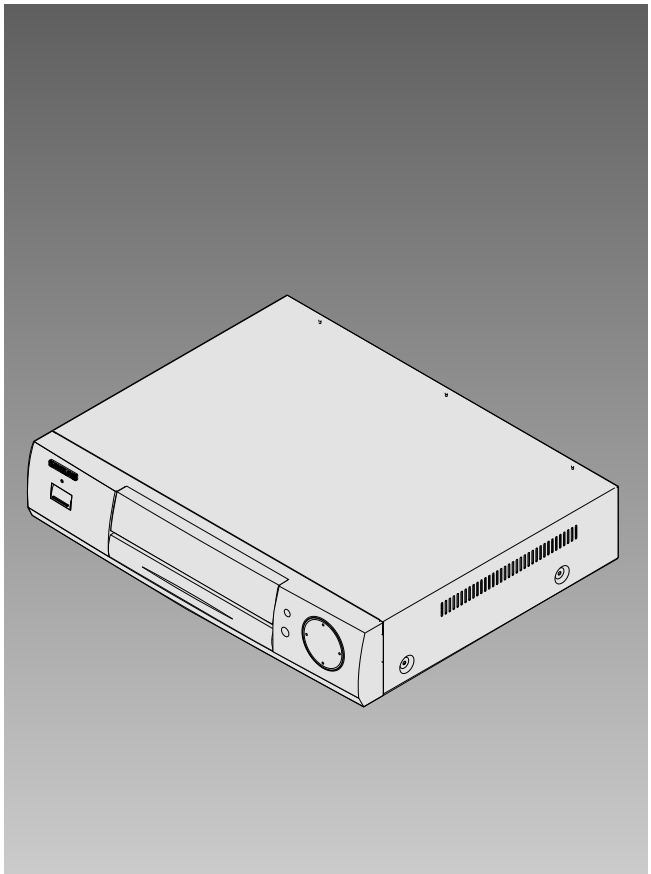
SAMSUNG

DIGITAL SET TOP BOX

Chassis : T12A
Model: SIRT100X/XAA

SERVICE Manual

DIGITAL SET TOP BOX



CONTENTS

ELECTRONICS

Printed in Korea
3T12A-1001

1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: 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 (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

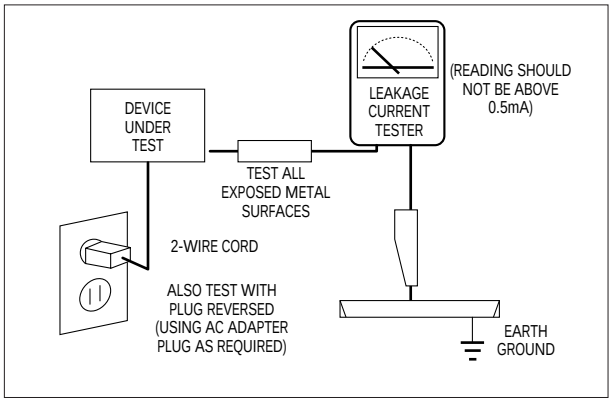


Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

8. Design Alteration Warning:
   Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

9. Some TV 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 insulating material that must not be defeated or altered.

1-1 Safety Precautions (Continued)

10. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

11. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

12. Product Safety Notice:
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning 1 : First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning 2 : An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Specifications

System	Broadcasting	ATSC DTV (USA)
	Tuning	Frequency Synthesizer
	Sound	DTV
	Programme Channel	VHF : CH2 ~ CH13
		UHF : CH14 ~ CH69
Antenna Impedance		VHF/UHF Tuner : 75Ω Unbalanced Coaxial
AGC		Reverse AGC
Power	Consumption	30W ± 10%
	Requirement	120V/60Hz
Sound Output		SPDIF (OPTICAL), DOWN MIXED R/L, OUTPUT
Dimensions (W x D x H)		420 x 320 x 100
Weight		7.2kg

MEMO

3. Servicing Information

3-1 Board Test

3-1-1 General Testing Procedures

1. The following signals should be checked :

   A[25..0], D[31..0], GP[27..0], NCS[3..0], NRAS [3..0], NCAS [3..0], NPWE, NPOE, ROMSEL. NRESET, NPCEI, NPCE2, NPWAIT, NOE, NOW, PSKTSEL, NPIOR, NPIOW.

2. Enter the program-test mode for servicing.

   - Connect a PC to the digital board using a serial cable.
   - Set up a hyper terminal.

   1) When setting up a hyper terminal, set it in sub-program.
   2) Enter a new name.
   3) Select modem (com 1 and direct connection).
   4) Set the bit/second to 115200.
   5) Set the data bit to 8.
   6) No parity bit.
   7) Set the stop bit to 1.
   8) No flow control.
   9) Store in memory.
   10) At this point, the new hyper terminal is ready.

   - Open the hyper terminal in the PC.
   - Turn on the TV press “t” repeatedly for next procedure (while simultaneously pressing the Ctrl key).
   - Test is automatically performed.
   - The program stops operating at the trouble points, which are displayed.
   - If there is no malfunction, the test list is displayed and “OK” is displayed for each item.

3. Troubleshooting is a 4-step process:

   (1) Find the exact location of error, (2) Display the rough location of error, (3) Stop while the program is executing, and (4) Perform a sense test.

   1) If any key is pressed after the exact location of error is displayed, the program continues.
   2) If any key is pressed after the rough location of error is displayed, the program continues.
   3) When an error is found, the program stops.
   4) If an error shows on the TV screen
      (but no problem happens during the test) a sense test must be performed.

4. Check the location of error.

5. Display each test item and see if it functions normally.

3-1-2 Testing Procedures

1. Hyper Terminal Operation Check

   After the winding check is completed, access each register and check.

2. DRAM (CPU) Operation Check (U904, U905)

   Check the address (A[12..10]) and data line (D[31..0]) between CPU and DRAM, and then identify abnormal parts.
   The lower 16-Bit data have been checked (Flash Memory Check), problems might happen between the upper 16-Bit data (D[31..16] and address. The problems can be rightly indicated.

3. Format Converter, Channel Dec, EQ Operation Check

   Check the register via the serial bus (I2C Bus) operation. And then check for access to IC.
   Check the H/W connection and operation.

4. Lower 8-Bit I/O Operation Check

   Check the I/O [15..8] related to TS. 8-Bit (added to the previous tested lower 8-bit) is tested.
   This 8-Bit I/O ([15..8]) is used only between TS and OSGM. If access to TS is successful, then the I/O line is okay. Errors can be rightly indicated.

5. T/S RAM Operation Check

   When accessing the T/S Memory, check the data line and then address line.

6. Video Host I/F Check

   Access the Video Decrement Register. If accessed, the connection between the video and TS is okay.

7. Lower 32-Bit I/O Operation Check

   Check the I/O [31..16] related to OSGM. If an access to OSGM is successful then the I/O line is okay. Errors can be rightly indicated.

8. OSGM SDRAM Operation Check

   To access to OSGM Memory, check the data line and then address line.

9. CH Operation Check

   The CH Operation Check should be performed after the actual signal is input.

   Check the FPLL_Lock and Error Flag (CH register), and the signal (input to the CH) operation, and the connection between two CH ICs.

10. T/S Operation Check

    Check that the available data are provided to T/S.
    By reading PAT or PMT, determine that the channel data (input to TS) is available.
    If any error shows (even though no problem happens during the channel test) there might be a problem between the channel output and the T/S inputs.

11. Video Decrement Operation Check

    Check the register to see if the normal data are provided to the Video DEC.
    In the event that any Video DEC internal error or pin short occurs, the Video DEC might have problems.

12. Audio Operation Check

    Check that the TS datas are successfully provided to Audio (4600).

13. F/C Operation Check

    Check that the normal signals are input to F/C.

14. Sense Test

    (1) After the NTSC a digital-color- bar signals (input to channels) are output, check the connection between Video DEC. and Format Convertor;Format Convertor and OSGM;NTSC A/D and Format Convertor.
    (2) Adjust F/C, so that the 16:9, HALF, 4:3 screens are output.

