COLOR MONITOR

SyncMaster 570sTFT (CN15LS*)
SyncMaster 580sTFT (CN15LO*)

SERVICE Manual

COLOR MONITOR

SyncMaster 570sTFT

SyncMaster 580sTFT

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1 Precautions

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

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.
3. When the chassis is operating, semiconductor heatsinks are potential shock hazards.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the chassis and the anode lead. (Disconnect the AC line cord from the AC outlet.)
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. 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 (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

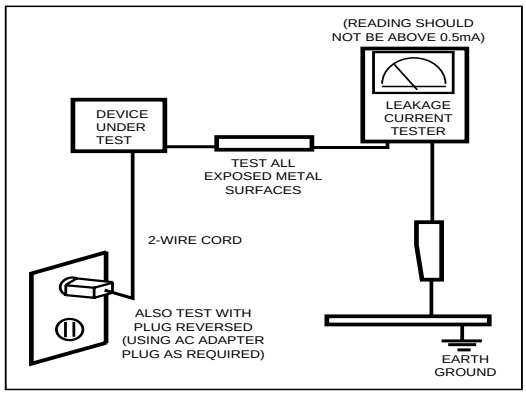


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC 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: 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.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and / or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. 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.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) 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.
6. 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 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. 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.
7. 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.

   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

Item	Description
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly white, 15-Inch viewable, 0.297 (H) x 0.297 (V) pixel pitch
Scanning Frequency	Horizontal : 30 kHz to 61 kHz (Automatic) Vertical : 50 Hz to 75 Hz (Automatic)
Display Colors	16,003,008 colors
Maximum Resolution	Horizontal : 1024 Pixels Vertical : 768 Pixels
Input Video Signal	Analog, 0.714 Vp-p ± 5% positive at 75 Ω, internally terminated
Input Sync Signal	Type: Seperate H/V sync, Composite H/V, Sync-on-Green, automatic synchronization without external switch of sync type Level: TTL level
Maximum Pixel Clock rate	80 MHz
Active Display Horizontal/Vertical	304.1 mm / 228.1 mm
AC power voltage & Frequency	AC 90 to 264 Volts, 60/50 Hz to 12V/3A
Power Consumption	25 W (normal)
Dimensions / Unit Weight / incl.Carton Unit (W x D x H) with: Standard base MultiMedia base Pivot MM base Angle Pivot base Wire-frame base Carton (W x D x H)	 385.4 x 364.7 x 173 mm / 5.20kg / 8.4kg 385.4 x 406.2 x 179 mm / 5.95kg / 9.6kg 385.4 x 406.2 x 179 mm / 5.95kg / 9.6kg 385.4 x 431.6 x 179.9 mm / 6.6kg / 9.8kg 385.4 x 339.2 x 79.7 mm / 4.4kg / 7.6kg 500 x 260 x 457 mm
Environmental Considerations	Operating Temperature : 50 °F to 104 °F (10 °C to 40 °C) Humidity : 10 % to 80 % Storage Temperature : 13 °F to 113 °F (-25 °C to 45 °C) Humidity : 5 % to 95 %
Audio Characteristics	• Built-in Microphone: High-sensitivity condenser microphone (mono) • Audio input: Left/Right Stereo phone jack, 0.5 Vrms • Sound output: 1.0 W (left) + 1.0 W (right)/THD 1% at 8ohm • Frequency response: 80 Hz~20 kHz (at –3dB) • Headphone: Max 50mW output (3.5-pi jack) • Speaker: Internal semi Dome (16ohm x 2)

- SyncMaster 570sTFT/580sTFT complies with SWEDAC (MPR II) recommendations for reduced electromagnetic fields.
- Designs and specifications are subject to change without prior notice.

2-2 Pin Assignments

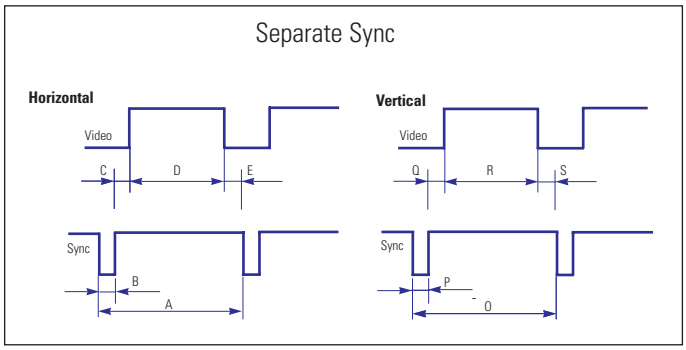
Sync Type / Pin No.	15-Pin Signal Cable Connector		
	Separate	**Composite**	**Sync-on-green**
1	Red	Red	Red
2	Green	Green	Green + H/V Sync
3	Blue	Blue	Blue
4	GND	GND	GND
5	GND (DDC Return)	GND (DDC Return)	GND (DDC Return)
6	GND-R	GND-R	GND-R
7	GND-G	GND-G	GND-G
8	GND-B	GND-B	GND-B
9	No Connection	No Connection	Not Used
10	GND-Sync/Self Test	GND-Sync/Self Test	GND-Sync/Self Test
11	GND	GND	GND
12	DDC Data	DDC Data	DDC Data
13	H-Sync	H/V-Sync	Not Used
14	V-Sync	Not Used	Not Used
15	DDC Data	DDC Data	DDC Data

