove the Woofer Bracket.
Remove the 2 screws.
5. Remove the Top Frame.
Remove the 3 screws.



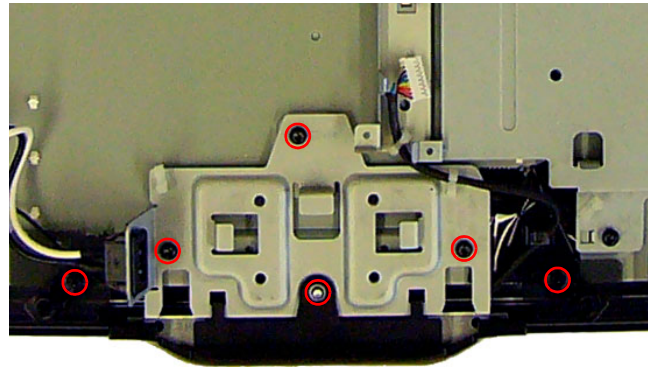
6. Remove the SSB.
Remove the 6 connectors. (1735, 1G50, 1G51, 1M20, 1M95, 1M99)
Remove the 8 screws.
7. Remove the Power supply Module.
Remove the 3 connectors. (CN1, CN2, CN3)
Remove the 6 screws.



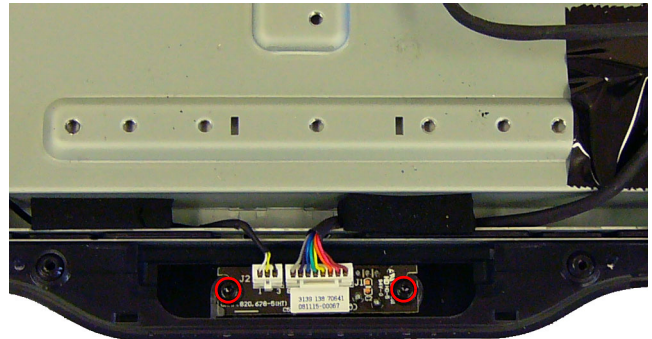
8. Remove the Left Loudspeaker.
Remove the 2 screws.



9. Remove the Right Loudspeaker.
Remove the 2 screws.



10. Remove the Leading Edge Cover and Stand Plate.
Remove the 6 screws.



11. Remove the Module IR.
Remove the 2 screws and connector J2.



12. Remove the Light Guide.

2. Set Re-assembly

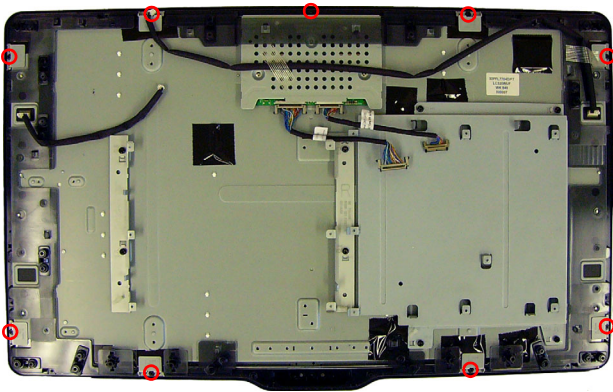
To re-assemble the whole set, execute all processes in reverse order.

Note: While re-assembling, make sure that all cables are placed and connected in their original position.

- The content is different according to the product.



13. Remove the Module Control Knob.
Release a locking tab.



14. Remove the TFT-LCD.
Remove the 9 screws.

CABINET DISASSEMBLY INSTRUCTIONS

[42PFL6704D/F7, 47PFL6704D/F7]

- Notes:** 1. Please put your machine on soft material to avoid to scrape panel when you disassemble it.
 2. The installation specifications of the part are subject to change without notice.
 3. By the difference of the LCD panel, the method of installing each part might be different.

1. Assembly/Panel Removal

Front view



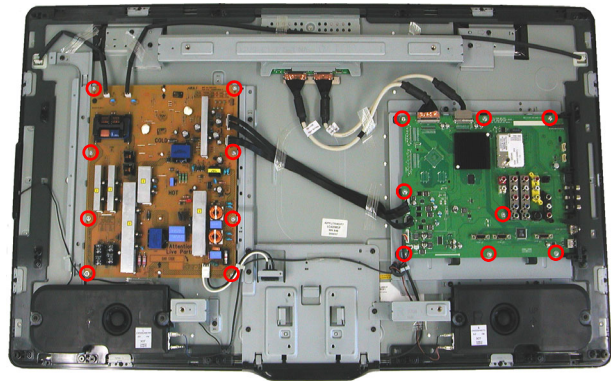
Back view



1. Remove the stand.
Remove the 4 screws.



2. Remove the Back cover assembly.
Remove the 22 screws.



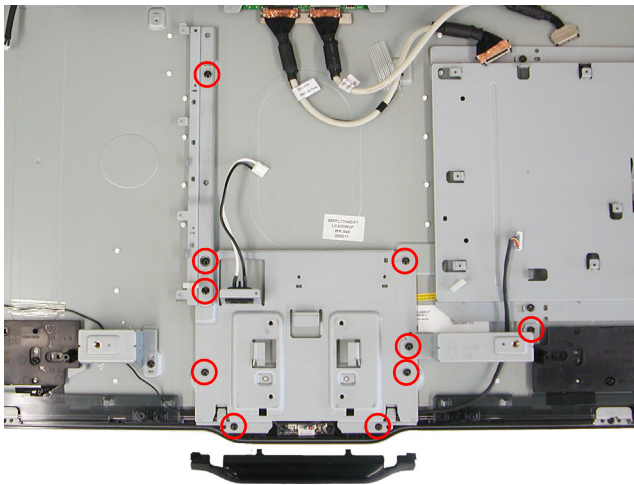
3. Remove the SSB.
Remove the 6 connectors. (1735, 1G50, 1G51, 1M20, 1M95, 1M99)
Remove the 8 screws.
4. Remove the Power supply Module.
Remove the 3 connectors. (CN1, CN2, CN3)
Remove the 8 screws.



5. Remove the Left Loudspeaker.
Remove the 2 screws.



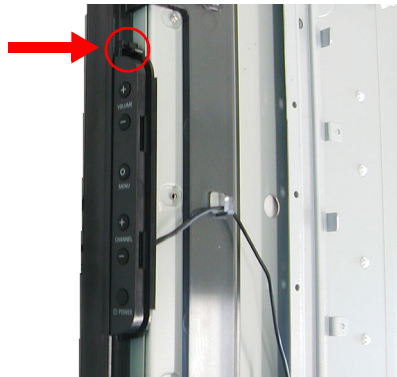
6. Remove the Right Loudspeaker.
Remove the 2 screws.



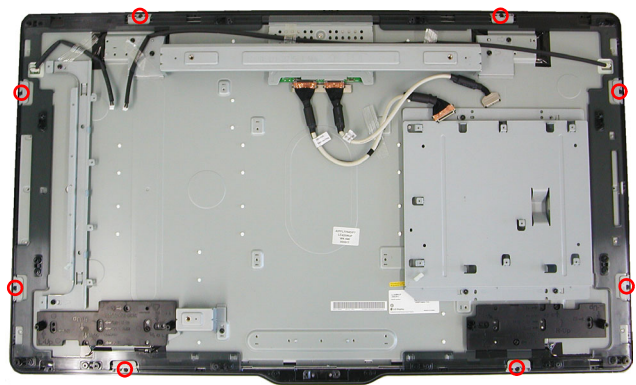
7. Remove the Leading Edge Cover, PSU Bar Right , VESA BKT BTM Right and Stand Plate.
Remove the 10 screws



8. Remove the Module IR.
Remove the 2 screws and connector J2.



9. Remove the Module Control Knob.
Release a locking tab.



10. Remove the TFT-LCD.
Remove the 8 screws.

2. Set Re-assembly

To re-assemble the whole set, execute all processes in reverse order.

Note: While re-assembling, make sure that all cables are placed and connected in their original position.

- The content is different according to the product.

SERVICE MODES, ERROR CODES, and FAULT FINDING

1 Test Points

In the chassis schematics and layout overviews, the test points are mentioned. In the schematics, test points are indicated with "Fxxx" or "lxxx", in the layout overviews with a "half-moon" sign. As most signals are digital, it will be difficult to measure waveforms with a standard oscilloscope.

Perform measurements under the following conditions:

- Service Default Mode.
- Video: Color bar signal.
- Audio: 3 kHz left, 1 kHz right.

2 Service Modes

The Service Mode feature is split into four parts:

- Service Default Mode (SDM).
- Service Alignment Mode (SAM).
- Customer Service Mode (CSM).
- Computer Aided Repair Mode (ComPair).

SDM and SAM offer features, which can be used by the Service engineer to repair/align a TV set. Some features are:

- A pre-defined situation to ensure measurements can be made under uniform conditions (SDM).
- Activates the blinking LED procedure for error identification when no picture is available (SDM).
- The possibility to overrule software protections when SDM is entered via the Service pins.
- Make alignments (e.g. White T one), (de)select options, enter options codes, reset the error buffer (SAM).
- Display information ("SDM" or "SAM" indication in upper right corner of screen, error buffer, software version, operating hours, options and option codes, sub menus).

The CSM is a Service Mode that can be enabled by the consumer. The CSM displays diagnosis information, which the customer can forward to the dealer or call centre. In CSM mode, "CSM", is displayed in the top right corner of the screen. The information provided in CSM and the purpose of CSM is to:

- Increase the home repair hit rate.
- Decrease the number of nuisance calls.
- Solved customers' problem without home visit.

2.1 General

Some items are applicable to all Service Modes or are general. These are listed below.

Life Timer

During the life time cycle of the TV set, a timer is kept (called "Op. Hour"). It counts the normal operation hours (not the Stand-by hours). The actual value of the timer is displayed in SDM and SAM in a decimal value. Every two soft-resets increase the hour by +1. Standby hours are not counted.

Software Identification, Version and Cluster

The software ID, version, and cluster will be shown in the main menu display of SDM, SAM, and CSM.

The screen will show: "**AAAABCD X.YY**", where:

- **AAAA** is the chassis name: LC92. (Development chassis)
- **B** is the region indication: E= Europe, A= AP/China, U= NAFTA, L= LATAM.
- **C** is the display indication: L= LCD, P= Plasma.
- **D** is the language/feature indication: P= Philips, M= Magnavox.
- **X** is the main version number: this is updated with a major change of specification (incompatible with the previous software version). Numbering will go from 1 - 9 and A - Z.
 - If the main version number changes, the new version number is written in the NVM.
 - If the main version number changes, the default settings are loaded.
- **YY** is the sub version number: this is updated with a minor change (backwards compatible with the previous versions) Numbering will go from 00 - 99.
 - If the sub version number changes, the new version number is written in the NVM.
 - If the NVM is fresh, the software identification, version, and cluster will be written to NVM.

Display Option Code Selection

When after an SSB or display exchange, the display option code is not set properly, it will result in a TV with "no display". Therefore, **it is required** to set this display option code after such a repair.

To do so, press the following key sequence on a standard RC transmitter: "**062598**" directly followed by **MENU** and "**xxx**" where "xxx" is a 3 digit decimal value of the panel type: see column "Panel Code" in table "Option Codes OP1...OP7" (ch. 8), or see sticker on the side/bottom of the cabinet. When the value is accepted and stored in NVM, the set will switch to Stand-by, to indicate that the process has been completed.

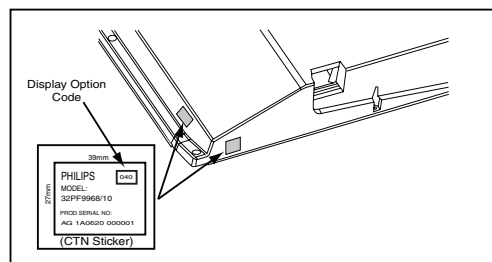


Figure 1 Location of Display Option Code sticker

During this algorithm, the NVM-content must be filtered, because several items in the NVM are TV-related and not SSB-related (e.g. Model and Prod. S/N). Therefore, "Model" and "Prod. S/N" data is changed into "See Type Plate". In case a call centre or consumer reads "See Type Plate" in CSM mode, he needs to look to the side/bottom sticker to identify the set, for further actions.

2.2 Service Default Mode (SDM)

Purpose

Set the TV in SDM mode in order to be able to:

- Create a pre-defined setting for measurements to be made.
- Override software protections.
- Start the blinking LED procedure.
- Read the error buffer.
- Check the life timer.

Specifications

Table 1 SDM default settings

Region	Freq. (MHz)	Default syst.
Europe (except France), AP-PAL/-Multi	475.25	PAL B/G
France		SECAM L
NAFTA, AP-NTSC	61.25 (channel 3)	NTSC M
LATAM		PAL M

- Set linear video and audio settings to 50%, but volume to 25%. Stored user settings are not affected.
- All service-unfriendly modes (if present) are disabled, since they interfere with diagnosing/repairing a set. These service unfriendly modes are:
 - (Sleep) timer.
 - Blue mute/Wall paper.
 - Auto switch “off” (when there is no “ident” signal).
 - Hotel or hospital mode.
 - Child lock or parental lock (manual or via V-chi p).
 - Skipping, blanking of “Not favorite”, “Skipped” or “Locked” presets/channels.
 - Automatic storing of Personal Preset or Last Status settings.
 - Automatic user menu time-out (menu switches back/ OFF automatically).
 - Auto Volume Levelling (AVL).

How to Activate

To activate SDM, use one of the following methods:

- Press the following key sequence on the remote control transmitter: “**062596**” directly followed by the **MENU** button (do not allow the display to time out between entries while keying the sequence).
- Short one of the “Service” jumpers on the TV board during cold start (see Figures “Service jumper”). Then press the mains button (remove the short after start-up).

Caution: Activating SDM by shorting “Service” jumpers will override the DC speaker protection (error 1), the General I2C error (error 4), and the Trident video processor error (error 5). When doing this, the service-technician must know exactly what he is doing, as it could damage the television set.

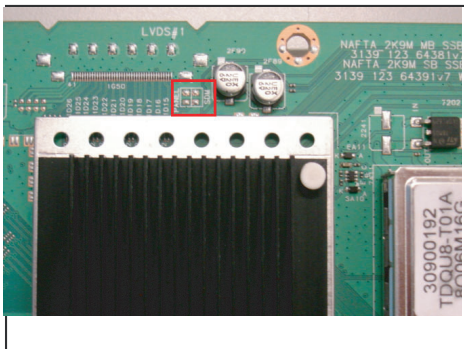


Figure 2 Service jumper (SSB component side)

On Screen Menu

After activating SDM, the following screen is visible, with SDM in the upper right corner of the screen to indicate that the television is in Service Default Mode.

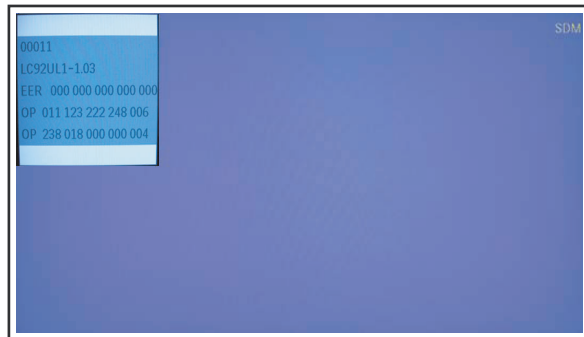


Figure 3 SDM menu

Menu explanation:

- **HHHHH:** Are the operating hours (in decimal).
- **AAAABCD-X.YY:** See paragraph “Service Modes” -> “General” -> “Software Identification, Version, and Cluster” for the SW name definition.
- **EER:** Shows all errors detected since the last time the buffer was erased. Five errors possible.
- **OP:** Used to read-out the option bytes. See “Options” in the Alignments section for a detailed description. Ten codes (in two rows) are possible.

How to Navigate

As this mode is read only, there is not much to navigate. To switch to other modes, use one of the following methods:

- Command MENU from the user remote will enter the normal user menu (brightness, contrast, color, etc...) with “SDM” OSD remaining, and pressing MENU key again will return to the last status of SDM again.
- To prevent the OSD from interfering with measurements in SDM, command “OSD” or “i+” (“STATUS” or “INFO” for NAFTA and LATAM) from the user remote will toggle the OSD “on/off” with “SDM” OSD remaining always “on”.
- Press the following key sequence on the remote control transmitter: “**062596**” directly followed by the **OSD/STATUS/INFO/I+** button to switch to SAM (do not allow the display to time out between entries while keying the sequence).

How to Exit

Switch the set to STANDBY by pressing the mains button on the remote control transmitter or on the television set. If you switch the television set “off” by removing the mains (i.e., unplugging the television), the television set will remain in SDM when mains is re-applied, and the error buffer is not cleared. The error buffer will only be cleared when the “clear” command is used in the SAM menu.

Note:

- If the TV is switched “off” by a power interrupt while in SDM, the TV will show up in the last status of SDM menu as soon as the power is supplied again. The error buffer will not be cleared.
- In case the set is in Factory mode by accident (with “F” displayed on screen), by pressing and hold “VOL-” and “CH-” together should leave Factory mode.

2.3 Service Alignment Mode (SAM)

Purpose

- To change option settings.
- To display / clear the error code buffer.
- To perform alignments.

Specifications

- Operation hours counter (maximum five digits displayed).
- Software version, error codes, and option settings display.
- Error buffer clearing.
- Option settings.
- Software alignments (White Tone).
- NVM Editor.
- Set the screen mode to full screen (all content on screen is visible).

How to Activate

To activate SAM, use one of the following methods:

- Press the following key sequence on the remote control transmitter: "**062596**" directly followed by the **OSD/STATUS/INFO/+** button (it depends on region which button is present on the RC). Do not allow the display to time out between entries while keying the sequence.

After entering SAM, the following screen is visible, with SAM in the upper right corner of the screen to indicate that the television is in Service Alignment Mode.

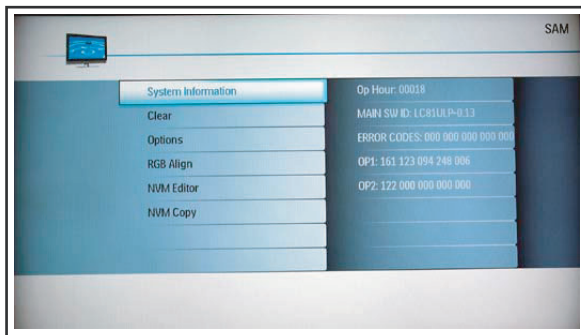


Figure 4 SAM menu

Menu explanation:

1. System Information:

- **Op. Hour.** This represents the life timer. The timer counts normal operation hours, but does not count Stand-by hours.
 - **MAIN SW ID.** See paragraph "Service Modes" -> "General" -> "Software Identification, Version, and Cluster" for the SW name definition.
 - **ERROR CODES.** Shows all errors detected since the last time the buffer was erased. Five errors possible.
 - **OP1 / OP2.** Used to read-out the option bytes. See "Options" in the Alignments section for a detailed description. Ten codes are possible.
2. **Clear.** Erases the contents of the error buffer. Select the CLEAR menu item and press the MENU RIGHT key. The content of the error buffer is cleared.
3. **Options.** Used to set the option bits. See "Options" in the "Alignments" chapter for a detailed description.

4. **RGB Align.** Used to align the White Tone. See "White Tone" in the "Alignments" chapter for a detailed description.
5. **NVM Editor.** Can be used to change the NVM data in the television set. See also paragraph "Fault Finding and Repair Tips" further on.
6. **NVM Copy.** Gives the possibility to copy/load the NVM file to/from an USB stick.

How to Navigate

- In the SAM menu, select menu items with the UP/DOWN keys on the remote control transmitter. The selected item will be indicated. When not all menu items fit on the screen, use the UP/DOWN keys to display the next / previous menu items.
- With the LEFT/RIGHT keys, it is possible to:
 - Activate the selected menu item.
 - Change the value of the selected menu item.
 - Activate the selected sub menu.
- When you press the MENU button twice while in top level SAM, the set will switch to the normal user menu (with the SAM mode still active in the background). To return to the SAM menu press the MENU button.
- The "**OSD/STATUS/INFO/+**" key from the user remote will toggle the OSD "on/off" with "SAM" OSD remaining always "on".
- Press the following key sequence on the remote control transmitter: "**062596**" directly followed by the **MENU** button to switch to SDM (do not allow the display to time out between entries while keying the sequence).

How to Store SAM Settings

To store the settings changed in SAM mode (except the OPTIONS and RGB ALIGN settings), leave the top level SAM menu by using the POWER button on the remote control transmitter or the television set. The mentioned exceptions must be stored separately via the STORE button.

How to Exit

Switch the set to STANDBY by pressing the mains button on the remote control transmitter or the television set.

Note:

- When the TV is switched "off" by a power interrupt while in SAM, the TV will show up in "normal operation mode" as soon as the power is supplied again. The error buffer will not be cleared.
- In case the set is in Factory mode by accident (with "F" displayed on screen), by pressing and hold "VOL-" and "CH-" together should leave Factory mode.

2.4 Customer Service Mode (CSM)

Purpose

The Customer Service Mode shows error codes and information on the TV's operation settings. A call centre can instruct the customer (by telephone) to enter CSM in order to identify the status of the set. This helps them to diagnose problems and failures in the TV before making a service call. The CSM is a read-only mode; therefore, modifications are not possible in this mode.

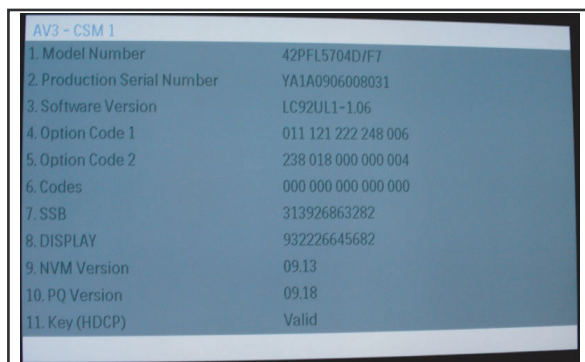
Specifications

- Ignore "Service unfriendly modes".
- Line number for every line (to make CSM language independent).
- Set the screen mode to full screen (all contents on screen is visible).
- After leaving the Customer Service Mode, the original settings are restored.
- Possibility to use "CH+" or "CH-" for channel surfing, or enter the specific channel number on the RC.

How to Activate

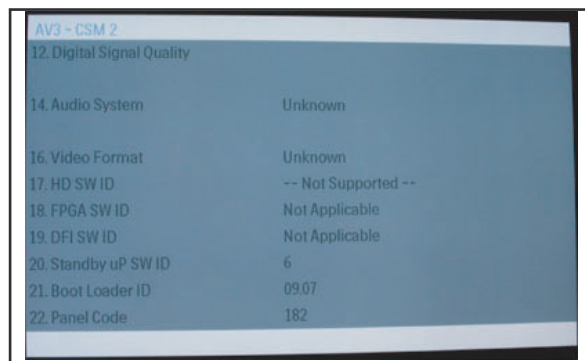
To activate CSM, press the following key sequence on a standard remote control transmitter: **"123654"** (do not allow the display to time out between entries while keying the sequence).

Upon entering the Customer Service Mode, the following screen will appear:



AV3 - CSM 1	
1. Model Number	42PFL5704D/F7
2. Production Serial Number	YA1A0906008031
3. Software Version	LC92UL1-1.06
4. Option Code 1	011 121 222 248 006
5. Option Code 2	238 018 000 000 004
6. Codes	000 000 000 000 000
7. SSB	313926863282
8. DISPLAY	932226645682
9. NVM Version	09.13
10. PQ Version	09.18
11. Key (HDCP)	Valid

Figure 5 CSM menu -1- (example)



AV3 - CSM 2	
12. Digital Signal Quality	
14. Audio System	Unknown
16. Video Format	Unknown
17. HD SW ID	-- Not Supported --
18. FPGA SW ID	Not Applicable
19. DFI SW ID	Not Applicable
20. Standby uP SW ID	6
21. Boot Loader ID	0907
22. Panel Code	182

Figure 6 CSM menu -2- (example)

Menu Explanation

1. **Model Number.** Type number, e.g. XXPFL6704D/F7
2. **Production Serial Number.** Product serial no., e.g. SV1A0805123456 (*). SV= Production center, 1= BOM code, A= Service version change code, 08= Production year, 05= Production week, 123456= Serial number.
3. **Software Version.** Main software cluster and version is displayed.
4. **Option Code 1.** Option code information (group 1).
5. **Option Code 2.** Option code information (group 2).
6. **Codes.** Error buffer contents.
7. SSB. Indication of the SSB factory ID (= 12nc). (*)
8. Display. Indication of the display ID (=12 nc). (*)
9. NVM Version. The NVM software version no.
10. PQ Version. PQ (picture quality) data version. This is a subset of the main SW.
11. Key (HDCP). Indicates if the HDMI keys (or HDCP keys) are valid or not.
12. Digital Signal Quality. Tuner signal condition in percentage.
13. Blank.
14. Audio System. Gives information about the audio system of the selected transmitter (MONO/STEREO).
15. HDAU. HDMI audio stream detection. "YES" means audio stream detected. "NO" means no audio stream present. Only displayed when HDMI source is selected.
16. Video Format. Gives information about the video format of the selected transmitter (480p30/720p60/1080i50/1080i60, etc...). Is applicable to both HDMI and CVI sources.
17. HD SW ID. Shows the HD DNM software version.
18. FPGA SW ID. Shows the FPGA software version (if present).
19. DFI SW ID. Shows the DFI software version (if present).
20. Standby uP SW ID. Shows the Standby Processor software version.

(*) If an NVM IC is replaced or initialized, these items must be re-written to the NVM. ComPair will foresee in a possibility to do this.

How to Exit

To exit CSM, use one of the following methods:

- Press the MENU button twice on the remote control transmitter.
- Press the POWER button on the remote control transmitter.
- Press the POWER button on the television set.

3 Error Codes

3.1 Introduction

Error codes are required to indicate failures in the TV set. In principle a unique error code is available for every:

- Activated protection.
- Failing I2C device.
- General I2C error.
- SDRAM failure.

The last five errors, stored in the NVM, are shown in the Service menu's. This is called the error buffer.

The error code buffer contains all errors detected since the last time the buffer was erased. The buffer is written from left to right. When an error occurs that is not yet in the error code buffer, it is displayed at the left side and all other errors shift one position to the right.

An error will be added to the buffer if this error differs from any error in the buffer. The last found error is displayed on the left.

An error with a designated error code may never lead to a deadlock situation. This means that it must always be diagnosable (e.g. error buffer via OSD or blinking LED procedure, ComPair to read from the NVM).

In case a failure identified by an error code automatically results in other error codes (cause and effect), only the error code of the MAIN failure is displayed.

Example: In case of a failure of the I2C bus (CAUSE), the error code for a "General I2C failure" and "Protection errors" is displayed. The error codes for the single devices (EFFECT) is not displayed. All error codes are stored in the same error buffer (TV's NVM) except when the NVM itself is defective.

3.2 How to Read the Error Buffer

You can read the error buffer in 3 ways:

- On screen via the SAM/SDM/CSM (if you have a picture).
Example:
 - ERROR: 0 0 0 0 0 : No errors detected
 - ERROR: 6 0 0 0 0 : Error code 6 is the last and only detected error
 - ERROR: 9 6 0 0 0 : Error code 6 was detected first and error code 9 is the last detected (newest) error
- Via the blinking LED procedure (when you have no picture). See "The Blinking LED Procedure".
- Via ComPair.

3.3 Error Codes

In case of non-intermittent faults, write down the errors present in the error buffer and clear the error buffer before you begin the repair. This ensures that old error codes are no longer present.

If possible, check the entire contents of the error buffer. In some situations, an error code is only the result of another error and not the actual cause of the problem (for example, a fault in the protection detection circuitry can also lead to a protection).

Code	ErrorDescription	Detection via:	Type	Remarks
0	No Error	-- -- --	N/A	-- -- --
1	DC Protection	MT5382 (7A01)	Protection	DC_PROT = Low
2	+12V Failure	WT61P7 (7E23)	Protection	POWER_DOWN = Low
3	Stand-by Controller I2C	I2C0 Bus	Protection	Communication Error with WT61P7
4	General I2C	I2C0 Bus	Error Log	Communication Error on I2C0 Bus
5 #	MT8280 I2C	I2C0 Bus	Error Log	Communication Error with MT8280
6	System NVM I2C	I2C0 Bus	Protection	Communication Error with System NVM
7	Tuner	Tuner I2C Bus	Error Log	Communication Error with Tuner TDQU
8	IF/PLL Demodulator	Tuner I2C Bus	Error Log	Communication Error with TDA9886
9	Ambilight FPGA	I2C0 Bus	Error Log	Communication Error with EC2S
10	Reserved	-- -- --	N/A	-- -- --
11	Reserved	-- -- --	N/A	-- -- --
12	Reserved	-- -- --	N/A	-- -- --
13	HDMI Switch I2C	I2C0 Bus	Error Log	Communication Error with SiI9185
14	MT8280 DRAM1	DRAM R/W (7B02/03)	Error Log	R/W Error with DRAM1 or DRAM2
15	Reserved	-- -- --	N/A	-- -- --
16	Reserved	-- -- --	N/A	-- -- --
17	Reserved	-- -- --	N/A	-- -- --
18 #	Channel Decoder I2C	I2C0 Bus	Error Log	Communication Error with MT5112 (reserved for BDS modules)
19 #	Pro Idiom I2C	I2C0 Bus	Error Log	Communication Error with Pro Idiom (reserved for BDS modules)
21 #	Bolt-On HDMI NVM I2C	I2C0 Bus	Error Log	Communication Error with BDS Bolt-On (reserved for BDS modules)
#	If IC/board available.			

3.4 How to Clear the Error Buffer

The error code buffer is cleared in the following cases:

- By using the CLEAR command in the SAM menu:
- If the contents of the error buffer have not changed for 50 hours, the error buffer resets automatically.

Note: If you exit SAM by disconnecting the mains from the television set, the error buffer is not reset.

4 The Blinking LED Procedure

4.1 Introduction

The software is capable of identifying different kinds of errors. Because it is possible that more than one error can occur over time, an error buffer is available, which is capable of storing the last five errors that occurred. This is useful if the OSD is not working properly.

Errors can also be displayed by the blinking LED procedure. The method is to repeatedly let the front LED pulse with as many pulses as the error code number, followed by a period of 1.5 seconds in which the LED is "off". Then this sequence is repeated.

Example (1) : error code 4 will result in four times the sequence LED "on" for 0.25 seconds / LED "off" for 0.25 seconds. After this sequence, the LED will be "off" for 1.5 seconds. Any RC5 command terminates the sequence. Error code LED blinking is in red color.

Example (2) : the content of the error buffer is "12 9 6 0 0" After entering SDM, the following occurs:

- 1 long blink of 5 seconds to start the sequence,
- 12 short blinks followed by a pause of 1.5 seconds,
- 9 short blinks followed by a pause of 1.5 seconds,
- 6 short blinks followed by a pause of 1.5 seconds,
- 1 long blink of 1.5 seconds to finish the sequence,
- The sequence starts again with 12 short blinks.

4.2 Displaying the Entire Error Buffer

Additionally, the entire error buffer is displayed when Service Mode "SDM" is entered. In case the TV set is in protection or Stand-by: The blinking LED procedure sequence (as in SDM-mode in normal operation) must be triggered by the following RC sequence: "MUTE" "062500" "OK".

In order to avoid confusion with RC5 signal reception blinking, this blinking procedure is terminated when a RC5 command is received.

5 Fault Finding and Repair Tips

Notes:

- It is assumed that the components are mounted correctly with correct values and no bad solder joints.
- Before any fault finding actions, check if the correct options are set.

5.1 Software Protections

Most of the protections and errors use either the stand-by or the micro processor as detection device. Since in these cases, checking of observers, polling of ADCs, and filtering of input values are all heavily software based, these protections are referred to as software protections.

There are several types of software related protections, solving a variety of fault conditions:

- Protections related to supplies: check of the 12V.
- Protections related to breakdown of the safety check mechanism. E.g. since the protection detections are done by means of software, failing of the software will have to initiate a protection mode since safety cannot be guaranteed any more.

Remark on the Supply Errors

The detection of a supply dip or supply loss during the normal playing of the set does not lead to a protection, but to a cold reboot of the set. If the supply is still missing after the reboot, the TV will go to protection.

Protections during Start-up

During TV start-up, some voltages and IC observers are actively monitored to be able to optimize the start-up speed, and to assure good operation of all components. If these monitors do not respond in a defined way, this indicates a malfunction of the system and leads to a protection.

5.2 Hardware Protections

The only real hardware protection in this chassis is (in case of an audio problem) the audio protection circuit that will trigger the uP to switch "off" the TV.

Repair Tip

- It is also possible that you have an audio DC protection because of an interruption in one or both speakers (the DC voltage that is still on the circuit cannot disappear through the speakers).
Caution: (dis)connecting the speaker wires during the ON state of the TV at high volume can damage the audio amplifier.

5.3 NVM Editor

In some cases, it can be convenient if one directly can change the NVM contents. This can be done with the "NVM Editor" in SAM mode. With this option, single bytes can be changed.

Caution:

- Do not change these, without understanding the function of each setting, because incorrect NVM settings may seriously hamper the correct functioning of the TV set!
- Always write down the existing NVM settings, before changing the settings. This will enable you to return to the original settings, if the new settings turn out to be incorrect.

Table 2 NVM editor overview

	Hex	Dec	Description
Address	0x000A	10	Existing value
Value	0x0000	0	New value
Store	Store?		

5.4 Load Default NVM Values

It is possible to download default values automatically into the NVM in case a blank NVM is placed or when the NVM first 20 address contents are "FF". After the default values are downloaded, it is possible to start-up and to start aligning the TV set. To initiate a forced default download the following action has to be performed:

1. Switch "off" the TV set with the mains cord disconnected from the wall outlet (it does not matter if this is from "Stand-by" or "Off" situation).
2. Short-circuit the SDM jumpers on the SSB (keep short circuited).
3. Press "P+" or "CH+" on the local keyboard (and keep it pressed).
4. Reconnect the mains supply to the wall outlet.
5. Release the "P+" or "CH+" when the set is started up and has entered SDM.

When the downloading has completed successfully, the set should be into Stand-by, i.e. red LED on.

Alternative method:

It is also possible to upload the default values to the NVM with ComPair in case the SW is changed, the NVM is replaced with a new (empty) one, or when the NVM content is corrupted. After replacing an EEPROM (or with a defective/no EEPROM), default settings should be used to enable the set to start-up and allow the Service Default Mode and Service Alignment Mode to be accessed.

5.5 Display option code

Caution: In case you have replaced the SSB, always check the display option code in SAM, even if you have picture. With a wrong display option code it is possible that you have picture, but that in certain conditions you have unwanted side-effects.

6 Alignments

Note: Figures below can deviate slightly from the actual situation, due to the different set executions.

General: The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in chapter 5. Menu navigation is done with the CURSOR UP, DOWN, LEFT or RIGHT keys of the remote control transmitter.

6.1 General Alignment Conditions

Perform all electrical adjustments under the following conditions:

- Power supply voltage (depends on region):
 - AP-NTSC: 120 V_{AC} or 230 V_{AC} / 50 Hz (± 10%).
 - AP-PAL-multi: 120 - 230 V_{AC} / 50 Hz (± 10%).
 - EU: 230 V_{AC} / 50 Hz (± 10%).
 - LATAM-N TSC: 120 - 230 V_{AC} / 50 Hz (± 10%).
 - US: 120 V_{AC} / 60 Hz (± 10%).
- Connect the set to the mains via an isolation transformer with low internal resistance.
- Allow the set to warm up for approximately 15 minutes.
- Measure voltages and waveforms in relation to correct ground (e.g. measure audio signals in relation to AUDIO_GND).
Caution: It is not allowed to use heatsinks as ground.
- Test probe: Ri > 10 Mohm, Ci < 20 pF.
- Use an isolated trimmer/screwdriver to perform alignments.

6.2 Hardware Alignments

There are no hardware alignments foreseen for this chassis.

6.3 Software Alignments

With the software alignments of the Service Alignment Mode (SAM), the RGB alignments can be performed:

- white tone (warm, normal, cool)
- black level offset

6.3.1 RGB Alignment

Before alignment, in customer menu, choose "Movie" as predefined picture and sound setting ("Auto Mode" button on RC). Also in menu "TV menu" > "TV settings" > "Picture", set

- "Active Control" to "Off"
- "Color Enhancement" to "Off"
- "Dynamic Contrast" to "Off"
- "DNR" to "Off".

White Tone Alignment:

- Activate SAM
- Select "RGB Align"
- Use a 75% white screen (Fluke 54200) or "Flat73" (Quantum Data 802BT) as input signal and set the following values:
 - All "R/G/B Gain" values initial to "128" (maximum).
 - All "R/G/B Offset" values (blacklevel) to "0".

In case you have a color analyzer:

- Measure with a calibrated (phosphor- independent) color analyzer (e.g. Minolta CA-210) in the centre of the screen.

Consequently, the measurement needs to be done in a dark environment.

- Adjust the correct x,y coordinates (while holding one of the White point registers R, G or B on "128") by means of decreasing the value of one or two other white points to the correct x,y coordinates (see table "White D alignment values"). Tolerance: dx: ± 0.004, dy: ± 0.004.
- Repeat this step for the other color Temperatures that need to be aligned.
- Select "Store" in the "RGB Align" menu to store the aligned values to the NVM.

Table 3 White D alignment values

Value	Cool (11500 K)	Normal (9000 K)	Warm (6500 K)
x	0.276	0.289	0.314
y	0.277	0.291	0.319

If you do not have a color analyzer, you can use the default values. This is the next best solution. The default values are average values coming from production (statistics).

- Set the "R/G/B Gain" default values per temperature according to the values in the "Tint settings" table.
- Select "Store" in the "RGB Align" menu to store the aligned values to the NVM.

Table 4 Tint settings

Alignment	42"	47"
WARM_RED	255°	255°
WARM_GREEN	236°	236°
WARM_BLUE	180°	180°
NORMAL_RED	246°	246°
NORMAL_GREEN	248°	248°
NORMAL_BLUE	255°	255°
COOL_RED	210°	210°
COOL_GREEN	226°	226°
COOL_BLUE	255°	255°

Note: *These values were not available at the time of writing, therefore they come from an early production sample (for indication only). As soon as the production data become available, a Service Info or Service Manual update will be issued via the appropriate channels.

Black Level Offset Alignment

- Activate SAM.
- Select "RGB Align" and choose a temperature.
- For each temperature, the "R/G/B Offset" value should be set to "0".
- Select "Store" in the "RGB Align" menu to store the aligned values to the NVM.

6.4.1 Introduction

The microprocessor communicates with a large number of I²C ICs in the set. To ensure good communication and to make digital diagnosis possible, the microprocessor has to know which ICs to address. The presence/absence of these specific ICs (or functions) is made known by the option codes.

Notes:

- After changing the option(s), save them with the "Store" command.
- The new option setting becomes active after the TV is switched "off" and "on" again with the mains switch (the NVM is then read again).

6.4.2 How To Set Option Codes

When the NVM is replaced, all options except for the eighth option indicated as "****" in table 5 will require resetting. To be certain that the factory settings are reproduced exactly, you must set all numbers except for the eighth option. You can find the correct option numbers in table 5 "Option Codes OP1...OP10" below.

How to Change Options Codes

An option code (or "option byte") represents eight different options (bits). When you change these numbers directly, you can set all options very quickly. All options are controlled via ten option bytes (OP1...OPA).

Activate SAM and select "Options". Now you can select the option byte (OP#1.. OP#A) with the CURSOR UP/ DOWN keys, and enter the new 3 digit (decimal) value. For the correct factory default settings, see the next table "Option code overview". The display code will need to be reset when replacing the SSB. To enter the display code, press 0 6 2 5 9 8 Menu followed by the three digit display code. The third and fourth digit of the serial number indicates which panel and display code is used. The option and display codes are also listed on a label inside the set.

Table 5 Option code overview

CTN	Option Code	Display Code	Panel
32PFL6704D/F7	075 121 222 248 006 238 054 *** 000 001	181	TFT-LCD LC320WUF-SBN1
42PFL6704D/F7	075 121 222 248 006 238 054 *** 000 002	183	TFT-LCD LC420WUF-SBN1
47PFL6704D/F7	075 121 222 248 006 238 054 *** 000 003	186	TFT-LCD LC470WUF-SBN1

Note: Display codes are subject to change if the display panel changes during production. If the serial number is not listed here, refer to the Screen Diversity code chart on the service website.
The eighth option is not meant to be manipulated or adjusted at all when repairing the unit; thus, described as "****" in table 5.

ELECTRICAL ADJUSTMENT INSTRUCTIONS

Note: Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

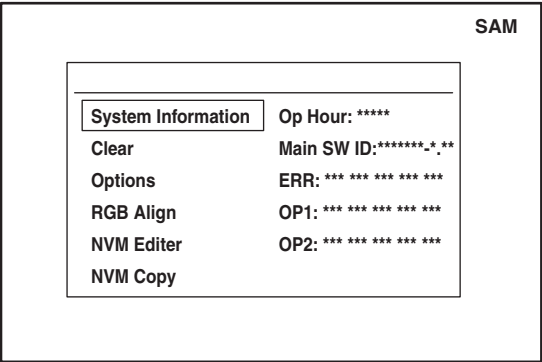
- 1. NTSC Pattern Generator
- 2. Remote control unit
- 3. Color Analyzer

How to set up the service mode:

Service mode:

- 1. Turn the power on.
- 2. Press [0], [6], [2], [5], [9], [6] and [Info] buttons on the remote control unit in the order. The following screen appears.

"*" differs depending on the models.



The following adjustment normally are not attempted in the field. Only when replacing the LCD Panel then adjust as a preparation.

1. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

Input Requirements

Input signal: CVBS (NTSC)

Pattern for White Point alignment:

- White 100%

Input Injection Point:

AV1

Alignment Method

1. Operate the unit for more than 12 minutes.
2. Set the color analyzer to the CHROMA mode and bring the optical receptor to the center on the LCD-Panel surface after zero point calibration.
Note: The optical receptor must be set perpendicularly to the LCD Panel surface.
3. Enter the Service mode.
Note: To select menu or change the setting values, use the Up/Down buttons. To enter the setting, use the [OK] button or Right button.
4. Press the [MENU] button on the remote control unit to select "TV Setting", "Picture", "Color temperature" or "Cool" in order and set the "Color temperature" to "Cool".
5. Press the [MENU] button on the remote control unit to return the service mode initial display.
6. Select the "RGB Align" and "Cool" in order and set the "R offset", "G offset" and "B offset" to 0.
7. Set the "R Gain", "G Gain" and "B Gain" to maximum value.
8. Adjust one or two of the three Red, Green, Blue Gain to obtain the target "Cool" x,y values as stated in the Table A keeping at least one of Red, Green, Blue Gain value at the maximum value.
9. Select "Store" to store selected values into NVM.
10. Change the selection to "Normal" or "Warm" in step 4 and repeat from step 5.