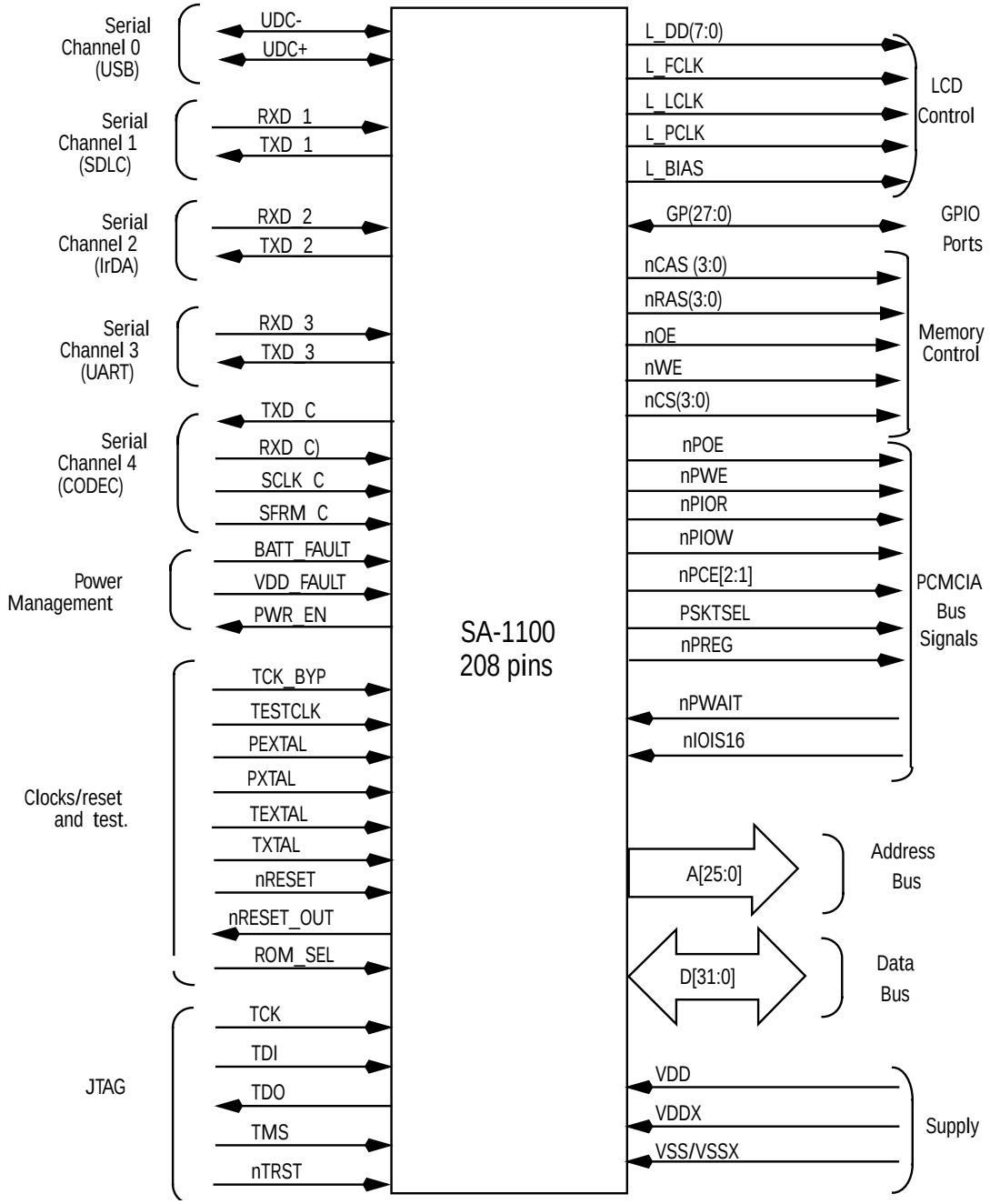
15. Final Test Item Display

    After all tests are completed, display the checked items.
    If no error shows on the screen during the sense test, then exit.

3-2 Main IC Pin Description

Note : For ASIC chip description refer to Digital TV training Manual.

3-2-1 Pin Configuration of SA1100



Functional Diagram

3-2-1(A) Signal Description of SA1100

Key to Signal Types:

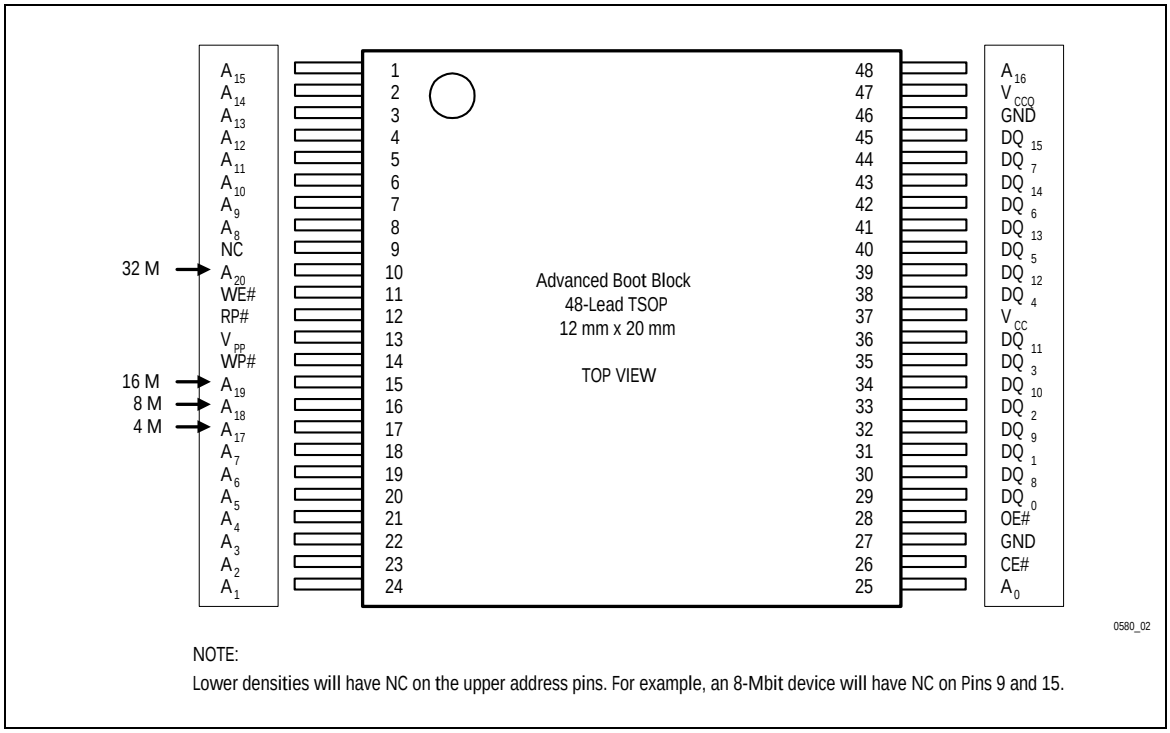
IC - Input, CMOS threshold
ICOCZ - Input, CMOS threshold, output CMOS levels, tri-stateable
OCZ - Output, CMOS levels, tri-stateable

Name	Type	Description
A[25:0]	OCZ	Memory Address Bus. This bus signals the address requested for memory accesses. Bits 21-10 carry the 12 bit DRAM address and the static memory devices and the expansion bus receive address bits 25-0.
D[31:0]	ICOCZ	Memory Data bus.
nCS[3:0]	OCZ	Static chip selects. These signals are chip selects to static memory devices such as ROM and Flash. They are individually programmable in the memory configuration registers.
nOE	OCZ	Memory output enable. This signal should be connected to the output enable (to begin driving data onto the data bus).
nWE	OCZ	DRAM write enable. This signal should be connected to the DRAM write enables to perform write. This signal is used in conjunction with CAS[3:0] to perform byte writes.
nRAS[3:0]	OCZ	DRAM RAS. These signals should be connected to the DRAM row address strobe (RAS) pin.
nCAS[3:0]	OCZ	DRAM CAS. These signals should be connected to the DRAM column address strobe (CAS) pins. .
nPOE	OCZ	PCMCIA output enable. ThisPCMCIA signal is an output and is used to perform reads from memory and attribute space.
nPWE	OCZ	PCMCIA write enable. This signal is an output and is used to perform writes to memory and attribute space.
nPIOW	OCZ	PCMCIA I/O write. This signal is an output and is used to perform write transactions to the PCMCIA I/O space.
nPIOR	OCZ	PCMCIA I/O read. This signal is an output and is used to perform read transactions from the PCMCIA I/O space.
nPCE[2:1]	OCZ	PCMCIA Card enable. These signals are output and are used to select a PCMCIA card. (Bit one enables the high byte lane, and Bit zero enables the low byte lane.
nIOIS16	IC	I/O Select 16. This signal is an input and is an acknowledge from the PCMCIA card that the current address is a valid 16 bit wide I/O address.
nPWAIT	IC	PCMCIA Wait. This signal is an input and is driven low by the PCMCIA card to lengthen the transfers from the SA-1100.
PSKTSEL	OCZ	PCMCIA Socket select. This signal is an output and is used by external steering logic to route control, address and data signals to one of the PCMCIA sockets. When PSKTSEL is low, Socket zero is selected. When PSKTSEL is high, Socket one is selected. This signal has the same timing as address.

Name	Type	Description
nPREG	OCZ	PCMCIA Register select. This signal is an output and indicates that, on a memory trasnaction, the target address is attribute space. This signal has the same timing as address.
L_DD[7:0]	OCZ	LCD controller display data
L_FCLK	OCZ	LCD Frame clock
L_LCLK	OCZ	LCD line clock
L_PCLK	OCZ	LCD pixel clock
L_BIAS	OCZ	LCD AC bias drive
TXD_C	OCZ	CODEC Transmit
RXD_C	IC	CODEC Receive
SCLK_C	OCZ	CODEC Clock
SFRM_C	OCZ	CODEC Frame signal
UDC+	OCZ	Serial Port Zero Transmit Pin (USB)
UDC-	IC	Serial Port Zero Receive Pin (USB)
TXD_1	OCZ	Serial Port One Transmit Pin (SDLC)
RXD_1	IC	Serial Port One Receive Pin (SDLC)
TXD_2	OCZ	Serial Port Two Transmit Pin (IrDA)
RXD_2	IC	Serial Port Two Receive Pin (IrDA)
TXD_3	OCZ	Serial Port Three Transmit Pin (UART)
RXD_3	IC	Serial Port Three Receive Pin (ART)
GP[27:0]	ICOCZ	General purpose Input Output.
ROM_SEL	IC	This pin is used to configure the ROM_width. It is either grounded or pulled high. If ROM_SEL is grounded, the ROM width is 16 bits. If ROM_SEL is pulled up, the ROM width is 32 bits.
PXTAL	IC	Input connection for 3.6864 Mhz crystal
PEXTAL	OCZ	Output connection for 3.684 6Mhz crystal
TXTAL	IC	Input connection for 32.768 Khz crystal
TEXTAL	OCZ	Output connection for 32.768 Khz crystal
PWR_EN	OCZ	Active high. PWR_EN Enables the external power supply. Negating it signals the power supply that the system is going into sleep mode and that the VDD power supply should be removed.
BATT_FAULT	IC	Signals the SA-1100 that the main power source is going away (battery has been removed from the system.) BATT_FAULT will cause the SA1100 to enter Sleep Mode.