2-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1. Timing Chart

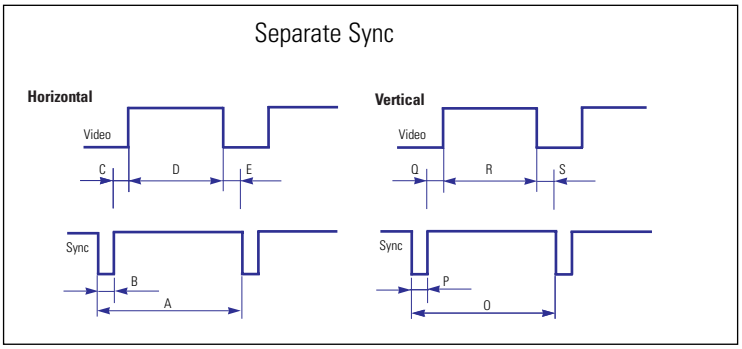
Mode / Timing	IBM			VESA			
	VGA1/70 Hz 640 x 350	VGA2/70 Hz 720 x 400	VGA3/60 Hz 640 x 480	640/72 Hz 640 x 480	640/75 Hz 640 x 480	800/56 Hz 800 x 600	800/60 Hz 800 x 600
fH (kHz)	31.469	31.469	31.469	37.861	37.500	35.156	37.879
A µsec	31.778	31.777	31.778	26.413	26.667	28.444	26.400
B µsec	3.813	3.813	3.813	1.270	2.032	2.000	3.200
C µsec	1.589	1.589	1.589	3.810	3.810	3.556	2.200
D µsec	26.058	26.058	26.058	20.825	20.317	22.222	20.000
E µsec	0.318	0.318	0.318	0.508	0.508	0.667	1.000
fV (Hz)	70.086	70.087	59.940	72.809	75.000	56.250	60.317
O msec	14.268	14.268	16.683	13.735	13.333	17.778	16.579
P msec	0.064	0.064	0.064	0.079	0.080	0.057	0.106
Q msec	1.716	0.858	0.794	0.528	0.427	0.626	0.607
R msec	11.504	13.155	15.761	13.100	12.800	17.067	15.840
S msec	0.985	0.191	0.064	0.026	0.027	0.028	0.026
Clock Frequency (MHz)	25.175	28.322	25.175	31.500	31.500	36.000	40.000
Polarity H.Sync	Positive	Negative	Negative	Negative	Negative	Positive	Positive
V.Sync	Negative	Positive	Negative	Negative	Negative	Negative	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

Table 2-1. Timing Chart Continued

Mode / Timing	VESA					MAC.	
	800/72 Hz 800 x 600	**800/75 Hz 800 x 600**	**1024/60Hz 1024x768**	**1024/70Hz 1024x768**	**1024/75Hz 1024x768**	**640/67 Hz 60 x 480**	**832/75 Hz 832 x 624**
fH (kHz)	48.077	46.875	48.363	56.476	60.023	35.000	49.726
A µsec	20.800	21.333	20.677	17.707	16.660	28.571	20.110
B µsec	2.400	1.616	2.092	1.813	1.219	2.116	1.117
C µsec	1.280	3.232	2.462	1.920	2.235	3.175	3.910
D µsec	16.000	16.162	15.754	13.653	13.003	21.164	14.524
E µsec	1.120	0.323	0.369	0.320	0.203	2.116	0.559
fV (Hz)	72.188	75.000	60.004	70.069	75.029	66.667	74.551
O msec	13.853	13.333	16.666	14.272	13.328	15.000	13.414
P msec	0.125	0.064	0.124	0.106	0.050	0.086	0.060
Q msec	0.478	0.448	0.600	0.513	0.466	1.114	0.784
R msec	12.480	12.800	15.880	13.599	12.795	13.714	12.549
S msec	0.770	0.021	0.062	0.053	0.017	0.086	0.020
Clock Frequency (MHz)	50.000	49.500	65.000	75.000	78.750	30.240	57.284
Polarity H.Sync	Positive	Positive	Negative	Negative	Positive	Negative	Negative
V.Sync	Positive	Positive	Negative	Negative	Positive	Negative	Negative
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the Sync Master 570s TFT / 580s TFT monitors.

WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

Cautions: 1. Disconnect the monitor from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

3-1-1 Removing the Stand

1. Remove 4 screws in the hinge area.
2. Pry it off the back of the monitor.
3. Disconnect Power Cord and Signal Cable.

3-1-2 Main Body Disassembly

1. Remove the 4 screws on the four corner of the Rear Cover.
2. Remove Rear Cover from the Front Cover.
3. Remove 11 screws on the Shield and remove the shield.
4. Disconnect Inverter wire, Function PCB wire and Interface wire.
   Remove 4 screws on the Main PCB and remove 2 screws on the D sub shield.
5. Remove the Main PCB Assembly.
6. Remove 6 screws on the Inverter PCB Assembly and then remove it
7. Remove 6 screws on the Rear Panel Bracket.
8. Remove the Bracket Assembly from the Front Cover.
9. Remove 3 screws on the Function PCB from locking area of Function knob and remove Function PCB.
10. Remove 4 screws on the Shield of Panel.
11. Remove the Shield.
12. Remove Rear Bracket from Panel.
13. Remove 2 screws between Panel Rear and Inverter PCB.
14. Remove the Interface wire on the Rear Side of Panel.

3-1-3 Standard Stand Disassembly

1. Remove 5 screws from the Stand Rear
2. Remove 4 screws from the Stand Bottom.
3. Remove Stand Front from the Stand assembly.
4. Remove 2 screws from the Stand assembly.
5. Remove the Stand Rear from the Stand assembly.
6. Remove 5 screws on the Vesa Brkt from the Stand assembly.
7. Remove cover hinge from the Stand assembly.
8. Remove Stand Base from the Stand assembly.