Table A

Cool	X	y
Target	0.276	0.277
Tolerance	±0.004	±0.004
Normal	X	y
Target	0.289	0.291
Tolerance	±0.004	±0.004
Warm	X	y
Target	0.314	0.319
Tolerance	±0.004	±0.004

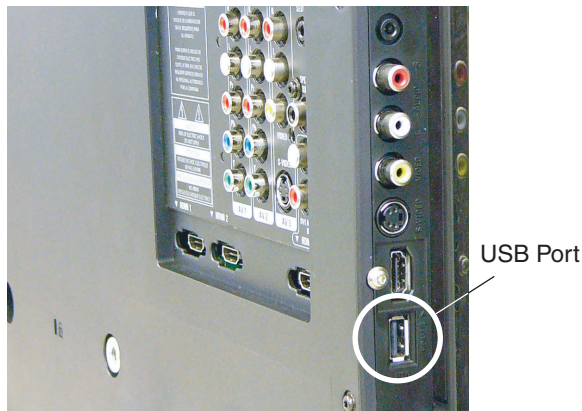
FIRMWARE RENEWAL MODE

Equipment Required

- a. USB memory
- b. Remote Control Unit

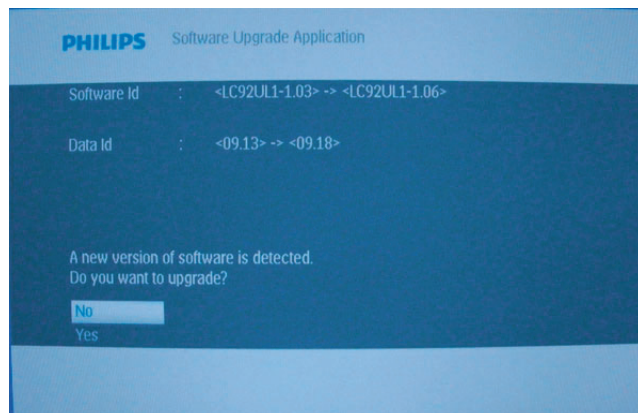
Firmware Update Procedure

1. Download the *.zip file from the service or consumer site and extract the autorun.upg file.
2. Load the autorun2k9f.upg file in the root directory of a USB drive.
3. Turn the TV on.
4. Press [0], [6], [2], [5], [9], [6] and [info] buttons on the remote control unit in the order. SAM mode menu screen appears.
5. Press [MENU] button on the remote control unit. Menu screen appears.
6. Insert the USB drive in the USB port on the TV.

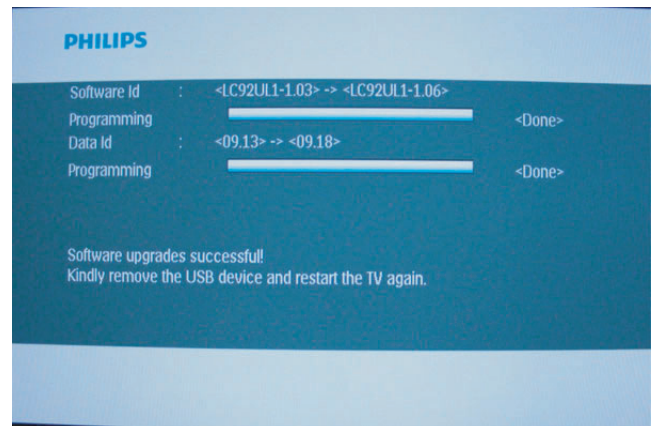


Rear Cabinet

7. Select Yes and press the OK button on the remote control unit. If the Software upgrade screen does not appear, try a different USB drive.

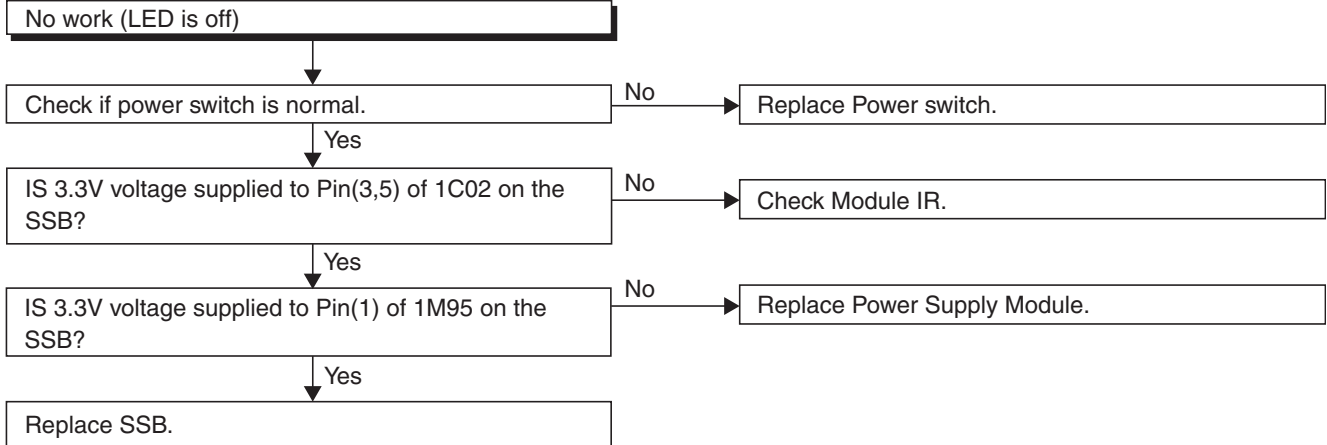


8. When the upgrading process is complete, remove the USB drive and restart the TV.

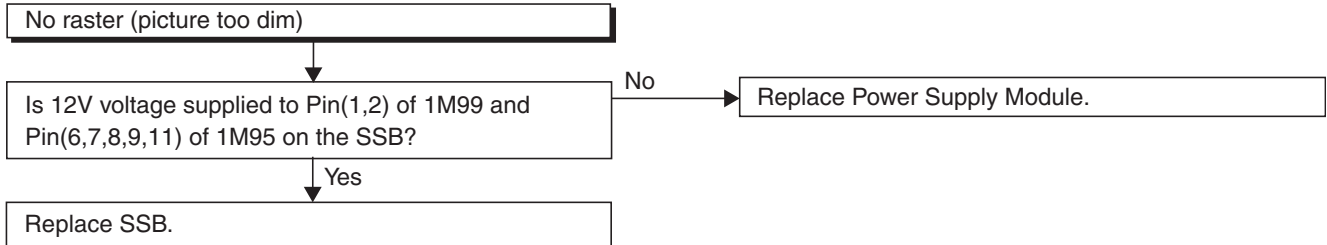


TROUBLESHOOTING

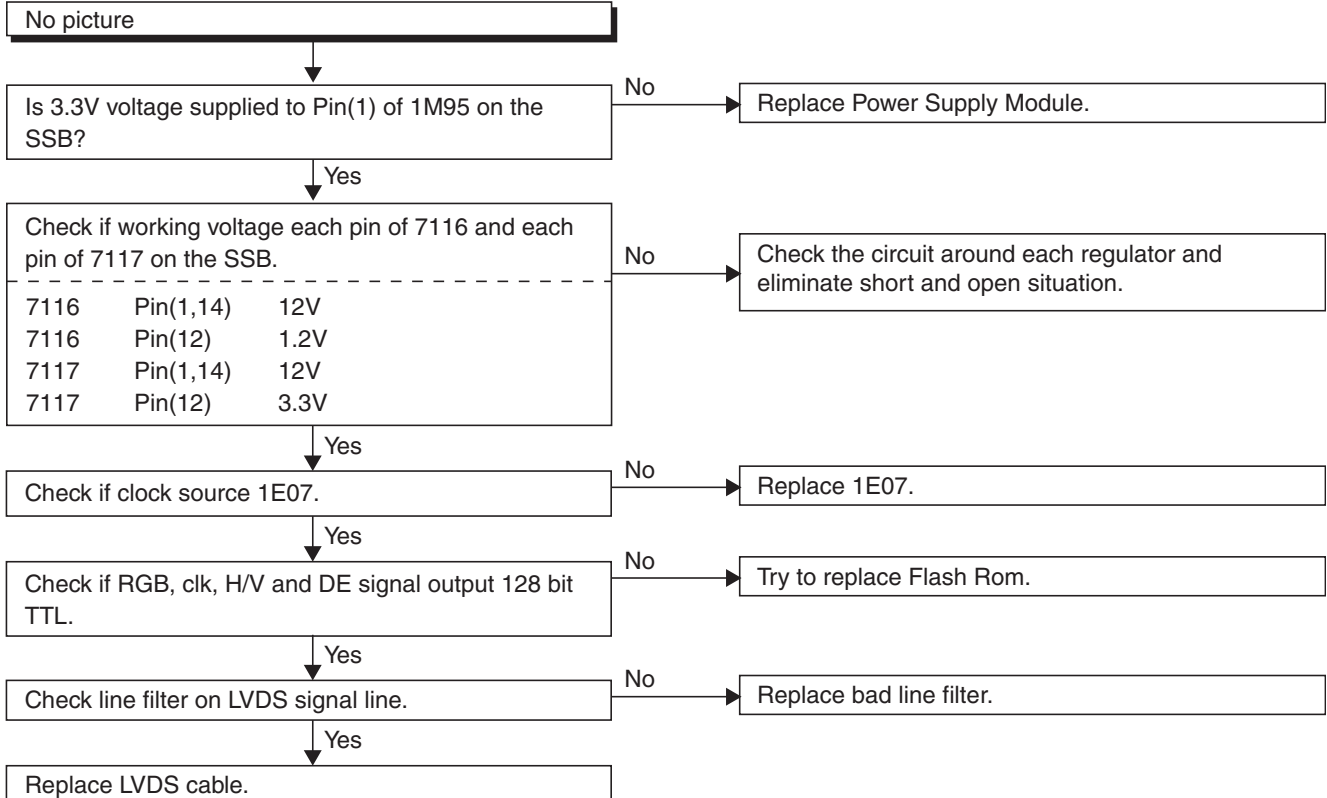
FLOW CHART NO.1



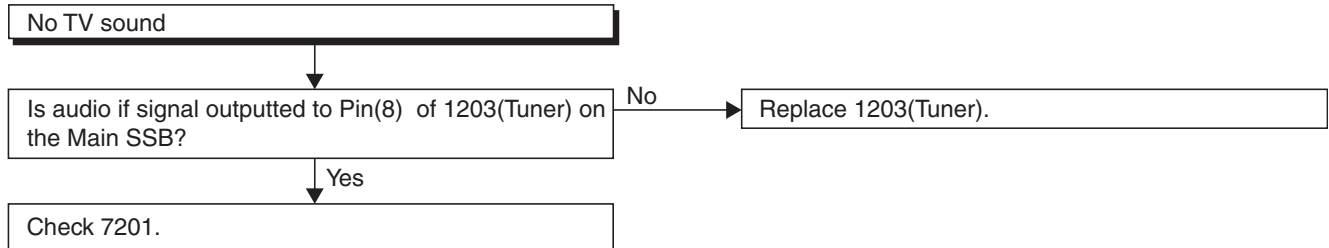
FLOW CHART NO.2



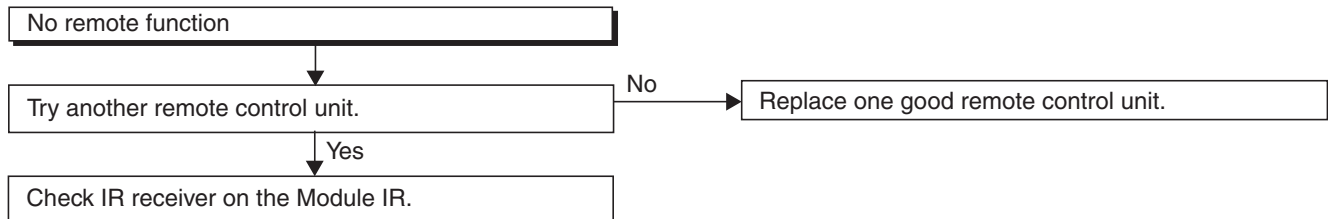
FLOW CHART NO.3



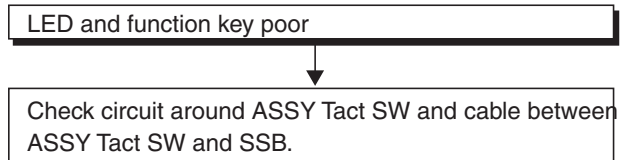
FLOW CHART NO.4



FLOW CHART NO.5

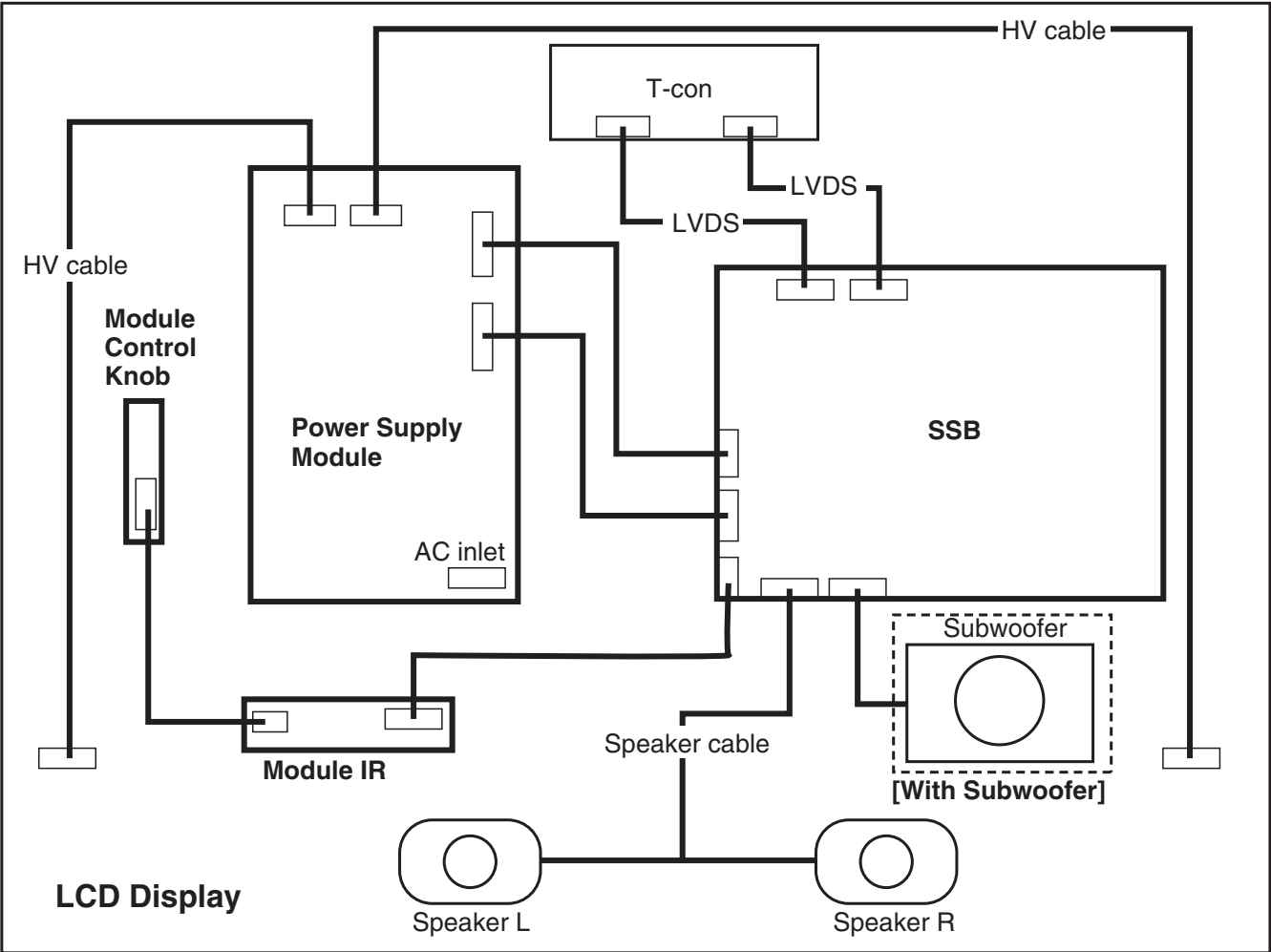


FLOW CHART NO.6

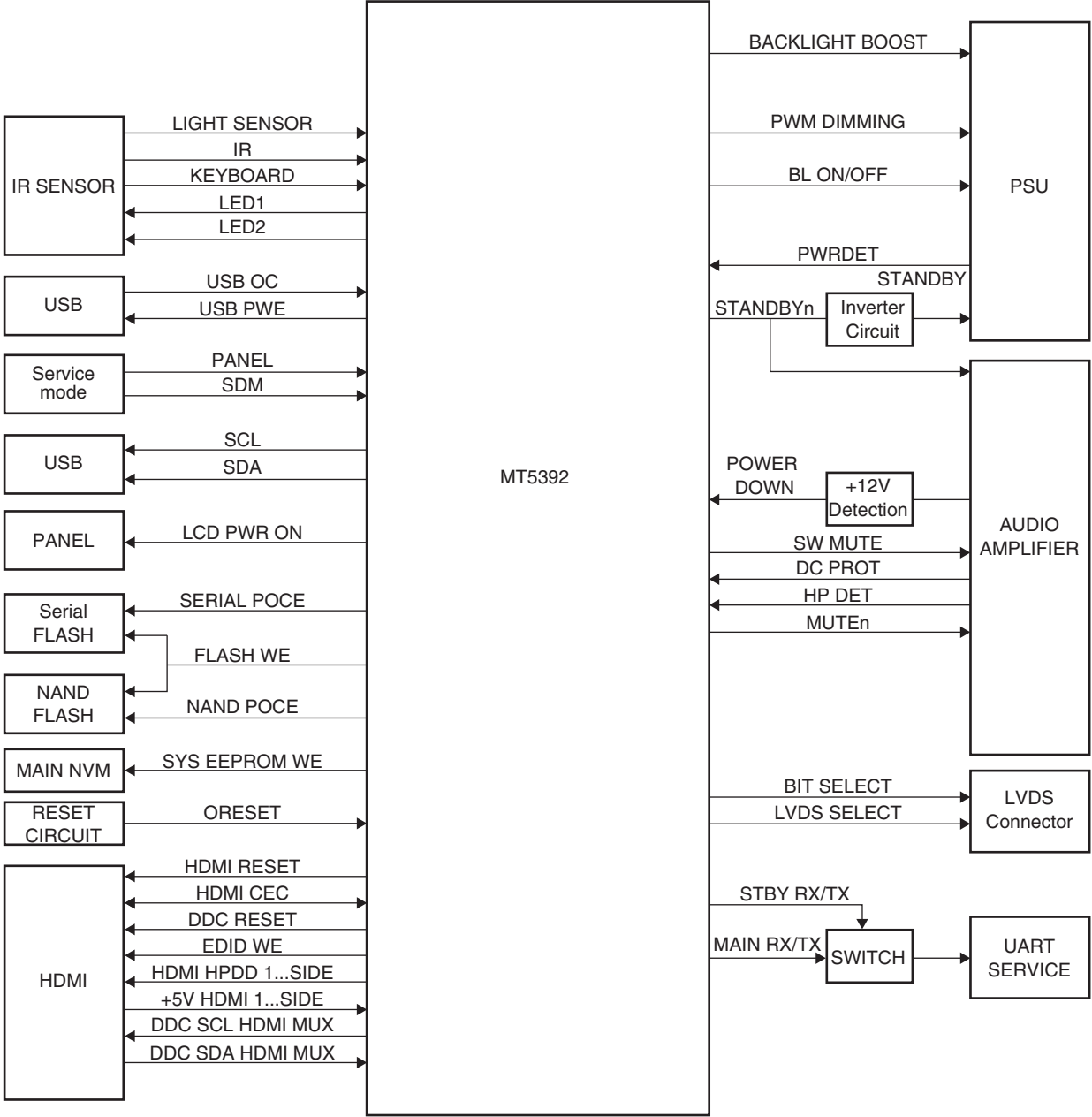


BLOCK DIAGRAMS

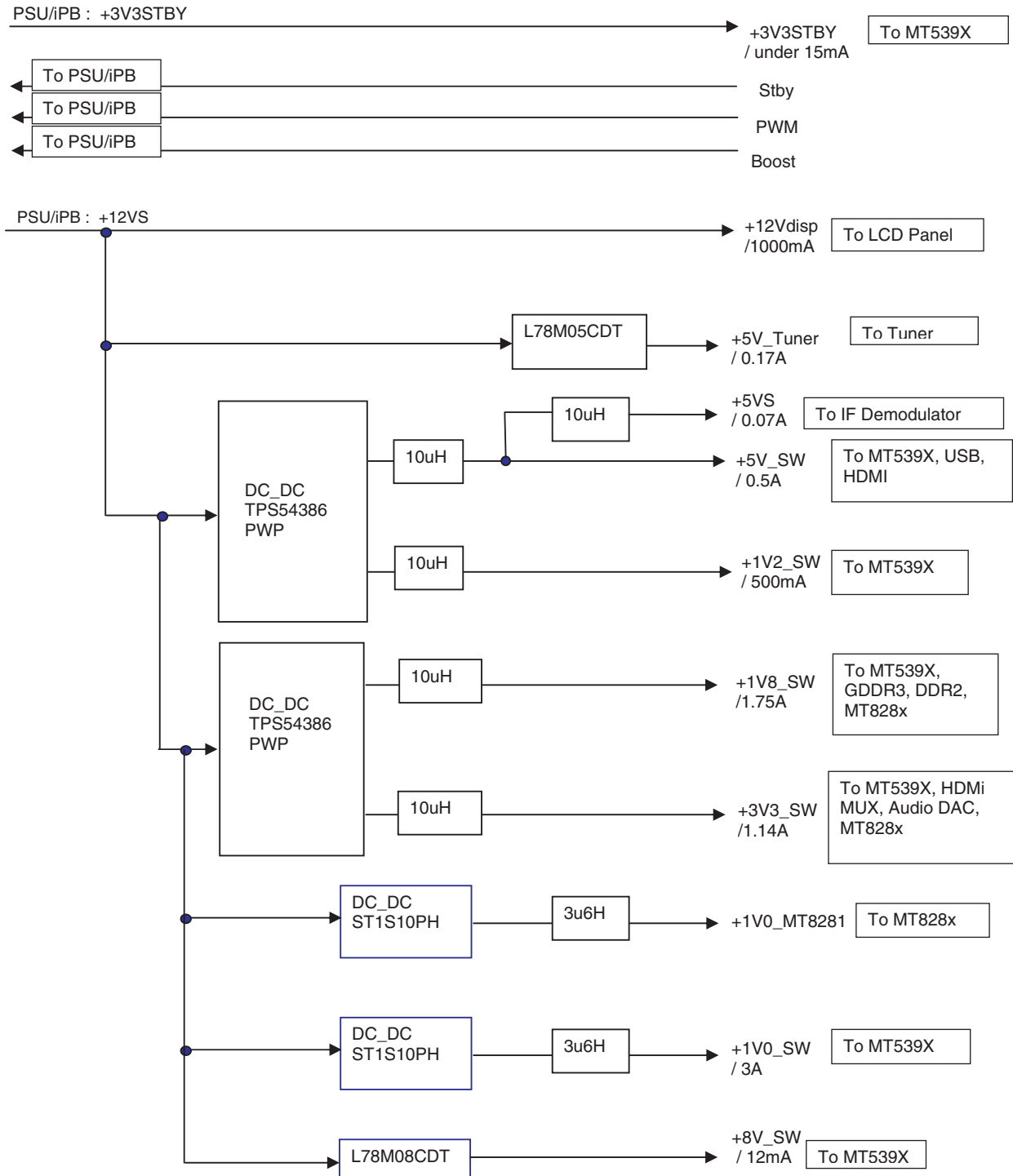
Set Level System Block Diagram



Control Signal Flow Diagram

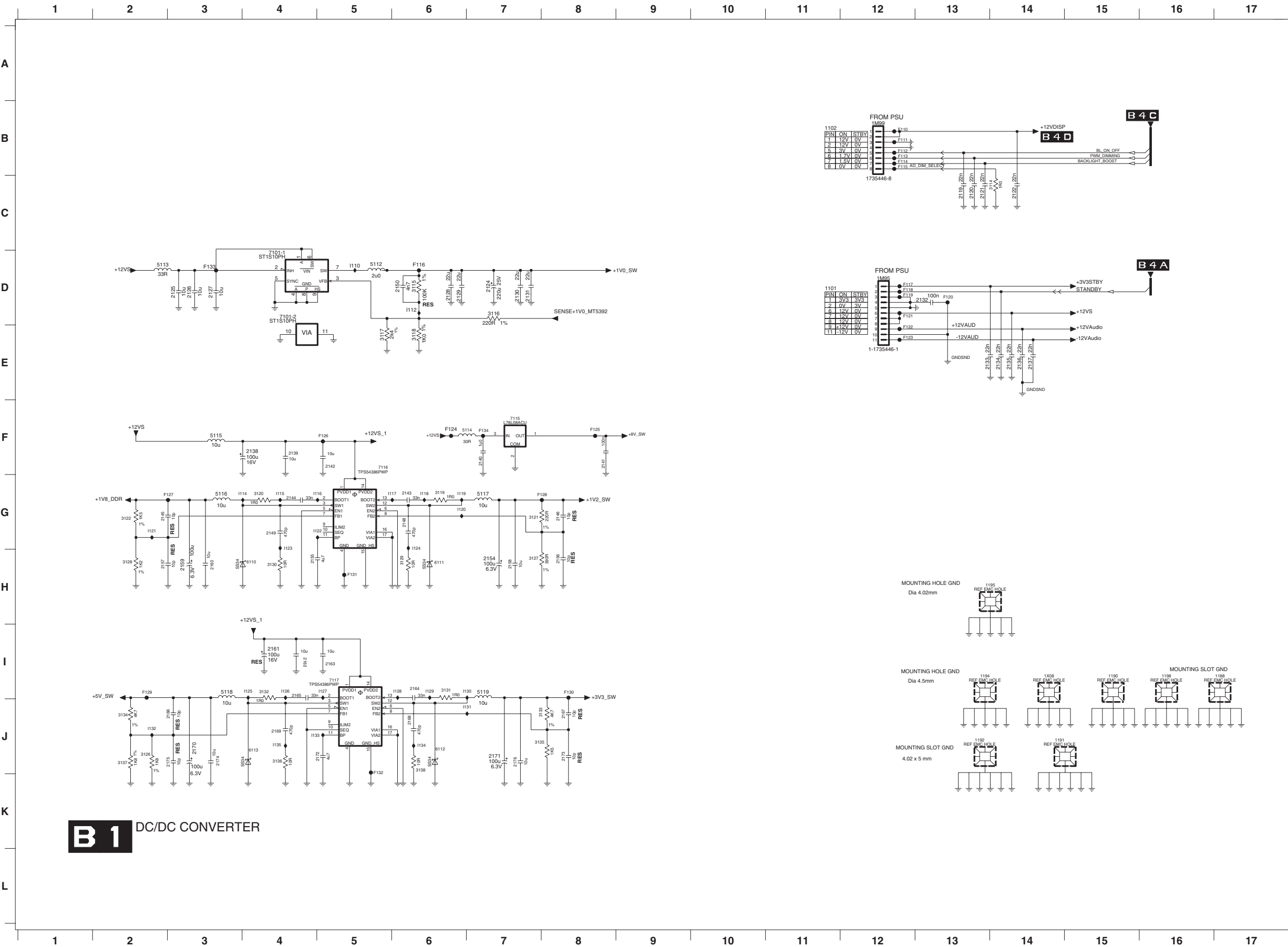


Power Management Diagram

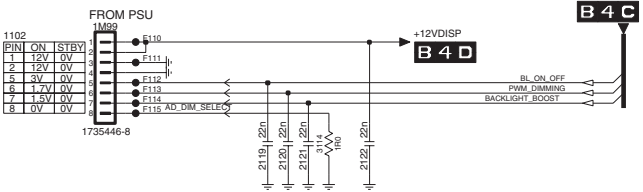


SCHEMATIC DIAGRAMS AND CBA

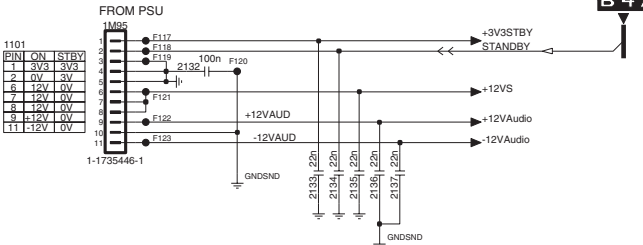
SSB 1/12 Schematic Diagram (DC/DC CONVERTER)



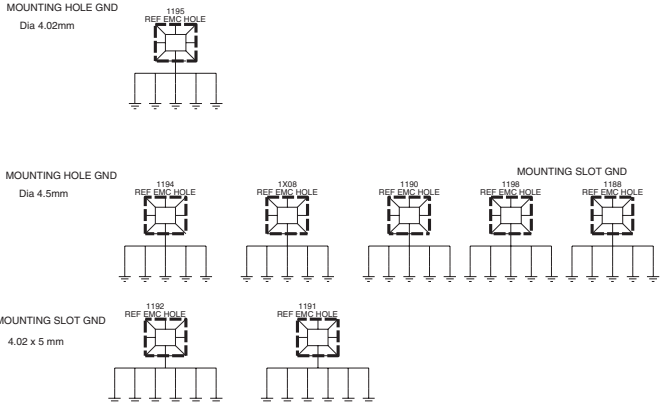
B 1 DC/DC CONVERTER



B 4 C



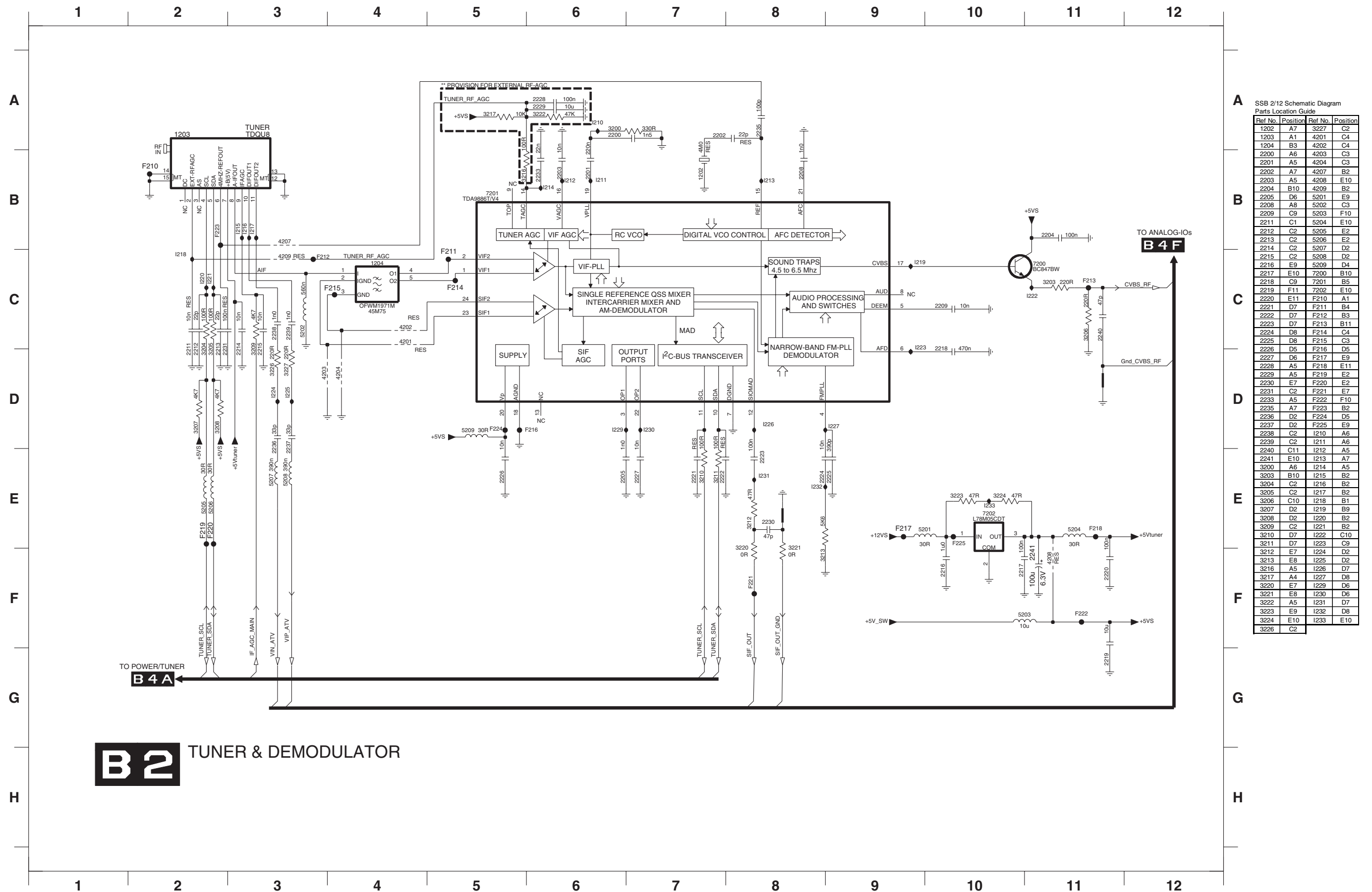
B 4 A



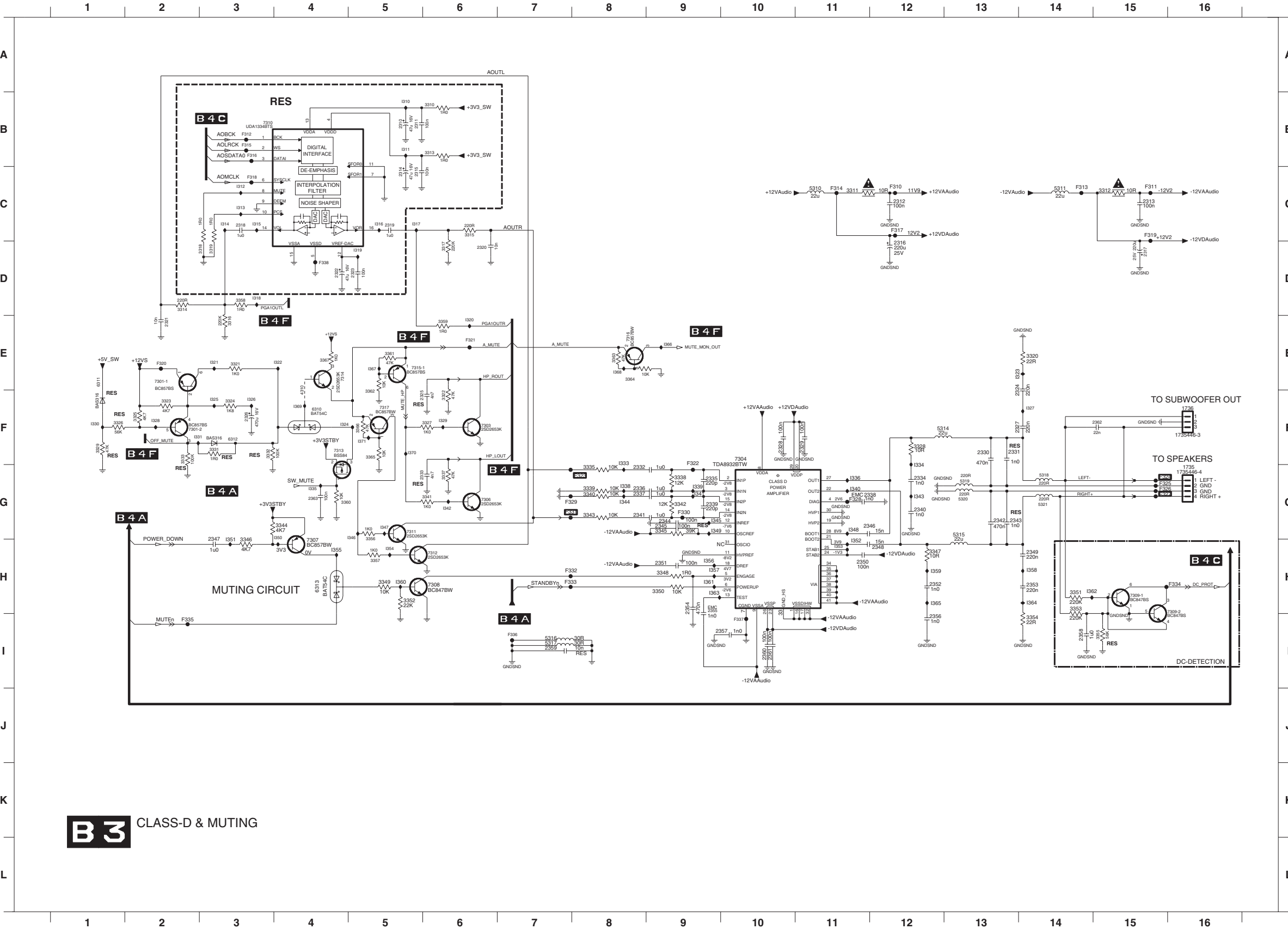
SSB 1/12 Schematic Diagram
Parts Location Guide

Ref No.	Position	Ref No.	Position
1188	H16	3130	G3
1190	H15	3131	H6
1191	I14	3132	H3
1192	I13	3133	I7
1194	H13	3134	I1
1195	G13	3135	I7
1198	H15	3136	I3
1M95	C12	3137	I1
1M99	A11	3138	I5
1X08	H14	5112	C5
2119	B13	5113	C2
2120	B13	5114	E6
2121	B13	5115	E3
2122	B13	5116	F3
2124	C6	5117	F6
2125	C2	5118	H3
2126	C2	5119	H6
2127	C3	6110	G3
2128	C6	6111	G6
2129	C6	6112	I6
2130	C7	6113	I3
2131	C7	7101-1	B4
2132	C12	7101-2	C4
2133	D13	7115	E7
2134	D13	7116	E5
2135	D13	7117	H4
2136	D13	F110	A12
2137	D13	F111	A12
2138	E3	F112	A12
2139	E4	F113	A12
2140	E6	F114	A12
2141	E8	F115	A12
2142	E4	F116	C5
2143	F5	F117	C12
2144	F4	F118	C12
2145	F2	F119	C12
2146	F7	F120	C12
2148	F5	F121	C12
2149	F3	F122	C12
2150	C5	F123	D12
2154	F6	F124	E6
2155	F4	F125	E8
2156	F7	F126	E4
2157	G2	F127	F2
2158	G7	F128	F7
2159	G2	F129	H2
2160	G3	F130	H7
2161	H3	F131	G4
2162	H4	F132	I5
2163	H4	F133	C2
2164	H5	F134	E6
2165	H4	I110	C4
2166	I2	I112	C5
2167	I7	I114	F3
2168	I5	I115	F3
2169	I3	I116	F4
2170	I2	I117	F5
2171	I6	I118	F5
2172	I4	I119	F6
2173	I7	I120	F6
2174	I3	I121	F2
2175	I2	I122	F4
2176	I7	I123	F4
3114	A13	I124	F5
3115	C5	I125	H3
3116	C6	I126	H4
3117	C5	I127	H4
3118	C5	I128	H5
3119	F6	I129	H5
3120	F3	I130	H6
3121	F7	I131	H6
3122	F1	I132	I2
3126	I2	I133	I4
3127	F7	I134	I5
3128	G1	I135	I3
3129	G5		

SSB 2/12 Schematic Diagram (TUNER & DEMODULATOR)



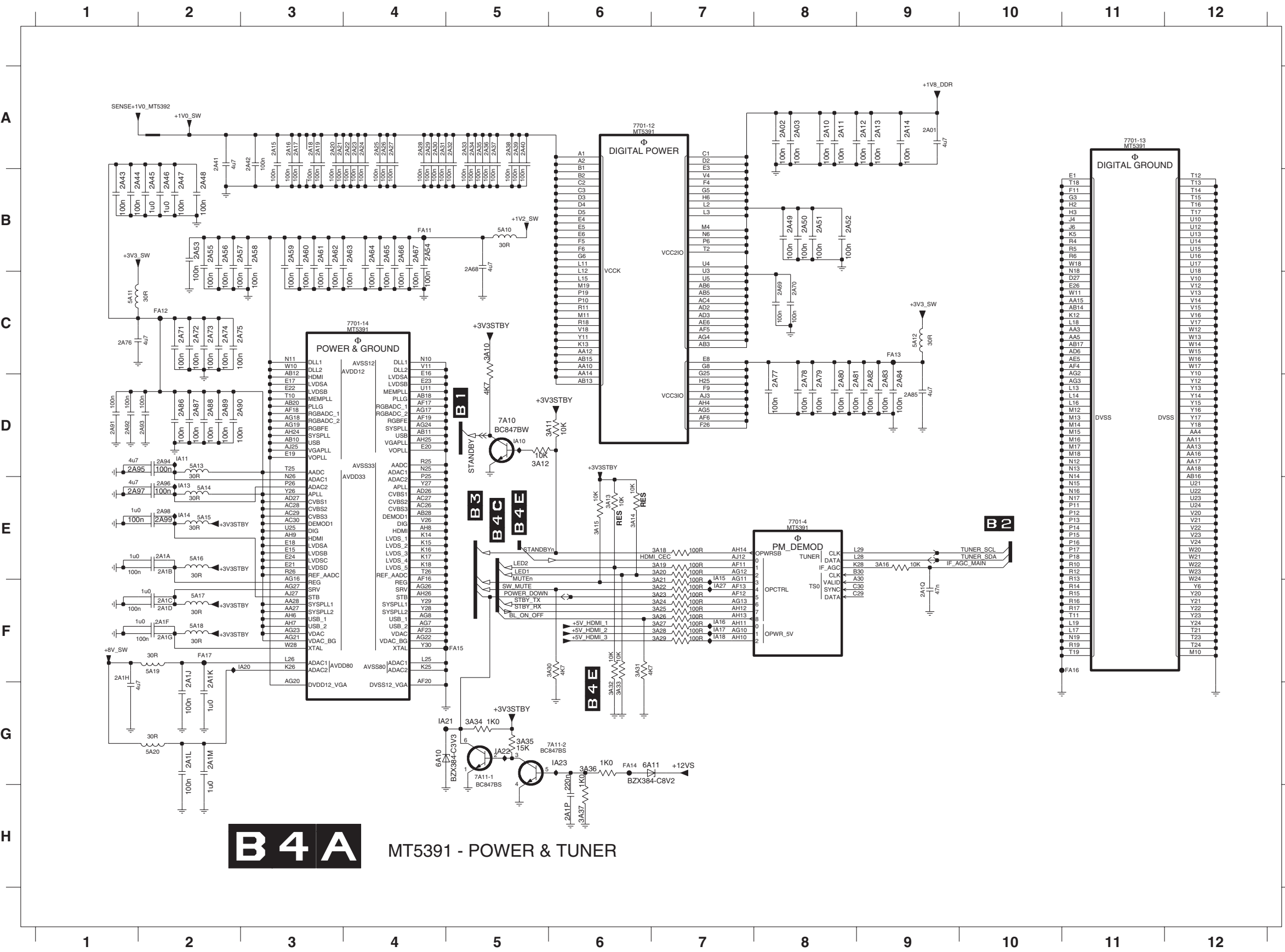
SSB 3/12 Schematic Diagram (CLASS-D & MUTING)