Name	Type	Description
VDD_FAULT	IC	Signals the SA-1100 that the main power supply is going out of regulation. VDD_FAULT will cause the SA-1100 to enter Sleep Mode.
nRESET	IC	Hard reset. This active low signal is a level sensitive input which is used to start the processor from a known address. A LOW level will cause the current instruction to terminate abnormally, and the on-chip caches, MMU, and write buffer to be disabled. When nRESET is driven HIGH, the processor will re-start from address 0. nRESET must remain LOW until the power supply is stable and the internal 3.6864 MHz oscillator has come up to speed. While nRESET is LOW the processor will perform idle cycles.
nRESET_OUT	OCZ	Not reset out. This signal is asserted when nRESET is asserted and deasserts when the processor has completed resetting.
nTRST	IC	Test interface reset. Note this pin has an internal pulldown resistor and must be driven high to enable the JTAG circuitry. If left unconnected, this pin is pilled low and disables JTAG operation.
TDI	IC	Test interface data input. Note this pin has an internal pullup resistor.
TDO	OCZ	Test interface data output. Note this pin does NOT have an internal pullup resistor.
TMS	IC	Test interface mode select. Note this pin has an internal pullup resistor.
TCK	IC	Test interface reference Clock. This times all the transfers on the JTAG test interface. Note this pin has an internal pulldown resistor.
TCK_BYP	IC	Test clock PLL bypass. When TCK_BYP is HIGH, the TESTCLK is used as the core clock in place of the PLL clock, when LOW the internal PLL output is used. This signal has no relation to the JTAG TCK pin.
TESTCLK	IC	Test Clock. TESTCLK is used to provide the core clock when TCK_BYP is HIGH. It should be tied LOW if TCK_BYP is LOW. This pin should be used for test purposes only. An end user should ground this pin.
VDD		Positive supply for the core. Nine pins are allocated to this supply; eight are labelled VDD. The ninth pin, labelled VDDP is dedicated to the PLL supply and should be tied directly to the VDD power plane with the other eight VDD pins.
VDDX		Positive supply for the pins. 20 VDDX pins, labelled VDDX1, VDDX2 and VDDX3. All of these pins should be tied directly to the VDDX power plane.
VSS		Ground supply. Nine pins are allocated to VSS including one for the PLL
VSSX		Ground supply for the I/O pins. 18 pins are allocated to VSSX

3-2-2 28F016 Pin Configuration



NOTE:
Lower densities will have NC on the upper address pins. For example, an 8-Mbit device will have NC on Pins 9 and 15.

48-Lead TSOP Package for x16 Configurations

3-2-2(A) Pin Descriptions of 28F016

The pin descriptions table details the usage of each device pin.

Symbol	Type	Name and Function
A_0–A_{21}	INPUT	**ADDRESS INPUTS** for memory addresses. Addresses are internally latched during a program or erase cycle. 28F008B3: A[0-19], 28F016B3: A[0-20], 28F800B3: A[0-17], 28F800B3: A[0-18], 28F160B3: A[0-19], 28F320B3: A[0-20]
DQ_0–DQ_7	INPUT/OUTPUT	**DATA INPUTS/OUTPUTS:** Inputs array data on the second CE# and WE# cycle during a Program command. Inputs commands to the Command User Interface when CE# and WE# are active. Data is internally latched. Outputs array, identifier and status register data. The data pins float to tri-state when the chip is de-selected or the outputs are disabled.
DQ_8–DQ_{15}	INPUT/OUTPUT	**DATA INPUTS/OUTPUTS:** Inputs array data on the second CE# and WE# cycle during a Program command. Data is internally latched. Outputs array and identifier data. The data pins float to tri-state when the chip is de-selected. **Not included on x8 products.**
CE#	INPUT	**CHIP ENABLE:** Activates the internal control logic, input buffers, decoders and sense amplifiers. CE# is active low. CE# high de-selects the memory device and reduces power consumption to standby levels.
OE#	INPUT	**OUTPUT ENABLE:** Enables the device's outputs through the data buffers during a read operation. OE# is active low.
WE#	INPUT	**WRITE ENABLE:** Controls writes to the Command Register and memory array. WE# is active low. Addresses and data are latched on the rising edge of the second WE# pulse.
RP#	INPUT	**RESET/DEEP POWER-DOWN:** Uses two voltage levels (V_{IL}, V_{IH}) to control reset/deep power-down mode. **When RP# is at logic low, the device is in reset/deep power-down mode**, which drives the outputs to High-Z, resets the Write State Machine, and minimizes current levels (I_{CCD}). **When RP# is at logic high, the device is in standard operation**. When RP# transitions from logic-low to logic-high, the device resets all blocks to locked and defaults to the read array mode.
WP#	INPUT	**WRITE PROTECT:** Provides a method for locking and unlocking the two lockable parameter blocks. **When WP# is at logic low, the lockable blocks are locked**, preventing program and erase operations to those blocks. If a program or erase operation is attempted on a locked block, SR.1 and either SR.4 [program] or SR.5 [erase] will be set to indicate the operation failed. **When WP# is at logic high, the lockable blocks are unlocked** and can be programmed or erased. See Section 3.3 for details on write protection.

Symbol	Type	Name and Function
V_{CCQ}	INPUT	**OUTPUT V_{CC}:** Enables all outputs to be driven to 1.8 V – 2.5 V while the V_{CC} is at 2.7 V–3.3 V. If the V_{CC} is regulated to 2.7 V–2.85 V, V_{CCQ} can be driven at 1.65 V–2.5 V to achieve lowest power operation (see Section 4.4, *DC Characteristics*. This input may be tied directly to V_{CC} (2.7 V–3.6 V).
V_{CC}		**DEVICE POWER SUPPLY:** 2.7 V–3.6 V
V_{PP}		**PROGRAM/ERASE POWER SUPPLY:** Supplies power for program and erase operations. V_{PP} may be the same as V_{CC} (2.7 V–3.6 V) for single supply voltage operation. For fast programming at manufacturing, 11.4 V–12.6 V may be supplied to V_{PP}. This pin cannot be left floating. Applying 11.4 V–12.6 V to V_{PP} can only be done for a maximum of 1000 cycles on the main blocks and 2500 cycles on the parameter blocks. V_{PP} may be connected to 12 V for a total of 80 hours maximum (see Section 3.4 for details). $V_{PP} < V_{PPLK}$ protects memory contents against inadvertent or unintended program and erase commands.
GND		**GROUND:** For all internal circuitry. All ground inputs **must** be connected.
NC		**NO CONNECT:** Pin may be driven or left floating.

3-3 Remocon Specification

1 POWER

Press to turn the power on or off.

2 DISPLAY

Press to display information about the current box settings and program: Time, channel ID, P.Locks. MTS language, program title, program duration, and the sound mode.

3 MTS (Multitrack Sound)

Press to select among the available "multitracks" (for example, depending on the particular broadcast, one or more foreign-language translations might be available).

4 FAV-CH (Favorite Channel) #1

Press to switch among your favorite channels.

5 +100 #2

Press to select cable-TV channels over 100.

6 Channel-Number Buttons #1, #2, #3, #4

Press to tune to directly tune to a particular channel.

7 VOLUME UP/DOWN #2

Press to increase or decrease the volume.

8 REW (Rewind) #3, #5

Press to rewind a videocassette or reverse search a DVD.

9 PAUSE #3, #5

Press to temporarily stop a videocassette or DVD. (A freeze-frame is displayed.)

10 STOP #3, #5

Press to stop the videocassette or DVD.

11 SELECT

Press to choose a particular component to be controlled by the remote. When you press SELECT, a green light will blink under the component that is being controlled (DTV, TV, VCR, CATV, or DVD). See "Programming the Remote Control," below.

12 TV/VIDEO #2

Press to view the signal sources that are available for display by the TV.

13 PRE-CH (Previous Channel) #1

Press to alternate between the current channel and the last channel that was displayed.

Special Notes:

#1 The Channel buttons
(CH ▼▲, FAV-CH):

To use these buttons, the available channels must first be memorized. (See page 3.1)

#2 The "TV" buttons
(VOL +-, Mute, TV/Video and +100):

To use these buttons. you must first switch the remote control to "TV" mode. (Use the SELECT button on the remote control to select "TV.")

#3 The "VCR" buttons
(FF, REW, PLAY, STOP, PAUSE):

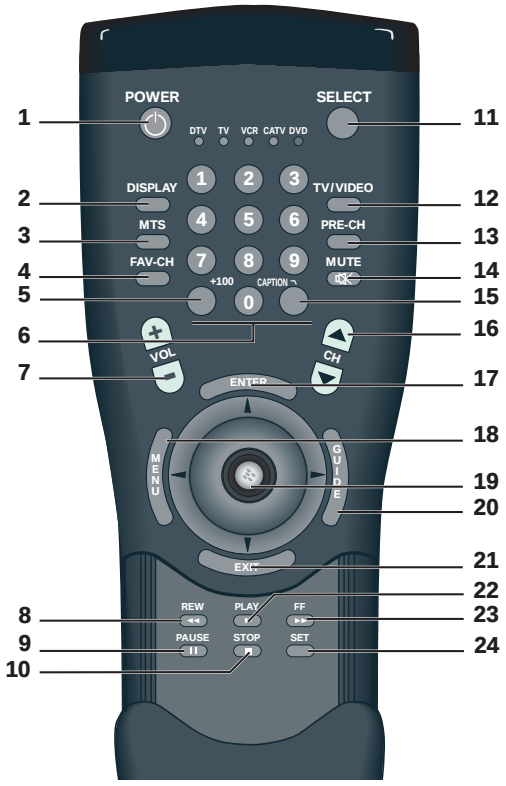
To use these buttons. you must first switch the remote control to "VCR" mode. (Use the SELECT button on the remote control to select "VCR.")