3-1-4 Pivot Multi-media Stand Disassembly (option)

1. Stand the stand assembly with the base close to you.
2. Remove the 4 screws on the back cover of the stand and remove it.
3. Stand the stand assembly upside down.
4. Remove the 4 screws.
5. Disconnect CN805, CN806, CN807, CN808, CN809, CN812 and F1.
6. Remove the Back Cover of the Stand Front assembly.
7. Remove 4 screws on the external adaptor and remove the adaptor.
8. Remove 2 screws between hinge and Stand Body.
9. Remove the hinge
10. Remove 2 screws on Audio main PCB and remove it
11. Remove 2 screws on the Audio Function PCB and remove it.

3-1-5 Angle Pivot Stand Disassembly (option)

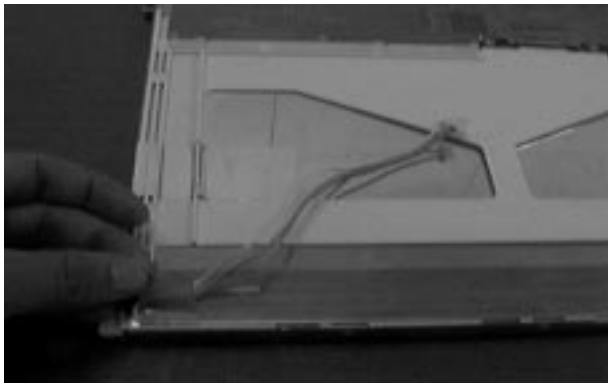
1. Remove the cap pivot from the stand assembly.
2. Remove the 4 screws on the hinge assembly.
3. Remove the 4 screws on the Stand Rear

4. Remove the Stand Rear from the Stand assembly.
5. Remove the Stand Front from the Stand assembly.
6. Remove the Neck Rear from the Stand assembly.
7. Remove the 4 Rubbers on the four corner of the Stand Bottom and the 4 screws on the four corner of the Stand Bottom.
8. Remove the 5 stopper hings from the Bracket Bottom.
9. Remove the Stand Base from the Stand Assembly.

3-1-6 Wire frame stand Disassembly (option)

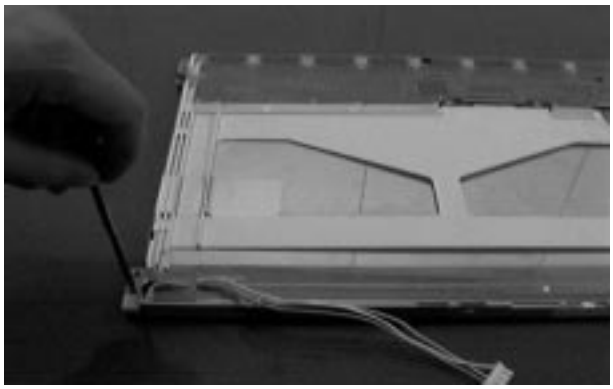
1. Carefully pull the cover hinge.
2. Remove the cover vesa from the Stand assembly.
3. Remove 4 screws on the assembly Bracket assembly.

3-2 Replacement Order of Lamp Assemblies (CN15LSB/CN15LOB : Toshiba Panel)

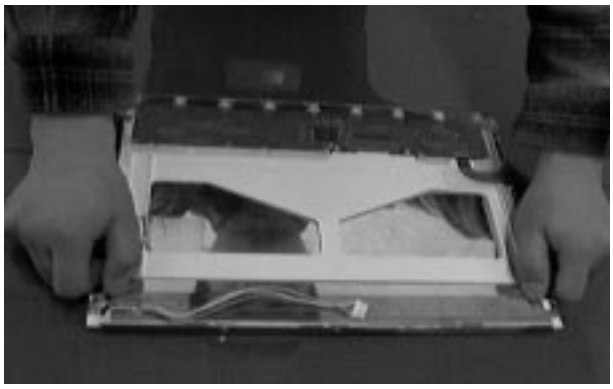


1. Removing the lamp wire holding tape from the metal chassis on the bottom side.

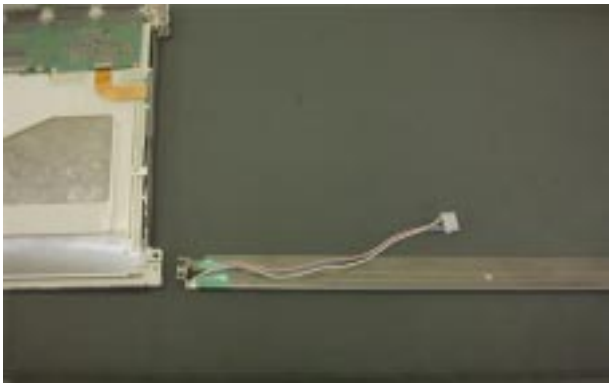
1-1 Taking out the lamp wire from the lamp wire holder.



2. Unscrewing the screw.
   Unscrewing force : 0.8 ~1 Kg - f.cm

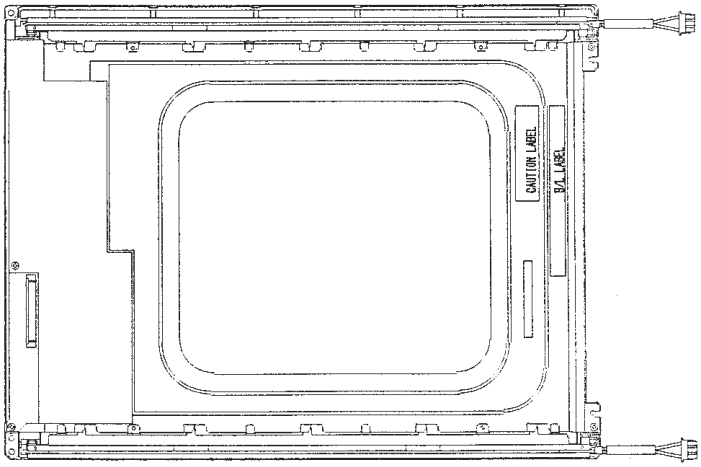


3. Pulling out the lamp assembly with stable power and direction slowly.
   Be careful, do not twist the lamp reflector when pulling the lamp.