SSB 3/12 Schematic Diagram
Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position
1735	E15	3333	E2	F323	E7
1736	D15	3335	E7	F324	E15
2310	A5	3337	E5	F325	E15
2311	A5	3338	E9	F326	F15
2312	B12	3339	F7	F327	F15
2313	B15	3340	F7	F328	F11
2314	B5	3341	F5	F329	F7
2315	B5	3342	F9	F330	F9
2316	B12	3343	F7	F331	F7
2317	B15	3344	F3	F332	G7
2318	C3	3345	F8	F333	G7
2319	C5	3346	F3	F334	G15
2320	C6	3347	F12	F335	G2
2321	C2	3348	G8	F336	H6
2322	C4	3349	G5	F337	G9
2323	C4	3350	G8	F338	C4
2324	D13	3351	G14	I310	A5
2325	D5	3352	G5	I311	B5
2326	E3	3353	G14	I312	B2
2327	E13	3354	G13	I313	B2
2328	E10	3355	H14	I314	C3
2329	E10	3356	F4	I315	C3
2330	E13	3357	G4	I316	C5
2331	E13	3358	C3	I317	C5
2332	E8	3359	C5	I318	C3
2333	E5	3360	F4	I319	C4
2334	E12	3361	D5	I320	C6
2335	E9	3362	D4	I321	D2
2336	F8	3363	D8	I322	D3
2337	F8	3364	D8	I323	D13
2338	F11	3365	E3	I324	E4
2339	F9	3366	E4	I325	D2
2340	F12	3367	D4	I326	D3
2341	F8	4310	D4	I327	D13
2342	F13	5310	B10	I328	E2
2343	F13	5311	B14	I329	E5
2344	F8	5314	E12	I330	E1
2345	F8	5315	F12	I331	E2
2346	F11	5316	H7	I333	E8
2347	F3	5317	H7	I334	E12
2348	F11	5318	E14	I335	F4
2349	F13	5319	E12	I336	E11
2350	G11	5320	F12	I338	F8
2351	G8	5321	F13	I339	F9
2352	G12	6310	D4	I340	F11
2353	G13	6311	D1	I341	F9
2354	G9	6312	E3	I342	F5
2355	G9	6313	G4	I343	F12
2356	G12	7301-1	D2	I344	F8
2357	G9	7301-2	E2	I345	F9
2358	H14	7303	E6	I346	F4
2359	H7	7304	E10	I347	F5
2360	H10	7306	F6	I348	F11
2361	H10	7307	F4	I349	F9
2362	E14	7308	G5	I350	F3
2363	F4	7309-1	G15	I351	F3
3310	A5	7309-2	G15	I352	F11
3311	B11	7310	A3	I353	F11
3312	B14	7311	F5	I354	F5
3313	B5	7312	F5	I355	F4
3314	C2	7313	E4	I356	G9
3315	C5	7314	D4	I357	G9
3316	C3	7315-1	D5	I358	G13
3317	C5	7316	D8	I359	G12
3318	C2	7317	D5	I360	G5
3319	C2	F310	A12	I361	G9
3320	D13	F311	A15	I362	G14
3321	D3	F312	B3	I363	G9
3322	D5	F313	B14	I364	G13
3323	D2	F314	B11	I365	G12
3324	D3	F315	B3	I366	D8
3325	E1	F316	B3	I367	D4
3326	E1	F317	B12	I368	D8
3327	E5	F318	B3	I369	D3
3328	E12	F319	B15	I370	E5
3329	E1	F320	D2	I371	E4
3331	E2	F321	D6		
3332	E3	F322	E9		

SSB 4/12 Schematic Diagram (MT5391 - POWER & TUNER)



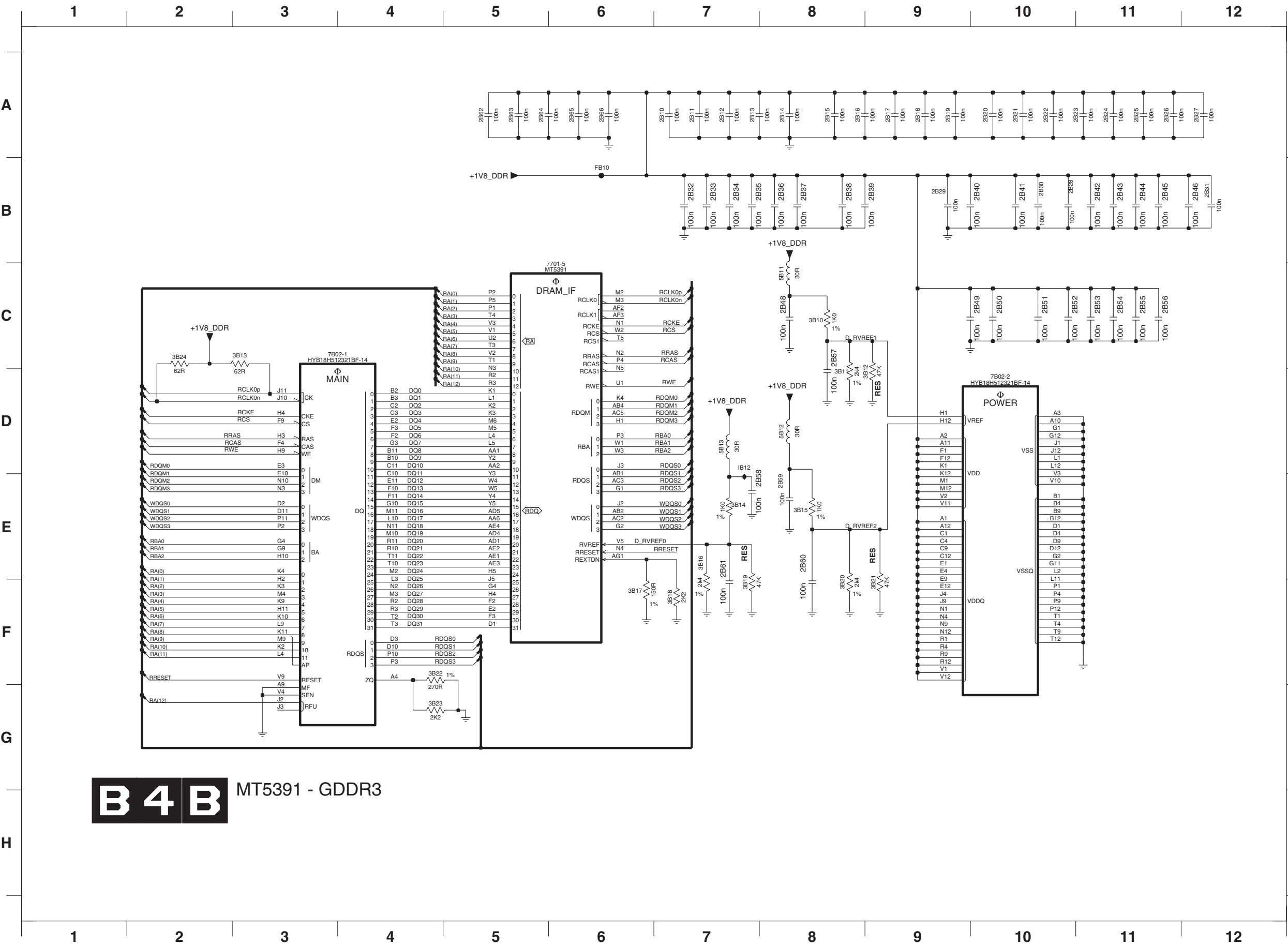
SSB 4/12 Schematic Diagram
Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position
2A01	A8	2A52	A8	3A21	E6
2A02	A7	2A53	B1	3A22	E6
2A03	A7	2A54	B4	3A23	E6
2A10	A7	2A55	B1	3A24	E6
2A11	A8	2A56	B2	3A25	E6
2A12	A8	2A57	B2	3A26	E6
2A13	A8	2A58	B2	3A27	E6
2A14	A8	2A59	B2	3A28	E6
2A15	A2	2A60	B2	3A29	F6
2A16	A2	2A61	B3	3A30	F5
2A17	A2	2A62	B3	3A31	F6
2A18	A2	2A63	B3	3A32	F5
2A19	A3	2A64	B3	3A33	F5
2A1A	E1	2A65	B3	3A34	F4
2A1B	E1	2A66	B3	3A35	F5
2A1C	E1	2A67	B3	3A36	G5
2A1D	E1	2A68	B4	3A37	G5
2A1F	E1	2A69	B7	5A10	B4
2A1G	E1	2A70	B7	5A11	B1
2A1H	F1	2A71	C1	5A12	C8
2A1J	F1	2A72	C1	5A13	D1
2A1K	F1	2A73	C1	5A14	D1
2A1L	G1	2A74	C2	5A15	D1
2A1M	G1	2A75	C2	5A16	E1
2A1P	G5	2A76	C1	5A17	E1
2A1Q	E8	2A77	C7	5A18	E1
2A20	A3	2A78	C7	5A19	F1
2A21	A3	2A79	C7	5A20	G1
2A22	A3	2A80	C8	6A10	G4
2A23	A3	2A81	C8	6A11	G6
2A24	A3	2A82	C8	7701-12	A6
2A25	A3	2A83	C8	7701-13	A10
2A26	A3	2A84	C8	7701-14	B3
2A27	A3	2A85	C8	7701-4	D7
2A28	A4	2A86	C1	7A10	C4
2A29	A4	2A87	C1	7A11-1	G4
2A30	A4	2A88	C1	7A11-2	G5
2A31	A4	2A89	C2	FA11	B4
2A32	A4	2A90	C2	FA12	B1
2A33	A4	2A91	C1	FA13	C8
2A34	A4	2A92	C1	FA14	G6
2A35	A4	2A93	C1	FA15	F4
2A36	A4	2A94	D1	FA16	F10
2A37	A4	2A95	D1	FA17	F1
2A38	A4	2A96	D1	IA10	D4
2A39	A4	2A97	D1	IA11	D1
2A40	A5	2A98	D1	IA13	D1
2A41	A2	2A99	D1	IA14	D1
2A42	A2	3A10	C4	IA15	E6
2A43	A1	3A11	C5	IA16	E6
2A44	A1	3A12	D5	IA17	E6
2A45	A1	3A13	D5	IA18	E6
2A46	A1	3A14	D6	IA20	F2
2A47	A1	3A15	D5	IA21	F4
2A48	A1	3A16	E8	IA22	G4
2A49	A7	3A18	E6	IA23	G5
2A50	A7	3A19	E6	IA27	E6
2A51	A7	3A20	E6		

B4A

MT5391 - POWER & TUNER

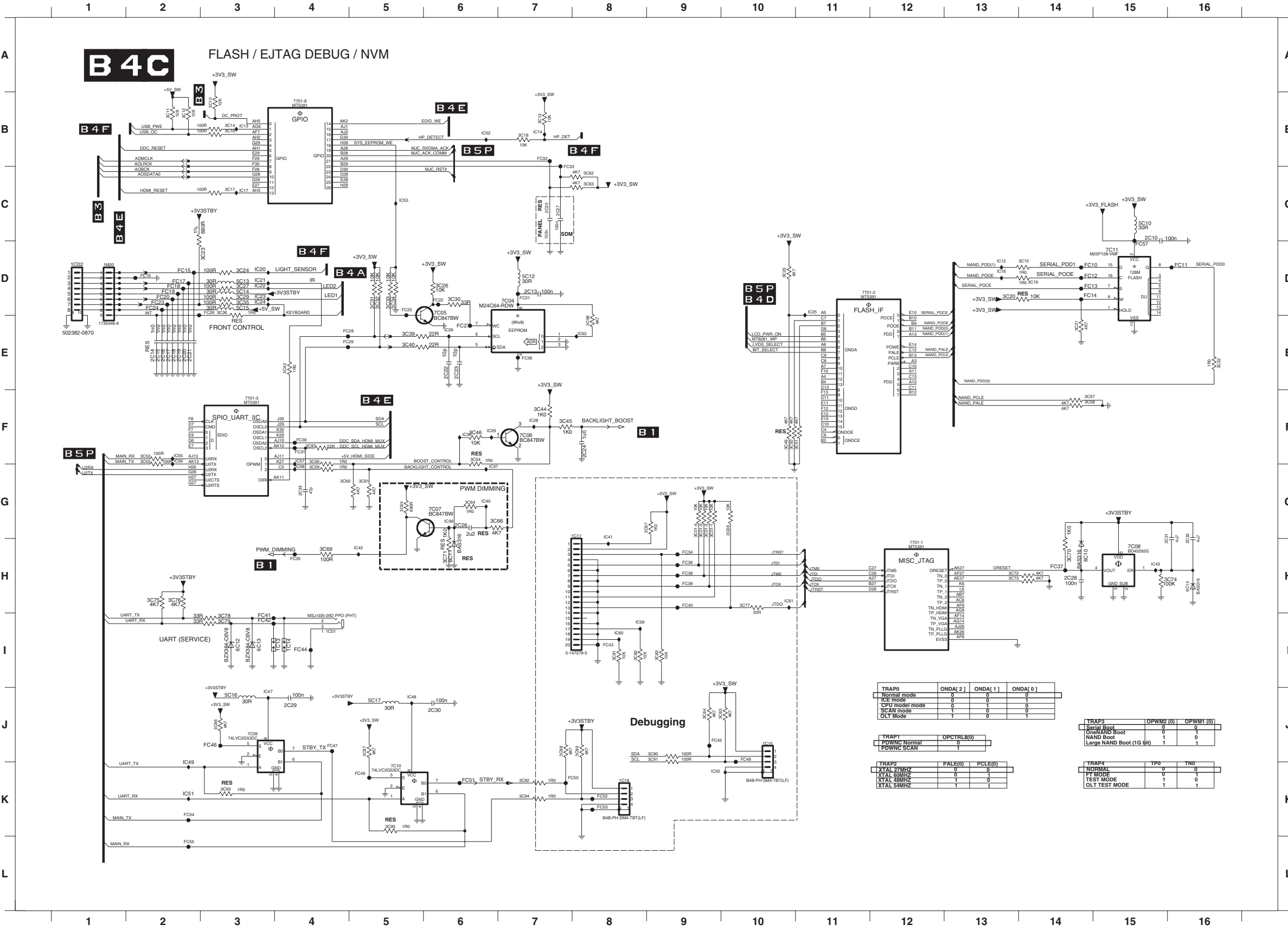
SSB 5/12 Schematic Diagram (MT5391 - GDDR3)



SSB 5/12 Schematic Diagram
Parts Location Guide

Ref No.	Position
2B10	A6
2B11	A6
2B12	A7
2B13	A7
2B14	A7
2B15	A8
2B16	A8
2B17	A8
2B18	A8
2B19	A9
2B20	A9
2B21	A9
2B22	A10
2B23	A10
2B24	A10
2B25	A10
2B26	A11
2B27	A11
2B28	A10
2B29	A9
2B30	A10
2B31	A11
2B32	B6
2B33	B6
2B34	B7
2B35	B7
2B36	B7
2B37	B7
2B38	B8
2B39	B8
2B40	B9
2B41	B9
2B42	B10
2B43	B10
2B44	B10
2B45	B11
2B46	B11
2B47	C7
2B48	C9
2B49	C9
2B50	C9
2B51	C10
2B52	C10
2B53	C10
2B54	C10
2B55	C10
2B56	C11
2B57	C8
2B58	D7
2B59	D7
2B60	E7
2B61	E7
2B62	A4
2B63	A5
2B64	A5
2B65	A5
2B66	A5
3B10	C7
3B11	C8
3B12	C8
3B13	C2
3B14	D7
3B15	D7
3B16	E6
3B17	E6
3B18	E6
3B19	E7
3B20	E8
3B21	E8
3B22	F4
3B23	F4
3B24	C1
5B11	B7
5B12	D7
5B13	D7
7701-5	B5
7B021-1	C3
7B02-2	C9
FB10	A5
IB12	D7

SSB 6/12 Schematic Diagram (FLASH/EJTAG DEBUG/NVM)



SSB 6/12 Schematic Diagram

Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position
3C40	E5	3C58	F14	IC23	D3
3C12	B2	3C59	G4	IC24	D3
3C13	B7	3C60	G4	IC25	D11
3C14	B3	3C61	G4	IC26	E6
3C15	D13	3C62	C8	IC28	F7
3C16	B3	3C63	C8	IC29	F6
3C17	C3	3C64	G6	IC30	F6
3C18	B7	3C65	G5	IC37	G6
3C19	D14	3C66	G6	IC39	G6
3C20	D13	3C67	G8	IC40	G6
3C21	E14	3C68	G9	IC41	G8
3C22	E16	3C69	H4	IC42	H4
3C23	D2	3C70	H14	IC43	H15
3C24	D3	3C71	H6	IC47	J3
3C25	D10	3C72	H13	IC48	J5
3C26	D6	3C73	H13	IC49	J2
3C27	D3	3C74	H15	IC50	K9
3C29	D3	3C75	H2	IC51	K2
3C30	D6	3C76	H2	IC52	B6
3C31	D5	3C77	H10	IC53	C5
3C32	D5	3C78	I3	IC55	F2
3C33	D5	3C79	I3	IC56	F2
3C34	D5	3C81	I8	FC17	D2
3C35	D3	3C82	I8	FC18	D2
3C36	D3	3C83	I8	FC19	D2
3C39	E5	3C84	J9	FC20	D2
1C01	I4	3C85	J9	FC21	D7
1C02	D1	3C86	J3	FC22	D6
1C11	G7	3C87	J5	FC23	D2
1C13	I3	3C88	J7	FC24	D2
1C14	I3	3C89	J7	FC25	D5
1C15	J10	3C90	J8	FC26	D2
1C16	K8	3C91	J8	FC27	E6
1M20	D1	3C92	K7	FC28	E4
2C10	C15	3C93	K3	FC29	E4
2C13	D7	3C94	K7	FC30	F4
2C14	E2	3C95	K5	FC31	F4
2C15	E2	3C96	E8	FC32	B7
2C16	E2	3C97	F4	FC33	C7
2C17	E2	5C10	C15	FC34	H9
2C18	E2	5C12	D7	FC35	H4
2C19	E2	5C13	D3	FC36	H4
2C20	E2	5C14	D3	FC37	H14
2C21	E2	5C15	D3	FC38	H9
2C22	E6	5C16	J3	FC39	H9
2C23	E6	5C17	J5	FC40	H9
2C24	F7	6C10	H14	FC41	H3
2C25	C7	6C11	H6	FC42	I3
2C26	G6	6C12	I3	FC43	I8
2C27	C7	6C13	I3	FC44	I4
2C28	H14	6C14	H16	FC45	J9
2C29	J4	7701-1	H12	FC46	J2
2C30	J5	7701-2	D11	FC47	J4
2C31	G15	7701-3	F3	FC48	J10
2C32	G16	7701-8	B4	FC49	K4
2C33	G4	7C04	D6	FC50	K7
3C01-1	G9	7C05	D5	FC51	K6
3C01-2	G9	7C06	F7	FC52	K8
3C01-3	G9	7C07	G5	FC53	K8
3C01-4	G9	7C08	H15	FC54	K2
3C10	B2	7C09	J3	FC55	L2
3C11	B2	7C10	K5	FC56	E7
3C42	E3	7C11	D15	FC57	D15
3C44	F7	FC10	D14	IC12	D13
3C45	F7	FC11	D16	IC13	B3
3C46	F6	FC12	D14	IC14	B7
3C49	F10	FC13	D14	IC16	D13
3C50	F10	FC14	D14	IC17	C3
3C51	F10	FC15	D2	IC20	D3
3C52	F2	FC16	D2	IC59	I8
3C54	F6	IC58	G4	IC60	I8
3C55	F2	IC57	F4	IC61	H10
3C56	F4	IC21	D3	IC62	E7
3C57	F14	IC22	D3		

TRAP0	ONDA[2]	ONDA[1]	ONDA[0]
Normal mode	0	0	0
ICE mode	0	0	1
CPU mode	0	1	0
SCAN mode	1	0	0
OLY Mode	1	0	1

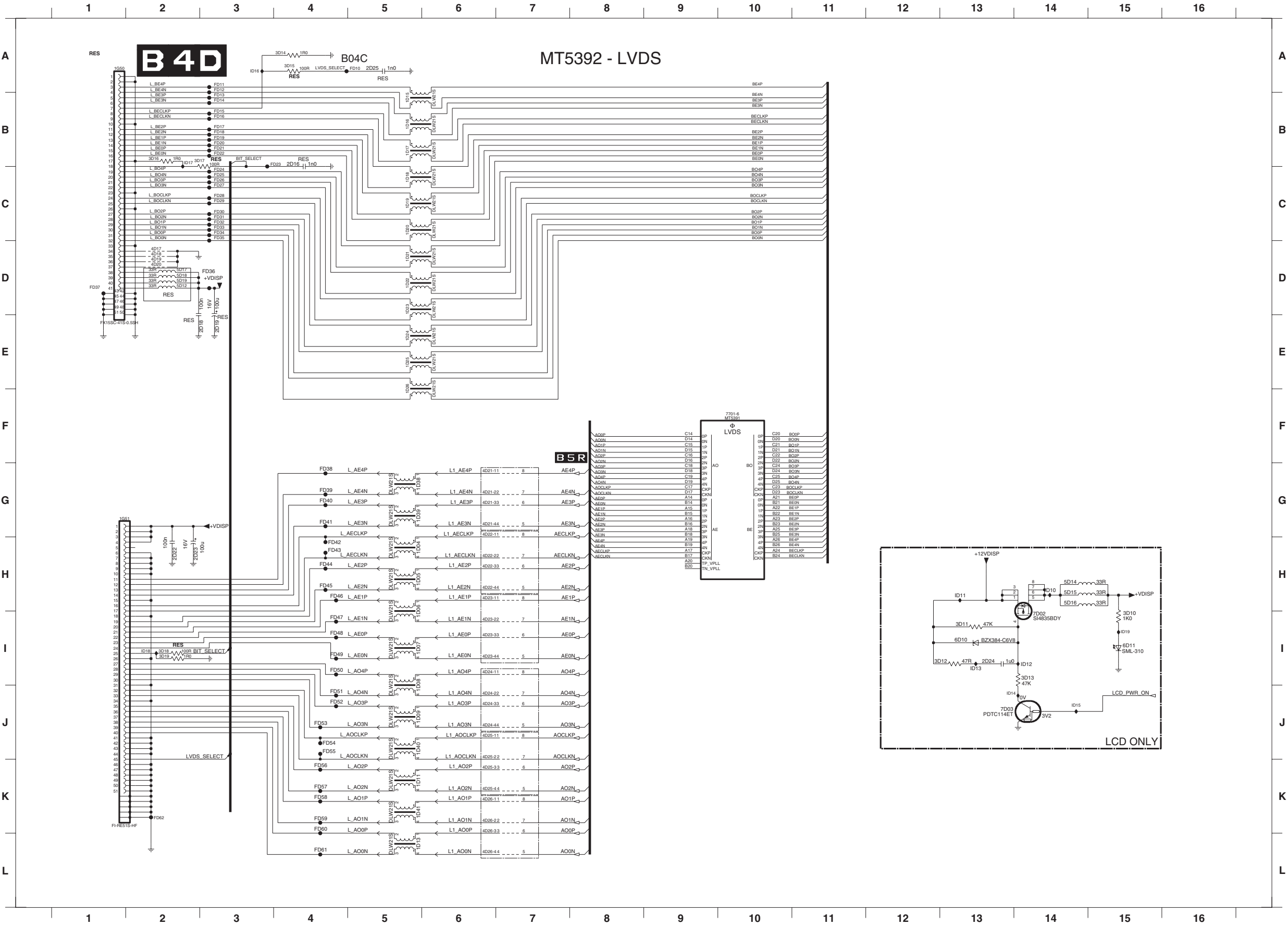
TRAP1	OPCTRLB(0)
Normal	0
PDWNC	1
Normal	0

TRAP2	PALE(0)	PCLE(0)
XTAL 27MHz	0	0
XTAL 60MHz	0	1
XTAL 48MHz	1	0
XTAL 54MHz	1	1

TRAP3	OPWM2(0)	OPWM1(0)
Serial Boot	0	0
OneNAND Boot	0	0
NAND Boot	1	0
Large NAND Boot (1G Bit)	1	1

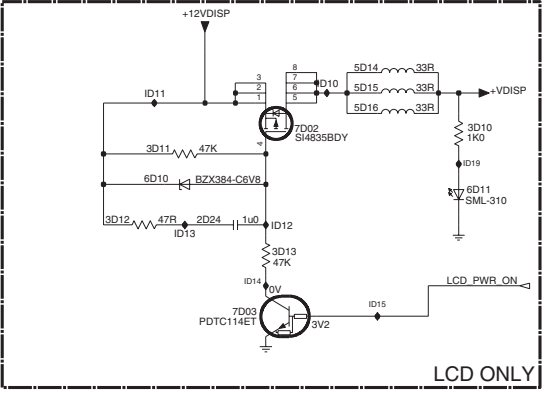
TRAP4	TP0	TP0
Normal	0	0
FT MODE	0	0
TEST MODE	1	0
OLY TEST MODE	1	1

SSB 7/12 Schematic Diagram (MT5392 - LVDS)

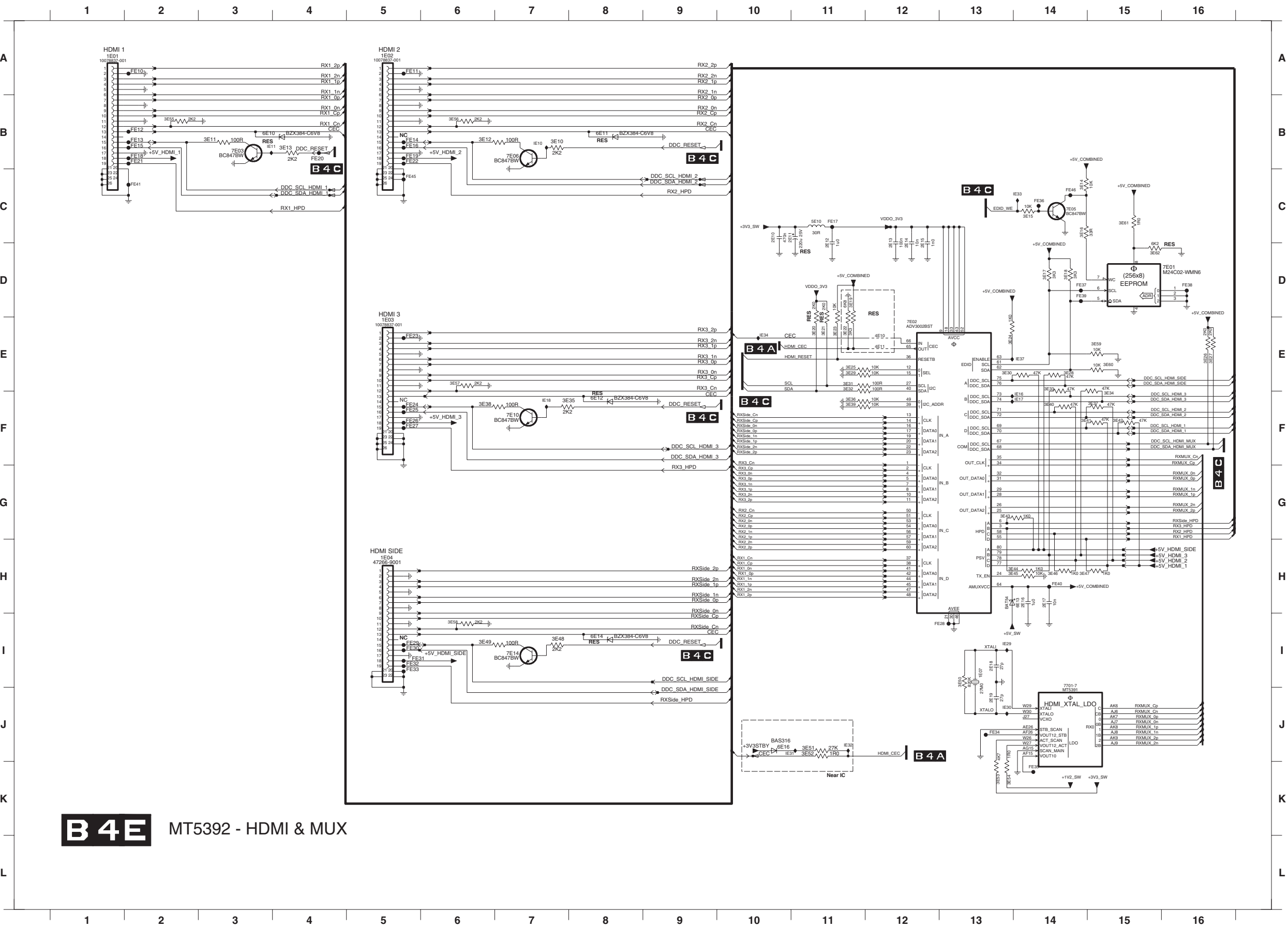


SSB 7/12 Schematic Diagram
Parts Location Guide

Ref No.	Position	Ref No.	Position
1D04	G5	5D15	H13
1D05	H5	5D16	H13
1D06	H5	5D17	D1
1D07	I5	5D18	D1
1D08	I5	5D19	D1
1D09	J5	6D10	I12
1D11	J5	6D11	I14
1D13	K5	7D01-6	F9
1D15	A4	7D02	H13
1D16	B4	7D03	J13
1D17	B4	FD10	A4
1D18	B4	FD11	A2
1D19	C4	FD12	A2
1D20	C4	FD13	A2
1D21	C4	FD14	A2
1D22	D4	FD15	A2
1D23	D4	FD16	B2
1D24	D4	FD17	B2
1D25	E4	FD18	B2
1D26	E4	FD19	B2
1D38	F5	FD20	B2
1D39	G5	FD21	B2
1D40	J5	FD22	B2
1D41	K5	FD23	B3
1G50	A1	FD24	B2
1G51	G1	FD25	B2
2D16	B3	FD26	B2
2D18	D2	FD27	B2
2D19	D2	FD28	C2
2D22	G1	FD29	C2
2D23	G2	FD30	C2
2D24	I12	FD31	C2
2D25	A4	FD32	C2
3D10	H14	FD33	C2
3D11	H12	FD34	C2
3D12	I12	FD35	C2
3D13	I13	FD36	D2
3D14	A3	FD37	D1
3D15	A3	FD38	F3
3D16	B1	FD39	G3
3D17	B2	FD40	G3
3D18	I1	FD41	G3
3D19	I1	FD42	G3
4D17	C1	FD43	G3
4D18	C1	FD44	H3
4D19	C1	FD45	H3
4D20	D1	FD46	H3
4D21-1	F6	FD47	H3
4D21-2	G6	FD48	H3
4D21-3	G6	FD49	I3
4D21-4	G6	FD50	I3
4D22-1	G6	FD51	I3
4D22-2	G6	FD52	I3
4D22-3	H6	FD53	J3
4D22-4	H6	FD54	J3
4D23-1	H6	FD55	J3
4D23-2	H6	FD56	J3
4D23-3	I6	FD57	K3
4D23-4	I6	FD58	K3
4D24-1	I6	FD59	K3
4D24-2	I6	FD60	K3
4D24-3	I6	FD61	K3
4D24-4	J6	FD62	K1
4D25-1	J6	ID10	H13
4D25-2	J6	ID11	H12
4D25-3	J6	ID12	I13
4D25-4	K6	ID13	I12
4D26-1	K6	ID14	I13
4D26-2	K6	ID15	I13
4D26-3	K6	ID16	A2
4D26-4	K6	ID17	B1
5D12	D1	ID18	I1
5D14	H13	ID19	H14



SSB 8/12 Schematic Diagram (MT5392 - HDMI & MUX)

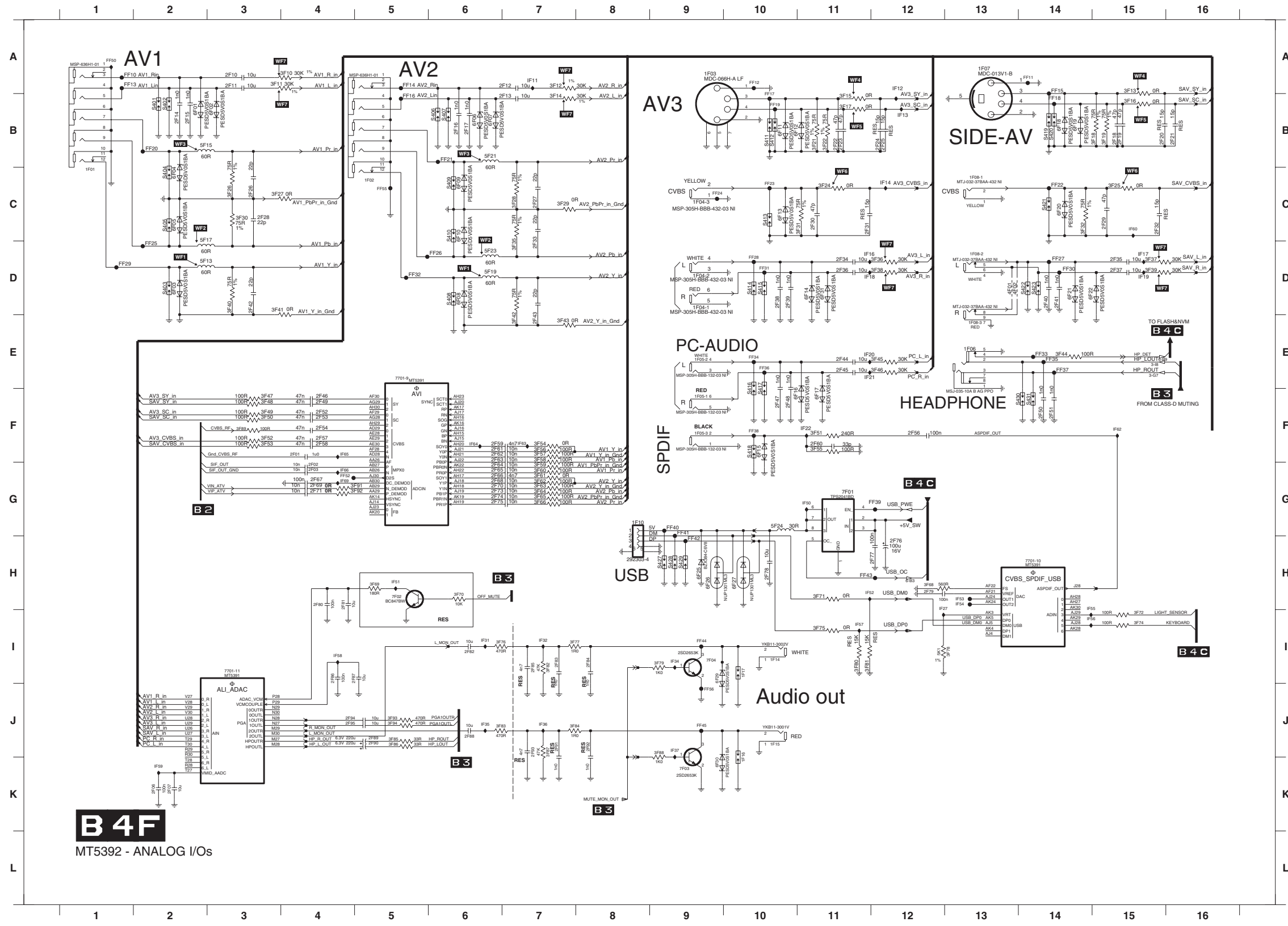


SSB 8/12 Schematic Diagram
Parts Location Guide

Ref No.	Position	Ref No.	Position
1E01	A1	3E61	C15
1E02	A5	3E62	C15
1E03	D5	4E10	D12
1E04	G5	4E11	E12
1E07	I13	5E10	C11
2E10	C10	6E10	B3
2E11	C10	6E11	B8
2E12	C11	6E12	E8
2E13	C12	6E13	H13
2E14	C12	6E14	H8
2E15	C12	6E16	J10
2E16	H14	7701-7	I14
2E17	H14	7E01	D15
2E18	I13	7E02	D12
2E19	I13	7E03	B3
3E10	B7	7E05	C14
3E11	B3	7E06	B7
3E12	B6	7E10	F7
3E13	B4	7E14	I7
3E14	B14	FE10	A2
3E15	C14	FE11	A5
3E16	C14	FE12	B2
3E17	D14	FE13	B2
3E18	D14	FE14	B5
3E19	D11	FE15	B2
3E20	D11	FE16	B5
3E21	D11	FE17	C11
3E22	D11	FE18	B2
3E23	D11	FE19	B5
3E24	E13	FE20	B4
3E25	E11	FE21	B2
3E26	E16	FE22	B5
3E27	E16	FE23	D5
3E28	E14	FE24	E5
3E29	E11	FE25	E5
3E30	E13	FE26	F5
3E31	E11	FE27	F5
3E32	E11	FE28	H12
3E33	E14	FE29	I5
3E34	E15	FE30	I5
3E35	E7	FE31	I5
3E36	E11	FE32	I5
3E37	E14	FE33	I5
3E38	E6	FE34	J13
3E39	E11	FE35	J14
3E40	E14	FE36	C14
3E41	F14	FE37	D14
3E42	F15	FE38	D16
3E43	G13	FE39	D14
3E44	H13	FE40	H14
3E45	H13	FE41	B2
3E46	H14	FE45	B5
3E47	H14	FE46	C14
3E48	I7	IE10	B7
3E49	I6	IE11	B3
3E50	I13	IE16	E13
3E51	J11	IE17	E13
3E52	J11	IE18	E7
3E53	J13	IE29	I13
3E54	J13	IE30	I13
3E55	B2	IE31	J10
3E56	B6	IE32	J11
3E57	E6	IE33	C13
3E58	H6	IE34	D10
3E59	E15	IE37	E13
3E60	E15		

B4E MT5392 - HDMI & MUX

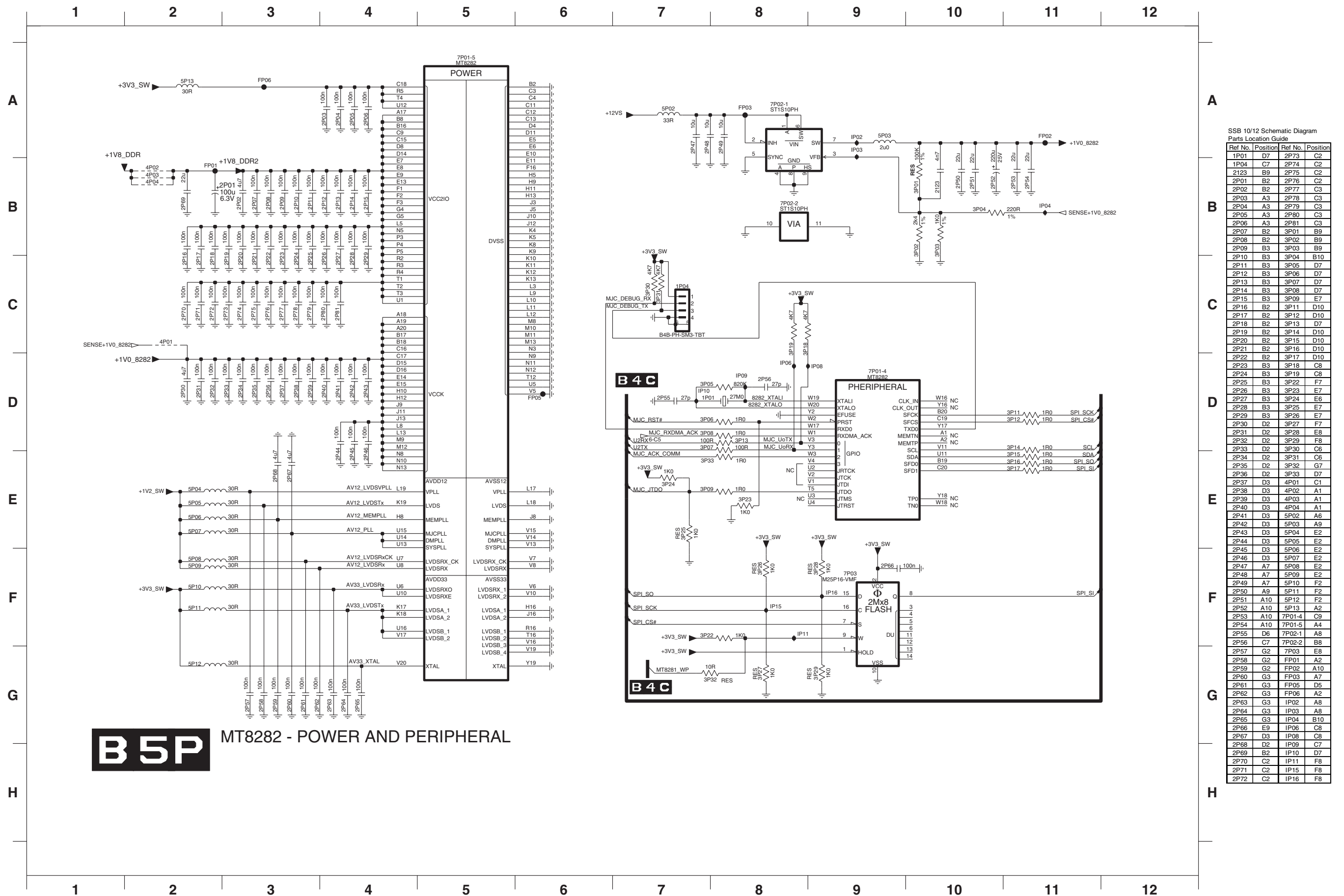
SSB 9/12 Schematic Diagram (MT5392 - ANALOG I/Os)