#4 The "CATV" buttons

To use the CABLE Set Top Box, you must first switch the remote control to "CATV" mode. (Use the SELECT button on the remote control to select "CATV.")

#5 The "DVD" buttons
(FF, REW, PLAY, STOP, PAUSE):

To use these buttons. you must first switch the remote control to "DVD" mode. (Use the SELECT button on the remote control to select "DVD.")



14 MUTE #2

Press to temporarily cut off the sound.

15 CAPTION

Press to switch on or switch off "captions" (on-screen text messages).

16 CH ▲▼ (Channel Up and Down) #1, #2, #3, #4

Press to change channels.

17 ENTER

While using the on-screen menus, press ENTER to activate (or change) a particular item.

18 MENU

Press to display the on-screen menu, or to switch back to the previous menu-screen that was displayed.

19 I-Point control

Use to move the on-screen pointer left, right, up or down.

20 GUIDE

Press to display the on-screen, Electronic Program Guide (EPG).

21 EXIT

Press to completely exit all the on-screen menus.

22 PLAY #3, #5

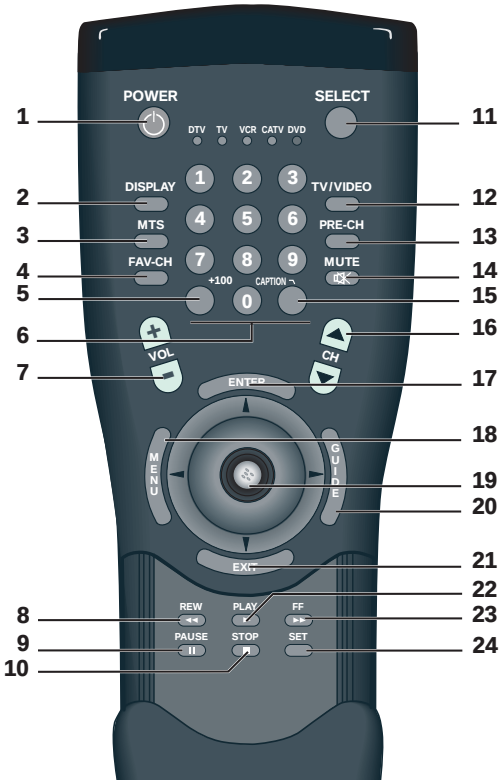
Press to play a videocassette or DVD.

23 FF (Fast Forward) #3, #5

Press to fast forward a videocassette or forward search a DVD.

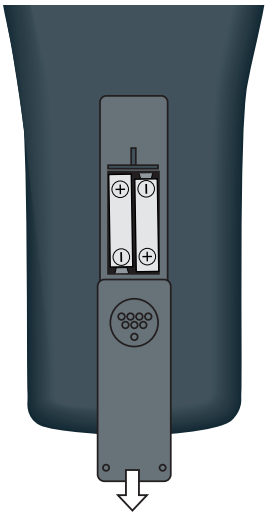
24 SET

Used to program the remote control for other components. (See "Programming the Remote Control," below.)



Installing the Batteries

Press and remove the battery cover on the back of the remote control. Put two AAA batteries into the compartment and replace the battery cover.



Programming the Remote Control

To program the remote control to operate a VCR, Cable Box, TV or DVD player, see "Programming the Remote Control to Operate Other Components" (See page A.1).

3-4 Connector Specification

CN801

Pin NO	NAME
1	D5V(DIGIATL)
2	ST5V(STANBY)
3	S0
4	S1
5	S2
6	S3
7	IR INPUT
8	SEG LOCK
9	/EPG_LED
10	DGND
11	DGND

CN802

Pin NO	NAME
1	D5V / 330mA
2	DGND
3	D5V / 270mA
4	DGND
5	D5V / 260mA
6	DGND
7	D3.3V / 916mA
8	DGND
9	D3.3V / 916mA
10	DGND
11	D3.3V / 916mA
12	DGND

CN803

Pin NO	NAME
1	ST5V / 16mA
2	DGND
3	POWER_ON
4	NC
5	NC
6	DGND

CN804

Pin NO	NAME
1	A12V / 40mA
2	AGND
3	A9V /540mA
4	AGND
5	A5V / 224mA
6	AGND
7	A30V / 10mA
8	AGND
9	LNB
10	AGND

CN805

Pin NO	NAME
1	-A5V/ 250mA
2	AGND
3	A12V / 25mA
4	AGND
5	A5V / 57mA
6	AGND
7	A3.3V / 64mA
8	AGND

3-5 Power Operating Description

3-5-1 General Description

LKM-621 consists of the Forward Converter (about 60KHz) and the Flyback Converter (about 100KHz). It turns ON/OFF the output using the Power ON port signal after applying power supply.

3-5-2 Line Filter & AC/DC Rectifier Circuit

The Line Filter controls the occurrance of both Common Mode Noise and Normal Mode Noise, by blocking the noise coming into the AC line and the power noise. A control circuit is contained, which protects the product when the inrush current and surge voltage are synchronized. The AC/DC Rectifier Circuit converts AC (which is connected to the smoothing capacitor through the bridge diode) to DC.

3-5-3 Stand-By Power Supply and Power ON Circuit

When the rectified DC voltage is applied to the +B line, the PWM-IC (TOP209P) operates and an 100KHz switching power is input to the secondary (and then is rectified by D20 and C55). At this time, the rectified but irregular voltage is output through A11 (LM78L05), C56,and C57. When the Stand-By power supply is output and the Power ON Signal is converted from “L” to “H”, the level of the PWM IC (KA7577) On/Off pin becomes low and simultaneously a pulse is output from the PWM IC.

3-5-4 Converter and PWM (Pulse Width Modulation) Circuit

After a pulse is output from the PWM IC, Q1 (IRF830) and T1 (X-FMR) are switched and send power to the secondary.
The non-sinusoidal power supply (sent to the secondary) is rectified (like on the systematic diagram) by each diode and multi-choke and capacitor. The rectified but unstable power supply is stablized and output through each regulator IC. At this time, the state of D+5.0V output is fed back through the OPTO (TLP521) and delivered to the PWM IC. Therefore, the width of pulse of PWM IC is controlled and the output voltage becomes regular.

3-5-5 DC to DC Converter (D+3.3V) Circuit

The non-sinusoidal wave of point F is changed to the triangle wave by R41, R42, C47, D15, D16, D17. The associated circuitry of A9B (LM393A) feeds back the output of D+3.3V and pass through A9A (LM393A).
A9A compares the two signals and generates a pulse and then operates Q3,Q4,Q5.
Depending on the output of D+3.3V, the width of pulse is controlled in order to keep the output voltage regular.

3-5-6 Overcurrent Protection Circuit

When the overload happens at the secondary, the primary switching current (passing through T1 and Q1) increases, and it is converted to the voltage source through R13 and then the PWM IC detects the voltage source to restrict the overload.