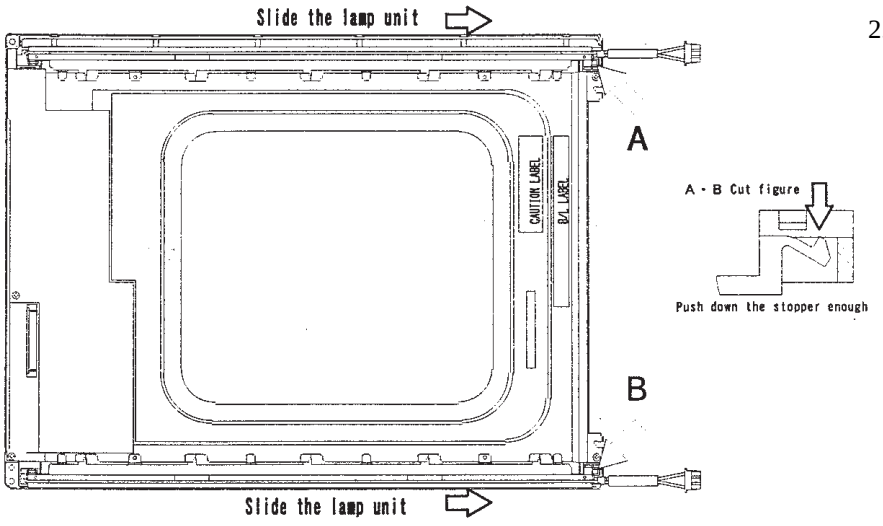


4. Dis-assembled the lamp ass'y from LCD completely.

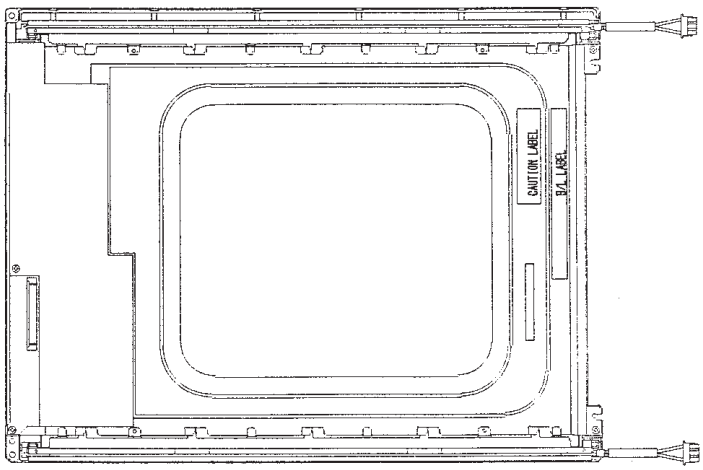
3-3 Replacement Order of Lamp Assemblies (CN15LSS/CN15LOS : Samsung Panel)



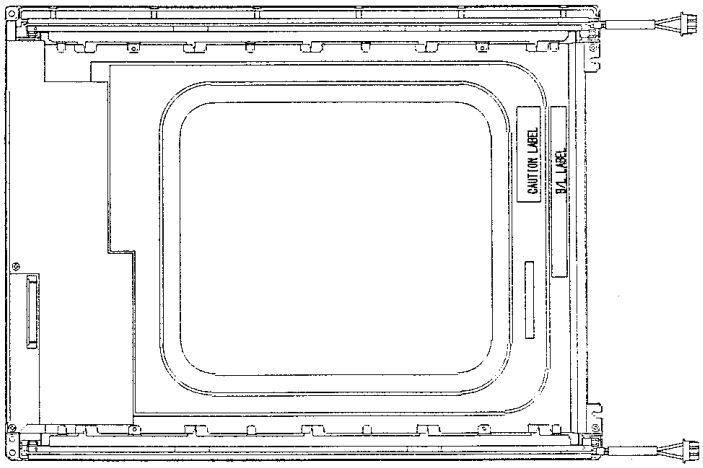
1. After confirm there is nothing on the disk
   Turn the LCD module over and put it on a flat desk set to the ground.



2. Push down the stopper and slide the lamp unit.



3. Please take out the lamp unit from the LCD module.



4. Please fix the new lamp units on the LCD module : opposite process 2 and 3

* Replacement of lamp unit should be done at the power off state and recommanded clean bench condition.