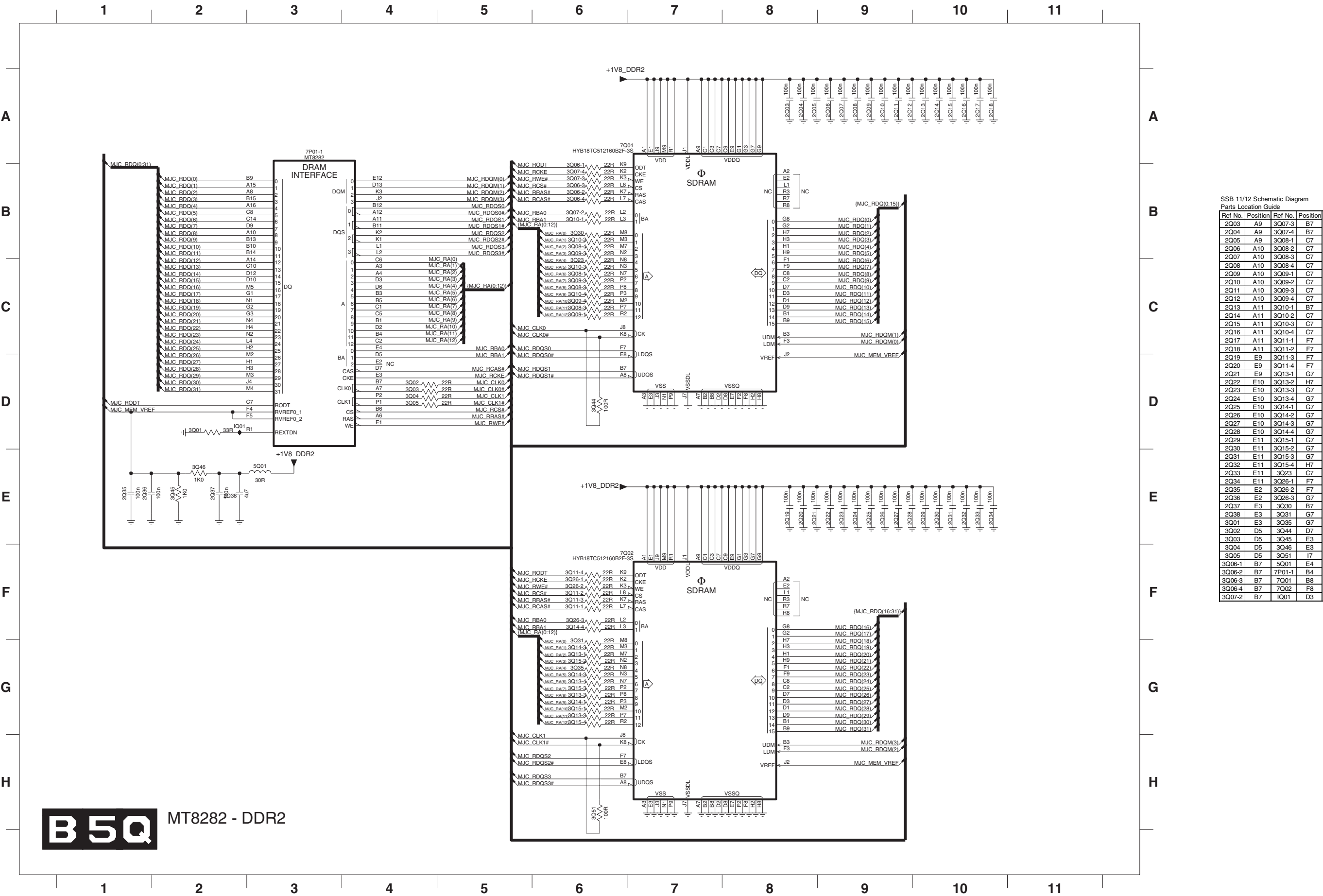
SSB 9/12 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
1F01	B1	2F71	F4	3F76	I6	FF32	D5
1F02	B5	2F73	G6	3F77	I7	FF33	E14
1F03	A9	2F74	G6	3F78	I12	FF34	E10
1F04-1	D9	2F75	G6	3F79	I9	FF35	E14
1F04-2	D9	2F76	G12	3F80	I11	FF36	E10
1F04-3	C9	2F77	G12	3F81	I11	FF37	E14
1F05-4	E9	2F78	H10	3F82	I7	FF38	F10
1F05-2	E9	2F79	H12	3F83	J6	FF39	G12
1F05-3	F9	2F80	H4	3F84	J7	FF40	G9
1F06	E13	2F81	H4	3F85	J5	FF41	G9
1F07	A13	2F82	I6	3F86	J5	FF42	G9
1F08-1	B13	2F83	I7	3F87	J7	FF43	H11
1F08-2	C13	2F84	I8	3F88	J9	FF44	I9
1F08-3	D13	2F85	I7	3F89	F3	FF45	J9
1F10	G8	2F86	I4	3F91	F4	FF50	A1
1F14	I10	2F87	I4	3F92	G4	FF52	F4
1F15	J10	2F88	J6	3F93	J5	FF55	B5
1F16	J10	2F89	J5	3F94	J5	FF56	I9
1F17	I10	2F90	J5	4F01	D13	IF11	A7
2F01	F4	2F91	J7	4F02	D13	IF12	A12
2F02	F4	2F92	J8	5F13	B2	IF13	A12
2F03	F4	2F93	J7	5F15	C2	IF14	B12
2F06	K2	2F94	J4	5F17	C2	IF16	C11
2F07	K2	2F95	J4	5F19	D6	IF17	C15
2F10	A3	3F10	A3	5F21	B6	IF18	D11
2F11	A3	3F11	A3	5F23	C6	IF19	D15
2F12	A7	3F12	A7	5F24	G10	IF20	E11
2F13	A7	3F13	A15	6F01	A2	IF21	E11
2F14	A2	3F14	A7	6F02	A3	IF22	F11
2F15	A2	3F15	A11	6F03	D2	IF27	H12
2F16	B6	3F16	A15	6F04	B2	IF31	H6
2F17	B6	3F17	A11	6F05	C2	IF32	H7
2F18	B15	3F18	B15	6F06	A6	IF34	I9
2F19	B15	3F19	B15	6F07	A6	IF35	J6
2F20	B15	3F21	B11	6F08	D6	IF36	J7
2F21	B16	3F22	B11	6F09	B6	IF37	J9
2F22	B11	3F24	B11	6F10	C6	IF50	G11
2F23	B11	3F25	B15	6F11	B10	IF51	H5
2F24	B12	3F26	B3	6F12	B10	IF52	H11
2F25	B12	3F27	B3	6F13	C10	IF53	H13
2F26	B3	3F28	C7	6F14	D11	IF54	H13
2F27	C7	3F29	C7	6F15	F10	IF55	H14
2F28	C3	3F30	C3	6F16	E10	IF56	H14
2F29	C15	3F31	C11	6F17	E11	IF57	H11
2F30	C11	3F32	C14	6F18	B14	IF58	I2
2F31	C11	3F35	C7	6F19	B14	IF59	J4
2F32	C15	3F36	C12	6F20	C14	IF60	C15
2F33	C7	3F37	C15	6F21	D14	IF62	F15
2F34	C11	3F38	D12	6F22	D14	IF63	F7
2F35	C15	3F39	D15	6F25	H9	IF64	F6
2F36	D11	3F40	D3	6F26	H9	IF65	F4
2F37	D15	3F41	D3	6F27	H10	IF66	F4
2F38	D10	3F42	D7	6F29	I9	IF69	F4
2F39	D10	3F43	D7	6F30	J9	S401	A2
2F40	D14	3F44	E14	6F31	D11	S402	A2
2F41	D14	3F45	E12	7F01-10	G14	S403	D2
2F42	D3	3F46	E12	7F01-11	I3	S404	C2
2F43	D7	3F47	E3	7F01-9	E5	S405	C2
2F44	E11	3F48	E3	7F01	G11	S406	A6
2F45	E11	3F49	E3	7F02	H5	S407	A6
2F46	E4	3F50	F3	7F03	J9	S408	D6
2F47	E10	3F51	F11	7F04	I9	S409	B6
2F48	E10	3F52	F3	FF10	A1	S410	C6
2F49	E4	3F53	F3	FF11	A14	S411	B10
2F50	E14	3F54	F7	FF12	A10	S412	B10
2F51	E14	3F55	F11	FF13	A1	S413	C10
2F52	E4	3F56	F7	FF14	A5	S414	D10
2F53	F4	3F57	F7	FF15	A14	S415	D10
2F54	F4	3F58	F7	FF16	A5	S416	E10
2F56	F12	3F59	F7	FF17	A10	S417	E10
2F57	F4	3F60	F7	FF18	A14	S418	F10
2F58	F4	3F61	F7	FF19	A10	S419	B14
2F59	F6	3F62	F7	FF20	B2	S420	B14
2F60	F11	3F63	F7	FF21	B6	S421	C14
2F61	F6	3F64	G7	FF22	B14	S422	D14
2F62	F6	3F65	G7	FF23	B10	S423	D14
2F63	F6	3F66	G7	FF24	B9	S427	G9
2F64	F6	3F68	H12	FF25	C2	S428	G9
2F65	F6	3F69	H5	FF26	C6	S429	G9
2F66	F6	3F70	H6	FF27	C14	S430	E13
2F67	F4	3F71	H11	FF28	C10	S431	E14
2F68	F6	3F72	H15	FF29	C1		
2F69	F4	3F74	H15	FF30	C14		
2F70	F6	3F75	H11	FF31	C10		

SSB 10/12 Schematic Diagram (MT8282 - POWER AND PERIPHERAL)



SSB 11/12 Schematic Diagram (MT8282 - DDR2)

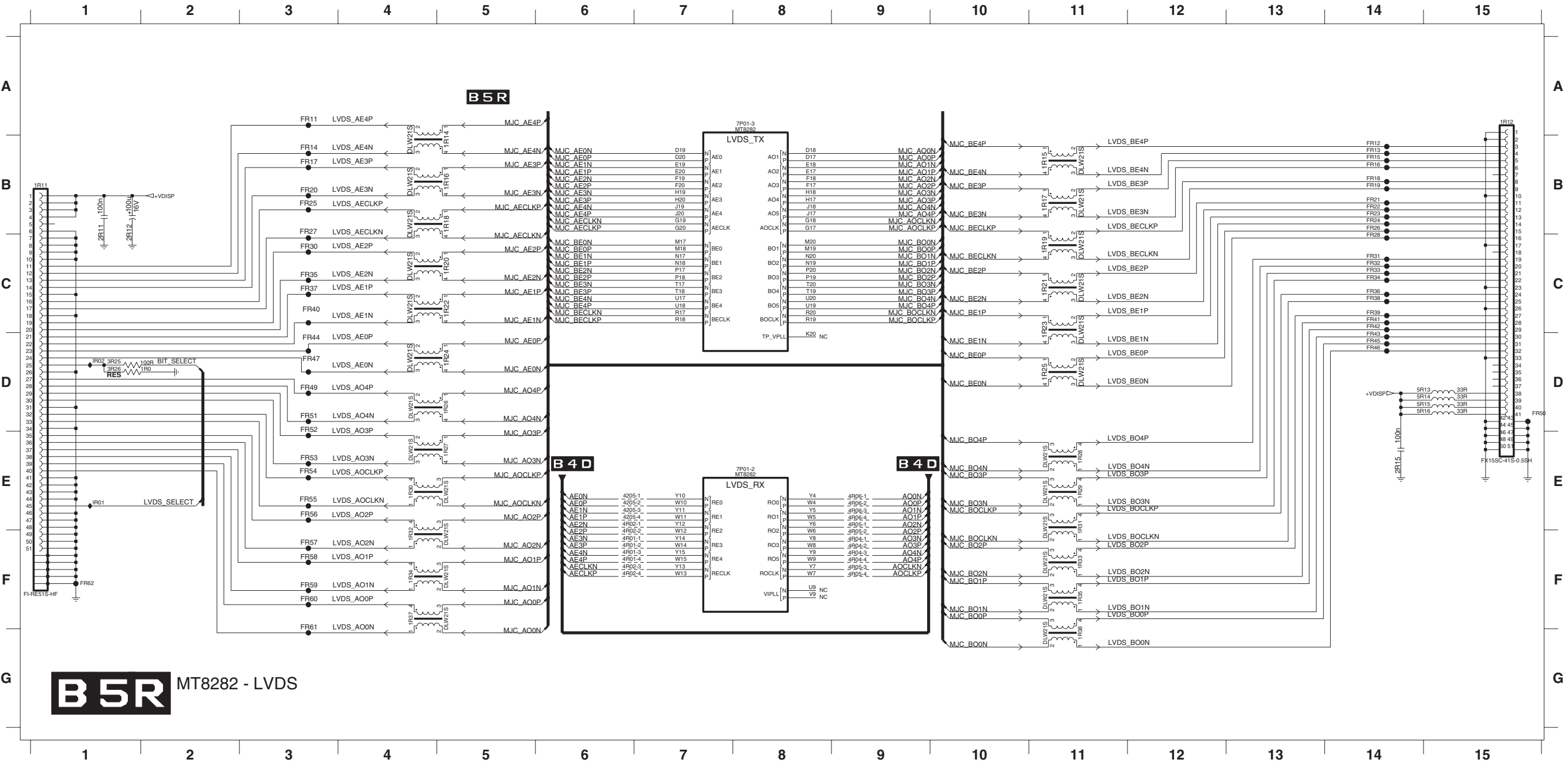


MT8282 - DDR2

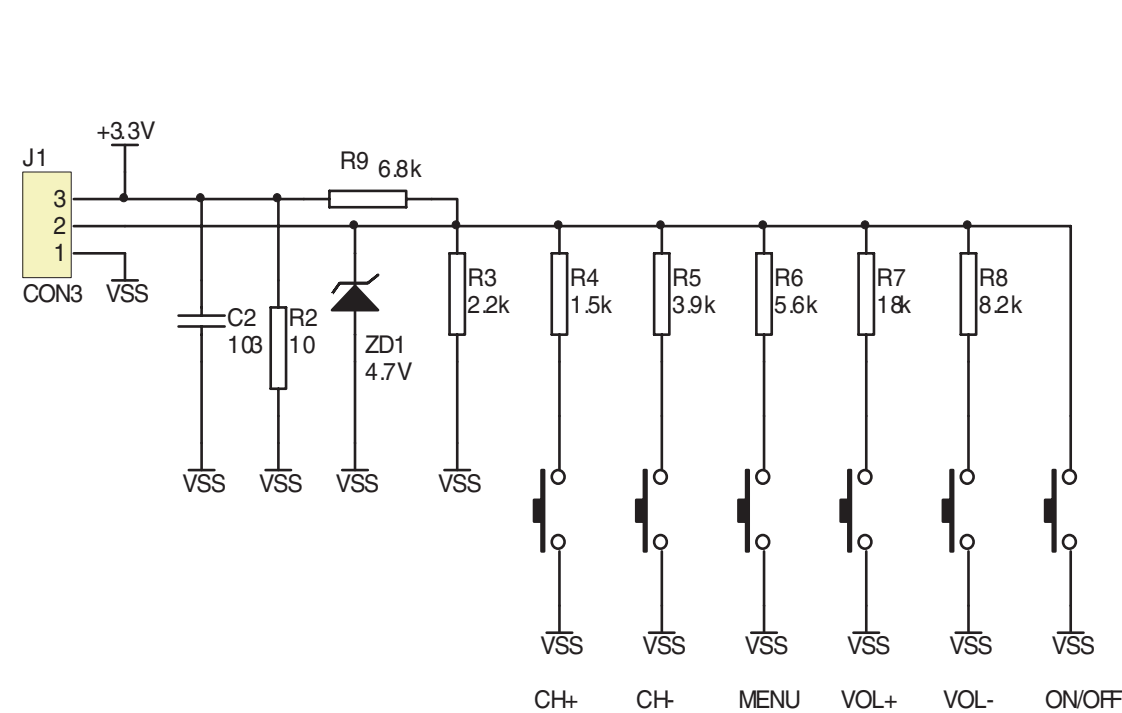
SSB 12/12 Schematic Diagram (MT8282 - LVDS)

SSB 12/12 Schematic Diagram Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
1R11	B1	1R24	D5	1R37	F5	4R01-2	E7	4R05-2	E9	7P01-3	A8	FR22	B15	FR35	C4	FR47	D4
1R12	A16	1R25	D11	1R38	F12	4R01-3	F7	4R05-3	F9	FR11	A4	FR23	B15	FR36	C15	FR49	D4
1R14	A5	1R26	D5	2R11	B2	4R01-4	F7	4R05-4	F9	FR12	A15	FR24	B15	FR37	C4	FR50	D16
1R15	B11	1R27	D5	2R12	B2	4R02-1	E7	4R06-1	E9	FR13	A15	FR25	B4	FR38	C15	FR51	D4
1R16	B5	1R28	E12	2R15	E15	4R02-2	E7	4R06-2	E9	FR14	A4	FR26	B15	FR39	C15	FR52	D4
1R17	B11	1R29	E12	3R25	D2	4R02-3	F7	4R06-3	E9	FR15	B15	FR27	B4	FR40	C4	FR53	E4
1R18	B5	1R30	E5	3R26	D2	4R02-4	F7	4R06-4	E9	FR16	B15	FR28	B15	FR41	C15	FR54	E4
1R19	B11	1R31	E12	4205-1	E7	4R04-1	E9	5R13	D15	FR17	B4	FR30	B4	FR42	C15	FR55	E4
1R20	C5	1R32	E5	4205-2	E7	4R04-2	E9	5R14	D15	FR18	B15	FR31	C15	FR43	C15	FR56	E4
1R21	C11	1R33	F12	4205-3	E7	4R04-3	F9	5R15	D15	FR19	B15	FR32	C15	FR44	C4	FR57	E4
1R22	C5	1R34	F5	4205-4	E7	4R04-4	F9	5R16	D15	FR20	B4	FR33	C15	FR45	C15	FR58	F4
1R23	C11	1R35	F12	4R01-1	E7	4R05-1	E9	7P01-2	E8	FR21	B15	FR34	C15	FR46	C15	FR59	F4

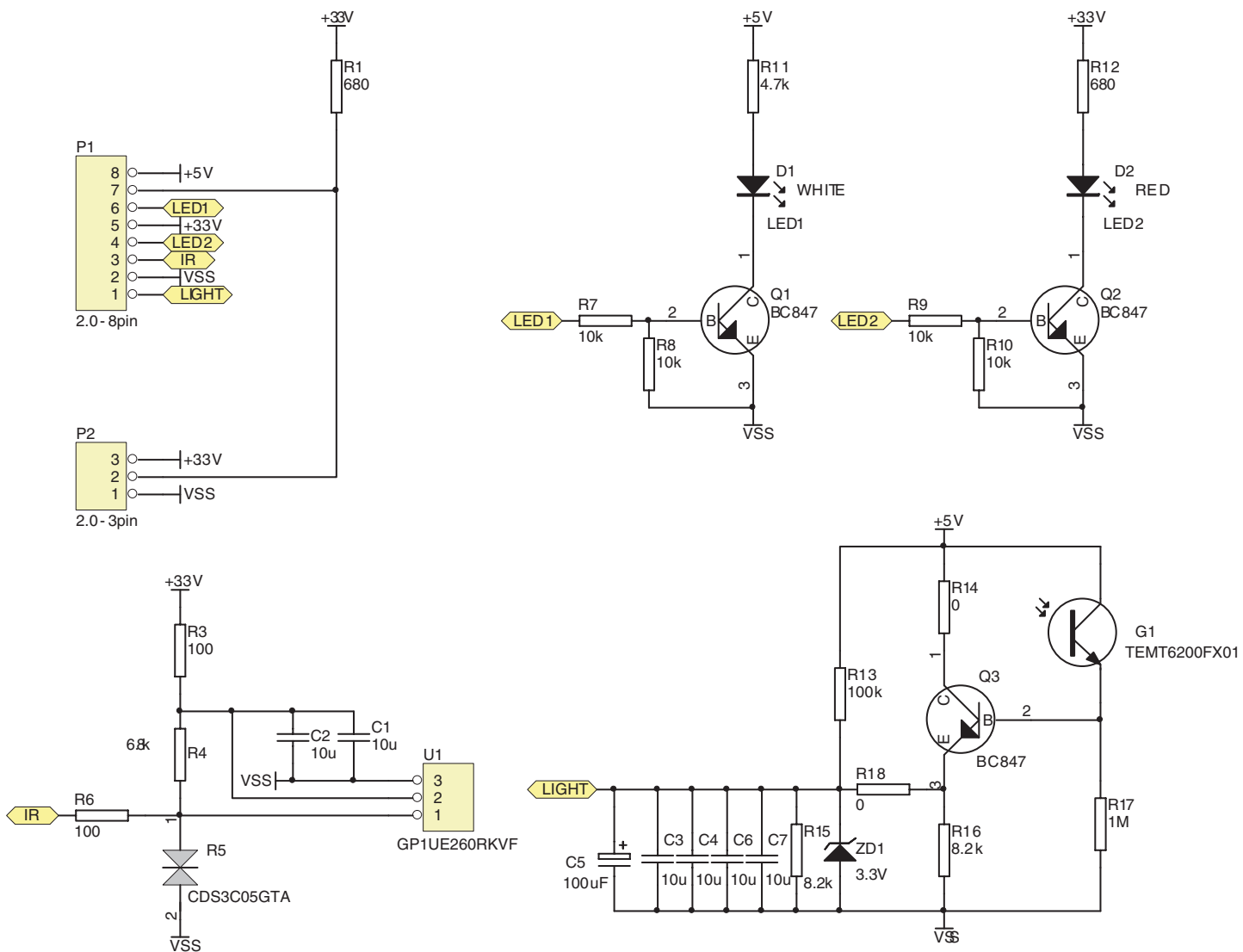


Module Control Knob Schematic Diagram



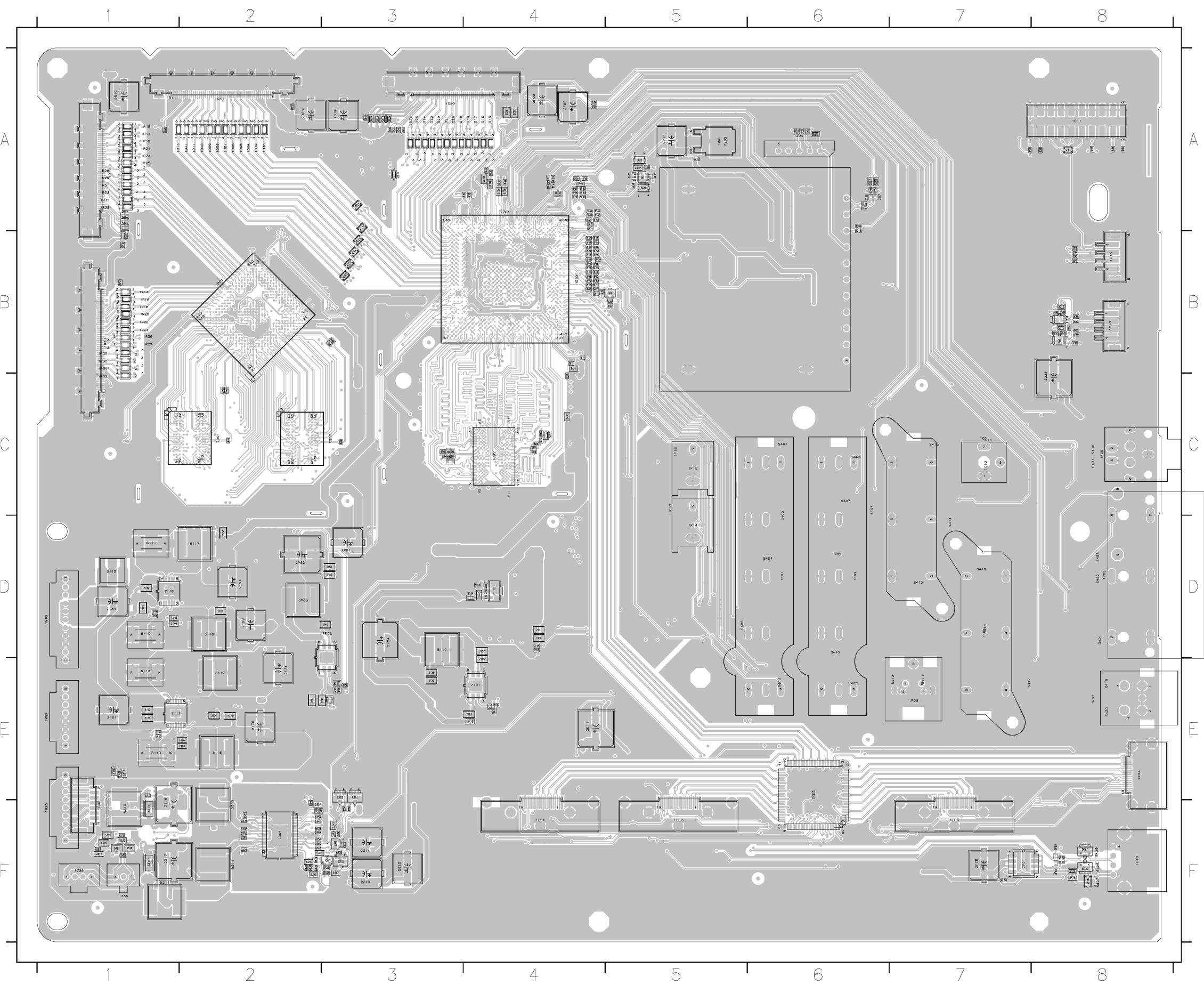
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Module IR Schematic Diagram



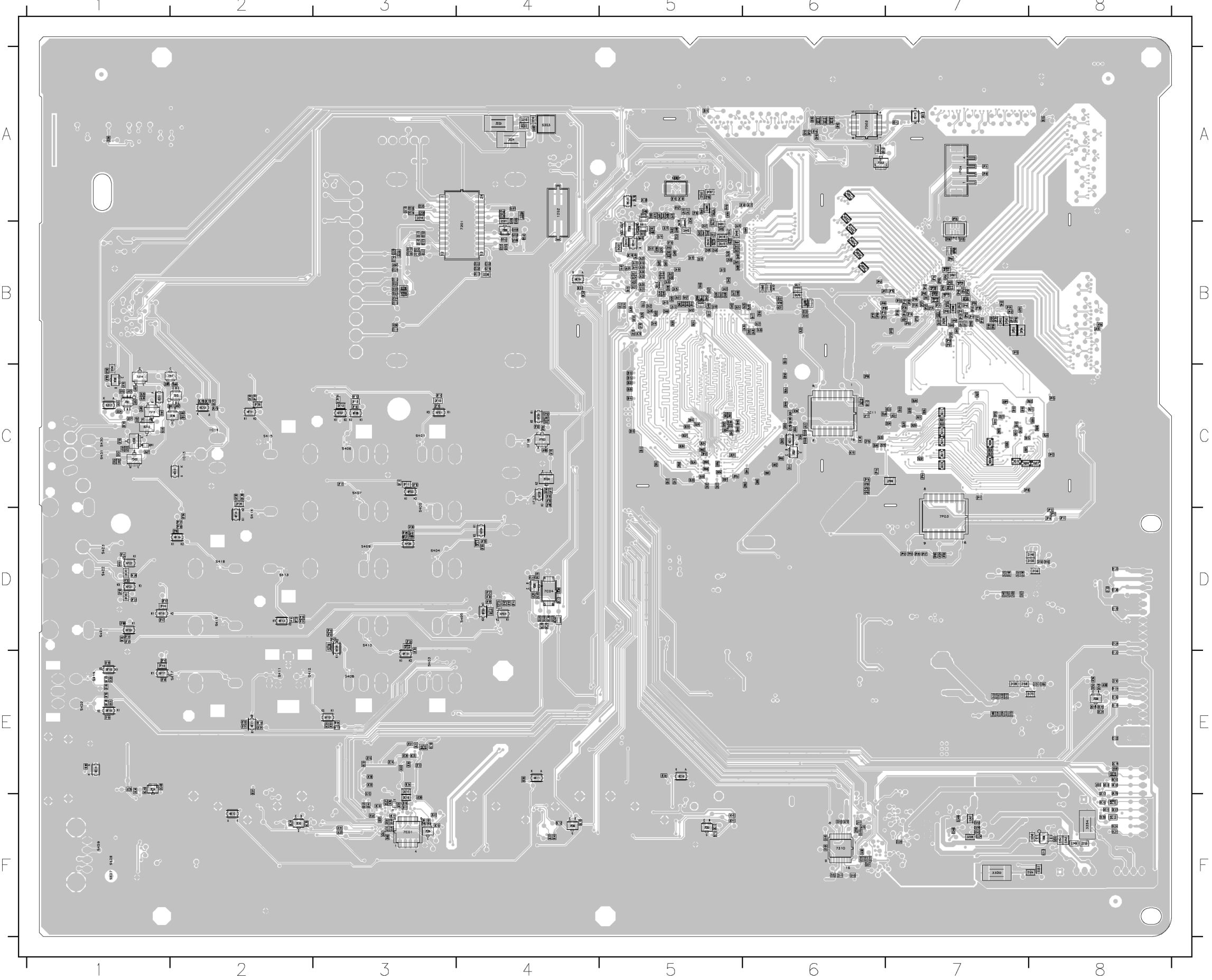
PL9.3SCIR

SSB CBA Top View



SSB Top View Parts Location Guide							
Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position
1188	A4	2154	D2	2P48	E3	3F91	A4
1190	A1	2158	D2	2P49	D3	3F92	A4
1191	D1	2159	D2	2P50	D3	3F93	A4
1192	F1	2160	D2	2P51	D3	3F94	A4
1194	F4	2161	E1	2P52	D2	3P01	E3
1195	F8	2162	E1	2R11	B1	3P02	E3
1198	A8	2163	E1	2R12	A1	3P03	E3
1203	B6	2165	E1	2R15	B1	3P04	E3
1204	A6	2169	E2	3115	D4	3Q02	C2
1735	F1	2170	E2	3116	E4	3Q03	C2
1736	F1	2171	E2	3117	E4	3Q04	B3
1C01	C7	2174	E2	3118	E4	3Q05	B3
1C02	F1	2176	E2	3120	D1	3Q44	C2
1C11	A8	2215	A6	3130	D1	3Q51	C3
1C15	B8	2217	A5	3132	E1	4201	A6
1C16	B8	2236	A6	3136	E2	4202	A6
1D04	A2	2237	A6	3209	A6	4203	A6
1D05	A2	2238	A6	3226	A6	4204	A6
1D06	A2	2239	A6	3227	A6	4D17	A3
1D07	A2	2241	A5	3311	F1	4D18	A3
1D08	A2	2310	F3	3312	F1	4D19	A3
1D09	A2	2312	E1	3335	F2	4D20	A3
1D11	A2	2314	F3	3338	F2	4D21	A3
1D13	A1	2316	F1	3339	F2	4D22	A3
1D15	A4	2317	F1	3340	F2	4D23	B3
1D16	A4	2320	F3	3342	F2	4D24	B3
1D17	A4	2322	F3	3343	F3	4D25	B3
1D18	A4	2326	C8	3344	F3	4D26	B3
1D19	A3	2328	F2	3345	F2	5112	D3
1D20	A3	2329	F2	3346	F3	5113	E4
1D21	A3	2330	F1	3348	F2	5114	D4
1D22	A3	2331	F1	3349	F3	5115	D1
1D23	A3	2332	F2	3350	F2	5116	D2
1D24	A3	2335	F2	3352	F3	5117	D2
1D25	A3	2336	F2	3356	F3	5118	E2
1D26	A3	2337	F2	3357	F3	5119	E2
1D38	A2	2339	F2	3A10	B4	5202	A6
1D39	A2	2341	F3	3A11	B4	5207	A6
1D40	A2	2342	F1	3A12	B4	5208	A6
1D41	A2	2343	F1	3A18	B4	5310	F1
1E01	F4	2344	F2	3A34	A5	5311	F1
1E02	F5	2345	F2	3A35	A5	5314	F2
1E03	F7	2347	F3	3A36	A5	5315	F2
1E04	E8	2350	F2	3A37	A5	5316	E1
1F01	D6	2351	F2	3B10	C3	5317	E1
1F02	D6	2354	F2	3B11	C3	5318	F1
1F03	E7	2355	F2	3B12	C3	5319	F1
1F04	D7	2357	F2	3B15	C4	5320	F1
1F05	D7	2359	E1	3B17	B4	5321	F1
1F06	C8	2360	F2	3B18	C4	5B11	C3
1F07	E8	2361	F2	3B20	C4	5B12	C4
1F08	D8	2362	F1	3B21	C4	5C16	B8
1F10	F8	2A01	C4	3C01	A8	5C17	B8
1F14	D5	2A1P	A5	3C17	B4	5D12	A3
1F15	C5	2A41	B4	3C42	B5	5D17	A3
1G50	A3	2B48	C3	3C55	B5	5D18	A3
1G51	A2	2B57	C3	3C62	A4	5D19	A3
1M20	F1	2B59	C4	3C63	A4	5F24	F8
1M95	D1	2B60	C4	3C67	A7	5P02	E3
1M99	E1	2C25	A4	3C77	A8	5P03	D2
1R11	B1	2C27	A4	3C81	A8	5R13	A1
1R12	A1	2C29	B8	3C82	A8	5R14	A1
1R14	B1	2C30	B8	3C83	A8	5R15	A1
1R15	A1	2D18	A3	3C84	B8	5R16	B1
1R16	B1	2D19	A3	3C85	B8	6110	D1
1R17	A1	2D22	A2	3C86	B8	6111	D1
1R18	B1	2D23	A2	3C87	B8	6112	E1
1R19	A1	2D25	A1	3C88	B8	6113	E1
1R20	B1	2E11	E4	3C89	B8	6313	F3
1R21	A1	2F01	A4	3C90	B8	6A10	A5
1R22	B1	2F02	A4	3C91	B8	6A11	A5
1R23	A1	2F03	A4	3C92	B8	6D11	A3
1R24	B1	2F46	A4	3C93	B8	6F25	F8
1R25	A1	2F49	A4	3C94	B8	6F26	F8
1R26	B1	2F52	A4	3C95	B8	6F27	F8
1R27	B1	2F53	A4	3F47	A4	7101	E4
1R28	A1	2F54	A4	3F48	A4	7115	D4
1R29	A1	2F57	A4	3F49	A4	7116	D1
1R30	B1	2F58	A4	3F50	A4	7117	E1
1R31	A1	2F59	B4	3F52	A4	7202	A5
1R32	B1	2F61	B4	3F53	A4	7304	F2
1R33	A1	2F62	B4	3F54	B4	7307	F3
1R34	B1	2F63	B4	3F56	B4	7308	F3
1R35	A1	2F64	B4	3F57	B4	7311	E3
1R37	C1	2F65	B4	3F58	B4	7312	E3
1R38	A1	2F66	B4	3F59	B4	7701	B4
1X08	E5	2F68	B4	3F60	B4	7A10	B5
2123	E3	2F69	A4	3F61	B4	7A11	A5
2124	D3	2F70	B4	3F62	B4	7B02	C4
2125	E4	2F71	A4	3F63	B4	7C09	B8
2126	E4	2F73	B4	3F64	B4	7C10	B8
2127	D4	2F74	B4	3F65	B4	7E02	E6
2128	E3	2F75	B4	3F66	B4	7F01	F7
2129	E3	2F76	F7	3F71	F8	7P01	B2
2130	D4	2F77	F7	3F72	A4	7P02	E3
2131	D4	2F78	F8	3F74	A4	7Q01	C2
2138	D1	2F82	A4	3F75	F8	7Q02	C2
2139	D1	2F88	A4	3F76	A4	S427	F8
2140	D4	2F89	A4	3F80	F8	S428	F8
2141	D4	2F90	A4	3F81	F8	S429	F8
2142	D1	2F94	A4	3F83	A4		
2144	D1	2F95	A4	3F85	A4		
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2150	D4	2P47	E2	3F89	A4		

SSB CBA Bottom View



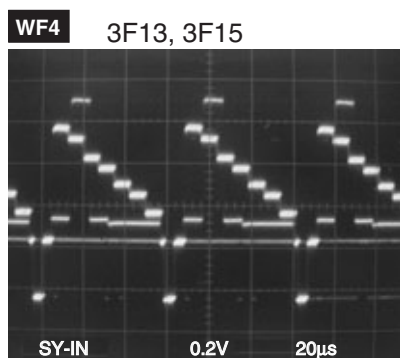
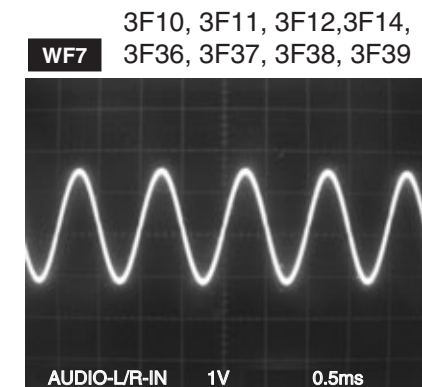
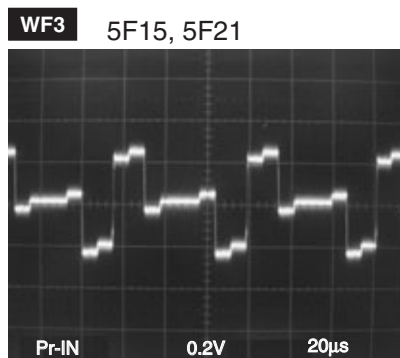
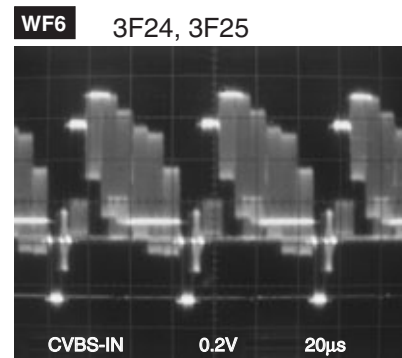
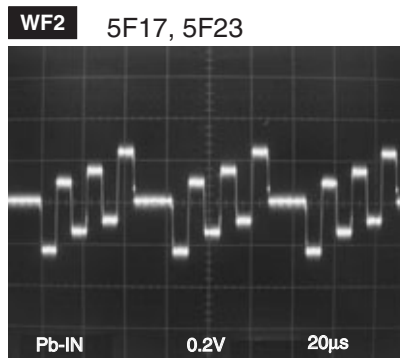
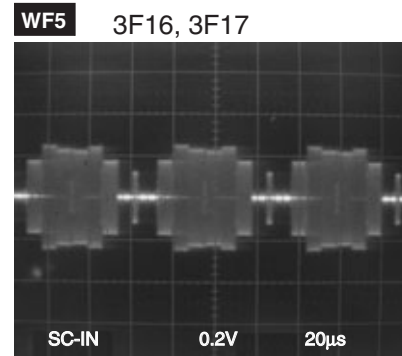
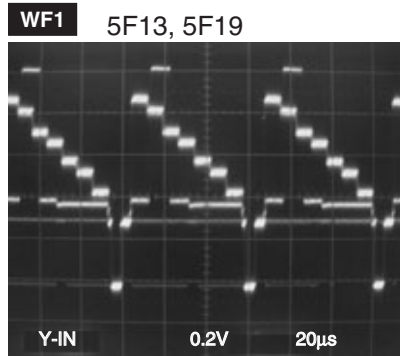
SSB CBA Bottom View Parts Location Guide

Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	Ref No.	Position	
U2	B3	2A1H	B5	2B29	C5	2F56	D2	2019	C6	3A29	B5	3E35	F2	3Q11	C7	6F14	D2	F7	FD49	A7	FR22	A8	I328	C1	IE16	F3				
U15	B4	2A1J	B5	2B30	C5	2F60	D2	2020	C7	3A30	B5	3E36	F3	3Q10	C7	6F15	D2	F6	FD50	A7	FR23	A8	I329	C1	IE17	F3				
1202	A4	2A1K	B5	2B31	C5	2F67	A5	2021	C7	3A31	B5	3E37	F4	3Q13	C7	6F16	D1	F6	FD51	A7	FR24	A8	I330	C1	IE18	F2				
1C13	C2	2A1L	B5	2B32	C5	2F79	B5	2022	C7	3A32	B5	3E38	F2	3Q14	C7	6F17	E1	F6	FD52	A7	FR25	B8	I331	C1	IE29	A5				
1C14	C2	2A1M	B5	2B33	C5	2F80	C1	2023	C7	3A33	B5	3E39	E3	3Q15	C7	6F18	E1	F8	FD53	A7	FR26	A8	I333	F7	IE30	A5				
1E07	A5	2A1O	A5	2B34	C5	2F81	C1	2024	C7	3B13	C5	3E40	F4	3Q23	C7	6F19	E1	F6	FD54	A7	FR27	B8	I334	F7	IE31	B4				
1F16	C4	2A20	B5	2B35	C5	2F83	C4	2025	C6	3B14	B5	3E41	F5	3Q26	C7	6F20	D1	E8	FD55	A7	FR28	A8	I335	C1	IE32	B4				
1F17	C4	2A21	B5	2B36	C5	2F84	C4	2026	C7	3B16	B5	3E42	F5	3Q30	C7	6F21	D1	F7	FD56	A7	FR30	B8	I336	F7	IE33	F3				
1P01	B7	2A22	B5	2B37	C5	2F85	C4	2027	C7	3B19	B5	3E43	F3	3Q31	C7	6F22	D1	F6	FD57	A7	FR31	A8	I338	F7	IE34	B4				
1P04	A7	2A23	B5	2B38	C5	2F86	A5	2028	C7	3B22	C5	3E44	F3	3Q35	C7	6F29	C4	B6	FD58	A7	FR32	A8	I339	F7	IE37	E3				
2119	E8	2A24	B5	2B39	C5	2F87	A5	2029	C7	3B23	C5	3E45	E3	3Q45	B7	6F30	C4	B5	FD59	A7	FR33	A8	I340	F7	IF11	C3				
2120	E8	2A25	B6	2B40	C5	2F91	C4	2030	C6	3B24	C5	3E46	F3	3Q46	B7	6F31	C2	B5	FD60	A7	FR34	A8	I341	F7	IF12	E2				
2121	E8	2A26	B6	2B41	C6	2F92	C4	2031	C7	3C10	B5	3E47	F3	3R25	B8	7200	B4	A4	FD61	A8	FR35	B8	I342	C1	IF13	E3				
2122	E8	2A27	B6	2B42	B5	2F93	C4	2032	C7	3C11	B5	3E48	E1	3R26	B8	7201	B4	A5	FD62	A8	FR36	A8	I343	F7	IF14	D2				
2132	D8	2A28	B5	2B43	B5	2F02	B7	2033	C7	3C12	B5	3E49	E1	4205	B6	7301	C1	B5	FE10	F5	FR37	B8	I344	E7	IF16	C2				
2133	E8	2A29	B5	2B44	C5	2F03	B7	2034	C7	3C13	A6	3E50	A5	4207	B3	7303	C1	B5	FE11	E1	FR38	A8	I345	F7	IF17	D1				
2134	D8	2A30	B6	2B45	C5	2F04	B7	2035	C8	3C14	B5	3E51	B4	4208	A4	7306	C1	B5	FE12	E4	FR39	A8	I346	F6	IF18	C2				
2135	D8	2A31	B5	2B46	C5	2P05	B7	2036	C6	3C15	C6	3E52	B4	4209	B3	7309	F8	C6	FE13	F5	FR40	B8	I347	F6	IF19	D1				
2136	D8	2A32	B6	2B49	C5	2P06	B7	2037	B7	3C16	B5	3E53	B5	4310	C1	7310	F6	C6	FE14	F4	FR41	A8	I348	F7	IF20	D1				
2137	D8	2A33	B5	2B50	C5	2P07	B7	2038	B7	3C18	A6	3E54	A5	4E10	F3	7313	C1	C6	FE15	F5	FR42	A8	I349	F7	IF21	E1				
2143	D8	2A34	B5	2B51	C5	2P08	B7	3114	E8	3C19	C6	3E55	E5	4E11	F3	7314	C1	C6	FE16	F4	FR43	A8	I350	F6	IF22	D2				
2145	D7	2A35	B5	2B52	C5	2P09	B7	3119	D8	3C20	C6	3E56	E4	4F01	D1	7315	C2	C6	FE17	E3	FR44	B8	I351	F6	IF27	B5				
2146	D7	2A36	B5	2B53	C5	2P10	B7	3121	D7	3C21	C6	3E57	E2	4F02	D1	7316	C2	F8	FE18	F5	FR45	A8	I352	F7	IF31	A5				
2148	D8	2A37	B5	2B54	C5	2P11	B7	3122	D7	3C22	B6	3E58	E1	4P01	B7	7317	C2	F8	FE19	F4	FR46	A8	I353	F7	IF32	D4				
2155	D8	2A38	B5	2B55	C5	2P12	B7	3126	E7	3C23	E8	3E59	F3	4P02	C6	7C04	D4	F8	FE20	F3	FR47	B8	I354	F6	IF34	C4				
2156	D7	2A39	B5	2B56	C5	2P13	B7	3127	D7	3C24	F8	3E60	F3	4P03	C6	7C05	D4	F8	FE21	F5	FR49	B8	I355	F6	IF35	A5				
2157	D7	2A40	B5	2B58	B5	2P14	B7	3128	D7	3C25	B6	3E61	F3	4P04	C6	7C06	E8	F8	FE22	F3	FR50	A8	I356	F7	IF36	C4				
2164	E8	2A42	B5	2B61	B5	2P15	B7	3129	D8	3C26	D4	3E62	F3	4R01	A6	7C07	C6	E8	FE23	F2	FR51	B8	I357	F7	IF37	C4				
2166	E7	2A43	B5	2B62	C6	2P16	B7	3131	E8	3C27	F8	3F10	C3	4R02	A6	7C08	B5	D4	FE24	F2	FR52	B8	I358	F8	IF50	F1				
2167	E7	2A44	A5	2B63	C6	2P17	B7	3133	E7	3C29	E8	3F11	C3	4R04	B6	7C11	C6	D4	FE25	F2	FR53	B8	I359	F7	IF51	C1				
2168	E7	2A45	B5	2B64	C6	2P18	B7	3134	E7	3C30	D4	3F12	C3	4R05	B6	7D02	A6	E8	FE26	E2	FR54	B8	I360	F6	IF52	F1				
2172	E8	2A46	B5	2B65	C6	2P19	B7	3135	E7	3C31	D4	3F13	E1	4R06	B6	7D03	A6	E8	FE27	F2	FR55	B8	I361	F7	IF53	B5				
2173	E7	2A47	B5	2B66	C6	2P20	B7	3137	E7	3C32	D4	3F14	C3	5201	A4	7E01	F3	D4	FE28	F2	FR56	B8	I362	F8	IF54	B5				
2175	E7	2A48	B5	2C10	C6	2P21	B7	3138	E7	3C33	D4	3F15	E2	5203	A4	7E03	F5	E8	FE29	F3	FR57	B8	I363	F7	IF55	A5				
2200	B4	2A49	B5	2C13	D4	2P22	B7	3200	B4	3C34	D4	3F16	E1	5204	B3	7E05	F3	D4	FE30	E1	FR58	B8	I364	F8	IF56	A5				
2201	B4	2A50	B5	2C14	E8	2P23	B7	3203	B4	3C35	E8	3F17	E3	5205	B3	7E06	F4	D4	FE31	E1	FR59	C8	I365	F7	IF57	F1				
2202	B4	2A51	B5	2C15	E8	2P24	B7	3204	B3	3C36	E8	3F18	E1	5206	B3	7E10	F2	D4	FE32	F3	FR60	B8	I366	C2	IF58	A5				
2203	B4	2A52	B5	2C16	E8	2P25	B7	3205	B3	3C39	D4	3F19	E1	5209	A4	7E14	E1	F3	FE33	E1	FR61	C8	I367	C2	IF59	A5				
2204	B4	2A53	B5	2C17	F8	2P26	B7	3206	B4	3C40	D4	3F21	E2	5A10	B6	7F02	C1	F3	FE34	B5	FR62	C8	I368	C2	IF60	D1				
2205	A3	2A54	B5	2C18	F8	2P27	B7	3207	B3	3C44	E8	3F22	E3	5A11	B6	7F03	C4	A5	FE35	B5	I110	E6	I369	C1	IF62	D2				
2208	A4	2A55	B5	2C19	F8	2P28	B7	3208	B3	3C45	E8	3F24	D2	5A12	B6	7F04	C4	A5	FE36	F3	I112	D5	I370	C1	IF63	B5				
2209	A3	2A56	B5	2C20	F8	2P29	B7	3210	B3	3C46	E8	3F25	D1	5A13	B5	7P03	D7	A1	FE37	F3	I114	D8	I371	C1	IF64	B5				
2211	B3	2A57	B5	2C21	F8	2P30	B7	3211	B3	3C49	B6	3F26	D4	5A14	A5	CXXX	B5	C6	FE38	F3	I115	D8	IA10	B5	IF65	A5				
2212	B3	2A58	B5	2C22	D4	2P31	B7	3212	B3	3C50	B6	3F27	D4	5A15	A5	F110	E8	A1	FE39	F3	I116	D8	IA11	A5	IF66	A5				
2213	B3	2A59	B5	2C23	D4	2P32	B7	3213	A3	3C51	B6	3F28	D3	5A16	B5	F111	E8	A5	FE40	E3	I117	D8	IA13	A5	IF69	A5				
2214	B3	2A60	B5	2C24	E8	2P33	B7	3216	B4	3C52	B5	3F29	D3	5A17	B5	F112	E8	A1	FE41	E5	I118	D8	IA14	A5	IP02	D7				
2216	A4	2A61	B5	2C26	C6	2P34	B7	3217	B4	3C54	E8	3F30	D4	5A18	B5	F113	E8	A1	FE45	F4	I119	D7	IA15	B5	IP03	D6				
2218	A3	2A62	B5	2C28	A5	2P35	B7	3220	B3	3C56	E8	3F31	D2	5A19	B5	F114	E8	A1	FE46	F3	I120	D7	IA16	B5	IP04	E6				
2219	A4	2A63	B5	2C31	B5	2P36	B7	3221	B3	3C57	B6	3F32	D1	5A20	B5	F115	E8	C2	FE10	C3	I121	D7	IA17	B5	IP06	B7				
2220	B3	2A64	B5	2C32	B5	2P37	B7	3222	B4	3C58	B6	3F35	E3	5B13	B5	F116	D5	C2	FF11	E1	I122	D8	IA18	B5	IP08	A7				
2221	B3	2A65	B5	2C33	F3	2P38	B7	3223	A4	3C59	C6	3F36	C2	5C10	C6	F117	E8	B1	FF12	E2	I123	D8	IA20	B5	IP09	A7				
2222	B3	2A66	B5	2D16	A6	2P39	B7	3224	A4	3C60	E8	3F37	D1	5C12	D4	F118	D8	C2	FF13	C3	I124	D8	IA21	F6	IP10	A7				
2223	B3	2A67	B5	2D24	A6	2P40	B7	3310	F6	3C61	C6	3F38	C2	5C13	F8	F119	D8	B1	FF14	C3	I125	E8	IA22	A4	IP11	D7				
2224	A3	2A68	B6	2E10	E3	2P41	B7	3313	F6	3C64	C6	3F39	D1	5C14	F8	F120	D8	B1	FF15	E1	I126	E8	IA23	A4	IP15	D8				
2225	A3	2A69	B5	2E12	E3	2P42	B7	3314	F6	3C65	C6	3F40	D4	5C15	E8	F121	D8	B1	FF16	C3	I127	E8	IA27	B5	IP16	D7				
2226	A4	2A70	B6	2E13	E3	2P43	B7	3315	F6	3C66	C6	3F41	D4	5D14	A6	F122	D8	B1	FF17	E2	I128	E8	IB12	B5	IQ01	B7				