3-6 Video Signal Output Specification

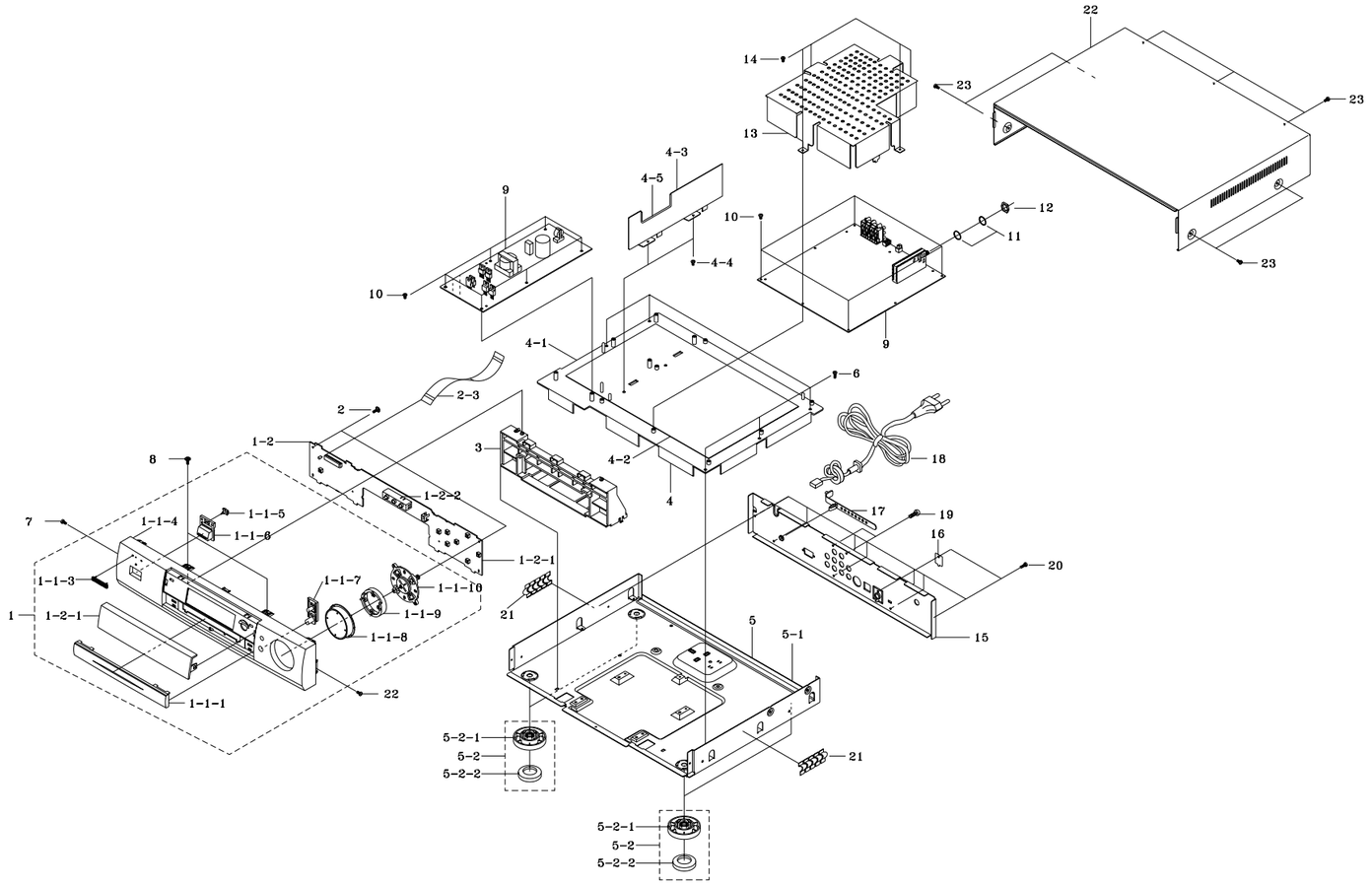
100% white signal reference

NAME	SIGNAL	SPEC
MONITOR OUTPUT	R	0.7Vpp
	G	0.7Vpp
	B	0.7Vpp
	H	TTL
	V	TTL
RGB OUTPUT	R	0.7Vpp
	G	0.7Vpp
	B	0.7Vpp
	H	TTL
	V	TTL
COMPONENT VIDEO OUTPUT	Y	1Vpp video : 0.7Vpp, sync : 0.3Vpp
	Pb	0.7Vpp
	Pr	0.7Vpp

MEMO

4. Exploded View & Parts List

4-1 SIRT100X/XAA



NO	CODE-NO	DESCRIPTION	SPECFICATION	Q`TY	REMARK
1	AA91-00131A	ASSY-CABINET,FRONT	-,SIR-T100,SIR-T100,A	1	
1-1-1	AA63-00085B	COVER-CENTER	ABS BLACK	1	
1-1-2	AA64-00305A	WINDOW-FLT	ACRYL VIOLET	1	
1-1-3	AA64-00311A	BAGGE-BRAND	AL SILVER 28mm	1	
1-1-4	AA64-00304A	PANEL-FRONT	ABS BLACK	1	
1-1-5	AA64-00310A	INDICATOR-POWER	ACRYL MILKY	1	
1-1-6	AA64-00306A	KNOB-POWER	ABS BLACK	1	
1-1-7	AA64-00308A	KNOB-OPEN(MENU)	ABS BLACK	1	
1-1-8	AA64-00307A	KNOB-PLAY(CONTROL)	ABS BLACK	1	
1-1-9	AA64-00309A	INDICATOR-PLAY(CONTROL)	ABS SILVER ÁõÂø	1	
1-1-10	AA64-00088A	HOLDER-PLAY(CONTROL)	ABS BLACK	1	
1-2	AA95-00194A	ASSY-PCB,FRONT	-,SIR-T100,T12A,-,-,USA	1	
1-2-1	AA41-00113A	FRONT-PCB	SIR-T100	1	
1-2-2	AA61-00084A	HOLDER-LED	ABS BLACK	1	
1-2-3	AA39-20160F	WIRE	CONNECTOR	1	
2	6003-001023	SCREW	RWH 3*10 YEL	2	C/F+F/PCB
3	AA61-00083A	FRAME-CHASSIS	ABS BLACK	1	
4	AA91-00133A	ASSY-FRAME,PCB	-,-,AL T=2.0 + PC T=0.5,S	1	
4-1	AA61-00095A	FRAME-PCB	AL T=2.0	1	
4-2	AA63-00086A	SHIELD-SHEET,PCB	PC + DOUBLE TAPE	1	
4-3	AA63-00094A	SHIELD-GUIDE	SECC T=0.8	1	
4-4	AA60-00014A	SCREW	BH M3*6 SILVER	2	
4-5	AA63-00124A	COVER-BUSHING	NYLON 66 NATURAL	1	
4-6	AA61-20069A	HOLDER-WIRE	NYLON 66 NATURAL	2	
4-7	AA65-30015A	HOLDER-WIRE	NYLON 66 NATURAL	2	
5	AA91-10132A	ASSY-CABINET,BOTTOM	SIR-T100,-,SECC T0.75 +		
5-1	AA61-00089A	CHASSIS-BOTTOM	SECC T=1.0	1	
5-2	AA64-00312A	FOOT-ASSY	ABS + RUBBER	4	
5-2-1	AA64-00313A	FOOT-BOTTOM	ABS BLACK	4	
5-2-2	AA63-00126A	SPACE-FOOT	RUBBER	4	
6	6003-000334	SCREW	RH 3*6 YEL	5	F/PCB+BOTTOM
7	6003-000334	SCREW	RH 3*6 YEL	2	FRONT+BOTTOM
8	6003-001023	SCREW	RWH 3*10 YEL	2	FRONT+CHASSIS
9	AA41-00074A	ASSY-MAIN,PCB	SIR-T100	1	
10	AA60-00014A	SCREW	RH M3*6 SILVER	10	PCB+FRAME
11	AA61-00117A	BRACKET-WASHER	SHRW SIL T=0.2	2	
12	AA61-00116A	BRACKET-NUT	SHRW SIL T=3.0	1	
13	AA63-00083A	SHIELD-CASE,MAIN	SPTE T=0.6	1	
14	AA60-00014A	SCREW	RH M3*6 SILVER	4	S/CASE+PCB
15	AA64-00282B	CABINET-REAR	SECC T=1.0	1	
16	AA63-00093A	COVER-E/JACK	SECC T=1.0	1	
17	AA65-00003A	CABLE-CLAMP	PE BLACK	1	
18	AA96-00156A	ASSY-POWER,CODE	-,EP2/YES(US),H/C100MM,K	1	
19	6003-001026	SCREW	RH 4*15 BLACK	2	RCA JACK+REAR
20	6003-000275	SCREW	BH 3*10	5	
21	AA61-00114A	BRACKET-GROUND	SPTE T=0.2	2	
22	AA64-00281A	CABINET-TOP	SECC T=0.7 VC	1	
23	AA61-00115A	BRACKET-SCREW	RH 3*6 SILVER	7	
	*** PACKING**				
1	AA69-00111B	PACKING-CASE	SW-3	1	
2	AA69-00112B	CUSHION-SET	EPS 0.02	1	
3	AA69-30032M	SHEET-BAG	HDPE T=0.3	1	

5. Electric Parts List

5-1 SIRT100X/XAA

ASSY-PCB,MAIN

Loc. No.	Code No.	Description ; Specification	Remark
*	AA94-01199A	ASSY-PCB,MAIN(OPT);SIRT100X/XAA,T12A,USA	
C1001	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1002	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C1003	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1004	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1005	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1006	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1007	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C1008	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1009	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1010	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1011	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1012	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1013	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1014	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1015	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1016	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1017	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1018	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1019	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1020	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1021	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1022	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1023	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1024	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1025	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C1026	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1027	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1028	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1029	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1030	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1031	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1032	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1033	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1034	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1035	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1036	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1037	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1038	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1039	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1040	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1041	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1042	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1043	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1044	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C1045	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1046	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1047	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1048	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	
C1049	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1050	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C1051	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1052	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	
C1053	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1054	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1055	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C1056	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1057	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1058	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1059	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1060	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1061	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1062	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C1063	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1064	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1065	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1066	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1067	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1068	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C1069	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C1070	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C1071	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1073	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1074	2404-000465	C-TA,CHIP;22uF,10%,16V,GP,TP,6032,-	
C1075	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1076	2404-000235	C-TA,CHIP;4.7uF,20%,16V,-,TP,3528,1.4	
C1077	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1078	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1079	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1080	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1081	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1082	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1083	2402-001044	C-AL,SMD;100uF,20%,25V,-,TP,8.3x8.3x6.3	
C1084	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1085	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C1087	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1088	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1089	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1090	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1091	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1092	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C1093	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1094	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1095	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1096	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1097	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1098	2404-000160	C-TA,CHIP;1UF,20%,50V,GP,TP,6032	
C1099	2203-001158	C-CERAMIC,CHIP;.068NF,5%,50V,NPO,TP,2012	
C1100	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C1101	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1102	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1104	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1105	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	
C1106	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1107	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1108	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C1109	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1110	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C1111	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C1112	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C1113	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C1114	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C1115	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C1120	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1121	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1122	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1123	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1124	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1125	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1126	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1127	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1128	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1129	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1130	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1131	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1132	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1133	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1134	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1135	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1136	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C1137	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
C201	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C202	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C203	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C204	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C205	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C206	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C207	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C208	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C209	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C210	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C211	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C212	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C213	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C214	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C215	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C216	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C217	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C218	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C219	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C220	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C221	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C222	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C223	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C224	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C225	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C226	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C227	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C228	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C229	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C230	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C231	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C232	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C233	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C234	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C235	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C236	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C237	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C238	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C239	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C240	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C241	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C242	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C243	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C244	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C245	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C246	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C247	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C248	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C249	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C250	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C251	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C252	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C253	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C254	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C255	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C256	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C257	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C258	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C259	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C260	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C261	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C262	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C263	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C264	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C265	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C266	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C267	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C268	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C269	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C270	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C271	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C272	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C273	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C274	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C301	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C302	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C303	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C304	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C305	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C306	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C307	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C308	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C309	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C310	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C311	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C312	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C313	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C314	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C315	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C316	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C317	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C318	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C319	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C320	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C321	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C322	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C323	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C324	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C325	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C326	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C327	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C328	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C329	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C330	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C331	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C332	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C333	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C334	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C336	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,201	
C337	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,201	
C338	2203-000891	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C346	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C347	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C348	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C349	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C366	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C367	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C368	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C369	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C370	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C371	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C372	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C373	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C374	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C375	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C376	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C377	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C378	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C379	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C380	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C381	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C382	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C383	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C384	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C385	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C387	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C389	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C390	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C392	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C395	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C396	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C397	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C398	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C399	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C400	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C401	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C402	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C403	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C404	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C405	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C406	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C407	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C408	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C409	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	