3-4 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

MEMO

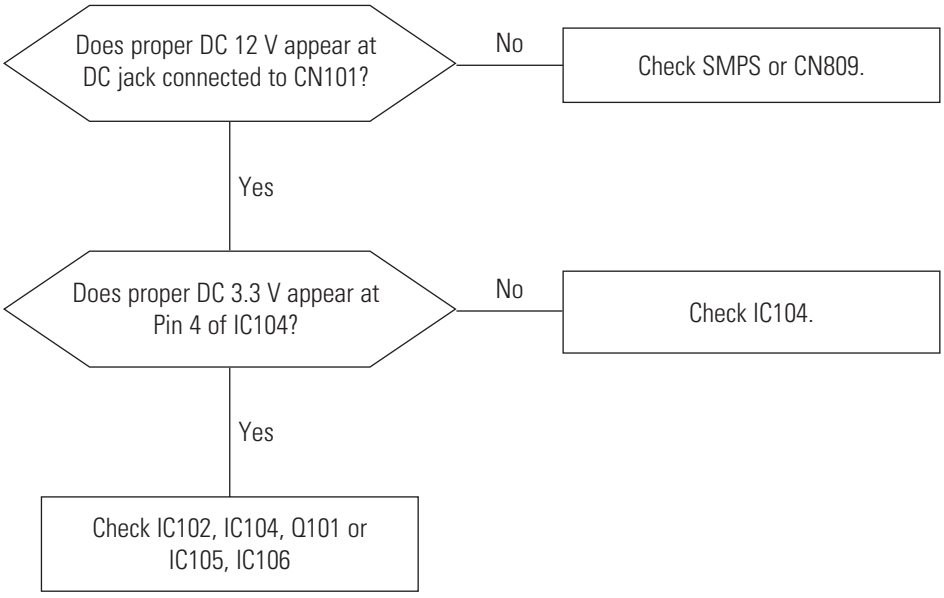
4 Troubleshooting

Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1024 x 768
- H-frequency: 48 kHz
- V-frequency: 60 Hz

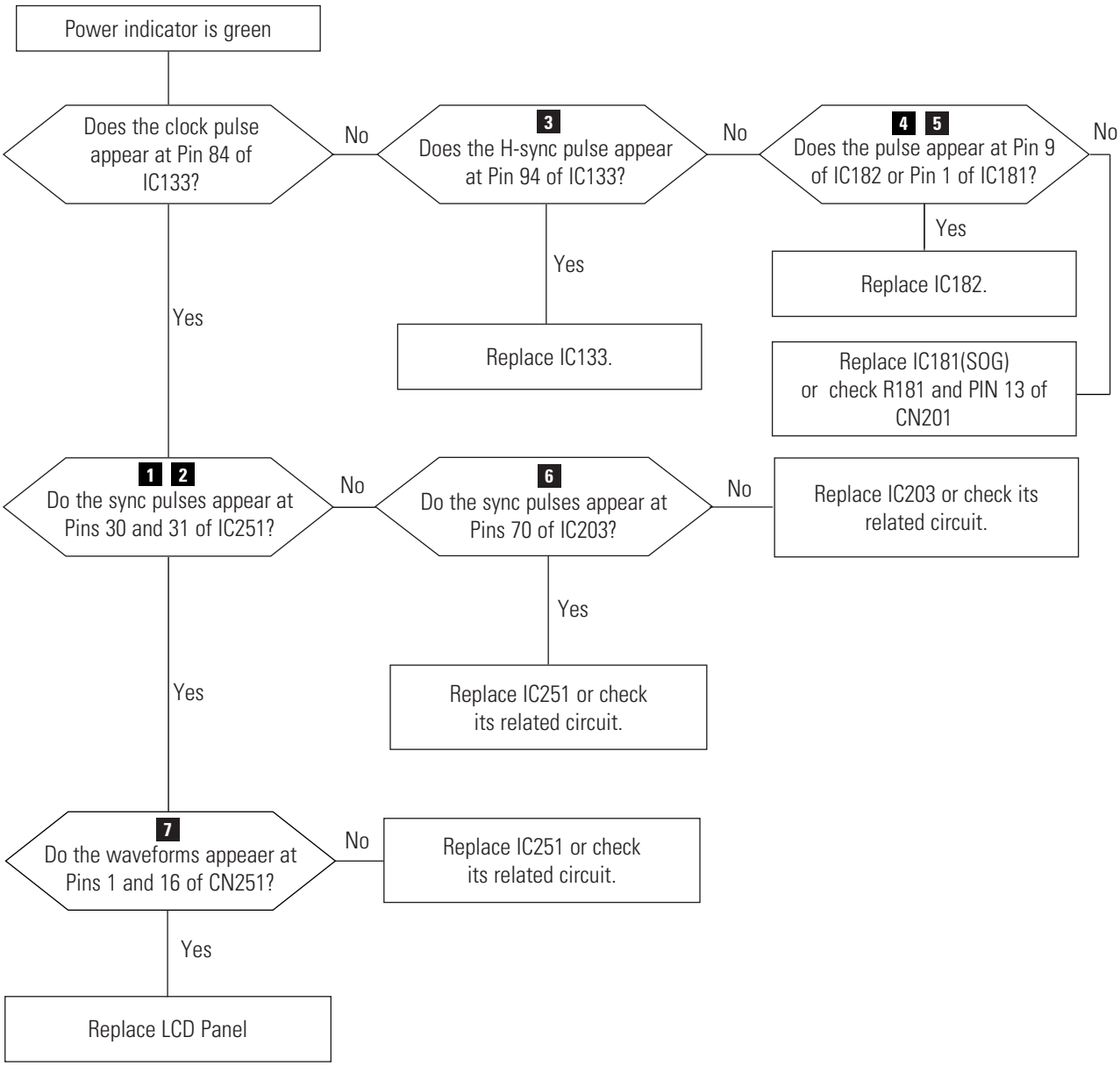
2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
- No raster appears: Audio PCB, SMPS PCB, Main PCB
- 12V develop but no screen: Main PCB
- 12V does not develop: Audio PCB, SMPS PCB

4. If you push and hold the "EXIT" button for more than 5 seconds, the monitor automatically turns back to the factory preset.