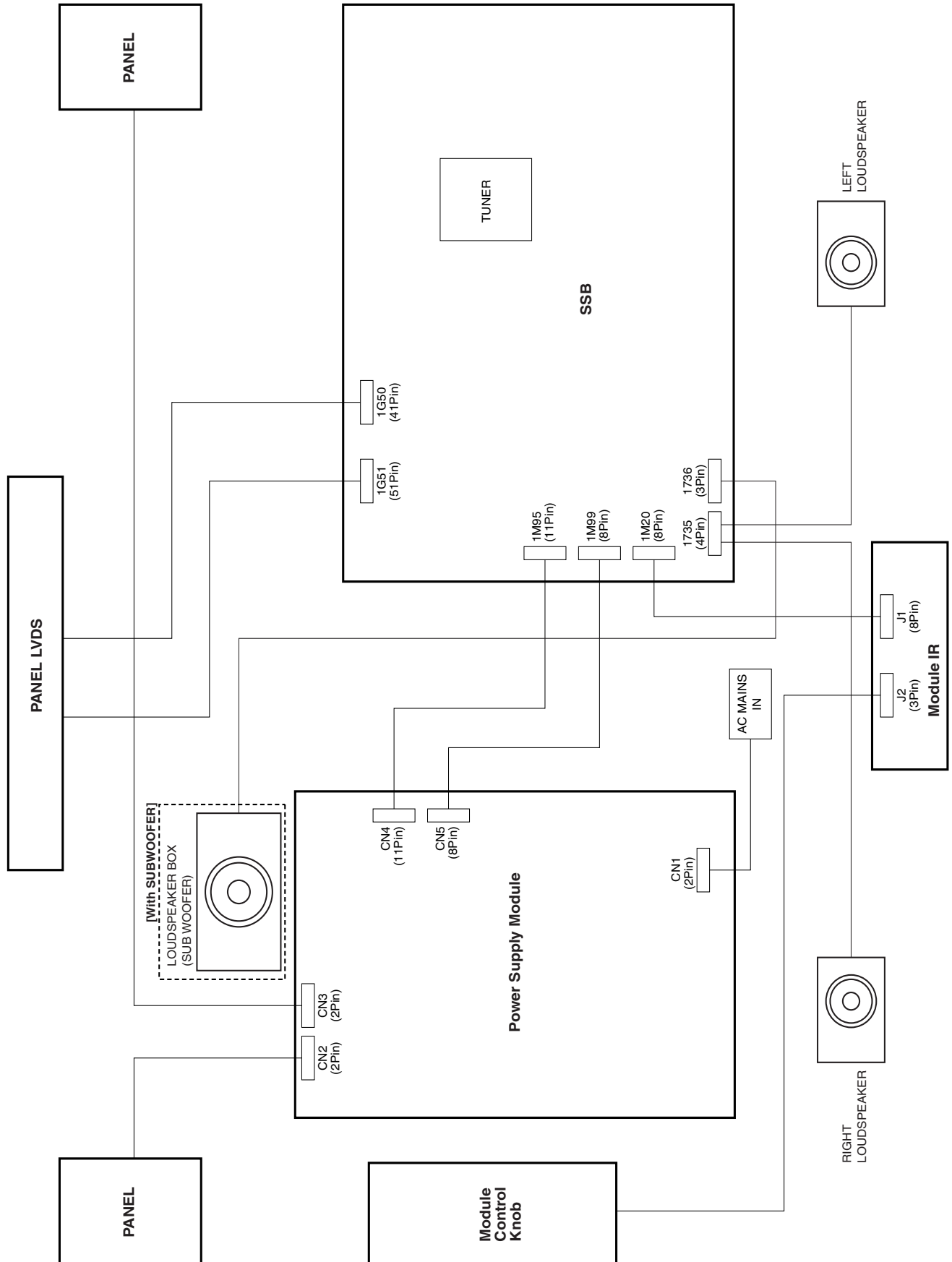
WAVEFORMS

WF1 ~ WF7 = Waveforms to be observed at
Waveform check points.
(Shown in Schematic Diagram.)

Input: NTSC Color Bar Signal (with 1kHz Audio Signal)

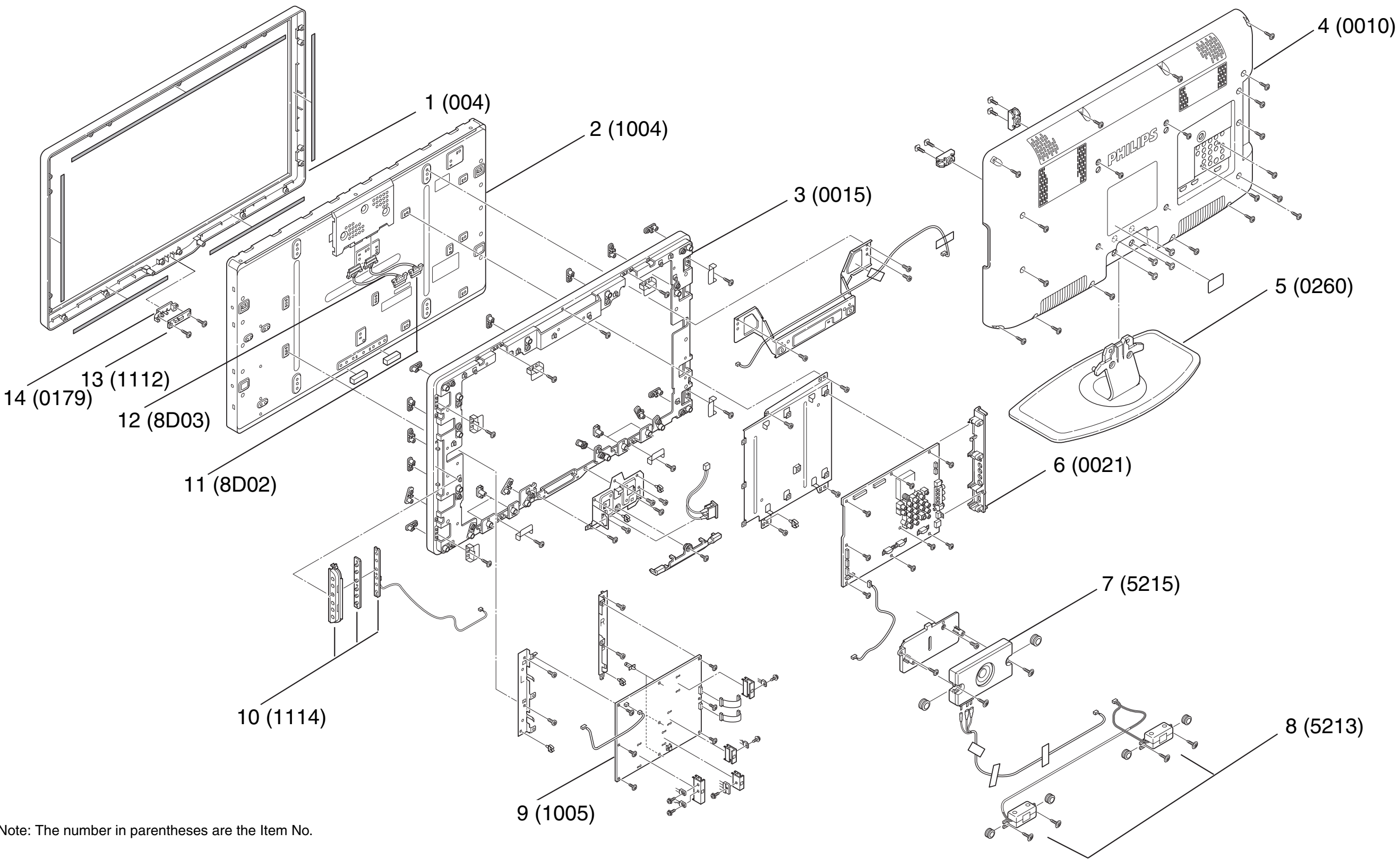


WIRING DIAGRAM



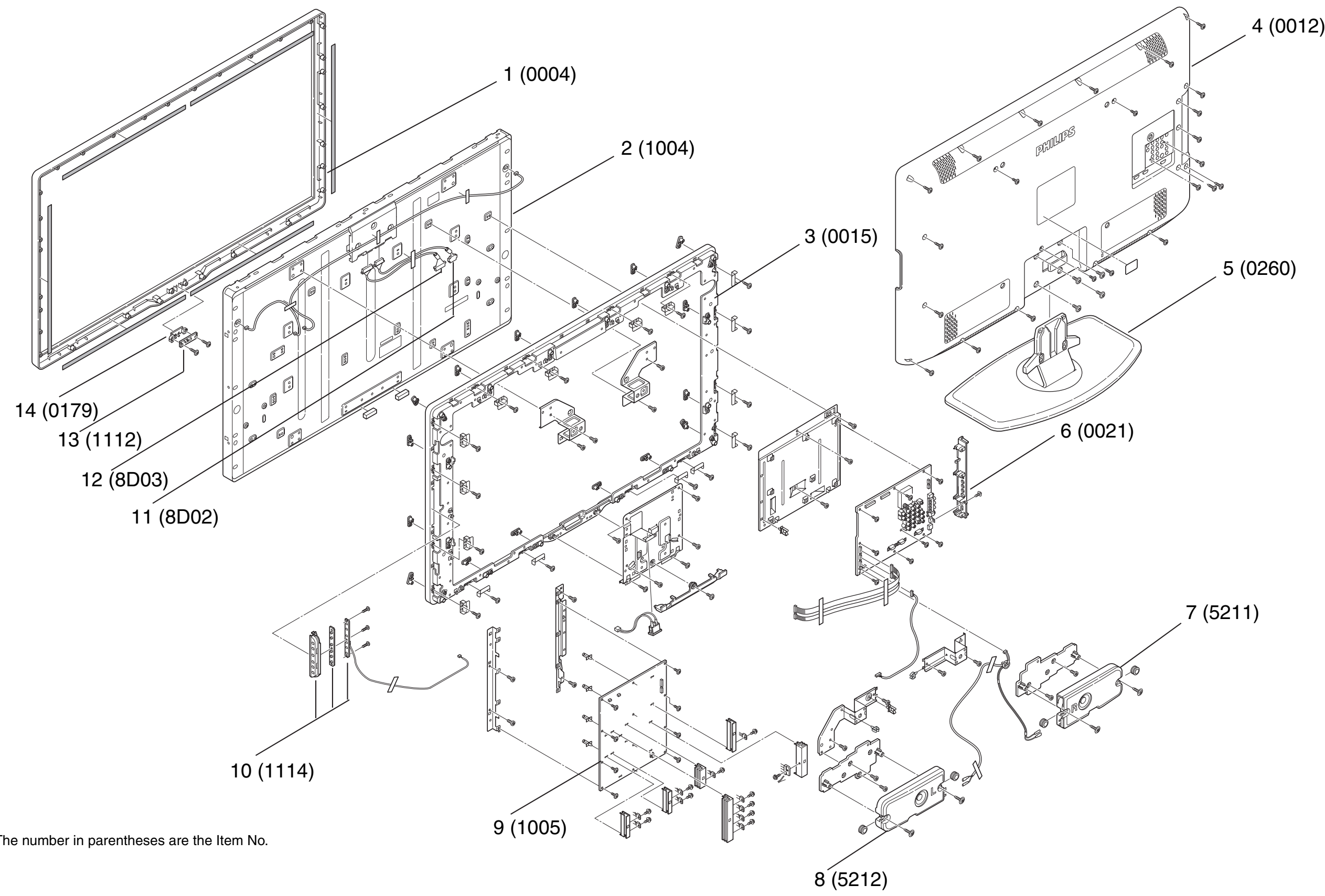
EXPLODED VIEWS

[32PFL6704D/F7]



Note: The number in parentheses are the Item No.


[42PFL6704D/F7, 47PFL6704D/F7]



Note: The number in parentheses are the Item No.

PARTS LIST

[32PFL6704D/F7 (Serial No. : YA1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

Item	Philips 12NC	Description
Mechanical Parts		
0004	313918767031	AS FCAB 32 FRAME NAFTA 6000
0010	313926882801	FO AS BC FRAME 32 NAFTA
0015	313918766571	AS FLARE 32 FRAME NA
0021	313912476991	SIDE IO BRACKET FRAME-NAFTA
0179	313912476691	LIGHT GUIDE (FRAME)
0259	313913870951	SCREW BAG STAND FRAME
0260	313918766002	AS STAND FRAME 32
5213	242226400704	LSP ASSY 12R 7W 3058J08J23-A
5215	242226400702	LSP AS 12R+12R 10W BOX8118J-A
Packing Parts		
0101	313912541321	ADDENDUM FRAME
0124	312212422789	BAG
0124	313501300261	PE-BAG
0125	313912540861	DFU NAFTA 2K9 120Hz
0127	313912540563	FCC Addendum
0136	313912567391	ME8 Child Safety Guide
0687	312123349281	White Label w/o Ribbon
Accessory		
1082	908210090001	R03-B500/01S - Battery
1085	242254902349	REMOTE CONTR YKF255-002 B
8195	242207000106	MAINSCORD UL7A 1M5 DET 2P B
Miscellaneous		
8101	313917103401	CBLE HL 11P/100/11P HL 24ST IN
8102	313917103411	CBLE HL 8P/100/8P HL 24ST INS
8311	313917103261	CBLE HL 3P/680/3FT INS
8401	313917102921	CBLE PA 2P3/220/2P3 24ST INS
8402	313917103091	CBLE PA 2P3/680/2P3 24ST INS
8408	310431108071	CBLE VH 2P3/140/INLET INS UL
8C02	313917103471	CBLE HL 8P/280/8P9 HL 28ST Ins
8D02	313917103771	CBLE FX15 41P/180/41P FI-R
8D03	313917103761	CBLE FI-R 51P/180/51P FI-R
LCD Panel		
1004	932226687682	TFT-LCD LC320WUF-SBN1 (LGPH) B
PCB Assembly		
1005	272217100691	POW SUPP MOD IPB 32 PLHL-T827A
1112	272217100775	MOD IR-LED-RD-WH YKJ2032-003 B
1114	272217100736	MOD CTRL KNOB SF2032-004 B
1150	313926865382	AS SSB NA2k9M + LR out
PCB Assembly		
1150	313926865382	AS SSB NA2k9M + LR out
1203	242254290148	TUNV+U PLL F B
1204	242254944518	FIL SAW 45MHZ75 OFWM1971ML

Item	Philips 12NC	Description
1735	242202520678	CON V 4P M 2.00 1735446 B
1736	242202520677	CON V 3P M 2.00 1735446 B
1C01	242202605905	SOC PHONE V 1P F 3.5 ST MSJ Y
1D04	242254945325	FIL CM SM50V 100MHZ 67R R
1D05	242254945325	FIL CM SM50V 100MHZ 67R R
1D06	242254945325	FIL CM SM50V 100MHZ 67R R
1D07	242254945325	FIL CM SM50V 100MHZ 67R R
1D08	242254945325	FIL CM SM50V 100MHZ 67R R
1D09	242254945325	FIL CM SM50V 100MHZ 67R R
1D11	242254945325	FIL CM SM50V 100MHZ 67R R
1D13	242254945325	FIL CM SM50V 100MHZ 67R R
1D15	242254945325	FIL CM SM50V 100MHZ 67R R
1D16	242254945325	FIL CM SM50V 100MHZ 67R R
1D17	242254945325	FIL CM SM50V 100MHZ 67R R
1D18	242254945325	FIL CM SM50V 100MHZ 67R R
1D19	242254945325	FIL CM SM50V 100MHZ 67R R
1D20	242254945325	FIL CM SM50V 100MHZ 67R R
1D21	242254945325	FIL CM SM50V 100MHZ 67R R
1D22	242254945325	FIL CM SM50V 100MHZ 67R R
1D23	242254945325	FIL CM SM50V 100MHZ 67R R
1D24	242254945325	FIL CM SM50V 100MHZ 67R R
1D25	242254945325	FIL CM SM50V 100MHZ 67R R
1D26	242254945325	FIL CM SM50V 100MHZ 67R R
1D38	242254945325	FIL CM SM50V 100MHZ 67R R
1D39	242254945325	FIL CM SM50V 100MHZ 67R R
1D40	242254945325	FIL CM SM50V 100MHZ 67R R
1D41	242254945325	FIL CM SM50V 100MHZ 67R R
1E01	242203300698	SOC HDMI V 19P F SM DC1 R
1E02	242203300698	SOC HDMI V 19P F SM DC1 R
1E03	242203300698	SOC HDMI V 19P F SM DC1 R
1E04	242203300715	SOC HDMI H 19P F SM47266 R
1E07	242254301676	RES XTL SM 27MHZ 18P NX5032 R
1F01	242202606009	SOC CINCH V 5P F 1L5Y
1F02	242202606009	SOC CINCH V 5P F 1L5Y
1F03	242202605702	SOC MDIN V 4P F MDC-066H-A Y
1F04	242202606017	SOC CINCH V 3P F 1L3 YEWHRD Y
1F05	242202606087	SOC CINCH V 3P F 1L3 BKWHRD Y
1F06	242202605703	SOC PHONE H 1P F 3.5 ST MSJ Y
1F07	242202605959	SOC MDIN H 4P FMDC-013V1 Y
1F08	242202605952	SOC CINCH H 3P F 1L3 YEWHRD Y
1F10	242203300486	SOC USB H 4P F 2/2.5 292303 B
1F14	242202606027	SOC CINCH V 1P F 1L1 WH Y
1F15	242202606088	SOC CINCH V 1P F 1L1 RD Y
1G50	242202520715	CON H 41P F 0.50 SMFX15S R
1G51	242202520117	CON H 51P F 0.5 SM FI-RE R
1M20	242202520684	CON V 9P M 2.00 1735446 B
1M95	242202520686	CON V 11P M 2.00 1735446 B
1M99	242202520683	CON V 8P M 2.00 1735446 B
2119	319803512230	CER2 0402 X7R 25V22N COL
2120	319803512230	CER2 0402 X7R 25V22N COL
2121	319803512230	CER2 0402 X7R 25V22N COL
2122	319803512230	CER2 0402 X7R 25V22N COL
2123	319803514720	CER2 0402 X7R 25V4N7 COL
2124	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2125	319802721090	CER2 0805 X5R 16V10U COL R
2126	319802721090	CER2 0805 X5R 16V10U COL R
2127	319802721090	CER2 0805 X5R 16V10U COL R
2128	319802702290	CER2 0805 X5R 6V322U COL R

Item	Philips 12NC	Description
2129	319802702290	CER2 0805 X5R 6V322U COL R
2130	319802702290	CER2 0805 X5R 6V322U COL R
2131	319802702290	CER2 0805 X5R 6V322U COL R
2132	319803521040	CER2 0402 X7R 16V 100N COL
2133	319803512230	CER2 0402 X7R 25V22N COL
2134	319803512230	CER2 0402 X7R 25V22N COL
2135	319803512230	CER2 0402 X7R 25V22N COL
2136	319803512230	CER2 0402 X7R 25V22N COL
2137	319803512230	CER2 0402 X7R 25V22N COL
2138	319803041010	ELCAP SM 16V100U PM20 COL R
2139	319802721090	CER2 0805 X5R 16V10U COL R
2140	319802771080	CER2 0603 X5R 25V1U COL R
2141	319803521040	CER2 0402 X7R 16V 100N COL
2142	319802721090	CER2 0805 X5R 16V10U COL R
2143	319803523330	CER2 0402 X7R 16V33N COL
2144	319803523330	CER2 0402 X7R 16V33N COL
2148	319801734710	CER2 0603 X7R 50V 470P COL
2149	319801734710	CER2 0603 X7R 50V 470P COL
2154	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2155	319802754780	CER2 0603 X5R 10V4U7 COL R
2158	319802711090	CER2 0805 X5R 10V10U COL R
2159	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2160	319802711090	CER2 0805 X5R 10V10U COL R
2162	319802721090	CER2 0805 X5R 16V10U COL R
2163	319802721090	CER2 0805 X5R 16V10U COL R
2164	319803523330	CER2 0402 X7R 16V33N COL
2165	319803523330	CER2 0402 X7R 16V33N COL
2168	319801734710	CER2 0603 X7R 50V 470P COL
2169	319801734710	CER2 0603 X7R 50V 470P COL
2170	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2171	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2172	319802754780	CER2 0603 X5R 10V4U7 COL R
2174	319802711090	CER2 0805 X5R 10V10U COL R
2176	319802711090	CER2 0805 X5R 10V10U COL R
2200	319803501520	CER2 0402 X7R 50V1N5 COL
2201	223878615654	CER2 0603 X7R 16V 220N PM10 R
2203	319803521030	CER2 0402 X7R 16V10N COL
2204	319803521040	CER2 0402 X7R 16V 100N COL
2205	319803501020	CER2 0402 X7R 50V1N COL
2208	319803501020	CER2 0402 X7R 50V1N COL
2209	319803521030	CER2 0402 X7R 16V10N COL
2212	319803402290	CER1 0402 NP0 50V22P COL
2213	319803402290	CER1 0402 NP0 50V22P COL
2214	319803521030	CER2 0402 X7R 16V10N COL
2215	319803521030	CER2 0402 X7R 16V10N COL
2216	319802771080	CER2 0603 X5R 25V1U COL R
2217	319803521040	CER2 0402 X7R 16V 100N COL
2218	202055200247	CER2 0603 X5R 25V 470N PM10 R
2219	319802741090	CER2 0603 X5R 6V310U COL R
2220	319803521040	CER2 0402 X7R 16V 100N COL
2223	319803521040	CER2 0402 X7R 16V 100N COL
2224	319803521030	CER2 0402 X7R 16V10N COL
2225	319803403910	CER1 0402 NP0 50V390P COL
2226	319803521030	CER2 0402 X7R 16V10N COL
2227	319803521030	CER2 0402 X7R 16V10N COL
2230	319803404790	CER1 0402 NP0 50V47P COL
2233	319803512230	CER2 0402 X7R 25V22N COL
2235	319803401010	CER1 0402 NP0 50V100P COL
2236	319803403390	CER1 0402 NP0 50V33P COL
2237	319803403390	CER1 0402 NP0 50V33P COL
2238	319803501020	CER2 0402 X7R 50V1N COL
2239	319803501020	CER2 0402 X7R 50V1N COL
2240	319803404790	CER1 0402 NP0 50V47P COL

Item	Philips 12NC	Description
2312	319803521040	CER2 0402 X7R 16V 100N COL
2313	319803521040	CER2 0402 X7R 16V 100N COL
2316	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2317	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2320	319803521030	CER2 0402 X7R 16V10N COL
2321	319803521030	CER2 0402 X7R 16V10N COL
2324	223878615654	CER2 0603 X7R 16V 220N PM10 R
2326	202001200028	ELCAP SM SEV 16V 470U PM20 R
2327	223878615654	CER2 0603 X7R 16V 220N PM10 R
2328	319803521040	CER2 0402 X7R 16V 100N COL
2329	319803521040	CER2 0402 X7R 16V 100N COL
2330	202055200247	CER2 0603 X5R 25V 470N PM10 R
2332	319802771080	CER2 0603 X5R 25V1U COL R
2334	319803501020	CER2 0402 X7R 50V1N COL
2335	319803502210	CER2 0402 X7R 50V 220P COL
2336	319802771080	CER2 0603 X5R 25V1U COL R
2337	319802771080	CER2 0603 X5R 25V1U COL R
2338	319803501020	CER2 0402 X7R 50V1N COL
2339	319803502210	CER2 0402 X7R 50V 220P COL
2340	319803501020	CER2 0402 X7R 50V1N COL
2341	319802771080	CER2 0603 X5R 25V1U COL R
2342	202055200247	CER2 0603 X5R 25V 470N PM10 R
2344	319803521040	CER2 0402 X7R 16V 100N COL
2346	319803501530	CER2 0402 X7R 50V15N COL
2347	319802771080	CER2 0603 X5R 25V1U COL R
2348	319803501530	CER2 0402 X7R 50V15N COL
2349	223878615654	CER2 0603 X7R 16V 220N PM10 R
2350	319803521040	CER2 0402 X7R 16V 100N COL
2351	319803521040	CER2 0402 X7R 16V 100N COL
2352	319803501020	CER2 0402 X7R 50V1N COL
2353	223878615654	CER2 0603 X7R 16V 220N PM10 R
2354	202055200247	CER2 0603 X5R 25V 470N PM10 R
2355	319803501020	CER2 0402 X7R 50V1N COL
2356	319803501020	CER2 0402 X7R 50V1N COL
2357	319803501020	CER2 0402 X7R 50V1N COL
2358	319802771080	CER2 0603 X5R 25V1U COL R
2360	319803521040	CER2 0402 X7R 16V 100N COL
2361	319803521040	CER2 0402 X7R 16V 100N COL
2362	319803512230	CER2 0402 X7R 25V22N COL
2363	319803521040	CER2 0402 X7R 16V 100N COL
2A01	319802754780	CER2 0603 X5R 10V4U7 COL R
2A02	319803521040	CER2 0402 X7R 16V 100N COL
2A03	319803521040	CER2 0402 X7R 16V 100N COL
2A10	319803521040	CER2 0402 X7R 16V 100N COL
2A11	319803521040	CER2 0402 X7R 16V 100N COL
2A12	319803521040	CER2 0402 X7R 16V 100N COL
2A13	319803521040	CER2 0402 X7R 16V 100N COL
2A14	319803521040	CER2 0402 X7R 16V 100N COL
2A15	319803521040	CER2 0402 X7R 16V 100N COL
2A16	319803521040	CER2 0402 X7R 16V 100N COL
2A17	319803521040	CER2 0402 X7R 16V 100N COL
2A18	319803521040	CER2 0402 X7R 16V 100N COL
2A19	319803521040	CER2 0402 X7R 16V 100N COL
2A1A	319802781080	CER2 0402 X5R 6V31U COL
2A1B	319803521040	CER2 0402 X7R 16V 100N COL
2A1C	319802781080	CER2 0402 X5R 6V31U COL
2A1D	319803521040	CER2 0402 X7R 16V 100N COL
2A1F	319802781080	CER2 0402 X5R 6V31U COL
2A1G	319803521040	CER2 0402 X7R 16V 100N COL
2A1H	319802754780	CER2 0603 X5R 10V4U7 COL R
2A1J	319803521040	CER2 0402 X7R 16V 100N COL
2A1K	319802771080	CER2 0603 X5R 25V1U COL R
2A1L	319803521040	CER2 0402 X7R 16V 100N COL

Item	Philips 12NC	Description
2B54	319803521040	CER2 0402 X7R 16V 100N COL
2B55	319803521040	CER2 0402 X7R 16V 100N COL
2B56	319803521040	CER2 0402 X7R 16V 100N COL
2B57	319803521040	CER2 0402 X7R 16V 100N COL
2B58	319803521040	CER2 0402 X7R 16V 100N COL
2B59	319803521040	CER2 0402 X7R 16V 100N COL
2B60	319803521040	CER2 0402 X7R 16V 100N COL
2B61	319803521040	CER2 0402 X7R 16V 100N COL
2B62	319803521040	CER2 0402 X7R 16V 100N COL
2B63	319803521040	CER2 0402 X7R 16V 100N COL
2B64	319803521040	CER2 0402 X7R 16V 100N COL
2B65	319803521040	CER2 0402 X7R 16V 100N COL
2B66	319803521040	CER2 0402 X7R 16V 100N COL
2C10	319803521040	CER2 0402 X7R 16V 100N COL
2C13	319803521040	CER2 0402 X7R 16V 100N COL
2C15	319803501020	CER2 0402 X7R 50V1N COL
2C16	319803501020	CER2 0402 X7R 50V1N COL
2C17	319803501020	CER2 0402 X7R 50V1N COL
2C18	319803501020	CER2 0402 X7R 50V1N COL
2C19	319803501020	CER2 0402 X7R 50V1N COL
2C20	319803501020	CER2 0402 X7R 50V1N COL
2C21	319803501020	CER2 0402 X7R 50V1N COL
2C22	319803401090	CER1 0402 NP0 50V10P COL
2C23	319803401090	CER1 0402 NP0 50V10P COL
2C24	319802781080	CER2 0402 X5R 6V31U COL
2C28	319803521040	CER2 0402 X7R 16V 100N COL
2C31	319802754780	CER2 0603 X5R 10V4U7 COL R
2C32	319802754780	CER2 0603 X5R 10V4U7 COL R
2C33	319803404790	CER1 0402 NP0 50V47P COL
2D16	319803401020	CER1 0402 NP0 50V 1N COL
2D18	319803521040	CER2 0402 X7R 16V 100N COL
2D19	319803041010	ELCAP SM 16V100U PM20 COL R
2D22	319803521040	CER2 0402 X7R 16V 100N COL
2D23	319803041010	ELCAP SM 16V100U PM20 COL R
2D24	319802771080	CER2 0603 X5R 25V1U COL R
2D25	319803401020	CER1 0402 NP0 50V 1N COL
2E10	319803584740	CER2 0402 Y5V 10V 470N COL
2E12	319802781080	CER2 0402 X5R 6V31U COL
2E13	319803521040	CER2 0402 X7R 16V 100N COL
2E14	319803521030	CER2 0402 X7R 16V10N COL
2E15	319803401020	CER1 0402 NP0 50V 1N COL
2E16	319802771080	CER2 0603 X5R 25V1U COL R
2E17	319801741030	CER2 0603 Y5V 50V10N COL
2E18	319803402790	CER1 0402 NP0 50V27P COL
2E19	319803402790	CER1 0402 NP0 50V27P COL
2F01	319802771080	CER2 0603 X5R 25V1U COL R
2F02	319803521030	CER2 0402 X7R 16V10N COL
2F03	319803521030	CER2 0402 X7R 16V10N COL
2F06	319803521040	CER2 0402 X7R 16V 100N COL
2F07	319802741090	CER2 0603 X5R 6V310U COL R
2F10	319802741090	CER2 0603 X5R 6V310U COL R
2F11	319802741090	CER2 0603 X5R 6V310U COL R
2F12	319802741090	CER2 0603 X5R 6V310U COL R
2F13	319802741090	CER2 0603 X5R 6V310U COL R
2F14	319803501020	CER2 0402 X7R 50V1N COL
2F15	319803501020	CER2 0402 X7R 50V1N COL
2F16	319803501020	CER2 0402 X7R 50V1N COL
2F17	319803501020	CER2 0402 X7R 50V1N COL
2F18	319803404790	CER1 0402 NP0 50V47P COL
2F19	319803404790	CER1 0402 NP0 50V47P COL
2F22	319803404790	CER1 0402 NP0 50V47P COL
2F23	319803404790	CER1 0402 NP0 50V47P COL
2F26	319803402290	CER1 0402 NP0 50V22P COL

Item	Philips 12NC	Description
2F27	319803402290	CER1 0402 NP0 50V22P COL
2F28	319803402290	CER1 0402 NP0 50V22P COL
2F29	319803404790	CER1 0402 NP0 50V47P COL
2F30	319803404790	CER1 0402 NP0 50V47P COL
2F33	319803402290	CER1 0402 NP0 50V22P COL
2F34	319802741090	CER2 0603 X5R 6V310U COL R
2F35	319802741090	CER2 0603 X5R 6V310U COL R
2F36	319802741090	CER2 0603 X5R 6V310U COL R
2F37	319802741090	CER2 0603 X5R 6V310U COL R
2F38	319803501020	CER2 0402 X7R 50V1N COL
2F39	319803501020	CER2 0402 X7R 50V1N COL
2F40	319803501020	CER2 0402 X7R 50V1N COL
2F41	319803501020	CER2 0402 X7R 50V1N COL
2F42	319803402290	CER1 0402 NP0 50V22P COL
2F43	319803402290	CER1 0402 NP0 50V22P COL
2F44	319802741090	CER2 0603 X5R 6V310U COL R
2F45	319802741090	CER2 0603 X5R 6V310U COL R
2F46	319803524730	CER2 0402 X7R 16V47N COL
2F47	319803501020	CER2 0402 X7R 50V1N COL
2F48	319803501020	CER2 0402 X7R 50V1N COL
2F49	319803524730	CER2 0402 X7R 16V47N COL
2F50	319803501020	CER2 0402 X7R 50V1N COL
2F51	319803501020	CER2 0402 X7R 50V1N COL
2F52	319803524730	CER2 0402 X7R 16V47N COL
2F53	319803524730	CER2 0402 X7R 16V47N COL
2F54	319803524730	CER2 0402 X7R 16V47N COL
2F56	319803521040	CER2 0402 X7R 16V 100N COL
2F57	319803524730	CER2 0402 X7R 16V47N COL
2F58	319803524730	CER2 0402 X7R 16V47N COL
2F59	319803514720	CER2 0402 X7R 25V4N7 COL
2F60	319803403390	CER1 0402 NP0 50V33P COL
2F61	319803521030	CER2 0402 X7R 16V10N COL
2F62	319803521030	CER2 0402 X7R 16V10N COL
2F63	319803521030	CER2 0402 X7R 16V10N COL
2F64	319803521030	CER2 0402 X7R 16V10N COL
2F65	319803521030	CER2 0402 X7R 16V10N COL
2F66	319803514720	CER2 0402 X7R 25V4N7 COL
2F67	319803521040	CER2 0402 X7R 16V 100N COL
2F68	319803521030	CER2 0402 X7R 16V10N COL
2F69	319803521030	CER2 0402 X7R 16V10N COL
2F70	319803521030	CER2 0402 X7R 16V10N COL
2F71	319803521030	CER2 0402 X7R 16V10N COL
2F73	319803521030	CER2 0402 X7R 16V10N COL
2F74	319803521030	CER2 0402 X7R 16V10N COL
2F75	319803521030	CER2 0402 X7R 16V10N COL
2F76	319803041010	ELCAP SM 16V100U PM20 COL R
2F77	319803521040	CER2 0402 X7R 16V 100N COL
2F78	319802741090	CER2 0603 X5R 6V310U COL R
2F79	319803521040	CER2 0402 X7R 16V 100N COL
2F80	319803521040	CER2 0402 X7R 16V 100N COL
2F81	319802741090	CER2 0603 X5R 6V310U COL R
2F82	319802741090	CER2 0603 X5R 6V310U COL R
2F86	319803521040	CER2 0402 X7R 16V 100N COL
2F86	319803571040	CER2 0402 Y5V 16V 100N COL
2F87	319802741090	CER2 0603 X5R 6V310U COL R
2F88	319802741090	CER2 0603 X5R 6V310U COL R
2F89	319803022210	ELCAP SM 6V3220U PM20 COL R
2F90	319803022210	ELCAP SM 6V3220U PM20 COL R
2F94	319802741090	CER2 0603 X5R 6V310U COL R
2F95	319802741090	CER2 0603 X5R 6V310U COL R
3114	319803101080	RST SM 0402 1R PM5 COL
3116	232270672201	RST SM 0402 RC3220R PM1 R
3117	232270682402	RST SM 0402 RC322K4 PM1 R

Item	Philips 12NC	Description
3118	232270671002	RST SM 0402 RC32 1K PM1 R
3119	319803101080	RST SM 0402 1R PM5 COL
3120	319803101080	RST SM 0402 1R PM5 COL
3121	232270672201	RST SM 0402 RC32220R PM1 R
3122	232270671502	RST SM 0402 RC321K5 PM1 R
3126	232270671802	RST SM 0402 RC321K8 PM1 R
3127	232270673901	RST SM 0402 RC32390R PM1 R
3128	232270671202	RST SM 0402 RC321K2 PM1 R
3129	319802131090	RST SM 0603 10R PM5 COL
3130	319802131090	RST SM 0603 10R PM5 COL
3131	319803101080	RST SM 0402 1R PM5 COL
3132	319803101080	RST SM 0402 1R PM5 COL
3133	232270674702	RST SM 0402 RC324K7 PM1 R
3134	232270684702	RST SM 0402 RC324K7 PM1 R
3135	232270671502	RST SM 0402 RC321K5 PM1 R
3136	319802131090	RST SM 0603 10R PM5 COL
3137	232270671802	RST SM 0402 RC321K8 PM1 R
3138	319802131090	RST SM 0603 10R PM5 COL
3200	319803103310	RST SM 0402330R PM5 COL
3203	319803102210	RST SM 0402220R PM5 COL
3204	319803101010	RST SM 0402100R PM5 COL
3205	319803101010	RST SM 0402100R PM5 COL
3206	319803102210	RST SM 0402220R PM5 COL
3207	319803104720	RST SM 0402 4K7 PM5 COL
3208	319803104720	RST SM 0402 4K7 PM5 COL
3209	319803104720	RST SM 0402 4K7 PM5 COL
3210	319803101010	RST SM 0402100R PM5 COL
3211	319803101010	RST SM 0402100R PM5 COL
3212	319803104790	RST SM 0402 47R PM5 COL
3213	319803105620	RST SM 0402 5K6 PM5 COL
3220	319803190010	RST SM 0402 JUMP0R05 COL
3221	319803190010	RST SM 0402 JUMP0R05 COL
3223	232276260479	RST SM 2512 PRC221 47R PM5 R
3224	232276260479	RST SM 2512 PRC221 47R PM5 R
3226	319803102210	RST SM 0402220R PM5 COL
3227	319803102210	RST SM 0402220R PM5 COL
3311▲	212010894133	RST SM FUSE 120610R PM5 R
3312▲	212010894133	RST SM FUSE 120610R PM5 R
3314	319803102210	RST SM 0402220R PM5 COL
3315	319803102210	RST SM 0402220R PM5 COL
3316	319803102240	RST SM 0402220K PM5 COL
3317	319803102240	RST SM 0402220K PM5 COL
3320	232276260229	RST SM 2512 PRC221 22R PM5 R
3321	319803101020	RST SM 0402 1K PM5 COL
3322	319803104730	RST SM 0402 47K PM5 COL
3323	319803104720	RST SM 0402 4K7 PM5 COL
3324	319803101820	RST SM 0402 1K8 PM5 COL
3325	319803104720	RST SM 0402 4K7 PM5 COL
3327	319803101020	RST SM 0402 1K PM5 COL
3328	319802131090	RST SM 0603 10R PM5 COL
3335	319803101030	RST SM 0402 10K PM5 COL
3337	319803104730	RST SM 0402 47K PM5 COL
3338	319803101230	RST SM 0402 12K PM5 COL
3339	319803101030	RST SM 0402 10K PM5 COL
3340	319803101030	RST SM 0402 10K PM5 COL
3341	319803101020	RST SM 0402 1K PM5 COL
3342	319803101230	RST SM 0402 12K PM5 COL
3343	319803101030	RST SM 0402 10K PM5 COL
3344	319803104720	RST SM 0402 4K7 PM5 COL
3345	319803103930	RST SM 0402 39K PM5 COL
3346	319803104720	RST SM 0402 4K7 PM5 COL
3347	319802131090	RST SM 0603 10R PM5 COL
3348	319803190010	RST SM 0402 JUMP0R05 COL