Loc. No.	Code No.	Description ; Specification	Remark
C410	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C411	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C412	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C413	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C414	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C415	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C416	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C417	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C418	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C419	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C420	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C421	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C422	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C423	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C424	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C425	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C426	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C427	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C428	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C429	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C430	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C450	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C451	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C452	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C453	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C454	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C455	2203-001088	C-CERAMIC,CHIP;5pF,0.25pF,50V,NPO,TP,201	
C456	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C457	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C458	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C459	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C460	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C461	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C462	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C463	2402-001070	C-AL,CHIP;470uF,20%,16V,GP,TP,10x10.2,-	
C501	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C502	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C503	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C504	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C505	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C506	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C507	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C508	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C509	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C510	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C511	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C512	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C513	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C514	2203-002442	C-CERAMIC,CHIP;330NF,+80-20%,25V,Y5V,TP,	
C515	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
C516	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
C517	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C518	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C519	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C520	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C521	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C522	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C523	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C524	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C525	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C526	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C527	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C528	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C529	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C530	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C531	2203-000818	C-CERAMIC,CHIP;.033NF,5%,50V,NPO,TP,2012	
C601	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C602	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C603	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C604	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C605	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C606	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C607	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C608	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C609	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C610	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012	
C611	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C612	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C613	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C614	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C615	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C618	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
C619	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
C620	2203-000142	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,TP,2012	
C621	2203-000374	C-CERAMIC,CHIP;15NF,10%,50V,X7R,TP,2012	
C622	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C623	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C624	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C625	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	
C626	2203-000374	C-CERAMIC,CHIP;15NF,10%,50V,X7R,TP,2012	
C627	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C628	2203-001105	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,2012	
C630	2404-000235	C-TA,CHIP;4.7uF,20%,16V,-,TP,3528,1.4	
C633	2203-001105	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,2012	
C635	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C636	2203-000374	C-CERAMIC,CHIP;15NF,10%,50V,X7R,TP,2012	
C638	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C639	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C640	2203-001002	C-CERAMIC,CHIP;.047NF,5%,50V,NPO,TP,2012	
C641	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C642	2402-001044	C-AL,SMD;100uF,20%,25V,-,TP,8.3x8.3x6.3	
C643	2404-000235	C-TA,CHIP;4.7uF,20%,16V,-,TP,3528,1.4	
C644	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C645	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C648	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C649	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C650	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C651	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C652	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C653	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C654	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C801	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C802	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C803	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C804	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C805	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C806	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C807	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C808	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C809	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C810	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C811	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C812	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C813	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C814	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C815	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C816	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C817	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C818	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C819	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C820	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C821	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C822	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C828	2203-000748	C-CERAMIC,CHIP;30pF,5%,50V,NPO,TP,2012,-	
C829	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C830	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C831	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C832	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C833	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C834	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C835	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C836	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C837	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C838	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C839	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C840	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C850	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C851	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C852	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C853	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C854	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C855	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C856	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C857	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
C858	2402-001044	C-AL,SMD;100uF,20%,25V,-,TP,8.3x8.3x6.3	
C859	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C860	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C861	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C862	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C863	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C864	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C865	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C866	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C870	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C871	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C872	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C873	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C874	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C875	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C901	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C902	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C903	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C904	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C905	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C906	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C907	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C908	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C909	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C910	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C911	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C912	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C913	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C914	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C915	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C916	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C917	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C918	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C919	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C920	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C921	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C922	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C923	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C924	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C925	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C926	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C927	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C928	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C929	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C930	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C931	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C932	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C933	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C934	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C935	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C936	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C937	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C938	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C939	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C940	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C941	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C942	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C943	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C944	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C945	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C946	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C947	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C948	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C949	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C950	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C951	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C952	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C953	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C954	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C955	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C956	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C957	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C958	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C959	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C960	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C961	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C962	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C963	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C964	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C965	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C966	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C967	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C968	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C969	2203-000239	C-CERAMIC,CHIP;.1NF,5%,50V,NPO,TP,2012	
C970	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
C971	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
C972	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C973	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C974	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C975	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C976	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C978	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C979	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C980	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C981	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C982	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C983	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C984	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,	
C985	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C986	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C987	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C989	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C990	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CN102	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
CN304	3701-000003	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	
CN305	3722-001356	JACK-RCA;10P(12P),3.4MM,NI,BLK,-	
CN306	AA60-40014A	PIN-GT,ASSY;1P,-,-,AUTO	
CN801	3711-000628	CONNECTOR-HEADER;-,11P,1R,2.5mm,STRAIGHT	
CN802	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN803	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5MM,STRAIGH	
CN804	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CN805	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
CNW102	AA39-20010D	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,400	
CNW802	AA39-20610C	LEAD CONNECTOR-ASSY;-,67096-012,S,12P,10	
CNW803	AA39-20038G	LEAD CONNECTOR-ASSY;-,67096-006,S,6P,100	
CNW804	AA39-20544A	LEAD CONNECTOR-ASSY;-,67096-010,S,10P,40	
CNW805	AA39-20040A	LEAD CONNECTOR-ASSY;-,67096-008,S,8P,300	
D101	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D102	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D103	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D104	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D105	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D106	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D107	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D108	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D109	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D110	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D111	0403-001281	DIODE-ZENER;BZT52-C11,10.4-11.6,410MW,SO	
D112	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D113	0403-001281	DIODE-ZENER;BZT52-C11,10.4-11.6,410MW,SO	
D114	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D115	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D116	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D117	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D118	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D119	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D120	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D121	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D122	0403-001282	DIODE-ZENER;BZT52-C15,13.8-15.6,410MW,SO	
D123	0403-001281	DIODE-ZENER;BZT52-C11,10.4-11.6,410MW,SO	
D124	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D125	0403-001283	DIODE-ZENER;BZT52-C33,31-35,410MW,SOD-12	
D126	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D127	0403-001282	DIODE-ZENER;BZT52-C15,13.8-15.6,410MW,SO	
D128	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D129	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D130	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D131	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D132	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D133	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D301	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D302	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D303	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D304	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	

Loc. No.	Code No.	Description ; Specification	Remark
D305	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D306	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D307	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D308	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D309	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D310	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D311	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D312	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D313	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D314	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D315	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D316	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D317	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D318	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D601	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D602	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D801	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D802	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D803	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D804	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D805	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D901	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D902	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D903	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D904	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D905	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D906	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D907	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D908	0401-000132	DIODE-SWITCHING;BAV99,70V,215mA,300mW,6n	
D909	0403-000620	DIODE-ZENER;RLZ5.6B,5.6V,5.45-5.73V,400m	
D911	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
DQ150	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
E301	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E302	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E303	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E304	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E305	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E306	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E307	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E308	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E309	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E310	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E311	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E312	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E313	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E314	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E315	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E316	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E317	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E318	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E601	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E901	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E902	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E903	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E904	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E905	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E906	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E907	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
E908	2901-001119	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
F101	2904-001072	FILTER-SAW AV;44MHz,SIP5K,TP,21.9dB,NTSC	
F102	2904-001072	FILTER-SAW AV;44MHz,SIP5K,TP,21.9dB,NTSC	
J601	3707-001005	CONNECTOR-OPTICAL;PLUG,SM,-,4.4/2.0MM	
J801	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
L101	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L102	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L103	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L104	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L105	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L106	2703-000158	INDUCTOR-SMD;1uH,10%,1.25x2x0.85mm	
L107	2703-000158	INDUCTOR-SMD;1uH,10%,1.25x2x0.85mm	
L108	2703-001717	INDUCTOR-SMD;1.2uH,5%,3.2x2.5x2.2mm	
L109	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L110	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L111	2703-001092	INDUCTOR-SMD;3.9uH,10%,1.25x2x1.25mm	
L112	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L113	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L114	2703-001245	INDUCTOR-SMD;8.2uH,10%,2x1.25x1.25mm	
L115	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L116	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L117	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L118	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L301	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L302	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L501	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L502	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L503	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L601	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm	
L602	2703-000392	INDUCTOR-SMD;10uH,5%,4.5x3.2x2.2mm	
L603	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L604	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L801	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L802	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L803	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L804	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L805	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L806	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L807	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L808	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L809	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L811	3301-001202	CORE-FERRITE BEAD;AB,4.5x3.2x1.3mm,-,-	
L812	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L814	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L817	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L818	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L819	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L820	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L821	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L822	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L823	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L824	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L825	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L826	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L827	3301-001324	CORE-FERRITE BEAD;AB,15OHM,2X1.25X0.9MM,	
L901	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L902	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L903	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
L904	3301-001186	CORE-FERRITE BEAD;AB,3.2x1.6x1.3mm,-,-	
Q101	0501-000525	TR-SMALL SIGNAL;BF799,NPN,280mW,SOT-323,	
Q102	0501-000525	TR-SMALL SIGNAL;BF799,NPN,280mW,SOT-323,	
Q103	0501-000525	TR-SMALL SIGNAL;BF799,NPN,280mW,SOT-323,	
Q104	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q302	0501-000200	TR-SMALL SIGNAL;2SC2735,NPN,150MW,SOT-23	
Q304	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q601	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q602	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q603	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q604	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q605	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q606	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
Q801	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
Q901	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q902	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
Q903	0505-001049	FET-GAAS;BSS84,-50V,20V,-130mA,250mW,SO	
R1001	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1002	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1003	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1004	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1005	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1006	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1007	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1008	2007-001043	R-CHIP;56ohm,5%,1/10W,DA,TP,2012	
R1009	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1010	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1011	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1013	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1014	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1015	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1016	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1017	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1018	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1019	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1020	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1021	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	