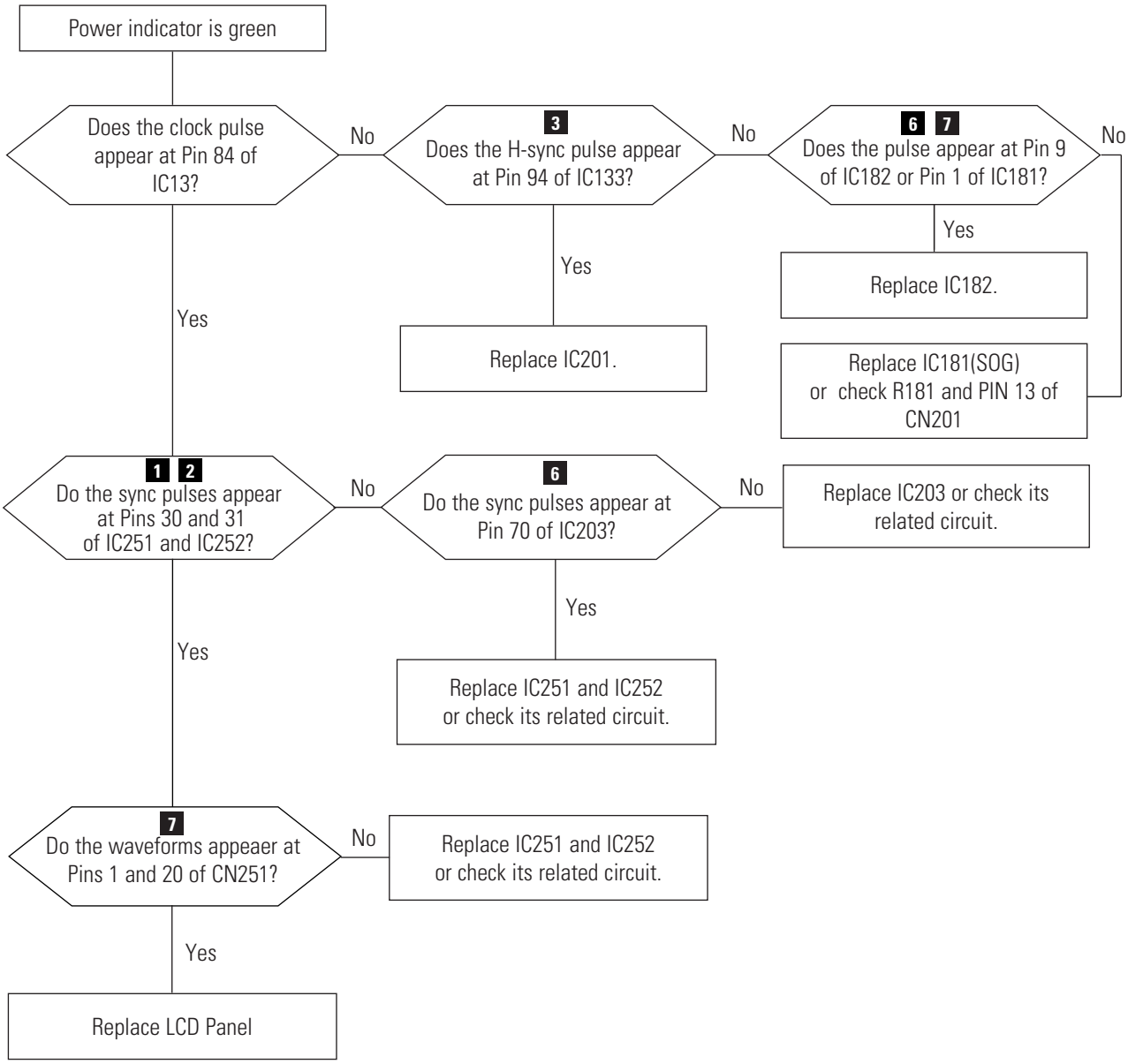
4-1 No Power (CN15LSS/LOS) (CN15LSB/LOB)



4-2-A No Video (CN15LSS/LOS)

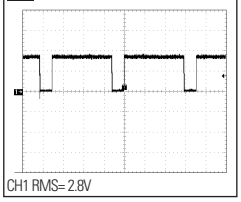


4-2-B No Video (CN15LSB/LOB)



WAVEFORMS

1 IC251 #30



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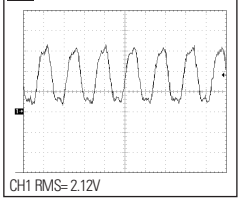

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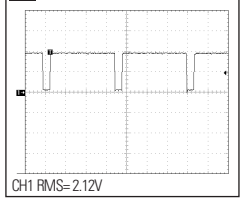

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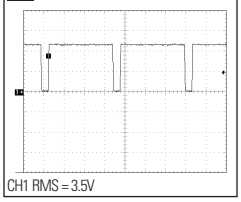

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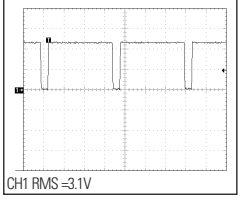
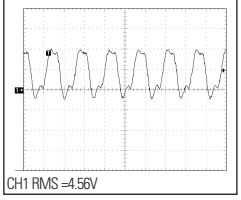
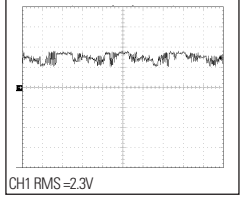


6 IC203 #1

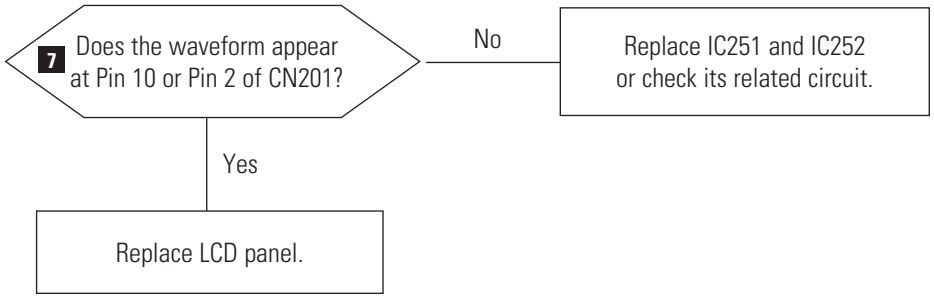


7 IC251 #141

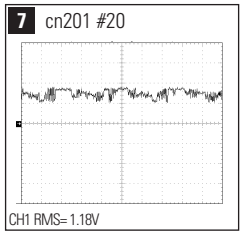


4-3 No Video of Alternate Vertical Line (CN15LSS/LOS) (CN15LSB/LOB)