Item	Philips 12NC	Description
3349	319803101030	RST SM 0402 10K PM5 COL
3350	319803101030	RST SM 0402 10K PM5 COL
3351	319802132240	RST SM 0603220K PM5 COL
3352	319803102230	RST SM 0402 22K PM5 COL
3353	319802132240	RST SM 0603220K PM5 COL
3354	232276260229	RST SM 2512 PRC221 22R PM5 R
3356	319803101020	RST SM 0402 1K PM5 COL
3357	319803101020	RST SM 0402 1K PM5 COL
3358	319803190010	RST SM 0402 JUMP0R05 COL
3359	319803190010	RST SM 0402 JUMP0R05 COL
3360	319803101030	RST SM 0402 10K PM5 COL
3361	319803104730	RST SM 0402 47K PM5 COL
3362	319803101030	RST SM 0402 10K PM5 COL
3363	319803104730	RST SM 0402 47K PM5 COL
3364	319803101030	RST SM 0402 10K PM5 COL
3365	319803101030	RST SM 0402 10K PM5 COL
3366	319803104730	RST SM 0402 47K PM5 COL
3367	319803101020	RST SM 0402 1K PM5 COL
3A10	319803104720	RST SM 0402 4K7 PM5 COL
3A11	319803101030	RST SM 0402 10K PM5 COL
3A12	319803101030	RST SM 0402 10K PM5 COL
3A15	319803101030	RST SM 0402 10K PM5 COL
3A16	319803101030	RST SM 0402 10K PM5 COL
3A18	319803101010	RST SM 0402100R PM5 COL
3A19	319803101010	RST SM 0402100R PM5 COL
3A20	319803101010	RST SM 0402100R PM5 COL
3A21	319803101010	RST SM 0402100R PM5 COL
3A22	319803101010	RST SM 0402100R PM5 COL
3A23	319803101010	RST SM 0402100R PM5 COL
3A24	319803101010	RST SM 0402100R PM5 COL
3A25	319803101010	RST SM 0402100R PM5 COL
3A26	319803101010	RST SM 0402100R PM5 COL
3A27	319803101010	RST SM 0402100R PM5 COL
3A28	319803101010	RST SM 0402100R PM5 COL
3A29	319803101010	RST SM 0402100R PM5 COL
3A30	319803104720	RST SM 0402 4K7 PM5 COL
3A31	319803104720	RST SM 0402 4K7 PM5 COL
3A32	319803101030	RST SM 0402 10K PM5 COL
3A33	319803101030	RST SM 0402 10K PM5 COL
3A34	319803101020	RST SM 0402 1K PM5 COL
3A35	319803101530	RST SM 0402 15K PM5 COL
3A36	319803101020	RST SM 0402 1K PM5 COL
3A37	319803101020	RST SM 0402 1K PM5 COL
3B10	232270671002	RST SM 0402 RC32 1K PM1 R
3B11	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B13	232270570629	RST SM 0402 RC3162R PM5 R
3B14	232270671002	RST SM 0402 RC32 1K PM1 R
3B15	232270671002	RST SM 0402 RC32 1K PM1 R
3B16	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B17	232270671501	RST SM 0402 RC32150R PM1 R
3B18	319803102220	RST SM 0402 2K2 PM5 COL
3B20	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B22	232270672701	RST SM 0402 RC32270R PM1 R
3B23	319803102220	RST SM 0402 2K2 PM5 COL
3B24	232270570629	RST SM 0402 RC3162R PM5 R
3C01	235003311103	RST NETW SM ARV34 4X 10K PM5 R
3C10	319803101030	RST SM 0402 10K PM5 COL
3C11	319803101030	RST SM 0402 10K PM5 COL
3C12	319803101030	RST SM 0402 10K PM5 COL
3C13	319803101030	RST SM 0402 10K PM5 COL
3C14	319803101010	RST SM 0402100R PM5 COL
3C15	319803190010	RST SM 0402 JUMP0R05 COL
3C16	319803101010	RST SM 0402100R PM5 COL

Item	Philips 12NC	Description
3C17	319803101010	RST SM 0402100R PM5 COL
3C18	319803101030	RST SM 0402 10K PM5 COL
3C19	319803190010	RST SM 0402 JUMP0R05 COL
3C21	319803104720	RST SM 0402 4K7 PM5 COL
3C22	319803190010	RST SM 0402 JUMP0R05 COL
3C24	319803101010	RST SM 0402100R PM5 COL
3C25	319803104720	RST SM 0402 4K7 PM5 COL
3C26	319803101030	RST SM 0402 10K PM5 COL
3C27	319803101010	RST SM 0402100R PM5 COL
3C29	319803101010	RST SM 0402100R PM5 COL
3C30	319803103390	RST SM 0402 33R PM5 COL
3C31	319803101030	RST SM 0402 10K PM5 COL
3C32	319803101030	RST SM 0402 10K PM5 COL
3C33	319803101030	RST SM 0402 10K PM5 COL
3C34	319803101030	RST SM 0402 10K PM5 COL
3C35	319803101010	RST SM 0402100R PM5 COL
3C39	319803102290	RST SM 0402 22R PM5 COL
3C40	319803102290	RST SM 0402 22R PM5 COL
3C42	319803190010	RST SM 0402 JUMP0R05 COL
3C44	319803101020	RST SM 0402 1K PM5 COL
3C45	319803101020	RST SM 0402 1K PM5 COL
3C46	319803101030	RST SM 0402 10K PM5 COL
3C50	319803104720	RST SM 0402 4K7 PM5 COL
3C51	319803104720	RST SM 0402 4K7 PM5 COL
3C52	319803101010	RST SM 0402100R PM5 COL
3C55	319803101010	RST SM 0402100R PM5 COL
3C56	319803190010	RST SM 0402 JUMP0R05 COL
3C57	319803104720	RST SM 0402 4K7 PM5 COL
3C58	319803104720	RST SM 0402 4K7 PM5 COL
3C59	319803190010	RST SM 0402 JUMP0R05 COL
3C60	319803104720	RST SM 0402 4K7 PM5 COL
3C61	319803104720	RST SM 0402 4K7 PM5 COL
3C62	319803104720	RST SM 0402 4K7 PM5 COL
3C63	319803104720	RST SM 0402 4K7 PM5 COL
3C64	319803190010	RST SM 0402 JUMP0R05 COL
3C65	319803106810	RST SM 0402680R PM5 COL
3C66	319803104720	RST SM 0402 4K7 PM5 COL
3C67	319803101020	RST SM 0402 1K PM5 COL
3C68	319803101030	RST SM 0402 10K PM5 COL
3C69	319803101010	RST SM 0402100R PM5 COL
3C70	319803101030	RST SM 0402 10K PM5 COL
3C72	319803104720	RST SM 0402 4K7 PM5 COL
3C73	319803104720	RST SM 0402 4K7 PM5 COL
3C74	319803101040	RST SM 0402100K PM5 COL
3C75	319803104720	RST SM 0402 4K7 PM5 COL
3C76	319803104720	RST SM 0402 4K7 PM5 COL
3C77	319803103390	RST SM 0402 33R PM5 COL
3C78	319803103390	RST SM 0402 33R PM5 COL
3C79	319803103390	RST SM 0402 33R PM5 COL
3C81	319803101030	RST SM 0402 10K PM5 COL
3C82	319803101030	RST SM 0402 10K PM5 COL
3C83	319803101030	RST SM 0402 10K PM5 COL
3C84	319803104720	RST SM 0402 4K7 PM5 COL
3C85	319803104720	RST SM 0402 4K7 PM5 COL
3C88	319803104720	RST SM 0402 4K7 PM5 COL
3C89	319803104720	RST SM 0402 4K7 PM5 COL
3C90	319803101010	RST SM 0402100R PM5 COL
3C91	319803101010	RST SM 0402100R PM5 COL
3C92	319803190010	RST SM 0402 JUMP0R05 COL
3C93	319803101080	RST SM 0402 1R PM5 COL
3C94	319803190010	RST SM 0402 JUMP0R05 COL
3C95	319803101080	RST SM 0402 1R PM5 COL
3C96	319803104720	RST SM 0402 4K7 PM5 COL

Item	Philips 12NC	Description
3C97	319803102290	RST SM 0402 22R PM5 COL
3D10	319803101020	RST SM 0402 1K PM5 COL
3D11	319803104730	RST SM 0402 47K PM5 COL
3D12	319803104790	RST SM 0402 47R PM5 COL
3D13	319803104730	RST SM 0402 47K PM5 COL
3D14	319803190010	RST SM 0402 JUMP0R05 COL
3D18	319803101010	RST SM 0402100R PM5 COL
3E10	319803102220	RST SM 0402 2K2 PM5 COL
3E11	319803101010	RST SM 0402100R PM5 COL
3E12	319803101010	RST SM 0402100R PM5 COL
3E13	319803102220	RST SM 0402 2K2 PM5 COL
3E14	319803101030	RST SM 0402 10K PM5 COL
3E15	319803101030	RST SM 0402 10K PM5 COL
3E16	319803103390	RST SM 0402 33R PM5 COL
3E17	319803103320	RST SM 0402 3K3 PM5 COL
3E18	319803103320	RST SM 0402 3K3 PM5 COL
3E23	319803101030	RST SM 0402 10K PM5 COL
3E24	319803101020	RST SM 0402 1K PM5 COL
3E25	319803101030	RST SM 0402 10K PM5 COL
3E26	212211807475	RST SM 0402 RC04022K PM1 R
3E27	212211807475	RST SM 0402 RC04022K PM1 R
3E28	319803104730	RST SM 0402 47K PM5 COL
3E29	319803101030	RST SM 0402 10K PM5 COL
3E30	319803104730	RST SM 0402 47K PM5 COL
3E31	319803101010	RST SM 0402100R PM5 COL
3E32	319803101010	RST SM 0402100R PM5 COL
3E33	319803104730	RST SM 0402 47K PM5 COL
3E34	319803104730	RST SM 0402 47K PM5 COL
3E35	319803102220	RST SM 0402 2K2 PM5 COL
3E36	319803101030	RST SM 0402 10K PM5 COL
3E37	319803104730	RST SM 0402 47K PM5 COL
3E38	319803101010	RST SM 0402100R PM5 COL
3E39	319803101030	RST SM 0402 10K PM5 COL
3E40	319803104730	RST SM 0402 47K PM5 COL
3E41	319803104730	RST SM 0402 47K PM5 COL
3E42	319803104730	RST SM 0402 47K PM5 COL
3E43	319803101020	RST SM 0402 1K PM5 COL
3E44	319803101020	RST SM 0402 1K PM5 COL
3E45	319803101030	RST SM 0402 10K PM5 COL
3E46	319803101020	RST SM 0402 1K PM5 COL
3E47	319803101020	RST SM 0402 1K PM5 COL
3E48	319803102220	RST SM 0402 2K2 PM5 COL
3E49	319803101010	RST SM 0402100R PM5 COL
3E50	232270678204	RST SM 0402 RC32820K PM1 R
3E51	319803102730	RST SM 0402 27K PM5 COL
3E52	319803101080	RST SM 0402 1R PM5 COL
3E53	319803104720	RST SM 0402 4K7 PM5 COL
3E54	319803101080	RST SM 0402 1R PM5 COL
3E55	319803102220	RST SM 0402 2K2 PM5 COL
3E56	319803102220	RST SM 0402 2K2 PM5 COL
3E57	319803102220	RST SM 0402 2K2 PM5 COL
3E58	319803102220	RST SM 0402 2K2 PM5 COL
3E59	319803101030	RST SM 0402 10K PM5 COL
3E60	319803101030	RST SM 0402 10K PM5 COL
3E61	319803190010	RST SM 0402 JUMP0R05 COL
3F10	232270673003	RST SM 0402 RC3230K PM1 R
3F11	232270673003	RST SM 0402 RC3230K PM1 R
3F12	232270673003	RST SM 0402 RC3230K PM1 R
3F13	319803190010	RST SM 0402 JUMP0R05 COL
3F14	232270673003	RST SM 0402 RC3230K PM1 R
3F15	319803190010	RST SM 0402 JUMP0R05 COL
3F16	319803190010	RST SM 0402 JUMP0R05 COL
3F17	319803190010	RST SM 0402 JUMP0R05 COL

Item	Philips 12NC	Description
3F18	232270677509	RST SM 0402 RC3275R PM1 R
3F19	232270677509	RST SM 0402 RC3275R PM1 R
3F21	232270677509	RST SM 0402 RC3275R PM1 R
3F22	232270677509	RST SM 0402 RC3275R PM1 R
3F24	319803190010	RST SM 0402 JUMP0R05 COL
3F25	319803190010	RST SM 0402 JUMP0R05 COL
3F26	232270677509	RST SM 0402 RC3275R PM1 R
3F27	319803190010	RST SM 0402 JUMP0R05 COL
3F28	232270677509	RST SM 0402 RC3275R PM1 R
3F29	319803190010	RST SM 0402 JUMP0R05 COL
3F30	232270677509	RST SM 0402 RC3275R PM1 R
3F31	232270677509	RST SM 0402 RC3275R PM1 R
3F32	232270677509	RST SM 0402 RC3275R PM1 R
3F35	232270677509	RST SM 0402 RC3275R PM1 R
3F36	232270673003	RST SM 0402 RC3230K PM1 R
3F37	232270673003	RST SM 0402 RC3230K PM1 R
3F38	232270673003	RST SM 0402 RC3230K PM1 R
3F39	232270673003	RST SM 0402 RC3230K PM1 R
3F40	232270677509	RST SM 0402 RC3275R PM1 R
3F41	319803190010	RST SM 0402 JUMP0R05 COL
3F42	232270677509	RST SM 0402 RC3275R PM1 R
3F43	319803190010	RST SM 0402 JUMP0R05 COL
3F44	319803101010	RST SM 0402100R PM5 COL
3F45	232270673003	RST SM 0402 RC3230K PM1 R
3F46	232270673003	RST SM 0402 RC3230K PM1 R
3F47	319803101010	RST SM 0402100R PM5 COL
3F48	319803101010	RST SM 0402100R PM5 COL
3F49	319803101010	RST SM 0402100R PM5 COL
3F50	319803101010	RST SM 0402100R PM5 COL
3F51	232270570241	RST SM 0402 RC31240R PM5 R
3F52	319803101010	RST SM 0402100R PM5 COL
3F53	319803101010	RST SM 0402100R PM5 COL
3F54	319803190010	RST SM 0402 JUMP0R05 COL
3F55	319803101010	RST SM 0402100R PM5 COL
3F56	319803106890	RST SM 0402 68R PM5 COL
3F57	319803101010	RST SM 0402100R PM5 COL
3F58	319803106890	RST SM 0402 68R PM5 COL
3F59	319803101010	RST SM 0402100R PM5 COL
3F60	319803106890	RST SM 0402 68R PM5 COL
3F61	319803190010	RST SM 0402 JUMP0R05 COL
3F62	319803106890	RST SM 0402 68R PM5 COL
3F63	319803101010	RST SM 0402100R PM5 COL
3F64	319803106890	RST SM 0402 68R PM5 COL
3F65	319803101010	RST SM 0402100R PM5 COL
3F66	319803106890	RST SM 0402 68R PM5 COL
3F68	319803105610	RST SM 0402560R PM5 COL
3F71	319803190010	RST SM 0402 JUMP0R05 COL
3F72	319803101010	RST SM 0402100R PM5 COL
3F74	319803101010	RST SM 0402100R PM5 COL
3F75	319803190010	RST SM 0402 JUMP0R05 COL
3F76	319803104710	RST SM 0402470R PM5 COL
3F77	319803101080	RST SM 0402 1R PM5 COL
3F78	232270675102	RST SM 0402 RC325K1 PM1 R
3F79	319803101020	RST SM 0402 1K PM5 COL
3F82	319803104730	RST SM 0402 47K PM5 COL
3F83	319803104710	RST SM 0402470R PM5 COL
3F84	319803101080	RST SM 0402 1R PM5 COL
3F85	319803103390	RST SM 0402 33R PM5 COL
3F86	319803103390	RST SM 0402 33R PM5 COL
3F87	319803104730	RST SM 0402 47K PM5 COL
3F88	319803101020	RST SM 0402 1K PM5 COL
3F89	319803101010	RST SM 0402100R PM5 COL
3F91	319803190010	RST SM 0402 JUMP0R05 COL

Item	Philips 12NC	Description
3F92	319803190010	RST SM 0402 JUMP0R05 COL
3F93	319803104710	RST SM 0402470R PM5 COL
3F94	319803104710	RST SM 0402470R PM5 COL
4203	319803190010	RST SM 0402 JUMP0R05 COL
4204	319803190010	RST SM 0402 JUMP0R05 COL
4207	319803190010	RST SM 0402 JUMP0R05 COL
4310	319803190010	RST SM 0402 JUMP0R05 COL
4D17	319803190010	RST SM 0402 JUMP0R05 COL
4D18	319803190010	RST SM 0402 JUMP0R05 COL
4D19	319803190010	RST SM 0402 JUMP0R05 COL
4D20	319803190010	RST SM 0402 JUMP0R05 COL
4D21	235003391001	RST NETW SM ARV341 4X JUMPER R
4D22	235003391001	RST NETW SM ARV341 4X JUMPER R
4D23	235003391001	RST NETW SM ARV341 4X JUMPER R
4D24	235003391001	RST NETW SM ARV341 4X JUMPER R
4D25	235003391001	RST NETW SM ARV341 4X JUMPER R
4D26	235003391001	RST NETW SM ARV341 4X JUMPER R
4F01	319803190010	RST SM 0402 JUMP0R05 COL
4F02	319803190010	RST SM 0402 JUMP0R05 COL
5112	242253601849	IND FXD SM NR80402U PM30 R
5113	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5114	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5115	242253601634	IND FXD SM NR604510U PM20 R
5116	242253601567	IND FXD SM NR804010U PM20 R
5117	242253601567	IND FXD SM NR804010U PM20 R
5118	242253601567	IND FXD SM NR804010U PM20 R
5119	242253601567	IND FXD SM NR804010U PM20 R
5201	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5202	242253601514	IND FXD SM 06030U56 PM5 R
5203	242253601386	IND FXD SM NR401810U PM20 R
5204	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5205	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5206	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5207	242253601057	IND FXD SM 06030U39 PM5 R
5208	242253601057	IND FXD SM 06030U39 PM5 R
5209	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5310	242253601564	IND FXD SM NR804022U PM20 R
5311	242253601564	IND FXD SM NR804022U PM20 R
5314	242253601564	IND FXD SM NR804022U PM20 R
5315	242253601564	IND FXD SM NR804022U PM20 R
5316	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5317	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5318	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5319	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5320	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5321	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5A10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A11	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A12	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A13	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A16	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A17	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A18	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A19	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A20	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5B11	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B12	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B13	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5C10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C12	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C13	242254943276	IND FXD 0603 EMI 100MHZ 30R R

Item	Philips 12NC	Description
5C14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5D12	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D14	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D15	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D16	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D17	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D18	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D19	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5E10	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5F13	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F15	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F17	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F19	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F21	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F23	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F24	242254943276	IND FXD 0603 EMI 100MHZ 30R R
6110	932208282668	DIO REC SM SS34-E3(VISH) R
6110	932226312668	DIO REC SM SS34(TASE) R
6111	932208282668	DIO REC SM SS34-E3(VISH) R
6111	932226312668	DIO REC SM SS34(TASE) R
6112	932208282668	DIO REC SM SS34-E3(VISH) R
6112	932226312668	DIO REC SM SS34(TASE) R
6113	932208282668	DIO REC SM SS34-E3(VISH) R
6113	932226312668	DIO REC SM SS34(TASE) R
6310	933976370215	DIO SIG SM BAT54C (PHSE) R
6312	319801010630	DIO SIG SM BAS316 (COL) R
6313	933976370215	DIO SIG SM BAT54C (PHSE) R
6A10	319802053380	DIO REG SM BZX384-C3V3COL R
6A11	319802058280	DIO REG SM BZX384-C8V2COL R
6C10	319801010630	DIO SIG SM BAS316 (COL) R
6C12	319802056880	DIO REG SM BZX384-C6V8COL R
6C13	319802056880	DIO REG SM BZX384-C6V8COL R
6C14	319801010630	DIO SIG SM BAS316 (COL) R
6D10	319802056880	DIO REG SM BZX384-C6V8COL R
6D11	932213446685	LED VS SM SML-310MT(RHM0) R
6E13	934057248315	DIO SIG SM BAT54L (PHSE) R
6E16	319801010630	DIO SIG SM BAS316 (COL) R
6F01	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F02	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F03	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F04	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F05	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F06	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F07	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F08	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F09	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F10	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F11	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F12	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F13	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F14	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F15	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F16	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F17	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F18	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F19	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F20	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F21	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F22	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F25	319802056880	DIO REG SM BZX384-C6V8COL R
6F26	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R
6F27	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R

Item	Philips 12NC	Description
6F29	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F30	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F31	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
7101	932225820668	IC SM ST1S10PH(ST00) R
7115	932219811685	IC SM L78L08ACU(ST00) R
7116	932225540668	IC SM TPS54386PWP (TI00) R
7117	932225540668	IC SM TPS54386PWP (TI00) R
7200	319801042310	TRA SIG SM BC847BW (COL) R
7201	935286706118	IC SM TDA9886T/V5 (NXP0) R
7201	935286711118	IC SM TDA9885T/V5 (NXP0) R
7202	932210447668	IC SM L78M05CDT(ST00) R
7301	934042510115	TRA SIG SM BC857BS(PHSE) R
7303	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7304	935283479518	IC SM TDA8932BTW/N2(NXP0) R
7306	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7307	319801042320	TRA SIG SM BC857BW (COL) R
7308	319801042310	TRA SIG SM BC847BW (COL) R
7309	934042520135	TRA SIG SM BC847BS(PHSE) R
7311	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7312	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7313	933946360215	FET POW SM BSS84 (PHSE) R
7314	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7315	934042510115	TRA SIG SM BC857BS(PHSE) R
7316	319801042320	TRA SIG SM BC857BW (COL) R
7317	319801042320	TRA SIG SM BC857BW (COL) R
7701	932226683671	IC SM MT5392PVMJ (MEDI) Y
7A10	319801042310	TRA SIG SM BC847BW (COL) R
7A11	934042520115	TRA SIG SM BC847BS(PHSE) R
7B02	932226254668	IC SM HYB18H1G321AF-11 (QIMO)R
7C04	932223182668	IC SM M24C64-RDW6P(ST00) R
7C05	319801042310	TRA SIG SM BC847BW (COL) R
7C06	319801042310	TRA SIG SM BC847BW (COL) R
7C07	319801042310	TRA SIG SM BC847BW (COL) R
7C08	932222773685	IC SM BD45292G(RHM0) R
7C11	932222588668	IC SM M25P64-VMF6TP(ST00) R
7D02	932226569668	FET POW SM SI4835DDY-E3(VISH)R
7D03	319801044110	TRA SIG SM PDTCT114ET(COL) R
7E01	932220624668	IC SM M24C02-WMN6P(ST00) R
7E02	932226535671	IC SM ADV3002BSTZ (ANA0) Y
7E03	319801042310	TRA SIG SM BC847BW (COL) R
7E05	319801042310	TRA SIG SM BC847BW (COL) R
7E06	319801042310	TRA SIG SM BC847BW (COL) R
7E10	319801042310	TRA SIG SM BC847BW (COL) R
7E14	319801042310	TRA SIG SM BC847BW (COL) R
7F01	932224227668	IC SM TPS2041BD(TI00) R
7F03	932225872685	TRA SIG SM 2SD2653K(RHM0) R
7F04	932225872685	TRA SIG SM 2SD2653K(RHM0) R

PARTS LIST


[32PFL6704D/F7 (Serial No. : YA1B***)]**

Difference parts from the original model [32PFL6704D/F7 (Serial No. : YA1A*****)]

Item	Philips 12NC	Description
PCB Assembly		
1150	A9PH4D1G-001	AS SSB NA2k9M + LR out

PARTS LIST

[42PFL6704D/F7 (Serial No. : YA1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

Item	Philips 12NC	Description
Mechanical Parts		
0004	313918767041	AS FCAB 42 FRAME NAFTA 6000
0012	313912476811	BC 42" FRAME NAFTA
0015	313918766581	AS FLARE 42 FRAME NA
0018	313912476951	LEADING EDGE COVER 42 FRAME
0021	313912476991	SIDE IO BRACKET FRAME-NAFTA
0179	313912476691	LIGHT GUIDE (FRAME)
0259	313913870951	SCREW BAG STAND FRAME
0260	313918766012	AS STAND FRAME 37/42
5211	242226400709	LSP ASSY 6R 10W BOX1123G-L B
5212	242226400711	LSP ASSY 6R 10W BOX1123G-R B
Packing Parts		
0101	313912541321	ADDENDUM FRAME
0124	312212422789	BAG
0124	313501300261	PE-BAG
0125	313912540861	DFU NAFTA 2K9 120Hz
0127	313912540563	FCC Addendum
0136	313912567391	ME8 Child Safety Guide
0687	312123349281	White Label w/o Ribbon
Accessory		
1082	908210090001	R03-B500/01S - Battery
1085	242254902349	REMOTE CONTR YKF255-002 B
8195	242207000106	MAINSCORD UL 7A 1M5 DET 2P B
Miscellanea		
8101	313917103201	CBLE HL 11P/400/11P HL 24ST BK
8102	313917103371	CBLE HL 8P/400/8P HL 24ST BK
8301	313917102431	CBLE HL 04P/280+560/2X2FT FER
8401	313917102921	CBLE PA 2P3/220/2P3 24ST INS
8402	313917103751	CBLE PA 2P3/870/2P3 24ST INS
8408	310431106951	CBLE VH 2P3/180/INLET INS UL
8C02	313917103481	CBLE HL 8P/400/8P9 HL 28ST Ins
8D02	313917103601	CBLE FX15 41P/400/41P FI-R FER
8D03	313917103611	CBLE FI-R 51P/400/51P FI-R FER
LCD Panel		
1004	932226646682	TFT-LCD LC420WUF-SBN1 (LGPH) B
PCB Assembly		
1005	272217100695	POW SUPP MOD IPB 42 PLHL-T828A
1112	272217100775	MOD IR-LED-RD-WH YKJ2032-003 B
1114	272217100737	MOD CTRL KNOB SF2032-005 B
1150	313926865382	AS SSB NA2k9M + LR out
PCB Assembly		
1150	313926865382	AS SSB NA2k9M + LR out
1203	242254290148	TUN V+U PLL F B

Item	Philips 12NC	Description
1204	242254944518	FIL SAW 45MHZ75 OFWM1971M L
1735	242202520678	CON V 4P M 2.00 1735446 B
1736	242202520677	CON V 3P M 2.00 1735446 B
1C01	242202605905	SOC PHONE V 1P F 3.5 ST MSJ Y
1D04	242254945325	FIL CM SM 50V 100MHZ 67R R
1D05	242254945325	FIL CM SM 50V 100MHZ 67R R
1D06	242254945325	FIL CM SM 50V 100MHZ 67R R
1D07	242254945325	FIL CM SM 50V 100MHZ 67R R
1D08	242254945325	FIL CM SM 50V 100MHZ 67R R
1D09	242254945325	FIL CM SM 50V 100MHZ 67R R
1D11	242254945325	FIL CM SM 50V 100MHZ 67R R
1D13	242254945325	FIL CM SM 50V 100MHZ 67R R
1D15	242254945325	FIL CM SM 50V 100MHZ 67R R
1D16	242254945325	FIL CM SM 50V 100MHZ 67R R
1D17	242254945325	FIL CM SM 50V 100MHZ 67R R
1D18	242254945325	FIL CM SM 50V 100MHZ 67R R
1D19	242254945325	FIL CM SM 50V 100MHZ 67R R
1D20	242254945325	FIL CM SM 50V 100MHZ 67R R
1D21	242254945325	FIL CM SM 50V 100MHZ 67R R
1D22	242254945325	FIL CM SM 50V 100MHZ 67R R
1D23	242254945325	FIL CM SM 50V 100MHZ 67R R
1D24	242254945325	FIL CM SM 50V 100MHZ 67R R
1D25	242254945325	FIL CM SM 50V 100MHZ 67R R
1D26	242254945325	FIL CM SM 50V 100MHZ 67R R
1D38	242254945325	FIL CM SM 50V 100MHZ 67R R
1D39	242254945325	FIL CM SM 50V 100MHZ 67R R
1D40	242254945325	FIL CM SM 50V 100MHZ 67R R
1D41	242254945325	FIL CM SM 50V 100MHZ 67R R
1E01	242203300698	SOC HDMI V 19P F SM DC1 R
1E02	242203300698	SOC HDMI V 19P F SM DC1 R
1E03	242203300698	SOC HDMI V 19P F SM DC1 R
1E04	242203300715	SOC HDMI H 19P F SM 47266 R
1E07	242254301676	RES XTL SM 27MHZ 18P NX5032 R
1F01	242202606009	SOC CINCH V 5P F 1L5 Y
1F02	242202606009	SOC CINCH V 5P F 1L5 Y
1F03	242202605702	SOC MDIN V 4P F MDC-066H-A Y
1F04	242202606017	SOC CINCH V 3P F 1L3 YEWHRD Y
1F05	242202606087	SOC CINCH V 3P F 1L3 BKWHRD Y
1F06	242202605703	SOC PHONE H 1P F 3.5 ST MSJ Y
1F07	242202605959	SOC MDIN H 4P F MDC-013V1 Y
1F08	242202605952	SOC CINCH H 3P F 1L3 YEWHRD Y
1F10	242203300486	SOC USB H 4P F 2/2.5 292303 B
1F14	242202606027	SOC CINCH V 1P F 1L1 WH Y
1F15	242202606088	SOC CINCH V 1P F 1L1 RD Y
1G50	242202520715	CON H 41P F 0.50 SM FX15S R
1G51	242202520117	CON H 51P F 0.5 SM FI-RE R
1M20	242202520684	CON V 9P M 2.00 1735446 B
1M95	242202520686	CON V 11P M 2.00 1735446 B
1M99	242202520683	CON V 8P M 2.00 1735446 B
2119	319803512230	CER2 0402 X7R 25V 22N COL
2120	319803512230	CER2 0402 X7R 25V 22N COL
2121	319803512230	CER2 0402 X7R 25V 22N COL
2122	319803512230	CER2 0402 X7R 25V 22N COL
2123	319803514720	CER2 0402 X7R 25V 4N7 COL
2124	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2125	319802721090	CER2 0805 X5R 16V 10U COL R
2126	319802721090	CER2 0805 X5R 16V 10U COL R
2127	319802721090	CER2 0805 X5R 16V 10U COL R

Item	Philips 12NC	Description
2128	319802702290	CER2 0805 X5R 6V3 22U COL R
2129	319802702290	CER2 0805 X5R 6V3 22U COL R
2130	319802702290	CER2 0805 X5R 6V3 22U COL R
2131	319802702290	CER2 0805 X5R 6V3 22U COL R
2132	319803521040	CER2 0402 X7R 16V 100N COL
2133	319803512230	CER2 0402 X7R 25V 22N COL
2134	319803512230	CER2 0402 X7R 25V 22N COL
2135	319803512230	CER2 0402 X7R 25V 22N COL
2136	319803512230	CER2 0402 X7R 25V 22N COL
2137	319803512230	CER2 0402 X7R 25V 22N COL
2138	319803041010	ELCAP SM 16V 100U PM20 COL R
2139	319802721090	CER2 0805 X5R 16V 10U COL R
2140	319802771080	CER2 0603 X5R 25V 1U COL R
2141	319803521040	CER2 0402 X7R 16V 100N COL
2142	319802721090	CER2 0805 X5R 16V 10U COL R
2143	319803523330	CER2 0402 X7R 16V 33N COL
2144	319803523330	CER2 0402 X7R 16V 33N COL
2148	319801734710	CER2 0603 X7R 50V 470P COL
2149	319801734710	CER2 0603 X7R 50V 470P COL
2154	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2155	319802754780	CER2 0603 X5R 10V 4U7 COL R
2158	319802711090	CER2 0805 X5R 10V 10U COL R
2159	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2160	319802711090	CER2 0805 X5R 10V 10U COL R
2162	319802721090	CER2 0805 X5R 16V 10U COL R
2163	319802721090	CER2 0805 X5R 16V 10U COL R
2164	319803523330	CER2 0402 X7R 16V 33N COL
2165	319803523330	CER2 0402 X7R 16V 33N COL
2168	319801734710	CER2 0603 X7R 50V 470P COL
2169	319801734710	CER2 0603 X7R 50V 470P COL
2170	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2171	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2172	319802754780	CER2 0603 X5R 10V 4U7 COL R
2174	319802711090	CER2 0805 X5R 10V 10U COL R
2176	319802711090	CER2 0805 X5R 10V 10U COL R
2200	319803501520	CER2 0402 X7R 50V 1N5 COL
2201	223878615654	CER2 0603 X7R 16V 220N PM10 R
2203	319803521030	CER2 0402 X7R 16V 10N COL
2204	319803521040	CER2 0402 X7R 16V 100N COL
2205	319803501020	CER2 0402 X7R 50V 1N COL
2208	319803501020	CER2 0402 X7R 50V 1N COL
2209	319803521030	CER2 0402 X7R 16V 10N COL
2212	319803402290	CER1 0402 NP0 50V 22P COL
2213	319803402290	CER1 0402 NP0 50V 22P COL
2214	319803521030	CER2 0402 X7R 16V 10N COL
2215	319803521030	CER2 0402 X7R 16V 10N COL
2216	319802771080	CER2 0603 X5R 25V 1U COL R
2217	319803521040	CER2 0402 X7R 16V 100N COL
2218	202055200247	CER2 0603 X5R 25V 470N PM10 R
2219	319802741090	CER2 0603 X5R 6V3 10U COL R
2220	319803521040	CER2 0402 X7R 16V 100N COL
2223	319803521040	CER2 0402 X7R 16V 100N COL
2224	319803521030	CER2 0402 X7R 16V 10N COL
2225	319803403910	CER1 0402 NP0 50V 390P COL
2226	319803521030	CER2 0402 X7R 16V 10N COL
2227	319803521030	CER2 0402 X7R 16V 10N COL
2230	319803404790	CER1 0402 NP0 50V 47P COL
2233	319803512230	CER2 0402 X7R 25V 22N COL
2235	319803401010	CER1 0402 NP0 50V 100P COL
2236	319803403390	CER1 0402 NP0 50V 33P COL
2237	319803403390	CER1 0402 NP0 50V 33P COL
2238	319803501020	CER2 0402 X7R 50V 1N COL
2239	319803501020	CER2 0402 X7R 50V 1N COL

Item	Philips 12NC	Description
2240	319803404790	CER1 0402 NP0 50V 47P COL
2312	319803521040	CER2 0402 X7R 16V 100N COL
2313	319803521040	CER2 0402 X7R 16V 100N COL
2316	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2317	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2320	319803521030	CER2 0402 X7R 16V 10N COL
2321	319803521030	CER2 0402 X7R 16V 10N COL
2324	223878615654	CER2 0603 X7R 16V 220N PM10 R
2326	202001200028	ELCAP SM SEV 16V 470U PM20 R
2327	223878615654	CER2 0603 X7R 16V 220N PM10 R
2328	319803521040	CER2 0402 X7R 16V 100N COL
2329	319803521040	CER2 0402 X7R 16V 100N COL
2330	202055200247	CER2 0603 X5R 25V 470N PM10 R
2332	319802771080	CER2 0603 X5R 25V 1U COL R
2334	319803501020	CER2 0402 X7R 50V 1N COL
2335	319803502210	CER2 0402 X7R 50V 220P COL
2336	319802771080	CER2 0603 X5R 25V 1U COL R
2337	319802771080	CER2 0603 X5R 25V 1U COL R
2338	319803501020	CER2 0402 X7R 50V 1N COL
2339	319803502210	CER2 0402 X7R 50V 220P COL
2340	319803501020	CER2 0402 X7R 50V 1N COL
2341	319802771080	CER2 0603 X5R 25V 1U COL R
2342	202055200247	CER2 0603 X5R 25V 470N PM10 R
2344	319803521040	CER2 0402 X7R 16V 100N COL
2346	319803501530	CER2 0402 X7R 50V 15N COL
2347	319802771080	CER2 0603 X5R 25V 1U COL R
2348	319803501530	CER2 0402 X7R 50V 15N COL
2349	223878615654	CER2 0603 X7R 16V 220N PM10 R
2350	319803521040	CER2 0402 X7R 16V 100N COL
2351	319803521040	CER2 0402 X7R 16V 100N COL
2352	319803501020	CER2 0402 X7R 50V 1N COL
2353	223878615654	CER2 0603 X7R 16V 220N PM10 R
2354	202055200247	CER2 0603 X5R 25V 470N PM10 R
2355	319803501020	CER2 0402 X7R 50V 1N COL
2356	319803501020	CER2 0402 X7R 50V 1N COL
2357	319803501020	CER2 0402 X7R 50V 1N COL
2358	319802771080	CER2 0603 X5R 25V 1U COL R
2360	319803521040	CER2 0402 X7R 16V 100N COL
2361	319803521040	CER2 0402 X7R 16V 100N COL
2362	319803512230	CER2 0402 X7R 25V 22N COL
2363	319803521040	CER2 0402 X7R 16V 100N COL
2A01	319802754780	CER2 0603 X5R 10V 4U7 COL R
2A02	319803521040	CER2 0402 X7R 16V 100N COL
2A03	319803521040	CER2 0402 X7R 16V 100N COL
2A10	319803521040	CER2 0402 X7R 16V 100N COL
2A11	319803521040	CER2 0402 X7R 16V 100N COL
2A12	319803521040	CER2 0402 X7R 16V 100N COL
2A13	319803521040	CER2 0402 X7R 16V 100N COL
2A14	319803521040	CER2 0402 X7R 16V 100N COL
2A15	319803521040	CER2 0402 X7R 16V 100N COL
2A16	319803521040	CER2 0402 X7R 16V 100N COL
2A17	319803521040	CER2 0402 X7R 16V 100N COL
2A18	319803521040	CER2 0402 X7R 16V 100N COL
2A19	319803521040	CER2 0402 X7R 16V 100N COL
2A1A	319802781080	CER2 0402 X5R 6V3 1U COL
2A1B	319803521040	CER2 0402 X7R 16V 100N COL
2A1C	319802781080	CER2 0402 X5R 6V3 1U COL
2A1D	319803521040	CER2 0402 X7R 16V 100N COL
2A1F	319802781080	CER2 0402 X5R 6V3 1U COL
2A1G	319803521040	CER2 0402 X7R 16V 100N COL
2A1H	319802754780	CER2 0603 X5R 10V 4U7 COL R
2A1J	319803521040	CER2 0402 X7R 16V 100N COL
2A1K	319802771080	CER2 0603 X5R 25V 1U COL R

Item	Philips 12NC	Description
2B53	319803521040	CER2 0402 X7R 16V 100N COL
2B54	319803521040	CER2 0402 X7R 16V 100N COL
2B55	319803521040	CER2 0402 X7R 16V 100N COL
2B56	319803521040	CER2 0402 X7R 16V 100N COL
2B57	319803521040	CER2 0402 X7R 16V 100N COL
2B58	319803521040	CER2 0402 X7R 16V 100N COL
2B59	319803521040	CER2 0402 X7R 16V 100N COL
2B60	319803521040	CER2 0402 X7R 16V 100N COL
2B61	319803521040	CER2 0402 X7R 16V 100N COL
2B62	319803521040	CER2 0402 X7R 16V 100N COL
2B63	319803521040	CER2 0402 X7R 16V 100N COL
2B64	319803521040	CER2 0402 X7R 16V 100N COL
2B65	319803521040	CER2 0402 X7R 16V 100N COL
2B66	319803521040	CER2 0402 X7R 16V 100N COL
2C10	319803521040	CER2 0402 X7R 16V 100N COL
2C13	319803521040	CER2 0402 X7R 16V 100N COL
2C15	319803501020	CER2 0402 X7R 50V 1N COL
2C16	319803501020	CER2 0402 X7R 50V 1N COL
2C17	319803501020	CER2 0402 X7R 50V 1N COL
2C18	319803501020	CER2 0402 X7R 50V 1N COL
2C19	319803501020	CER2 0402 X7R 50V 1N COL
2C20	319803501020	CER2 0402 X7R 50V 1N COL
2C21	319803501020	CER2 0402 X7R 50V 1N COL
2C22	319803401090	CER1 0402 NP0 50V 10P COL
2C23	319803401090	CER1 0402 NP0 50V 10P COL
2C24	319802781080	CER2 0402 X5R 6V3 1U COL
2C28	319803521040	CER2 0402 X7R 16V 100N COL
2C31	319802754780	CER2 0603 X5R 10V 4U7 COL R
2C32	319802754780	CER2 0603 X5R 10V 4U7 COL R
2C33	319803404790	CER1 0402 NP0 50V 47P COL
2D16	319803401020	CER1 0402 NP0 50V 1N COL
2D18	319803521040	CER2 0402 X7R 16V 100N COL
2D19	319803041010	ELCAP SM 16V 100U PM20 COL R
2D22	319803521040	CER2 0402 X7R 16V 100N COL
2D23	319803041010	ELCAP SM 16V 100U PM20 COL R
2D24	319802771080	CER2 0603 X5R 25V 1U COL R
2D25	319803401020	CER1 0402 NP0 50V 1N COL
2E10	319803584740	CER2 0402 Y5V 10V 470N COL
2E12	319802781080	CER2 0402 X5R 6V3 1U COL
2E13	319803521040	CER2 0402 X7R 16V 100N COL
2E14	319803521030	CER2 0402 X7R 16V 10N COL
2E15	319803401020	CER1 0402 NP0 50V 1N COL
2E16	319802771080	CER2 0603 X5R 25V 1U COL R
2E17	319801741030	CER2 0603 Y5V 50V 10N COL
2E18	319803402790	CER1 0402 NP0 50V 27P COL
2E19	319803402790	CER1 0402 NP0 50V 27P COL
2F01	319802771080	CER2 0603 X5R 25V 1U COL R
2F02	319803521030	CER2 0402 X7R 16V 10N COL
2F03	319803521030	CER2 0402 X7R 16V 10N COL
2F06	319803521040	CER2 0402 X7R 16V 100N COL
2F07	319802741090	CER2 0603 X5R 6V3 10U COL R
2F10	319802741090	CER2 0603 X5R 6V3 10U COL R
2F11	319802741090	CER2 0603 X5R 6V3 10U COL R
2F12	319802741090	CER2 0603 X5R 6V3 10U COL R
2F13	319802741090	CER2 0603 X5R 6V3 10U COL R
2F14	319803501020	CER2 0402 X7R 50V 1N COL
2F15	319803501020	CER2 0402 X7R 50V 1N COL
2F16	319803501020	CER2 0402 X7R 50V 1N COL
2F17	319803501020	CER2 0402 X7R 50V 1N COL
2F18	319803404790	CER1 0402 NP0 50V 47P COL
2F19	319803404790	CER1 0402 NP0 50V 47P COL
2F22	319803404790	CER1 0402 NP0 50V 47P COL
2F23	319803404790	CER1 0402 NP0 50V 47P COL