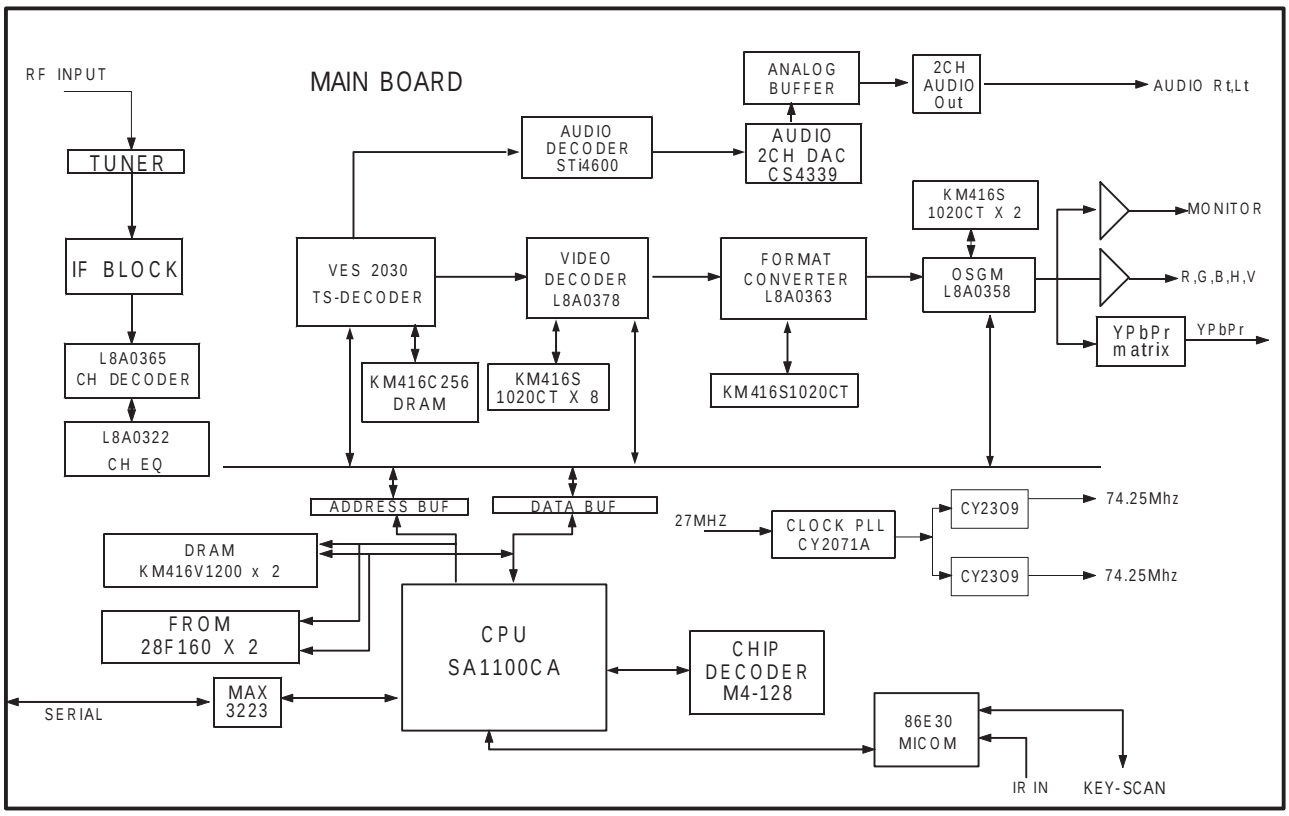
Loc. No.	Code No.	Description ; Specification	Remark
R1022	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1023	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1024	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1025	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1026	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1027	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1028	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1029	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1030	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1031	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1032	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1033	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1034	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1035	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1036	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1037	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1038	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1043	2007-001163	R-CHIP;75OHM,1%,1/10W,DA,TP,2012	
R1044	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1045	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1046	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R1047	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R1048	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R1049	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R1050	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1051	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1052	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1053	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R1054	2007-001043	R-CHIP;56ohm,5%,1/10W,DA,TP,2012	
R1055	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R1056	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1057	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R1058	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1059	2007-001043	R-CHIP;56ohm,5%,1/10W,DA,TP,2012	
R1060	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R1061	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R1062	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1063	2007-000859	R-CHIP;4.3KOHM,5%,1/10W,DA,TP,2012	
R1064	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1065	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R1066	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1067	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R1068	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R1069	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R1070	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R1071	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R1072	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1073	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R1074	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1075	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R1076	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R1077	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R1078	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1079	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R201	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R202	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R203	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R204	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R205	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R301	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
R302	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
R303	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R304	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R305	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R306	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R307	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R308	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R309	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R310	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R313	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R315	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R320	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R321	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R322	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R326	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R328	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R332	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R333	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R342	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R343	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
R344	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
R345	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R346	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
R347	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
R348	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R349	2007-000859	R-CHIP;4.3KOHM,5%,1/10W,DA,TP,2012	
R350	2007-000024	R-CHIP;1.3KOHM,5%,1/10W,DA,TP,2012	
R351	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R352	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R353	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R354	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R355	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R356	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R357	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R358	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R359	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R360	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R361	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R362	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R363	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R364	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R365	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R366	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R367	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R368	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R369	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R370	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R371	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R372	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R373	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R374	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R375	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R376	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R377	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R378	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R379	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R380	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R381	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R382	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R383	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R384	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R385	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R386	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R387	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R388	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R389	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R390	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R391	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R392	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R393	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R394	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R395	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R396	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R397	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R398	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R399	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R401	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R402	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R403	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R404	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R405	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R406	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R501	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R502	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R503	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R504	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R505	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R506	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R507	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R601	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R602	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R603	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R604	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R605	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
R606	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R607	2007-000003	R-CHIP;43KOHM,5%,1/10W,DA,TP,2012	
R608	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R609	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R610	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R611	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R614	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R615	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R616	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R617	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R618	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R619	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
R620	2007-000430	R-CHIP;16KOHM,5%,1/10W,DA,TP,2012	
R621	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
R622	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R623	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R624	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
R625	2007-000430	R-CHIP;16KOHM,5%,1/10W,DA,TP,2012	
R626	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
R627	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R628	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R629	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R630	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R631	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R632	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R633	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R634	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R635	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
R636	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
R637	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R638	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R639	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R640	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R642	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R643	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R644	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R645	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
R646	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
R647	2007-000728	R-CHIP;3000HM,5%,1/10W,DA,TP,2012	
R648	2007-000728	R-CHIP;3000HM,5%,1/10W,DA,TP,2012	
R649	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R650	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R655	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
R656	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
R801	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R802	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R803	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R804	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R805	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R806	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R807	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R808	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R809	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R810	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R811	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R812	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R813	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R814	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R815	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R816	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R817	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R818	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R819	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R820	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R901	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R902	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R903	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R904	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R905	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R906	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R907	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R908	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R909	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R910	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R911	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R912	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R913	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R914	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R915	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R916	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R917	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R918	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R919	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R920	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R921	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R922	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R923	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R924	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R925	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R926	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R927	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R928	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R929	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R930	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R931	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R932	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R933	2007-000348	R-CHIP;121OHM,1%,1/10W,DA,TP,2012	
R934	2007-002884	R-CHIP;71.5OHM,1%,1/10W,DA,TP,2012	
R935	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R936	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R937	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R938	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R939	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R940	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R941	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R942	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R943	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R944	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R945	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R946	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R947	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R948	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R949	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R950	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R951	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R952	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R953	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R954	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R955	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R956	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R957	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R958	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R959	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R960	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R961	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R962	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R963	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R964	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R965	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R966	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R967	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R968	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R969	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R970	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R971	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R972	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R973	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
SW902	3408-001048	SWITCH-SLIDE;30V,0.2A,DP4T,OFF-ON,-	
T101	AA40-10005Z	TUNER-F/S;ENA46903P4,NTSC/USA,TR,181CH	
U101	AA13-10002U	IC-ASIC;-,L8A0365,TQFP,208P,CH. DECODE	
U102	AA13-10002T	IC-ASIC;-,L8A0322,TQFP,144P,CH. EQUALI	
U103	1002-001073	IC-A/D CONVERTER;RC6508G,CMOS,SOP,24P,30	
U104	0803-000898	IC-TTL;74F244,BUFFER,SOP,20P,300MIL,O	
U105	0801-000714	IC-CMOS LOGIC;74HC244,BUFFER/DRIVER,SOP,	
U106	1002-001071	IC-A/D CONVERTER;AD9050BRS-28,10BIT,SOP,	
U107	0801-000714	IC-CMOS LOGIC;74HC244,BUFFER/DRIVER,SOP,	
U201	AA13-00068A	IC-ASIC;-,SDP-9901,PQFP,304P,VIDEO DEC	
U202	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U203	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U204	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U205	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U206	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U207	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U208	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	