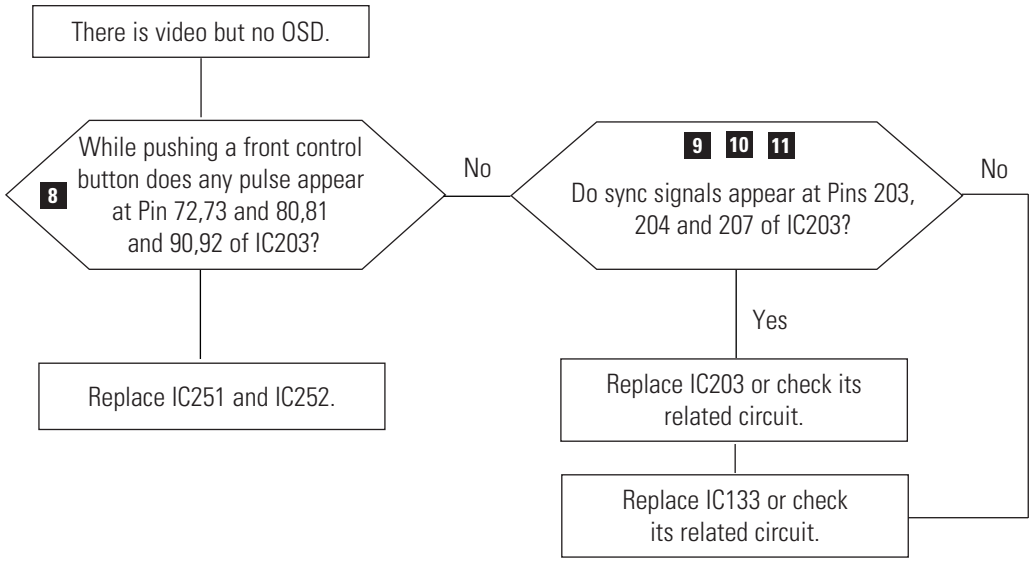
One or more even or odd vertical lines do not display.



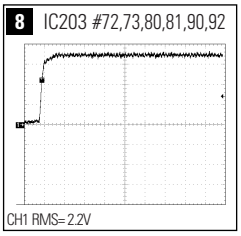
WAVEFORMS

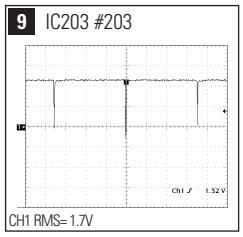


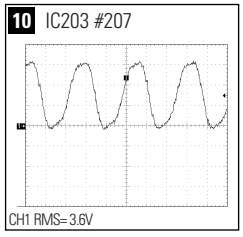
4-4 No OSD (CN15LSS/LOS) (CN15LSB/LOB)