Item	Philips 12NC	Description
2F26	319803402290	CER1 0402 NP0 50V 22P COL
2F27	319803402290	CER1 0402 NP0 50V 22P COL
2F28	319803402290	CER1 0402 NP0 50V 22P COL
2F29	319803404790	CER1 0402 NP0 50V 47P COL
2F30	319803404790	CER1 0402 NP0 50V 47P COL
2F33	319803402290	CER1 0402 NP0 50V 22P COL
2F34	319802741090	CER2 0603 X5R 6V3 10U COL R
2F35	319802741090	CER2 0603 X5R 6V3 10U COL R
2F36	319802741090	CER2 0603 X5R 6V3 10U COL R
2F37	319802741090	CER2 0603 X5R 6V3 10U COL R
2F38	319803501020	CER2 0402 X7R 50V 1N COL
2F39	319803501020	CER2 0402 X7R 50V 1N COL
2F40	319803501020	CER2 0402 X7R 50V 1N COL
2F41	319803501020	CER2 0402 X7R 50V 1N COL
2F42	319803402290	CER1 0402 NP0 50V 22P COL
2F43	319803402290	CER1 0402 NP0 50V 22P COL
2F44	319802741090	CER2 0603 X5R 6V3 10U COL R
2F45	319802741090	CER2 0603 X5R 6V3 10U COL R
2F46	319803524730	CER2 0402 X7R 16V 47N COL
2F47	319803501020	CER2 0402 X7R 50V 1N COL
2F48	319803501020	CER2 0402 X7R 50V 1N COL
2F49	319803524730	CER2 0402 X7R 16V 47N COL
2F50	319803501020	CER2 0402 X7R 50V 1N COL
2F51	319803501020	CER2 0402 X7R 50V 1N COL
2F52	319803524730	CER2 0402 X7R 16V 47N COL
2F53	319803524730	CER2 0402 X7R 16V 47N COL
2F54	319803524730	CER2 0402 X7R 16V 47N COL
2F56	319803521040	CER2 0402 X7R 16V 100N COL
2F57	319803524730	CER2 0402 X7R 16V 47N COL
2F58	319803524730	CER2 0402 X7R 16V 47N COL
2F59	319803514720	CER2 0402 X7R 25V 4N7 COL
2F60	319803403390	CER1 0402 NP0 50V 33P COL
2F61	319803521030	CER2 0402 X7R 16V 10N COL
2F62	319803521030	CER2 0402 X7R 16V 10N COL
2F63	319803521030	CER2 0402 X7R 16V 10N COL
2F64	319803521030	CER2 0402 X7R 16V 10N COL
2F65	319803521030	CER2 0402 X7R 16V 10N COL
2F66	319803514720	CER2 0402 X7R 25V 4N7 COL
2F67	319803521040	CER2 0402 X7R 16V 100N COL
2F68	319803521030	CER2 0402 X7R 16V 10N COL
2F69	319803521030	CER2 0402 X7R 16V 10N COL
2F70	319803521030	CER2 0402 X7R 16V 10N COL
2F71	319803521030	CER2 0402 X7R 16V 10N COL
2F73	319803521030	CER2 0402 X7R 16V 10N COL
2F74	319803521030	CER2 0402 X7R 16V 10N COL
2F75	319803521030	CER2 0402 X7R 16V 10N COL
2F76	319803041010	ELCAP SM 16V 100U PM20 COL R
2F77	319803521040	CER2 0402 X7R 16V 100N COL
2F78	319802741090	CER2 0603 X5R 6V3 10U COL R
2F79	319803521040	CER2 0402 X7R 16V 100N COL
2F80	319803521040	CER2 0402 X7R 16V 100N COL
2F81	319802741090	CER2 0603 X5R 6V3 10U COL R
2F82	319802741090	CER2 0603 X5R 6V3 10U COL R
2F86	319803521040	CER2 0402 X7R 16V 100N COL
2F86	319803571040	CER2 0402 Y5V 16V 100N COL
2F87	319802741090	CER2 0603 X5R 6V3 10U COL R
2F88	319802741090	CER2 0603 X5R 6V3 10U COL R
2F89	319803022210	ELCAP SM 6V3 220U PM20 COL R
2F90	319803022210	ELCAP SM 6V3 220U PM20 COL R
2F94	319802741090	CER2 0603 X5R 6V3 10U COL R
2F95	319802741090	CER2 0603 X5R 6V3 10U COL R
3114	319803101080	RST SM 0402 1R PM5 COL
3116	232270672201	RST SM 0402 RC32 220R PM1 R

Item	Philips 12NC	Description
3117	232270682402	RST SM 0402 RC32 2K4 PM1 R
3118	232270671002	RST SM 0402 RC32 1K PM1 R
3119	319803101080	RST SM 0402 1R PM5 COL
3120	319803101080	RST SM 0402 1R PM5 COL
3121	232270672201	RST SM 0402 RC32 220R PM1 R
3122	232270671502	RST SM 0402 RC32 1K5 PM1 R
3126	232270671802	RST SM 0402 RC32 1K8 PM1 R
3127	232270673901	RST SM 0402 RC32 390R PM1 R
3128	232270671202	RST SM 0402 RC32 1K2 PM1 R
3129	319802131090	RST SM 0603 10R PM5 COL
3130	319802131090	RST SM 0603 10R PM5 COL
3131	319803101080	RST SM 0402 1R PM5 COL
3132	319803101080	RST SM 0402 1R PM5 COL
3133	232270674702	RST SM 0402 RC32 4K7 PM1 R
3134	232270684702	RST SM 0402 RC32 4K7 PM1 R
3135	232270671502	RST SM 0402 RC32 1K5 PM1 R
3136	319802131090	RST SM 0603 10R PM5 COL
3137	232270671802	RST SM 0402 RC32 1K8 PM1 R
3138	319802131090	RST SM 0603 10R PM5 COL
3200	319803103310	RST SM 0402 330R PM5 COL
3203	319803102210	RST SM 0402 220R PM5 COL
3204	319803101010	RST SM 0402 100R PM5 COL
3205	319803101010	RST SM 0402 100R PM5 COL
3206	319803102210	RST SM 0402 220R PM5 COL
3207	319803104720	RST SM 0402 4K7 PM5 COL
3208	319803104720	RST SM 0402 4K7 PM5 COL
3209	319803104720	RST SM 0402 4K7 PM5 COL
3210	319803101010	RST SM 0402 100R PM5 COL
3211	319803101010	RST SM 0402 100R PM5 COL
3212	319803104790	RST SM 0402 47R PM5 COL
3213	319803105620	RST SM 0402 5K6 PM5 COL
3220	319803190010	RST SM 0402 JUMP. 0R05 COL
3221	319803190010	RST SM 0402 JUMP. 0R05 COL
3223	232276260479	RST SM 2512 PRC221 47R PM5 R
3224	232276260479	RST SM 2512 PRC221 47R PM5 R
3226	319803102210	RST SM 0402 220R PM5 COL
3227	319803102210	RST SM 0402 220R PM5 COL
3311▲	212010894133	RST SM FUSE 1206 10R PM5 R
3312▲	212010894133	RST SM FUSE 1206 10R PM5 R
3314	319803102210	RST SM 0402 220R PM5 COL
3315	319803102210	RST SM 0402 220R PM5 COL
3316	319803102240	RST SM 0402 220K PM5 COL
3317	319803102240	RST SM 0402 220K PM5 COL
3320	232276260229	RST SM 2512 PRC221 22R PM5 R
3321	319803101020	RST SM 0402 1K PM5 COL
3322	319803104730	RST SM 0402 47K PM5 COL
3323	319803104720	RST SM 0402 4K7 PM5 COL
3324	319803101820	RST SM 0402 1K8 PM5 COL
3325	319803104720	RST SM 0402 4K7 PM5 COL
3327	319803101020	RST SM 0402 1K PM5 COL
3328	319802131090	RST SM 0603 10R PM5 COL
3335	319803101030	RST SM 0402 10K PM5 COL
3337	319803104730	RST SM 0402 47K PM5 COL
3338	319803101230	RST SM 0402 12K PM5 COL
3339	319803101030	RST SM 0402 10K PM5 COL
3340	319803101030	RST SM 0402 10K PM5 COL
3341	319803101020	RST SM 0402 1K PM5 COL
3342	319803101230	RST SM 0402 12K PM5 COL
3343	319803101030	RST SM 0402 10K PM5 COL
3344	319803104720	RST SM 0402 4K7 PM5 COL
3345	319803103930	RST SM 0402 39K PM5 COL
3346	319803104720	RST SM 0402 4K7 PM5 COL
3347	319802131090	RST SM 0603 10R PM5 COL

Item	Philips 12NC	Description
3348	319803190010	RST SM 0402 JUMP. 0R05 COL
3349	319803101030	RST SM 0402 10K PM5 COL
3350	319803101030	RST SM 0402 10K PM5 COL
3351	319802132240	RST SM 0603 220K PM5 COL
3352	319803102230	RST SM 0402 22K PM5 COL
3353	319802132240	RST SM 0603 220K PM5 COL
3354	232276260229	RST SM 2512 PRC221 22R PM5 R
3356	319803101020	RST SM 0402 1K PM5 COL
3357	319803101020	RST SM 0402 1K PM5 COL
3358	319803190010	RST SM 0402 JUMP. 0R05 COL
3359	319803190010	RST SM 0402 JUMP. 0R05 COL
3360	319803101030	RST SM 0402 10K PM5 COL
3361	319803104730	RST SM 0402 47K PM5 COL
3362	319803101030	RST SM 0402 10K PM5 COL
3363	319803104730	RST SM 0402 47K PM5 COL
3364	319803101030	RST SM 0402 10K PM5 COL
3365	319803101030	RST SM 0402 10K PM5 COL
3366	319803104730	RST SM 0402 47K PM5 COL
3367	319803101020	RST SM 0402 1K PM5 COL
3A10	319803104720	RST SM 0402 4K7 PM5 COL
3A11	319803101030	RST SM 0402 10K PM5 COL
3A12	319803101030	RST SM 0402 10K PM5 COL
3A15	319803101030	RST SM 0402 10K PM5 COL
3A16	319803101030	RST SM 0402 10K PM5 COL
3A18	319803101010	RST SM 0402 100R PM5 COL
3A19	319803101010	RST SM 0402 100R PM5 COL
3A20	319803101010	RST SM 0402 100R PM5 COL
3A21	319803101010	RST SM 0402 100R PM5 COL
3A22	319803101010	RST SM 0402 100R PM5 COL
3A23	319803101010	RST SM 0402 100R PM5 COL
3A24	319803101010	RST SM 0402 100R PM5 COL
3A25	319803101010	RST SM 0402 100R PM5 COL
3A26	319803101010	RST SM 0402 100R PM5 COL
3A27	319803101010	RST SM 0402 100R PM5 COL
3A28	319803101010	RST SM 0402 100R PM5 COL
3A29	319803101010	RST SM 0402 100R PM5 COL
3A30	319803104720	RST SM 0402 4K7 PM5 COL
3A31	319803104720	RST SM 0402 4K7 PM5 COL
3A32	319803101030	RST SM 0402 10K PM5 COL
3A33	319803101030	RST SM 0402 10K PM5 COL
3A34	319803101020	RST SM 0402 1K PM5 COL
3A35	319803101530	RST SM 0402 15K PM5 COL
3A36	319803101020	RST SM 0402 1K PM5 COL
3A37	319803101020	RST SM 0402 1K PM5 COL
3B10	232270671002	RST SM 0402 RC32 1K PM1 R
3B11	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B13	232270570629	RST SM 0402 RC31 62R PM5 R
3B14	232270671002	RST SM 0402 RC32 1K PM1 R
3B15	232270671002	RST SM 0402 RC32 1K PM1 R
3B16	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B17	232270671501	RST SM 0402 RC32 150R PM1 R
3B18	319803102220	RST SM 0402 2K2 PM5 COL
3B20	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B22	232270672701	RST SM 0402 RC32 270R PM1 R
3B23	319803102220	RST SM 0402 2K2 PM5 COL
3B24	232270570629	RST SM 0402 RC31 62R PM5 R
3C01	235003311103	RST NETW SM ARV34 4X 10K PM5 R
3C10	319803101030	RST SM 0402 10K PM5 COL
3C11	319803101030	RST SM 0402 10K PM5 COL
3C12	319803101030	RST SM 0402 10K PM5 COL
3C13	319803101030	RST SM 0402 10K PM5 COL
3C14	319803101010	RST SM 0402 100R PM5 COL
3C15	319803190010	RST SM 0402 JUMP. 0R05 COL

Item	Philips 12NC	Description
3C16	319803101010	RST SM 0402 100R PM5 COL
3C17	319803101010	RST SM 0402 100R PM5 COL
3C18	319803101030	RST SM 0402 10K PM5 COL
3C19	319803190010	RST SM 0402 JUMP. 0R05 COL
3C21	319803104720	RST SM 0402 4K7 PM5 COL
3C22	319803190010	RST SM 0402 JUMP. 0R05 COL
3C24	319803101010	RST SM 0402 100R PM5 COL
3C25	319803104720	RST SM 0402 4K7 PM5 COL
3C26	319803101030	RST SM 0402 10K PM5 COL
3C27	319803101010	RST SM 0402 100R PM5 COL
3C29	319803101010	RST SM 0402 100R PM5 COL
3C30	319803103390	RST SM 0402 33R PM5 COL
3C31	319803101030	RST SM 0402 10K PM5 COL
3C32	319803101030	RST SM 0402 10K PM5 COL
3C33	319803101030	RST SM 0402 10K PM5 COL
3C34	319803101030	RST SM 0402 10K PM5 COL
3C35	319803101010	RST SM 0402 100R PM5 COL
3C39	319803102290	RST SM 0402 22R PM5 COL
3C40	319803102290	RST SM 0402 22R PM5 COL
3C42	319803190010	RST SM 0402 JUMP. 0R05 COL
3C44	319803101020	RST SM 0402 1K PM5 COL
3C45	319803101020	RST SM 0402 1K PM5 COL
3C46	319803101030	RST SM 0402 10K PM5 COL
3C50	319803104720	RST SM 0402 4K7 PM5 COL
3C51	319803104720	RST SM 0402 4K7 PM5 COL
3C52	319803101010	RST SM 0402 100R PM5 COL
3C55	319803101010	RST SM 0402 100R PM5 COL
3C56	319803190010	RST SM 0402 JUMP. 0R05 COL
3C57	319803104720	RST SM 0402 4K7 PM5 COL
3C58	319803104720	RST SM 0402 4K7 PM5 COL
3C59	319803190010	RST SM 0402 JUMP. 0R05 COL
3C60	319803104720	RST SM 0402 4K7 PM5 COL
3C61	319803104720	RST SM 0402 4K7 PM5 COL
3C62	319803104720	RST SM 0402 4K7 PM5 COL
3C63	319803104720	RST SM 0402 4K7 PM5 COL
3C64	319803190010	RST SM 0402 JUMP. 0R05 COL
3C65	319803106810	RST SM 0402 680R PM5 COL
3C66	319803104720	RST SM 0402 4K7 PM5 COL
3C67	319803101020	RST SM 0402 1K PM5 COL
3C68	319803101030	RST SM 0402 10K PM5 COL
3C69	319803101010	RST SM 0402 100R PM5 COL
3C70	319803101030	RST SM 0402 10K PM5 COL
3C72	319803104720	RST SM 0402 4K7 PM5 COL
3C73	319803104720	RST SM 0402 4K7 PM5 COL
3C74	319803101040	RST SM 0402 100K PM5 COL
3C75	319803104720	RST SM 0402 4K7 PM5 COL
3C76	319803104720	RST SM 0402 4K7 PM5 COL
3C77	319803103390	RST SM 0402 33R PM5 COL
3C78	319803103390	RST SM 0402 33R PM5 COL
3C79	319803103390	RST SM 0402 33R PM5 COL
3C81	319803101030	RST SM 0402 10K PM5 COL
3C82	319803101030	RST SM 0402 10K PM5 COL
3C83	319803101030	RST SM 0402 10K PM5 COL
3C84	319803104720	RST SM 0402 4K7 PM5 COL
3C85	319803104720	RST SM 0402 4K7 PM5 COL
3C88	319803104720	RST SM 0402 4K7 PM5 COL
3C89	319803104720	RST SM 0402 4K7 PM5 COL
3C90	319803101010	RST SM 0402 100R PM5 COL
3C91	319803101010	RST SM 0402 100R PM5 COL
3C92	319803190010	RST SM 0402 JUMP. 0R05 COL
3C93	319803101080	RST SM 0402 1R PM5 COL
3C94	319803190010	RST SM 0402 JUMP. 0R05 COL
3C95	319803101080	RST SM 0402 1R PM5 COL

Item	Philips 12NC	Description
3C96	319803104720	RST SM 0402 4K7 PM5 COL
3C97	319803102290	RST SM 0402 22R PM5 COL
3D10	319803101020	RST SM 0402 1K PM5 COL
3D11	319803104730	RST SM 0402 47K PM5 COL
3D12	319803104790	RST SM 0402 47R PM5 COL
3D13	319803104730	RST SM 0402 47K PM5 COL
3D14	319803190010	RST SM 0402 JUMP. 0R05 COL
3D18	319803101010	RST SM 0402 100R PM5 COL
3E10	319803102220	RST SM 0402 2K2 PM5 COL
3E11	319803101010	RST SM 0402 100R PM5 COL
3E12	319803101010	RST SM 0402 100R PM5 COL
3E13	319803102220	RST SM 0402 2K2 PM5 COL
3E14	319803101030	RST SM 0402 10K PM5 COL
3E15	319803101030	RST SM 0402 10K PM5 COL
3E16	319803103390	RST SM 0402 33R PM5 COL
3E17	319803103320	RST SM 0402 3K3 PM5 COL
3E18	319803103320	RST SM 0402 3K3 PM5 COL
3E23	319803101030	RST SM 0402 10K PM5 COL
3E24	319803101020	RST SM 0402 1K PM5 COL
3E25	319803101030	RST SM 0402 10K PM5 COL
3E26	212211807475	RST SM 0402 RC0402 2K PM1 R
3E27	212211807475	RST SM 0402 RC0402 2K PM1 R
3E28	319803104730	RST SM 0402 47K PM5 COL
3E29	319803101030	RST SM 0402 10K PM5 COL
3E30	319803104730	RST SM 0402 47K PM5 COL
3E31	319803101010	RST SM 0402 100R PM5 COL
3E32	319803101010	RST SM 0402 100R PM5 COL
3E33	319803104730	RST SM 0402 47K PM5 COL
3E34	319803104730	RST SM 0402 47K PM5 COL
3E35	319803102220	RST SM 0402 2K2 PM5 COL
3E36	319803101030	RST SM 0402 10K PM5 COL
3E37	319803104730	RST SM 0402 47K PM5 COL
3E38	319803101010	RST SM 0402 100R PM5 COL
3E39	319803101030	RST SM 0402 10K PM5 COL
3E40	319803104730	RST SM 0402 47K PM5 COL
3E41	319803104730	RST SM 0402 47K PM5 COL
3E42	319803104730	RST SM 0402 47K PM5 COL
3E43	319803101020	RST SM 0402 1K PM5 COL
3E44	319803101020	RST SM 0402 1K PM5 COL
3E45	319803101030	RST SM 0402 10K PM5 COL
3E46	319803101020	RST SM 0402 1K PM5 COL
3E47	319803101020	RST SM 0402 1K PM5 COL
3E48	319803102220	RST SM 0402 2K2 PM5 COL
3E49	319803101010	RST SM 0402 100R PM5 COL
3E50	232270678204	RST SM 0402 RC32 820K PM1 R
3E51	319803102730	RST SM 0402 27K PM5 COL
3E52	319803101080	RST SM 0402 1R PM5 COL
3E53	319803104720	RST SM 0402 4K7 PM5 COL
3E54	319803101080	RST SM 0402 1R PM5 COL
3E55	319803102220	RST SM 0402 2K2 PM5 COL
3E56	319803102220	RST SM 0402 2K2 PM5 COL
3E57	319803102220	RST SM 0402 2K2 PM5 COL
3E58	319803102220	RST SM 0402 2K2 PM5 COL
3E59	319803101030	RST SM 0402 10K PM5 COL
3E60	319803101030	RST SM 0402 10K PM5 COL
3E61	319803190010	RST SM 0402 JUMP. 0R05 COL
3F10	232270673003	RST SM 0402 RC32 30K PM1 R
3F11	232270673003	RST SM 0402 RC32 30K PM1 R
3F12	232270673003	RST SM 0402 RC32 30K PM1 R
3F13	319803190010	RST SM 0402 JUMP. 0R05 COL
3F14	232270673003	RST SM 0402 RC32 30K PM1 R
3F15	319803190010	RST SM 0402 JUMP. 0R05 COL
3F16	319803190010	RST SM 0402 JUMP. 0R05 COL

Item	Philips 12NC	Description
3F17	319803190010	RST SM 0402 JUMP. 0R05 COL
3F18	232270677509	RST SM 0402 RC32 75R PM1 R
3F19	232270677509	RST SM 0402 RC32 75R PM1 R
3F21	232270677509	RST SM 0402 RC32 75R PM1 R
3F22	232270677509	RST SM 0402 RC32 75R PM1 R
3F24	319803190010	RST SM 0402 JUMP. 0R05 COL
3F25	319803190010	RST SM 0402 JUMP. 0R05 COL
3F26	232270677509	RST SM 0402 RC32 75R PM1 R
3F27	319803190010	RST SM 0402 JUMP. 0R05 COL
3F28	232270677509	RST SM 0402 RC32 75R PM1 R
3F29	319803190010	RST SM 0402 JUMP. 0R05 COL
3F30	232270677509	RST SM 0402 RC32 75R PM1 R
3F31	232270677509	RST SM 0402 RC32 75R PM1 R
3F32	232270677509	RST SM 0402 RC32 75R PM1 R
3F35	232270677509	RST SM 0402 RC32 75R PM1 R
3F36	232270673003	RST SM 0402 RC32 30K PM1 R
3F37	232270673003	RST SM 0402 RC32 30K PM1 R
3F38	232270673003	RST SM 0402 RC32 30K PM1 R
3F39	232270673003	RST SM 0402 RC32 30K PM1 R
3F40	232270677509	RST SM 0402 RC32 75R PM1 R
3F41	319803190010	RST SM 0402 JUMP. 0R05 COL
3F42	232270677509	RST SM 0402 RC32 75R PM1 R
3F43	319803190010	RST SM 0402 JUMP. 0R05 COL
3F44	319803101010	RST SM 0402 100R PM5 COL
3F45	232270673003	RST SM 0402 RC32 30K PM1 R
3F46	232270673003	RST SM 0402 RC32 30K PM1 R
3F47	319803101010	RST SM 0402 100R PM5 COL
3F48	319803101010	RST SM 0402 100R PM5 COL
3F49	319803101010	RST SM 0402 100R PM5 COL
3F50	319803101010	RST SM 0402 100R PM5 COL
3F51	232270570241	RST SM 0402 RC31 240R PM5 R
3F52	319803101010	RST SM 0402 100R PM5 COL
3F53	319803101010	RST SM 0402 100R PM5 COL
3F54	319803190010	RST SM 0402 JUMP. 0R05 COL
3F55	319803101010	RST SM 0402 100R PM5 COL
3F56	319803106890	RST SM 0402 68R PM5 COL
3F57	319803101010	RST SM 0402 100R PM5 COL
3F58	319803106890	RST SM 0402 68R PM5 COL
3F59	319803101010	RST SM 0402 100R PM5 COL
3F60	319803106890	RST SM 0402 68R PM5 COL
3F61	319803190010	RST SM 0402 JUMP. 0R05 COL
3F62	319803106890	RST SM 0402 68R PM5 COL
3F63	319803101010	RST SM 0402 100R PM5 COL
3F64	319803106890	RST SM 0402 68R PM5 COL
3F65	319803101010	RST SM 0402 100R PM5 COL
3F66	319803106890	RST SM 0402 68R PM5 COL
3F68	319803105610	RST SM 0402 560R PM5 COL
3F71	319803190010	RST SM 0402 JUMP. 0R05 COL
3F72	319803101010	RST SM 0402 100R PM5 COL
3F74	319803101010	RST SM 0402 100R PM5 COL
3F75	319803190010	RST SM 0402 JUMP. 0R05 COL
3F76	319803104710	RST SM 0402 470R PM5 COL
3F77	319803101080	RST SM 0402 1R PM5 COL
3F78	232270675102	RST SM 0402 RC32 5K1 PM1 R
3F79	319803101020	RST SM 0402 1K PM5 COL
3F82	319803104730	RST SM 0402 47K PM5 COL
3F83	319803104710	RST SM 0402 470R PM5 COL
3F84	319803101080	RST SM 0402 1R PM5 COL
3F85	319803103390	RST SM 0402 33R PM5 COL
3F86	319803103390	RST SM 0402 33R PM5 COL
3F87	319803104730	RST SM 0402 47K PM5 COL
3F88	319803101020	RST SM 0402 1K PM5 COL
3F89	319803101010	RST SM 0402 100R PM5 COL

Item	Philips 12NC	Description
3F91	319803190010	RST SM 0402 JUMP. 0R05 COL
3F92	319803190010	RST SM 0402 JUMP. 0R05 COL
3F93	319803104710	RST SM 0402 470R PM5 COL
3F94	319803104710	RST SM 0402 470R PM5 COL
4203	319803190010	RST SM 0402 JUMP. 0R05 COL
4204	319803190010	RST SM 0402 JUMP. 0R05 COL
4207	319803190010	RST SM 0402 JUMP. 0R05 COL
4310	319803190010	RST SM 0402 JUMP. 0R05 COL
4D17	319803190010	RST SM 0402 JUMP. 0R05 COL
4D18	319803190010	RST SM 0402 JUMP. 0R05 COL
4D19	319803190010	RST SM 0402 JUMP. 0R05 COL
4D20	319803190010	RST SM 0402 JUMP. 0R05 COL
4D21	235003391001	RST NETW SM ARV341 4X JUMPER R
4D22	235003391001	RST NETW SM ARV341 4X JUMPER R
4D23	235003391001	RST NETW SM ARV341 4X JUMPER R
4D24	235003391001	RST NETW SM ARV341 4X JUMPER R
4D25	235003391001	RST NETW SM ARV341 4X JUMPER R
4D26	235003391001	RST NETW SM ARV341 4X JUMPER R
4F01	319803190010	RST SM 0402 JUMP. 0R05 COL
4F02	319803190010	RST SM 0402 JUMP. 0R05 COL
5112	242253601849	IND FXD SM NR8040 2U PM30 R
5113	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5114	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5115	242253601634	IND FXD SM NR6045 10U PM20 R
5116	242253601567	IND FXD SM NR8040 10U PM20 R
5117	242253601567	IND FXD SM NR8040 10U PM20 R
5118	242253601567	IND FXD SM NR8040 10U PM20 R
5119	242253601567	IND FXD SM NR8040 10U PM20 R
5201	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5202	242253601514	IND FXD SM 0603 0U56 PM5 R
5203	242253601386	IND FXD SM NR4018 10U PM20 R
5204	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5205	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5206	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5207	242253601057	IND FXD SM 0603 0U39 PM5 R
5208	242253601057	IND FXD SM 0603 0U39 PM5 R
5209	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5310	242253601564	IND FXD SM NR8040 22U PM20 R
5311	242253601564	IND FXD SM NR8040 22U PM20 R
5314	242253601564	IND FXD SM NR8040 22U PM20 R
5315	242253601564	IND FXD SM NR8040 22U PM20 R
5316	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5317	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5318	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5319	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5320	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5321	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5A10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A11	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A12	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A13	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A16	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A17	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A18	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A19	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A20	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5B11	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B12	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B13	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5C10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C12	242254943276	IND FXD 0603 EMI 100MHZ 30R R

Item	Philips 12NC	Description
5C13	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5D12	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D14	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D15	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D16	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D17	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D18	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D19	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5E10	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5F13	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F15	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F17	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F19	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F21	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F23	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F24	242254943276	IND FXD 0603 EMI 100MHZ 30R R
6110	932208282668	DIO REC SM SS34-E3 (VISH) R
6110	932226312668	DIO REC SM SS34 (TASE) R
6111	932208282668	DIO REC SM SS34-E3 (VISH) R
6111	932226312668	DIO REC SM SS34 (TASE) R
6112	932208282668	DIO REC SM SS34-E3 (VISH) R
6112	932226312668	DIO REC SM SS34 (TASE) R
6113	932208282668	DIO REC SM SS34-E3 (VISH) R
6113	932226312668	DIO REC SM SS34 (TASE) R
6310	933976370215	DIO SIG SM BAT54C (PHSE) R
6312	319801010630	DIO SIG SM BAS316 (COL) R
6313	933976370215	DIO SIG SM BAT54C (PHSE) R
6A10	319802053380	DIO REG SM BZX384-C3V3 COL R
6A11	319802058280	DIO REG SM BZX384-C8V2 COL R
6C10	319801010630	DIO SIG SM BAS316 (COL) R
6C12	319802056880	DIO REG SM BZX384-C6V8 COL R
6C13	319802056880	DIO REG SM BZX384-C6V8 COL R
6C14	319801010630	DIO SIG SM BAS316 (COL) R
6D10	319802056880	DIO REG SM BZX384-C6V8 COL R
6D11	932213446685	LED VS SM SML-310MT (RHM0) R
6E13	934057248315	DIO SIG SM BAT54L (PHSE) R
6E16	319801010630	DIO SIG SM BAS316 (COL) R
6F01	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F02	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F03	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F04	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F05	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F06	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F07	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F08	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F09	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F10	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F11	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F12	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F13	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F14	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F15	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F16	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F17	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F18	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F19	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F20	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F21	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F22	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F25	319802056880	DIO REG SM BZX384-C6V8 COL R
6F26	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R

Item	Philips 12NC	Description
6F27	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R
6F29	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F30	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F31	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
7101	932225820668	IC SM ST1S10PH (ST00) R
7115	932219811685	IC SM L78L08ACU (ST00) R
7116	932225540668	IC SM TPS54386PWP (TI00) R
7117	932225540668	IC SM TPS54386PWP (TI00) R
7200	319801042310	TRA SIG SM BC847BW (COL) R
7201	935286706118	IC SM TDA9886T/V5 (NXP0) R
7201	935286711118	IC SM TDA9885T/V5 (NXP0) R
7202	932210447668	IC SM L78M05CDT (ST00) R
7301	934042510115	TRA SIG SM BC857BS (PHSE) R
7303	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7304	935283479518	IC SM TDA8932BTW/N2 (NXP0) R
7306	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7307	319801042320	TRA SIG SM BC857BW (COL) R
7308	319801042310	TRA SIG SM BC847BW (COL) R
7309	934042520135	TRA SIG SM BC847BS (PHSE) R
7311	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7312	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7313	933946360215	FET POW SM BSS84 (PHSE) R
7314	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7315	934042510115	TRA SIG SM BC857BS (PHSE) R
7316	319801042320	TRA SIG SM BC857BW (COL) R
7317	319801042320	TRA SIG SM BC857BW (COL) R
7701	932226683671	IC SM MT5392PVMJ (MEDI) Y
7A10	319801042310	TRA SIG SM BC847BW (COL) R
7A11	934042520115	TRA SIG SM BC847BS (PHSE) R
7B02	932226254668	IC SM HYB18H1G321AF-11 (QIMO)R
7C04	932223182668	IC SM M24C64-RDW6P (ST00) R
7C05	319801042310	TRA SIG SM BC847BW (COL) R
7C06	319801042310	TRA SIG SM BC847BW (COL) R
7C07	319801042310	TRA SIG SM BC847BW (COL) R
7C08	932222773685	IC SM BD45292G (RHM0) R
7C11	932222588668	IC SM M25P64-VMF6TP (ST00) R
7D02	932226569668	FET POW SM SI4835DDY-E3(VISH)R
7D03	319801044110	TRA SIG SM PDTC114ET (COL) R
7E01	932220624668	IC SM M24C02-WMN6P (ST00) R
7E02	932226535671	IC SM ADV3002BSTZ (ANA0) Y
7E03	319801042310	TRA SIG SM BC847BW (COL) R
7E05	319801042310	TRA SIG SM BC847BW (COL) R
7E06	319801042310	TRA SIG SM BC847BW (COL) R
7E10	319801042310	TRA SIG SM BC847BW (COL) R
7E14	319801042310	TRA SIG SM BC847BW (COL) R
7F01	932224227668	IC SM TPS2041BD (TI00) R
7F03	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7F04	932225872685	TRA SIG SM 2SD2653K (RHM0) R

PARTS LIST


[42PFL6704D/F7 (Serial No. : YA1B***)]**

Difference parts from the original model [42PFL6704D/F7 (Serial No. : YA1A*****)]

Item	Philips 12NC	Description
PCB Assembly		
1150	A9PH4D1G-001	AS SSB NA2k9M + LR out

PARTS LIST

[47PFL6704D/F7 (Serial No. : YA1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

Item	Philips 12NC	Description
Mechanical Parts		
0004	313918767051	AS FCAB 47 FRAME NAFTA 6000
0012	313912477201	BC 47" NAL FRAME NAFTA
0015	313918766591	AS FLARE 47 FRAME NA
0018	313912477761	LEADING EDGE COVER 47 FRAME AP
0021	313912476991	SIDE IO BRACKET FRAME-NAFTA
0179	313912476691	LIGHT GUIDE (FRAME)
0259	313913870951	SCREW BAG STAND FRAME
0260	313918766022	AS STAND FRAME 47/52
5211	242226400709	LSP ASSY 6R 10W BOX1123G-L B
5212	242226400711	LSP ASSY 6R 10W BOX1123G-R B
Packing Parts		
0101	313912541321	ADDENDUM FRAME
0124	312212422789	BAG
0124	313501300261	PE-BAG
0125	313912540861	DFU NAFTA 2K9 120Hz
0127	313912540563	FCC Addendum
0136	313912567391	ME8 Child Safety Guide
0687	312123349281	White Label w/o Ribbon
Accessory		
1082	908210090001	R03-B500/01S - Battery
1085	242254902349	REMOTE CONTR YKF255-002 B
8195	242207000106	MAINSCORD UL 7A 1M5 DET 2P B
Miscellanea		
8101	313917100541	CBLE HL 11P/480/11P HL 24ST BK
8102	313917100551	CBLE HL 8P/480/8P HL 26ST BK
8301	313917103421	CBLE HL 4P/340+680/2X2FT FER
8401	313917103171	CBLE PA 2P3/280/2P3 24ST INS
8402	313917103101	CBLE PA 2P3/1000/2P3 24ST INS
8408	310431106951	CBLE VH 2P3/180/INLET INS UL
8C02	313917103491	CBLE HL 8P/480/8P9 HL 28ST Ins
8D02	313917103161	CBLE FX15 41P/400/41P FI-R FER
8D03	313917101481	CBLE FI-R 51P/400/51P FI-R FER
LCD Panel		
1004	932226688682	TFT-LCD LC470WUF-SBN1 (LGPH) B
PCB Assembly		
1005	272217100696	POW SUPP MOD IPB 47 PLHC-T829A(44KHz)
1112	272217100775	MOD IR-LED-RD-WH YKJ2032-003 B
1114	272217100784	MOD CTRL KNOB SF2032-006 B
1150	313926865382	AS SSB NA2k9M + LR out
PCB Assembly		
1150	313926865382	AS SSB NA2k9M + LR out
1203	242254290148	TUN V+U PLL F B

Item	Philips 12NC	Description
1204	242254944518	FIL SAW 45MHZ75 OFWM1971M L
1735	242202520678	CON V 4P M 2.00 1735446 B
1736	242202520677	CON V 3P M 2.00 1735446 B
1C01	242202605905	SOC PHONE V 1P F 3.5 ST MSJ Y
1D04	242254945325	FIL CM SM 50V 100MHZ 67R R
1D05	242254945325	FIL CM SM 50V 100MHZ 67R R
1D06	242254945325	FIL CM SM 50V 100MHZ 67R R
1D07	242254945325	FIL CM SM 50V 100MHZ 67R R
1D08	242254945325	FIL CM SM 50V 100MHZ 67R R
1D09	242254945325	FIL CM SM 50V 100MHZ 67R R
1D11	242254945325	FIL CM SM 50V 100MHZ 67R R
1D13	242254945325	FIL CM SM 50V 100MHZ 67R R
1D15	242254945325	FIL CM SM 50V 100MHZ 67R R
1D16	242254945325	FIL CM SM 50V 100MHZ 67R R
1D17	242254945325	FIL CM SM 50V 100MHZ 67R R
1D18	242254945325	FIL CM SM 50V 100MHZ 67R R
1D19	242254945325	FIL CM SM 50V 100MHZ 67R R
1D20	242254945325	FIL CM SM 50V 100MHZ 67R R
1D21	242254945325	FIL CM SM 50V 100MHZ 67R R
1D22	242254945325	FIL CM SM 50V 100MHZ 67R R
1D23	242254945325	FIL CM SM 50V 100MHZ 67R R
1D24	242254945325	FIL CM SM 50V 100MHZ 67R R
1D25	242254945325	FIL CM SM 50V 100MHZ 67R R
1D26	242254945325	FIL CM SM 50V 100MHZ 67R R
1D38	242254945325	FIL CM SM 50V 100MHZ 67R R
1D39	242254945325	FIL CM SM 50V 100MHZ 67R R
1D40	242254945325	FIL CM SM 50V 100MHZ 67R R
1D41	242254945325	FIL CM SM 50V 100MHZ 67R R
1E01	242203300698	SOC HDMI V 19P F SM DC1 R
1E02	242203300698	SOC HDMI V 19P F SM DC1 R
1E03	242203300698	SOC HDMI V 19P F SM DC1 R
1E04	242203300715	SOC HDMI H 19P F SM 47266 R
1E07	242254301676	RES XTL SM 27MHZ 18P NX5032 R
1F01	242202606009	SOC CINCH V 5P F 1L5 Y
1F02	242202606009	SOC CINCH V 5P F 1L5 Y
1F03	242202605702	SOC MDIN V 4P F MDC-066H-A Y
1F04	242202606017	SOC CINCH V 3P F 1L3 YEWHRD Y
1F05	242202606087	SOC CINCH V 3P F 1L3 BKWHRD Y
1F06	242202605703	SOC PHONE H 1P F 3.5 ST MSJ Y
1F07	242202605959	SOC MDIN H 4P F MDC-013V1 Y
1F08	242202605952	SOC CINCH H 3P F 1L3 YEWHRD Y
1F10	242203300486	SOC USB H 4P F 2/2.5 292303 B
1F14	242202606027	SOC CINCH V 1P F 1L1 WH Y
1F15	242202606088	SOC CINCH V 1P F 1L1 RD Y
1G50	242202520715	CON H 41P F 0.50 SM FX15S R
1G51	242202520117	CON H 51P F 0.5 SM FI-RE R
1M20	242202520684	CON V 9P M 2.00 1735446 B
1M95	242202520686	CON V 11P M 2.00 1735446 B
1M99	242202520683	CON V 8P M 2.00 1735446 B
2119	319803512230	CER2 0402 X7R 25V 22N COL
2120	319803512230	CER2 0402 X7R 25V 22N COL
2121	319803512230	CER2 0402 X7R 25V 22N COL
2122	319803512230	CER2 0402 X7R 25V 22N COL
2123	319803514720	CER2 0402 X7R 25V 4N7 COL
2124	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2125	319802721090	CER2 0805 X5R 16V 10U COL R
2126	319802721090	CER2 0805 X5R 16V 10U COL R
2127	319802721090	CER2 0805 X5R 16V 10U COL R

Item	Philips 12NC	Description
2128	319802702290	CER2 0805 X5R 6V3 22U COL R
2129	319802702290	CER2 0805 X5R 6V3 22U COL R
2130	319802702290	CER2 0805 X5R 6V3 22U COL R
2131	319802702290	CER2 0805 X5R 6V3 22U COL R
2132	319803521040	CER2 0402 X7R 16V 100N COL
2133	319803512230	CER2 0402 X7R 25V 22N COL
2134	319803512230	CER2 0402 X7R 25V 22N COL
2135	319803512230	CER2 0402 X7R 25V 22N COL
2136	319803512230	CER2 0402 X7R 25V 22N COL
2137	319803512230	CER2 0402 X7R 25V 22N COL
2138	319803041010	ELCAP SM 16V 100U PM20 COL R
2139	319802721090	CER2 0805 X5R 16V 10U COL R
2140	319802771080	CER2 0603 X5R 25V 1U COL R
2141	319803521040	CER2 0402 X7R 16V 100N COL
2142	319802721090	CER2 0805 X5R 16V 10U COL R
2143	319803523330	CER2 0402 X7R 16V 33N COL
2144	319803523330	CER2 0402 X7R 16V 33N COL
2148	319801734710	CER2 0603 X7R 50V 470P COL
2149	319801734710	CER2 0603 X7R 50V 470P COL
2154	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2155	319802754780	CER2 0603 X5R 10V 4U7 COL R
2158	319802711090	CER2 0805 X5R 10V 10U COL R
2159	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2160	319802711090	CER2 0805 X5R 10V 10U COL R
2162	319802721090	CER2 0805 X5R 16V 10U COL R
2163	319802721090	CER2 0805 X5R 16V 10U COL R
2164	319803523330	CER2 0402 X7R 16V 33N COL
2165	319803523330	CER2 0402 X7R 16V 33N COL
2168	319801734710	CER2 0603 X7R 50V 470P COL
2169	319801734710	CER2 0603 X7R 50V 470P COL
2170	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2171	202203100347	ELCAP SM OCV 6V3 100U PM20 R
2172	319802754780	CER2 0603 X5R 10V 4U7 COL R
2174	319802711090	CER2 0805 X5R 10V 10U COL R
2176	319802711090	CER2 0805 X5R 10V 10U COL R
2200	319803501520	CER2 0402 X7R 50V 1N5 COL
2201	223878615654	CER2 0603 X7R 16V 220N PM10 R
2203	319803521030	CER2 0402 X7R 16V 10N COL
2204	319803521040	CER2 0402 X7R 16V 100N COL
2205	319803501020	CER2 0402 X7R 50V 1N COL
2208	319803501020	CER2 0402 X7R 50V 1N COL
2209	319803521030	CER2 0402 X7R 16V 10N COL
2212	319803402290	CER1 0402 NP0 50V 22P COL
2213	319803402290	CER1 0402 NP0 50V 22P COL
2214	319803521030	CER2 0402 X7R 16V 10N COL
2215	319803521030	CER2 0402 X7R 16V 10N COL
2216	319802771080	CER2 0603 X5R 25V 1U COL R
2217	319803521040	CER2 0402 X7R 16V 100N COL
2218	202055200247	CER2 0603 X5R 25V 470N PM10 R
2219	319802741090	CER2 0603 X5R 6V3 10U COL R
2220	319803521040	CER2 0402 X7R 16V 100N COL
2223	319803521040	CER2 0402 X7R 16V 100N COL
2224	319803521030	CER2 0402 X7R 16V 10N COL
2225	319803403910	CER1 0402 NP0 50V 390P COL
2226	319803521030	CER2 0402 X7R 16V 10N COL
2227	319803521030	CER2 0402 X7R 16V 10N COL
2230	319803404790	CER1 0402 NP0 50V 47P COL
2233	319803512230	CER2 0402 X7R 25V 22N COL
2235	319803401010	CER1 0402 NP0 50V 100P COL
2236	319803403390	CER1 0402 NP0 50V 33P COL
2237	319803403390	CER1 0402 NP0 50V 33P COL
2238	319803501020	CER2 0402 X7R 50V 1N COL
2239	319803501020	CER2 0402 X7R 50V 1N COL