Loc. No.	Code No.	Description ; Specification	Remark
U209	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U301	AA13-10002V	IC-ASIC;-,L8A0358,QFP,240P,OSGM	
U302	0801-000714	IC-CMOS LOGIC;74HC244,BUFFER/DRIVER,SOP,	
U303	1201-001457	IC-VIDEO AMP;6333,SOP,14P,150MIL,-,-,PLA	
U305	1201-001457	IC-VIDEO AMP;6333,SOP,14P,150MIL,-,-,PLA	
U307	1201-001457	IC-VIDEO AMP;6333,SOP,14P,150MIL,-,-,PLA	
U308	1201-001457	IC-VIDEO AMP;6333,SOP,14P,150MIL,-,-,PLA	
U310	1201-001457	IC-VIDEO AMP;6333,SOP,14P,150MIL,-,-,PLA	
U311	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U312	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U401	AA13-10002S	IC-ASIC;-,L8A0363,QFP,240P,FORMAT CONV	
U402	1105-001165	IC-DRAM;416S1020,512Kx16BITx2,TSOP,50P	
U501	0904-001257	IC-SYSTEM CONT.;VES2030,-,MQFP,208P,-,-,	
U502	1105-000141	IC-DRAM;416C256,256Kx16BIT,SOJ,40P,400	
U601	0904-001235	IC-DSP;STI4600,-,QFP,80P,-,33MHz,ST,C	
U603	1201-000247	IC-OP AMP;3403,SOP,14P,150MIL,QUAD,200V/	
U604	1002-001176	IC-D/A CONVERTER;CS4339-KS,18BIT,SOP,8P,	
U801	1301-001407	IC-EPLD;4-128/64,TQFP,100P,-,10NS,5V,1	
U802	1205-001563	IC-BUFFER;CY2071A,SOP,8P,150MIL,PLASTIC,	
U803	1205-001701	IC-BUFFER;CY2309SC-1H,TSSOP,16P,150MIL,P	
U804	1205-001701	IC-BUFFER;CY2309SC-1H,TSSOP,16P,150MIL,P	
U805	1006-001032	IC-LINE TRANSCEIVER;3223,SOP,20P,300MIL,	
U901	0902-001191	IC-MICROPROCESSOR;SA-1100CA,32BIT,LQFP,2	
U902	1107-001161	IC-FLASH MEMORY;28F160,1MX16BIT,TSOP,48P	
U903	1107-001161	IC-FLASH MEMORY;28F160,1MX16BIT,TSOP,48P	
U904	1105-001251	IC-DRAM;416V1200C,1MX16BIT,TSOP,44P,40	
U905	1105-001251	IC-DRAM;416V1200C,1MX16BIT,TSOP,44P,40	
U906	0802-001029	IC-BICMOS LOGIC;74LVTH16245,AND GATE,TSS	
U907	0802-001029	IC-BICMOS LOGIC;74LVTH16245,AND GATE,TSS	
U908	0802-001029	IC-BICMOS LOGIC;74LVTH16245,AND GATE,TSS	
U909	0802-001029	IC-BICMOS LOGIC;74LVTH16245,AND GATE,TSS	
U910	0801-002424	IC-CMOS LOGIC;74LVCC3245,BUS TRANSCEIVER	
U911	AA13-30019A	IC-MCU;-,Z86E3016PSC-OTP,8BIT,DIP,SPJ	
U912	1103-000180	IC-EEPROM;24C16,2Kx8BIT,SOP,8P,150MIL,10	
U913	1103-000180	IC-EEPROM;24C16,2Kx8BIT,SOP,8P,150MIL,10	
U914	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
U915	1203-001198	IC-POSI.ADJUST REG.;1086,-,3P,400MIL,PLA	
X101	2806-001178	OSCILLATOR-VCXO;43.048951MHz,25ppm,2TTL,	
X102	2801-003497	CRYSTAL-UNIT;49.58119MHz,20ppm,28-ABG,-,	
X501	2806-001212	OSCILLATOR-VCXO;27MHZ,30PPM,5TTL & CMOS(	
X901	2801-003754	CRYSTAL-SMD;3.6864MHZ,30PPM,28-AAN,18PF,	
X902	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
X903	2801-003433	CRYSTAL-UNIT;12MHz,30ppm,28-AAA,30pF,30o	
		ASSY-PCB,FRONT	
*	AA95-00194A	ASSY-PCB,FRONT;-,SIR-T100,T12A,-,-,USA	
C101	2201-000281	C-CERAMIC,DISC;1nF,79.8,50V,Y5V,TP,4x3.5	
C102	2401-001513	C-AL;47uF,20%,16V,WT,TP,5x11,5	
CON11	3711-003353	CONNECTOR-HEADER;BOX,11P,1R,2.5mm,ANGLE,	
D101	0601-000385	LED;ROUND,RED,3mm,700nm	
D102	0601-000368	LED;ROUND,GRN,3mm,570nm	
D103	0601-000385	LED;ROUND,RED,3mm,700nm	
R101	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
R102	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
R103	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
SW101	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW102	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW103	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW104	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW105	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW106	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SW107	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
U101	AA59-60002B	MODULE-REMOCON;-,ORC-50HF,38KHZ,940MM,ME	
		ASSY-PCB,POWER	
*	AA95-00347A	ASSY-PCB,POWER;SIRT100X/XAA,T12A,-,-,USA	
		ASSY-POWER,CORD	
	AA39-10007V	POWER-CORD;-,EP2/YES,SPT-2 18AWGx2C,2.4m	
	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	

Loc. No.	Code No.	Description ; Specification	Remark
		REMOCON	
*	AA59-00048A	REMOCON;-,TM61,CL7500FE,35,L/GRAY,S/S,	
		ASSY-CABINET	
*	AA90-00109A	ASSY-CABINET;T100,SIRT100X/XAA	
	AA61-00114A	BRACKET-GROUND;-,SIR-T100,SPTE 0.6,-,SIL	
	AA61-00116A	BRACKET-NUT,TUNER;-,SIR-T100,SWRCH18,3.0	
	AA61-00115A	BRACKET-SCREW;-,SIR-T100,ZPC,-,SIL,M3 TA	
	AA61-00117A	BRACKET-WASHER;-,SIR-T100,SWRCH18,0.25,S	
	AA64-00282B	CABINET-REAR;-,SIR-T100,-,SECC T1.0,-,-,	
	AA64-00281A	CABINET-TOP;-,SIR-T100,-,SECC ,-,-,T=0.7	
	AA65-00003A	CABLE-CLAMP;PE BLACK,-,-,-,SIR-T100,-	
	AA63-00093B	COVER-E/JACK;-,SIR-T100,-,SECC T1.0,-,-,	
	AA61-00083A	FRAME-CHASSIS;-,SIR-T100,-,-,-,-,ABS,BLA	
PCB+MO	AA60-10050N	SCREW-MACHINE;HH,HEX,FP,M3,L10,ZPC(BLK),	
PCB+FR	AA60-00014A	SCREW-SET;-,-,-,-,BLK,ZPC,M3*6	
S/CAS+	AA60-00014A	SCREW-SET;-,-,-,-,BLK,ZPC,M3*6	
	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,BLK ,SWCH101	
FR+BOT	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
F/PCB+	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
RCA+RE	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
C/F+F/	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	
FR+CHA	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	
	AA63-00083B	SHIELD-CASE,MAIN;-,SPTE T0.6,-,-,SIR-T10	
		ASSY-CABINET,FRONT	
*	AA91-00131A	ASSY-CABINET,FRONT;-,SIR-T100,SIR-T100,A	
	AA64-00311A	BADGE-BRAND;AL SILVER,-,-,-,-,SIR-T100,-	
	AA63-00085B	COVER-CENTER;-,SIR-T100,-,ABS BLK,-,-,-,	
	AA61-00088A	HOLDER—CONTROL,PLAY;-,SIR-T100,ABS BLAC	
	AA64-00309A	INDICATOR-CONTROL,PLAY;-,SIR-T100,-,ABS,	
	AA64-00310A	INDICATOR-POWER;-,SIR-T100,-,ACRYL MILKY	
	AA64-00307A	KNOB-CONTROL,PLAY;-,SIR-T100,-,ABS BLACK	
	AA64-00308A	KNOB-MENU,OPEN;-,SIR-T100,-,ABS BLACK,-,	
	AA64-00306A	KNOB-POWER;-,SIR-T100,-,ABS BLACK,-,-,	
	AA64-00304A	PANEL-FRONT;-,SIR-T100,-,ABS BLACK,-,-,-	
	AA64-00305A	WINDOW-FLT,LCD;-,SIR-T100,-,ACRYL VIOLET	
		ASSY-CABINET,BOT	
*	AA91-00132A	ASSY-CABINET,BOT;SIR-T100,-,SECC T0.75 +	
	AA61-00089A	CHASSIS-BOTTOM;-,SIR-T100,SECC T1.0,-,-,	
	AA64-00312A	FOOT-ASSY;-,SIR-T100,-,ABS BLACK,-,-,-	
	AA64-00313A	FOOT-BOTTOM;-,SIR-T100,-,ABS BLACK,-,-,-	
	AA63-00126A	SPACER-FOOT;EVA RUBBER,T=5.0,BLACK,-,SIR	
		ASSY-FRAME,PCB	
*	AA91-00133A	ASSY-FRAME,PCB;-,-,AL T=2.0 + PC T=0.5,S	
	AA65-30015A	CLAMP-WIRE;NYLON-66,V0,NTR,DATL-250,-,-	
	AA63-00124A	COVER-BUSHING;-,SIR-T100,-,NYLON66,HB,NT	
	AA61-00095A	FRAME-CC;-,SIR-T100,AL,-,T2.0,-,-,-,-,-	
	AA61-20069A	HOLDER-WIRE;-,-,NYLON-66,V0,NTR,PAWH-5NA	
	AA60-00014A	SCREW-SET;-,-,-,-,BLK,ZPC,M3*6	
	AA63-00094A	SHIELD-GUIDE;-,SECC T0.8,-,-,SIR-T100	
	AA63-00086A	SHIELD-SEET;-,PC T0.5 CLEAR,-,-,SIR-T100	
		ASSY-ACCESSORY	
	AA39-00033A	CABLE-RCA;-,RCA,2500MM,0.12/10,RED/GRN/B	
	AA39-00034A	CABLE-RCA;-,RCA,2500MM,0.12/10,RED/WHT,9	
	AA68-00358A	MANUAL-USERS;T12A,ENG,-,B5,W/P100(G),-	

6. Block Diagram



MEMO

7. Schematic Diagram

7-1 POWER