Item	Philips 12NC	Description
2240	319803404790	CER1 0402 NP0 50V 47P COL
2312	319803521040	CER2 0402 X7R 16V 100N COL
2313	319803521040	CER2 0402 X7R 16V 100N COL
2316	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2317	319804132210	ELCAP SM 25V 220U 105 PM20 COL
2320	319803521030	CER2 0402 X7R 16V 10N COL
2321	319803521030	CER2 0402 X7R 16V 10N COL
2324	223878615654	CER2 0603 X7R 16V 220N PM10 R
2326	202001200028	ELCAP SM SEV 16V 470U PM20 R
2327	223878615654	CER2 0603 X7R 16V 220N PM10 R
2328	319803521040	CER2 0402 X7R 16V 100N COL
2329	319803521040	CER2 0402 X7R 16V 100N COL
2330	202055200247	CER2 0603 X5R 25V 470N PM10 R
2332	319802771080	CER2 0603 X5R 25V 1U COL R
2334	319803501020	CER2 0402 X7R 50V 1N COL
2335	319803502210	CER2 0402 X7R 50V 220P COL
2336	319802771080	CER2 0603 X5R 25V 1U COL R
2337	319802771080	CER2 0603 X5R 25V 1U COL R
2338	319803501020	CER2 0402 X7R 50V 1N COL
2339	319803502210	CER2 0402 X7R 50V 220P COL
2340	319803501020	CER2 0402 X7R 50V 1N COL
2341	319802771080	CER2 0603 X5R 25V 1U COL R
2342	202055200247	CER2 0603 X5R 25V 470N PM10 R
2344	319803521040	CER2 0402 X7R 16V 100N COL
2346	319803501530	CER2 0402 X7R 50V 15N COL
2347	319802771080	CER2 0603 X5R 25V 1U COL R
2348	319803501530	CER2 0402 X7R 50V 15N COL
2349	223878615654	CER2 0603 X7R 16V 220N PM10 R
2350	319803521040	CER2 0402 X7R 16V 100N COL
2351	319803521040	CER2 0402 X7R 16V 100N COL
2352	319803501020	CER2 0402 X7R 50V 1N COL
2353	223878615654	CER2 0603 X7R 16V 220N PM10 R
2354	202055200247	CER2 0603 X5R 25V 470N PM10 R
2355	319803501020	CER2 0402 X7R 50V 1N COL
2356	319803501020	CER2 0402 X7R 50V 1N COL
2357	319803501020	CER2 0402 X7R 50V 1N COL
2358	319802771080	CER2 0603 X5R 25V 1U COL R
2360	319803521040	CER2 0402 X7R 16V 100N COL
2361	319803521040	CER2 0402 X7R 16V 100N COL
2362	319803512230	CER2 0402 X7R 25V 22N COL
2363	319803521040	CER2 0402 X7R 16V 100N COL
2A01	319802754780	CER2 0603 X5R 10V 4U7 COL R
2A02	319803521040	CER2 0402 X7R 16V 100N COL
2A03	319803521040	CER2 0402 X7R 16V 100N COL
2A10	319803521040	CER2 0402 X7R 16V 100N COL
2A11	319803521040	CER2 0402 X7R 16V 100N COL
2A12	319803521040	CER2 0402 X7R 16V 100N COL
2A13	319803521040	CER2 0402 X7R 16V 100N COL
2A14	319803521040	CER2 0402 X7R 16V 100N COL
2A15	319803521040	CER2 0402 X7R 16V 100N COL
2A16	319803521040	CER2 0402 X7R 16V 100N COL
2A17	319803521040	CER2 0402 X7R 16V 100N COL
2A18	319803521040	CER2 0402 X7R 16V 100N COL
2A19	319803521040	CER2 0402 X7R 16V 100N COL
2A1A	319802781080	CER2 0402 X5R 6V3 1U COL
2A1B	319803521040	CER2 0402 X7R 16V 100N COL
2A1C	319802781080	CER2 0402 X5R 6V3 1U COL
2A1D	319803521040	CER2 0402 X7R 16V 100N COL
2A1F	319802781080	CER2 0402 X5R 6V3 1U COL
2A1G	319803521040	CER2 0402 X7R 16V 100N COL
2A1H	319802754780	CER2 0603 X5R 10V 4U7 COL R
2A1J	319803521040	CER2 0402 X7R 16V 100N COL
2A1K	319802771080	CER2 0603 X5R 25V 1U COL R

Item	Philips 12NC	Description
2B53	319803521040	CER2 0402 X7R 16V 100N COL
2B54	319803521040	CER2 0402 X7R 16V 100N COL
2B55	319803521040	CER2 0402 X7R 16V 100N COL
2B56	319803521040	CER2 0402 X7R 16V 100N COL
2B57	319803521040	CER2 0402 X7R 16V 100N COL
2B58	319803521040	CER2 0402 X7R 16V 100N COL
2B59	319803521040	CER2 0402 X7R 16V 100N COL
2B60	319803521040	CER2 0402 X7R 16V 100N COL
2B61	319803521040	CER2 0402 X7R 16V 100N COL
2B62	319803521040	CER2 0402 X7R 16V 100N COL
2B63	319803521040	CER2 0402 X7R 16V 100N COL
2B64	319803521040	CER2 0402 X7R 16V 100N COL
2B65	319803521040	CER2 0402 X7R 16V 100N COL
2B66	319803521040	CER2 0402 X7R 16V 100N COL
2C10	319803521040	CER2 0402 X7R 16V 100N COL
2C13	319803521040	CER2 0402 X7R 16V 100N COL
2C15	319803501020	CER2 0402 X7R 50V 1N COL
2C16	319803501020	CER2 0402 X7R 50V 1N COL
2C17	319803501020	CER2 0402 X7R 50V 1N COL
2C18	319803501020	CER2 0402 X7R 50V 1N COL
2C19	319803501020	CER2 0402 X7R 50V 1N COL
2C20	319803501020	CER2 0402 X7R 50V 1N COL
2C21	319803501020	CER2 0402 X7R 50V 1N COL
2C22	319803401090	CER1 0402 NP0 50V 10P COL
2C23	319803401090	CER1 0402 NP0 50V 10P COL
2C24	319802781080	CER2 0402 X5R 6V3 1U COL
2C28	319803521040	CER2 0402 X7R 16V 100N COL
2C31	319802754780	CER2 0603 X5R 10V 4U7 COL R
2C32	319802754780	CER2 0603 X5R 10V 4U7 COL R
2C33	319803404790	CER1 0402 NP0 50V 47P COL
2D16	319803401020	CER1 0402 NP0 50V 1N COL
2D18	319803521040	CER2 0402 X7R 16V 100N COL
2D19	319803041010	ELCAP SM 16V 100U PM20 COL R
2D22	319803521040	CER2 0402 X7R 16V 100N COL
2D23	319803041010	ELCAP SM 16V 100U PM20 COL R
2D24	319802771080	CER2 0603 X5R 25V 1U COL R
2D25	319803401020	CER1 0402 NP0 50V 1N COL
2E10	319803584740	CER2 0402 Y5V 10V 470N COL
2E12	319802781080	CER2 0402 X5R 6V3 1U COL
2E13	319803521040	CER2 0402 X7R 16V 100N COL
2E14	319803521030	CER2 0402 X7R 16V 10N COL
2E15	319803401020	CER1 0402 NP0 50V 1N COL
2E16	319802771080	CER2 0603 X5R 25V 1U COL R
2E17	319801741030	CER2 0603 Y5V 50V 10N COL
2E18	319803402790	CER1 0402 NP0 50V 27P COL
2E19	319803402790	CER1 0402 NP0 50V 27P COL
2F01	319802771080	CER2 0603 X5R 25V 1U COL R
2F02	319803521030	CER2 0402 X7R 16V 10N COL
2F03	319803521030	CER2 0402 X7R 16V 10N COL
2F06	319803521040	CER2 0402 X7R 16V 100N COL
2F07	319802741090	CER2 0603 X5R 6V3 10U COL R
2F10	319802741090	CER2 0603 X5R 6V3 10U COL R
2F11	319802741090	CER2 0603 X5R 6V3 10U COL R
2F12	319802741090	CER2 0603 X5R 6V3 10U COL R
2F13	319802741090	CER2 0603 X5R 6V3 10U COL R
2F14	319803501020	CER2 0402 X7R 50V 1N COL
2F15	319803501020	CER2 0402 X7R 50V 1N COL
2F16	319803501020	CER2 0402 X7R 50V 1N COL
2F17	319803501020	CER2 0402 X7R 50V 1N COL
2F18	319803404790	CER1 0402 NP0 50V 47P COL
2F19	319803404790	CER1 0402 NP0 50V 47P COL
2F22	319803404790	CER1 0402 NP0 50V 47P COL
2F23	319803404790	CER1 0402 NP0 50V 47P COL

Item	Philips 12NC	Description
2F26	319803402290	CER1 0402 NP0 50V 22P COL
2F27	319803402290	CER1 0402 NP0 50V 22P COL
2F28	319803402290	CER1 0402 NP0 50V 22P COL
2F29	319803404790	CER1 0402 NP0 50V 47P COL
2F30	319803404790	CER1 0402 NP0 50V 47P COL
2F33	319803402290	CER1 0402 NP0 50V 22P COL
2F34	319802741090	CER2 0603 X5R 6V3 10U COL R
2F35	319802741090	CER2 0603 X5R 6V3 10U COL R
2F36	319802741090	CER2 0603 X5R 6V3 10U COL R
2F37	319802741090	CER2 0603 X5R 6V3 10U COL R
2F38	319803501020	CER2 0402 X7R 50V 1N COL
2F39	319803501020	CER2 0402 X7R 50V 1N COL
2F40	319803501020	CER2 0402 X7R 50V 1N COL
2F41	319803501020	CER2 0402 X7R 50V 1N COL
2F42	319803402290	CER1 0402 NP0 50V 22P COL
2F43	319803402290	CER1 0402 NP0 50V 22P COL
2F44	319802741090	CER2 0603 X5R 6V3 10U COL R
2F45	319802741090	CER2 0603 X5R 6V3 10U COL R
2F46	319803524730	CER2 0402 X7R 16V 47N COL
2F47	319803501020	CER2 0402 X7R 50V 1N COL
2F48	319803501020	CER2 0402 X7R 50V 1N COL
2F49	319803524730	CER2 0402 X7R 16V 47N COL
2F50	319803501020	CER2 0402 X7R 50V 1N COL
2F51	319803501020	CER2 0402 X7R 50V 1N COL
2F52	319803524730	CER2 0402 X7R 16V 47N COL
2F53	319803524730	CER2 0402 X7R 16V 47N COL
2F54	319803524730	CER2 0402 X7R 16V 47N COL
2F56	319803521040	CER2 0402 X7R 16V 100N COL
2F57	319803524730	CER2 0402 X7R 16V 47N COL
2F58	319803524730	CER2 0402 X7R 16V 47N COL
2F59	319803514720	CER2 0402 X7R 25V 4N7 COL
2F60	319803403390	CER1 0402 NP0 50V 33P COL
2F61	319803521030	CER2 0402 X7R 16V 10N COL
2F62	319803521030	CER2 0402 X7R 16V 10N COL
2F63	319803521030	CER2 0402 X7R 16V 10N COL
2F64	319803521030	CER2 0402 X7R 16V 10N COL
2F65	319803521030	CER2 0402 X7R 16V 10N COL
2F66	319803514720	CER2 0402 X7R 25V 4N7 COL
2F67	319803521040	CER2 0402 X7R 16V 100N COL
2F68	319803521030	CER2 0402 X7R 16V 10N COL
2F69	319803521030	CER2 0402 X7R 16V 10N COL
2F70	319803521030	CER2 0402 X7R 16V 10N COL
2F71	319803521030	CER2 0402 X7R 16V 10N COL
2F73	319803521030	CER2 0402 X7R 16V 10N COL
2F74	319803521030	CER2 0402 X7R 16V 10N COL
2F75	319803521030	CER2 0402 X7R 16V 10N COL
2F76	319803041010	ELCAP SM 16V 100U PM20 COL R
2F77	319803521040	CER2 0402 X7R 16V 100N COL
2F78	319802741090	CER2 0603 X5R 6V3 10U COL R
2F79	319803521040	CER2 0402 X7R 16V 100N COL
2F80	319803521040	CER2 0402 X7R 16V 100N COL
2F81	319802741090	CER2 0603 X5R 6V3 10U COL R
2F82	319802741090	CER2 0603 X5R 6V3 10U COL R
2F86	319803521040	CER2 0402 X7R 16V 100N COL
2F86	319803571040	CER2 0402 Y5V 16V 100N COL
2F87	319802741090	CER2 0603 X5R 6V3 10U COL R
2F88	319802741090	CER2 0603 X5R 6V3 10U COL R
2F89	319803022210	ELCAP SM 6V3 220U PM20 COL R
2F90	319803022210	ELCAP SM 6V3 220U PM20 COL R
2F94	319802741090	CER2 0603 X5R 6V3 10U COL R
2F95	319802741090	CER2 0603 X5R 6V3 10U COL R
3114	319803101080	RST SM 0402 1R PM5 COL
3116	232270672201	RST SM 0402 RC32 220R PM1 R

Item	Philips 12NC	Description
3117	232270682402	RST SM 0402 RC32 2K4 PM1 R
3118	232270671002	RST SM 0402 RC32 1K PM1 R
3119	319803101080	RST SM 0402 1R PM5 COL
3120	319803101080	RST SM 0402 1R PM5 COL
3121	232270672201	RST SM 0402 RC32 220R PM1 R
3122	232270671502	RST SM 0402 RC32 1K5 PM1 R
3126	232270671802	RST SM 0402 RC32 1K8 PM1 R
3127	232270673901	RST SM 0402 RC32 390R PM1 R
3128	232270671202	RST SM 0402 RC32 1K2 PM1 R
3129	319802131090	RST SM 0603 10R PM5 COL
3130	319802131090	RST SM 0603 10R PM5 COL
3131	319803101080	RST SM 0402 1R PM5 COL
3132	319803101080	RST SM 0402 1R PM5 COL
3133	232270674702	RST SM 0402 RC32 4K7 PM1 R
3134	232270684702	RST SM 0402 RC32 4K7 PM1 R
3135	232270671502	RST SM 0402 RC32 1K5 PM1 R
3136	319802131090	RST SM 0603 10R PM5 COL
3137	232270671802	RST SM 0402 RC32 1K8 PM1 R
3138	319802131090	RST SM 0603 10R PM5 COL
3200	319803103310	RST SM 0402 330R PM5 COL
3203	319803102210	RST SM 0402 220R PM5 COL
3204	319803101010	RST SM 0402 100R PM5 COL
3205	319803101010	RST SM 0402 100R PM5 COL
3206	319803102210	RST SM 0402 220R PM5 COL
3207	319803104720	RST SM 0402 4K7 PM5 COL
3208	319803104720	RST SM 0402 4K7 PM5 COL
3209	319803104720	RST SM 0402 4K7 PM5 COL
3210	319803101010	RST SM 0402 100R PM5 COL
3211	319803101010	RST SM 0402 100R PM5 COL
3212	319803104790	RST SM 0402 47R PM5 COL
3213	319803105620	RST SM 0402 5K6 PM5 COL
3220	319803190010	RST SM 0402 JUMP. 0R05 COL
3221	319803190010	RST SM 0402 JUMP. 0R05 COL
3223	232276260479	RST SM 2512 PRC221 47R PM5 R
3224	232276260479	RST SM 2512 PRC221 47R PM5 R
3226	319803102210	RST SM 0402 220R PM5 COL
3227	319803102210	RST SM 0402 220R PM5 COL
3311▲	212010894133	RST SM FUSE 1206 10R PM5 R
3312▲	212010894133	RST SM FUSE 1206 10R PM5 R
3314	319803102210	RST SM 0402 220R PM5 COL
3315	319803102210	RST SM 0402 220R PM5 COL
3316	319803102240	RST SM 0402 220K PM5 COL
3317	319803102240	RST SM 0402 220K PM5 COL
3320	232276260229	RST SM 2512 PRC221 22R PM5 R
3321	319803101020	RST SM 0402 1K PM5 COL
3322	319803104730	RST SM 0402 47K PM5 COL
3323	319803104720	RST SM 0402 4K7 PM5 COL
3324	319803101820	RST SM 0402 1K8 PM5 COL
3325	319803104720	RST SM 0402 4K7 PM5 COL
3327	319803101020	RST SM 0402 1K PM5 COL
3328	319802131090	RST SM 0603 10R PM5 COL
3335	319803101030	RST SM 0402 10K PM5 COL
3337	319803104730	RST SM 0402 47K PM5 COL
3338	319803101230	RST SM 0402 12K PM5 COL
3339	319803101030	RST SM 0402 10K PM5 COL
3340	319803101030	RST SM 0402 10K PM5 COL
3341	319803101020	RST SM 0402 1K PM5 COL
3342	319803101230	RST SM 0402 12K PM5 COL
3343	319803101030	RST SM 0402 10K PM5 COL
3344	319803104720	RST SM 0402 4K7 PM5 COL
3345	319803103930	RST SM 0402 39K PM5 COL
3346	319803104720	RST SM 0402 4K7 PM5 COL
3347	319802131090	RST SM 0603 10R PM5 COL

Item	Philips 12NC	Description
3348	319803190010	RST SM 0402 JUMP. 0R05 COL
3349	319803101030	RST SM 0402 10K PM5 COL
3350	319803101030	RST SM 0402 10K PM5 COL
3351	319802132240	RST SM 0603 220K PM5 COL
3352	319803102230	RST SM 0402 22K PM5 COL
3353	319802132240	RST SM 0603 220K PM5 COL
3354	232276260229	RST SM 2512 PRC221 22R PM5 R
3356	319803101020	RST SM 0402 1K PM5 COL
3357	319803101020	RST SM 0402 1K PM5 COL
3358	319803190010	RST SM 0402 JUMP. 0R05 COL
3359	319803190010	RST SM 0402 JUMP. 0R05 COL
3360	319803101030	RST SM 0402 10K PM5 COL
3361	319803104730	RST SM 0402 47K PM5 COL
3362	319803101030	RST SM 0402 10K PM5 COL
3363	319803104730	RST SM 0402 47K PM5 COL
3364	319803101030	RST SM 0402 10K PM5 COL
3365	319803101030	RST SM 0402 10K PM5 COL
3366	319803104730	RST SM 0402 47K PM5 COL
3367	319803101020	RST SM 0402 1K PM5 COL
3A10	319803104720	RST SM 0402 4K7 PM5 COL
3A11	319803101030	RST SM 0402 10K PM5 COL
3A12	319803101030	RST SM 0402 10K PM5 COL
3A15	319803101030	RST SM 0402 10K PM5 COL
3A16	319803101030	RST SM 0402 10K PM5 COL
3A18	319803101010	RST SM 0402 100R PM5 COL
3A19	319803101010	RST SM 0402 100R PM5 COL
3A20	319803101010	RST SM 0402 100R PM5 COL
3A21	319803101010	RST SM 0402 100R PM5 COL
3A22	319803101010	RST SM 0402 100R PM5 COL
3A23	319803101010	RST SM 0402 100R PM5 COL
3A24	319803101010	RST SM 0402 100R PM5 COL
3A25	319803101010	RST SM 0402 100R PM5 COL
3A26	319803101010	RST SM 0402 100R PM5 COL
3A27	319803101010	RST SM 0402 100R PM5 COL
3A28	319803101010	RST SM 0402 100R PM5 COL
3A29	319803101010	RST SM 0402 100R PM5 COL
3A30	319803104720	RST SM 0402 4K7 PM5 COL
3A31	319803104720	RST SM 0402 4K7 PM5 COL
3A32	319803101030	RST SM 0402 10K PM5 COL
3A33	319803101030	RST SM 0402 10K PM5 COL
3A34	319803101020	RST SM 0402 1K PM5 COL
3A35	319803101530	RST SM 0402 15K PM5 COL
3A36	319803101020	RST SM 0402 1K PM5 COL
3A37	319803101020	RST SM 0402 1K PM5 COL
3B10	232270671002	RST SM 0402 RC32 1K PM1 R
3B11	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B13	232270570629	RST SM 0402 RC31 62R PM5 R
3B14	232270671002	RST SM 0402 RC32 1K PM1 R
3B15	232270671002	RST SM 0402 RC32 1K PM1 R
3B16	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B17	232270671501	RST SM 0402 RC32 150R PM1 R
3B18	319803102220	RST SM 0402 2K2 PM5 COL
3B20	212211807673	RST SM 0402 RC0402 2K4 PM1 R
3B22	232270672701	RST SM 0402 RC32 270R PM1 R
3B23	319803102220	RST SM 0402 2K2 PM5 COL
3B24	232270570629	RST SM 0402 RC31 62R PM5 R
3C01	235003311103	RST NETW SM ARV34 4X 10K PM5 R
3C10	319803101030	RST SM 0402 10K PM5 COL
3C11	319803101030	RST SM 0402 10K PM5 COL
3C12	319803101030	RST SM 0402 10K PM5 COL
3C13	319803101030	RST SM 0402 10K PM5 COL
3C14	319803101010	RST SM 0402 100R PM5 COL
3C15	319803190010	RST SM 0402 JUMP. 0R05 COL

Item	Philips 12NC	Description
3C16	319803101010	RST SM 0402 100R PM5 COL
3C17	319803101010	RST SM 0402 100R PM5 COL
3C18	319803101030	RST SM 0402 10K PM5 COL
3C19	319803190010	RST SM 0402 JUMP. 0R05 COL
3C21	319803104720	RST SM 0402 4K7 PM5 COL
3C22	319803190010	RST SM 0402 JUMP. 0R05 COL
3C24	319803101010	RST SM 0402 100R PM5 COL
3C25	319803104720	RST SM 0402 4K7 PM5 COL
3C26	319803101030	RST SM 0402 10K PM5 COL
3C27	319803101010	RST SM 0402 100R PM5 COL
3C29	319803101010	RST SM 0402 100R PM5 COL
3C30	319803103390	RST SM 0402 33R PM5 COL
3C31	319803101030	RST SM 0402 10K PM5 COL
3C32	319803101030	RST SM 0402 10K PM5 COL
3C33	319803101030	RST SM 0402 10K PM5 COL
3C34	319803101030	RST SM 0402 10K PM5 COL
3C35	319803101010	RST SM 0402 100R PM5 COL
3C39	319803102290	RST SM 0402 22R PM5 COL
3C40	319803102290	RST SM 0402 22R PM5 COL
3C42	319803190010	RST SM 0402 JUMP. 0R05 COL
3C44	319803101020	RST SM 0402 1K PM5 COL
3C45	319803101020	RST SM 0402 1K PM5 COL
3C46	319803101030	RST SM 0402 10K PM5 COL
3C50	319803104720	RST SM 0402 4K7 PM5 COL
3C51	319803104720	RST SM 0402 4K7 PM5 COL
3C52	319803101010	RST SM 0402 100R PM5 COL
3C55	319803101010	RST SM 0402 100R PM5 COL
3C56	319803190010	RST SM 0402 JUMP. 0R05 COL
3C57	319803104720	RST SM 0402 4K7 PM5 COL
3C58	319803104720	RST SM 0402 4K7 PM5 COL
3C59	319803190010	RST SM 0402 JUMP. 0R05 COL
3C60	319803104720	RST SM 0402 4K7 PM5 COL
3C61	319803104720	RST SM 0402 4K7 PM5 COL
3C62	319803104720	RST SM 0402 4K7 PM5 COL
3C63	319803104720	RST SM 0402 4K7 PM5 COL
3C64	319803190010	RST SM 0402 JUMP. 0R05 COL
3C65	319803106810	RST SM 0402 680R PM5 COL
3C66	319803104720	RST SM 0402 4K7 PM5 COL
3C67	319803101020	RST SM 0402 1K PM5 COL
3C68	319803101030	RST SM 0402 10K PM5 COL
3C69	319803101010	RST SM 0402 100R PM5 COL
3C70	319803101030	RST SM 0402 10K PM5 COL
3C72	319803104720	RST SM 0402 4K7 PM5 COL
3C73	319803104720	RST SM 0402 4K7 PM5 COL
3C74	319803101040	RST SM 0402 100K PM5 COL
3C75	319803104720	RST SM 0402 4K7 PM5 COL
3C76	319803104720	RST SM 0402 4K7 PM5 COL
3C77	319803103390	RST SM 0402 33R PM5 COL
3C78	319803103390	RST SM 0402 33R PM5 COL
3C79	319803103390	RST SM 0402 33R PM5 COL
3C81	319803101030	RST SM 0402 10K PM5 COL
3C82	319803101030	RST SM 0402 10K PM5 COL
3C83	319803101030	RST SM 0402 10K PM5 COL
3C84	319803104720	RST SM 0402 4K7 PM5 COL
3C85	319803104720	RST SM 0402 4K7 PM5 COL
3C88	319803104720	RST SM 0402 4K7 PM5 COL
3C89	319803104720	RST SM 0402 4K7 PM5 COL
3C90	319803101010	RST SM 0402 100R PM5 COL
3C91	319803101010	RST SM 0402 100R PM5 COL
3C92	319803190010	RST SM 0402 JUMP. 0R05 COL
3C93	319803101080	RST SM 0402 1R PM5 COL
3C94	319803190010	RST SM 0402 JUMP. 0R05 COL
3C95	319803101080	RST SM 0402 1R PM5 COL

Item	Philips 12NC	Description
3C96	319803104720	RST SM 0402 4K7 PM5 COL
3C97	319803102290	RST SM 0402 22R PM5 COL
3D10	319803101020	RST SM 0402 1K PM5 COL
3D11	319803104730	RST SM 0402 47K PM5 COL
3D12	319803104790	RST SM 0402 47R PM5 COL
3D13	319803104730	RST SM 0402 47K PM5 COL
3D14	319803190010	RST SM 0402 JUMP. 0R05 COL
3D18	319803101010	RST SM 0402 100R PM5 COL
3E10	319803102220	RST SM 0402 2K2 PM5 COL
3E11	319803101010	RST SM 0402 100R PM5 COL
3E12	319803101010	RST SM 0402 100R PM5 COL
3E13	319803102220	RST SM 0402 2K2 PM5 COL
3E14	319803101030	RST SM 0402 10K PM5 COL
3E15	319803101030	RST SM 0402 10K PM5 COL
3E16	319803103390	RST SM 0402 33R PM5 COL
3E17	319803103320	RST SM 0402 3K3 PM5 COL
3E18	319803103320	RST SM 0402 3K3 PM5 COL
3E23	319803101030	RST SM 0402 10K PM5 COL
3E24	319803101020	RST SM 0402 1K PM5 COL
3E25	319803101030	RST SM 0402 10K PM5 COL
3E26	212211807475	RST SM 0402 RC0402 2K PM1 R
3E27	212211807475	RST SM 0402 RC0402 2K PM1 R
3E28	319803104730	RST SM 0402 47K PM5 COL
3E29	319803101030	RST SM 0402 10K PM5 COL
3E30	319803104730	RST SM 0402 47K PM5 COL
3E31	319803101010	RST SM 0402 100R PM5 COL
3E32	319803101010	RST SM 0402 100R PM5 COL
3E33	319803104730	RST SM 0402 47K PM5 COL
3E34	319803104730	RST SM 0402 47K PM5 COL
3E35	319803102220	RST SM 0402 2K2 PM5 COL
3E36	319803101030	RST SM 0402 10K PM5 COL
3E37	319803104730	RST SM 0402 47K PM5 COL
3E38	319803101010	RST SM 0402 100R PM5 COL
3E39	319803101030	RST SM 0402 10K PM5 COL
3E40	319803104730	RST SM 0402 47K PM5 COL
3E41	319803104730	RST SM 0402 47K PM5 COL
3E42	319803104730	RST SM 0402 47K PM5 COL
3E43	319803101020	RST SM 0402 1K PM5 COL
3E44	319803101020	RST SM 0402 1K PM5 COL
3E45	319803101030	RST SM 0402 10K PM5 COL
3E46	319803101020	RST SM 0402 1K PM5 COL
3E47	319803101020	RST SM 0402 1K PM5 COL
3E48	319803102220	RST SM 0402 2K2 PM5 COL
3E49	319803101010	RST SM 0402 100R PM5 COL
3E50	232270678204	RST SM 0402 RC32 820K PM1 R
3E51	319803102730	RST SM 0402 27K PM5 COL
3E52	319803101080	RST SM 0402 1R PM5 COL
3E53	319803104720	RST SM 0402 4K7 PM5 COL
3E54	319803101080	RST SM 0402 1R PM5 COL
3E55	319803102220	RST SM 0402 2K2 PM5 COL
3E56	319803102220	RST SM 0402 2K2 PM5 COL
3E57	319803102220	RST SM 0402 2K2 PM5 COL
3E58	319803102220	RST SM 0402 2K2 PM5 COL
3E59	319803101030	RST SM 0402 10K PM5 COL
3E60	319803101030	RST SM 0402 10K PM5 COL
3E61	319803190010	RST SM 0402 JUMP. 0R05 COL
3F10	232270673003	RST SM 0402 RC32 30K PM1 R
3F11	232270673003	RST SM 0402 RC32 30K PM1 R
3F12	232270673003	RST SM 0402 RC32 30K PM1 R
3F13	319803190010	RST SM 0402 JUMP. 0R05 COL
3F14	232270673003	RST SM 0402 RC32 30K PM1 R
3F15	319803190010	RST SM 0402 JUMP. 0R05 COL
3F16	319803190010	RST SM 0402 JUMP. 0R05 COL

Item	Philips 12NC	Description
3F17	319803190010	RST SM 0402 JUMP. 0R05 COL
3F18	232270677509	RST SM 0402 RC32 75R PM1 R
3F19	232270677509	RST SM 0402 RC32 75R PM1 R
3F21	232270677509	RST SM 0402 RC32 75R PM1 R
3F22	232270677509	RST SM 0402 RC32 75R PM1 R
3F24	319803190010	RST SM 0402 JUMP. 0R05 COL
3F25	319803190010	RST SM 0402 JUMP. 0R05 COL
3F26	232270677509	RST SM 0402 RC32 75R PM1 R
3F27	319803190010	RST SM 0402 JUMP. 0R05 COL
3F28	232270677509	RST SM 0402 RC32 75R PM1 R
3F29	319803190010	RST SM 0402 JUMP. 0R05 COL
3F30	232270677509	RST SM 0402 RC32 75R PM1 R
3F31	232270677509	RST SM 0402 RC32 75R PM1 R
3F32	232270677509	RST SM 0402 RC32 75R PM1 R
3F35	232270677509	RST SM 0402 RC32 75R PM1 R
3F36	232270673003	RST SM 0402 RC32 30K PM1 R
3F37	232270673003	RST SM 0402 RC32 30K PM1 R
3F38	232270673003	RST SM 0402 RC32 30K PM1 R
3F39	232270673003	RST SM 0402 RC32 30K PM1 R
3F40	232270677509	RST SM 0402 RC32 75R PM1 R
3F41	319803190010	RST SM 0402 JUMP. 0R05 COL
3F42	232270677509	RST SM 0402 RC32 75R PM1 R
3F43	319803190010	RST SM 0402 JUMP. 0R05 COL
3F44	319803101010	RST SM 0402 100R PM5 COL
3F45	232270673003	RST SM 0402 RC32 30K PM1 R
3F46	232270673003	RST SM 0402 RC32 30K PM1 R
3F47	319803101010	RST SM 0402 100R PM5 COL
3F48	319803101010	RST SM 0402 100R PM5 COL
3F49	319803101010	RST SM 0402 100R PM5 COL
3F50	319803101010	RST SM 0402 100R PM5 COL
3F51	232270570241	RST SM 0402 RC31 240R PM5 R
3F52	319803101010	RST SM 0402 100R PM5 COL
3F53	319803101010	RST SM 0402 100R PM5 COL
3F54	319803190010	RST SM 0402 JUMP. 0R05 COL
3F55	319803101010	RST SM 0402 100R PM5 COL
3F56	319803106890	RST SM 0402 68R PM5 COL
3F57	319803101010	RST SM 0402 100R PM5 COL
3F58	319803106890	RST SM 0402 68R PM5 COL
3F59	319803101010	RST SM 0402 100R PM5 COL
3F60	319803106890	RST SM 0402 68R PM5 COL
3F61	319803190010	RST SM 0402 JUMP. 0R05 COL
3F62	319803106890	RST SM 0402 68R PM5 COL
3F63	319803101010	RST SM 0402 100R PM5 COL
3F64	319803106890	RST SM 0402 68R PM5 COL
3F65	319803101010	RST SM 0402 100R PM5 COL
3F66	319803106890	RST SM 0402 68R PM5 COL
3F68	319803105610	RST SM 0402 560R PM5 COL
3F71	319803190010	RST SM 0402 JUMP. 0R05 COL
3F72	319803101010	RST SM 0402 100R PM5 COL
3F74	319803101010	RST SM 0402 100R PM5 COL
3F75	319803190010	RST SM 0402 JUMP. 0R05 COL
3F76	319803104710	RST SM 0402 470R PM5 COL
3F77	319803101080	RST SM 0402 1R PM5 COL
3F78	232270675102	RST SM 0402 RC32 5K1 PM1 R
3F79	319803101020	RST SM 0402 1K PM5 COL
3F82	319803104730	RST SM 0402 47K PM5 COL
3F83	319803104710	RST SM 0402 470R PM5 COL
3F84	319803101080	RST SM 0402 1R PM5 COL
3F85	319803103390	RST SM 0402 33R PM5 COL
3F86	319803103390	RST SM 0402 33R PM5 COL
3F87	319803104730	RST SM 0402 47K PM5 COL
3F88	319803101020	RST SM 0402 1K PM5 COL
3F89	319803101010	RST SM 0402 100R PM5 COL

Item	Philips 12NC	Description
3F91	319803190010	RST SM 0402 JUMP. 0R05 COL
3F92	319803190010	RST SM 0402 JUMP. 0R05 COL
3F93	319803104710	RST SM 0402 470R PM5 COL
3F94	319803104710	RST SM 0402 470R PM5 COL
4203	319803190010	RST SM 0402 JUMP. 0R05 COL
4204	319803190010	RST SM 0402 JUMP. 0R05 COL
4207	319803190010	RST SM 0402 JUMP. 0R05 COL
4310	319803190010	RST SM 0402 JUMP. 0R05 COL
4D17	319803190010	RST SM 0402 JUMP. 0R05 COL
4D18	319803190010	RST SM 0402 JUMP. 0R05 COL
4D19	319803190010	RST SM 0402 JUMP. 0R05 COL
4D20	319803190010	RST SM 0402 JUMP. 0R05 COL
4D21	235003391001	RST NETW SM ARV341 4X JUMPER R
4D22	235003391001	RST NETW SM ARV341 4X JUMPER R
4D23	235003391001	RST NETW SM ARV341 4X JUMPER R
4D24	235003391001	RST NETW SM ARV341 4X JUMPER R
4D25	235003391001	RST NETW SM ARV341 4X JUMPER R
4D26	235003391001	RST NETW SM ARV341 4X JUMPER R
4F01	319803190010	RST SM 0402 JUMP. 0R05 COL
4F02	319803190010	RST SM 0402 JUMP. 0R05 COL
5112	242253601849	IND FXD SM NR8040 2U PM30 R
5113	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5114	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5115	242253601634	IND FXD SM NR6045 10U PM20 R
5116	242253601567	IND FXD SM NR8040 10U PM20 R
5117	242253601567	IND FXD SM NR8040 10U PM20 R
5118	242253601567	IND FXD SM NR8040 10U PM20 R
5119	242253601567	IND FXD SM NR8040 10U PM20 R
5201	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5202	242253601514	IND FXD SM 0603 0U56 PM5 R
5203	242253601386	IND FXD SM NR4018 10U PM20 R
5204	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5205	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5206	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5207	242253601057	IND FXD SM 0603 0U39 PM5 R
5208	242253601057	IND FXD SM 0603 0U39 PM5 R
5209	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5310	242253601564	IND FXD SM NR8040 22U PM20 R
5311	242253601564	IND FXD SM NR8040 22U PM20 R
5314	242253601564	IND FXD SM NR8040 22U PM20 R
5315	242253601564	IND FXD SM NR8040 22U PM20 R
5316	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5317	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5318	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5319	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5320	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5321	242254900287	IND FXD 0805 EMI 100MHZ 220R R
5A10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A11	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A12	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A13	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A16	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A17	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A18	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A19	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5A20	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5B11	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B12	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5B13	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5C10	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C12	242254943276	IND FXD 0603 EMI 100MHZ 30R R

Item	Philips 12NC	Description
5C13	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C14	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5C15	242254943276	IND FXD 0603 EMI 100MHZ 30R R
5D12	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D14	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D15	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D16	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D17	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D18	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5D19	242254901582	IND FXD 0603 EMI 100MHZ 33R R
5E10	242254943769	IND FXD 0603 EMI 100MHZ 30R R
5F13	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F15	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F17	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F19	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F21	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F23	242254942979	IND FXD 0603 EMI 100MHZ 60R R
5F24	242254943276	IND FXD 0603 EMI 100MHZ 30R R
6110	932208282668	DIO REC SM SS34-E3 (VISH) R
6110	932226312668	DIO REC SM SS34 (TASE) R
6111	932208282668	DIO REC SM SS34-E3 (VISH) R
6111	932226312668	DIO REC SM SS34 (TASE) R
6112	932208282668	DIO REC SM SS34-E3 (VISH) R
6112	932226312668	DIO REC SM SS34 (TASE) R
6113	932208282668	DIO REC SM SS34-E3 (VISH) R
6113	932226312668	DIO REC SM SS34 (TASE) R
6310	933976370215	DIO SIG SM BAT54C (PHSE) R
6312	319801010630	DIO SIG SM BAS316 (COL) R
6313	933976370215	DIO SIG SM BAT54C (PHSE) R
6A10	319802053380	DIO REG SM BZX384-C3V3 COL R
6A11	319802058280	DIO REG SM BZX384-C8V2 COL R
6C10	319801010630	DIO SIG SM BAS316 (COL) R
6C12	319802056880	DIO REG SM BZX384-C6V8 COL R
6C13	319802056880	DIO REG SM BZX384-C6V8 COL R
6C14	319801010630	DIO SIG SM BAS316 (COL) R
6D10	319802056880	DIO REG SM BZX384-C6V8 COL R
6D11	932213446685	LED VS SM SML-310MT (RHM0) R
6E13	934057248315	DIO SIG SM BAT54L (PHSE) R
6E16	319801010630	DIO SIG SM BAS316 (COL) R
6F01	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F02	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F03	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F04	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F05	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F06	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F07	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F08	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F09	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F10	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F11	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F12	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F13	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F14	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F15	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F16	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F17	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F18	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F19	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F20	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F21	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F22	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F25	319802056880	DIO REG SM BZX384-C6V8 COL R
6F26	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R

Item	Philips 12NC	Description
6F27	932222113685	DIO SUP SM NUP1301ML3 (ONSE) R
6F29	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F30	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
6F31	934058004115	DIO SUP SM PESD5V0S1BA(PHSE) R
7101	932225820668	IC SM ST1S10PH (ST00) R
7115	932219811685	IC SM L78L08ACU (ST00) R
7116	932225540668	IC SM TPS54386PWP (TI00) R
7117	932225540668	IC SM TPS54386PWP (TI00) R
7200	319801042310	TRA SIG SM BC847BW (COL) R
7201	935286706118	IC SM TDA9886T/V5 (NXP0) R
7201	935286711118	IC SM TDA9885T/V5 (NXP0) R
7202	932210447668	IC SM L78M05CDT (ST00) R
7301	934042510115	TRA SIG SM BC857BS (PHSE) R
7303	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7304	935283479518	IC SM TDA8932BTW/N2 (NXP0) R
7306	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7307	319801042320	TRA SIG SM BC857BW (COL) R
7308	319801042310	TRA SIG SM BC847BW (COL) R
7309	934042520135	TRA SIG SM BC847BS (PHSE) R
7311	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7312	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7313	933946360215	FET POW SM BSS84 (PHSE) R
7314	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7315	934042510115	TRA SIG SM BC857BS (PHSE) R
7316	319801042320	TRA SIG SM BC857BW (COL) R
7317	319801042320	TRA SIG SM BC857BW (COL) R
7701	932226683671	IC SM MT5392PVMJ (MEDI) Y
7A10	319801042310	TRA SIG SM BC847BW (COL) R
7A11	934042520115	TRA SIG SM BC847BS (PHSE) R
7B02	932226254668	IC SM HYB18H1G321AF-11 (QIMO)R
7C04	932223182668	IC SM M24C64-RDW6P (ST00) R
7C05	319801042310	TRA SIG SM BC847BW (COL) R
7C06	319801042310	TRA SIG SM BC847BW (COL) R
7C07	319801042310	TRA SIG SM BC847BW (COL) R
7C08	932222773685	IC SM BD45292G (RHM0) R
7C11	932222588668	IC SM M25P64-VMF6TP (ST00) R
7D02	932226569668	FET POW SM SI4835DDY-E3(VISH)R
7D03	319801044110	TRA SIG SM PDTC114ET (COL) R
7E01	932220624668	IC SM M24C02-WMN6P (ST00) R
7E02	932226535671	IC SM ADV3002BSTZ01 (ANA0) Y
7E03	319801042310	TRA SIG SM BC847BW (COL) R
7E05	319801042310	TRA SIG SM BC847BW (COL) R
7E06	319801042310	TRA SIG SM BC847BW (COL) R
7E10	319801042310	TRA SIG SM BC847BW (COL) R
7E14	319801042310	TRA SIG SM BC847BW (COL) R
7F01	932224227668	IC SM TPS2041BD (TI00) R
7F03	932225872685	TRA SIG SM 2SD2653K (RHM0) R
7F04	932225872685	TRA SIG SM 2SD2653K (RHM0) R

PARTS LIST

[47PFL6704D/F7 (Serial No. : YA1B***)]**

Difference parts from the original model [47PFL6704D/F7 (Serial No. : YA1A*****)]

Item	Philips 12NC	Description
PCB Assembly		
1150	A9PH4D1G-001	AS SSB NA2k9M + LR out

REVISION HISTORY

Chassis PL9.3

- 2009-05-29 A revision of "How To Set Option Code" on page 5-9.
- 2009-05-29 32PFL6704D/F7 (Serial No. : YA1B*****) added
- 2009-05-29 42PFL6704D/F7 (Serial No. : YA1B*****) added
- 2009-05-29 47PFL6704D/F7 (Serial No. : YA1B*****) added