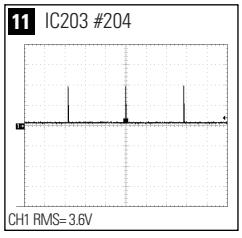


WAVEFORMS

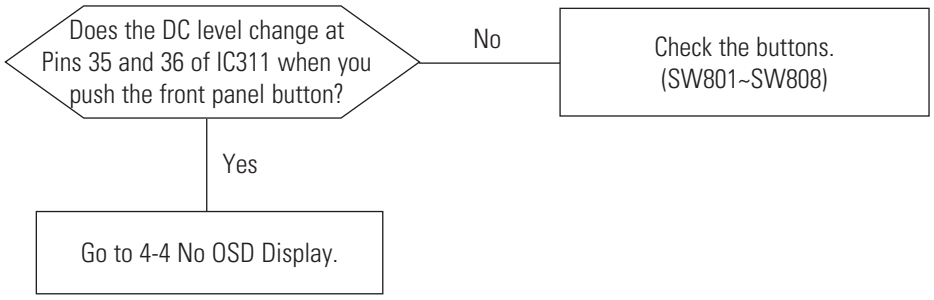




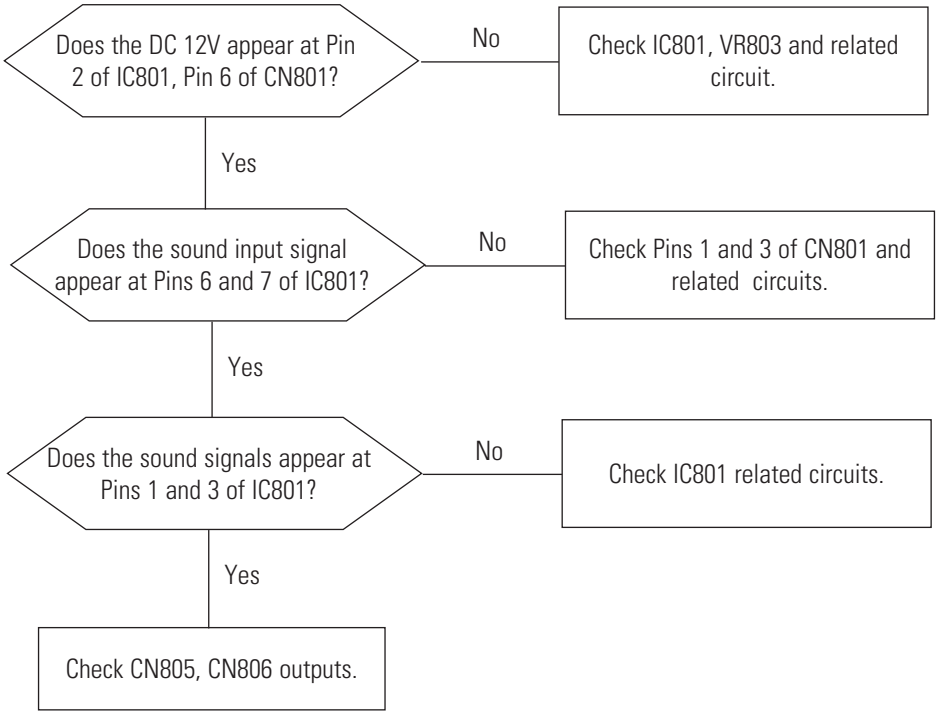




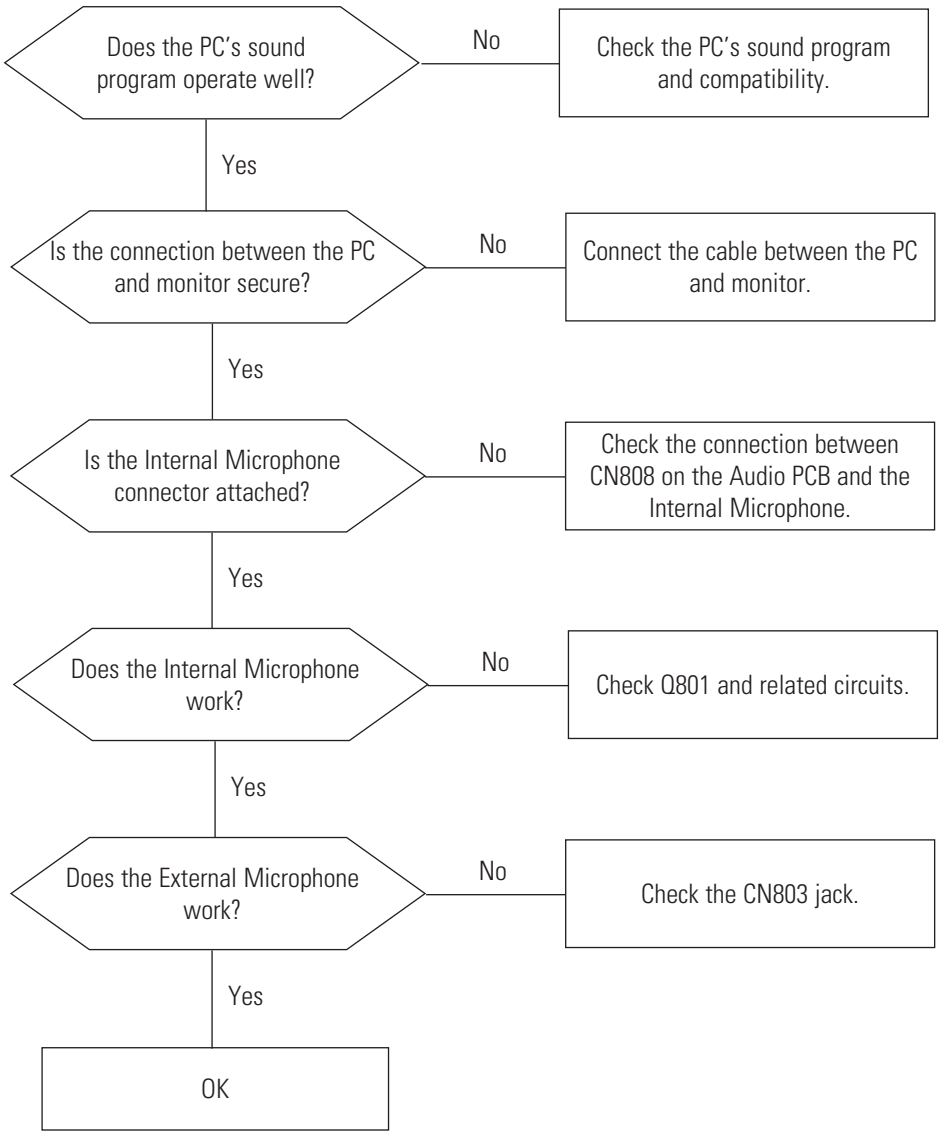
4-5 User Controls Don't Work (CN15LSS/LOS) (CN15LSB/LOB)



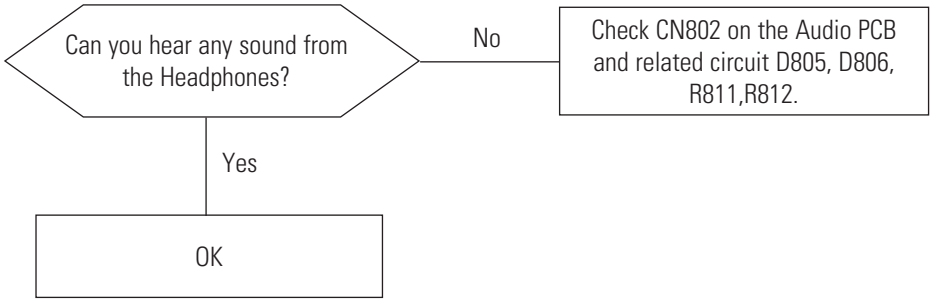
4-6 No Sound (CN 15LSS/LOS) (CN15LSB/LOB)



4-7 Microphones Don't Work



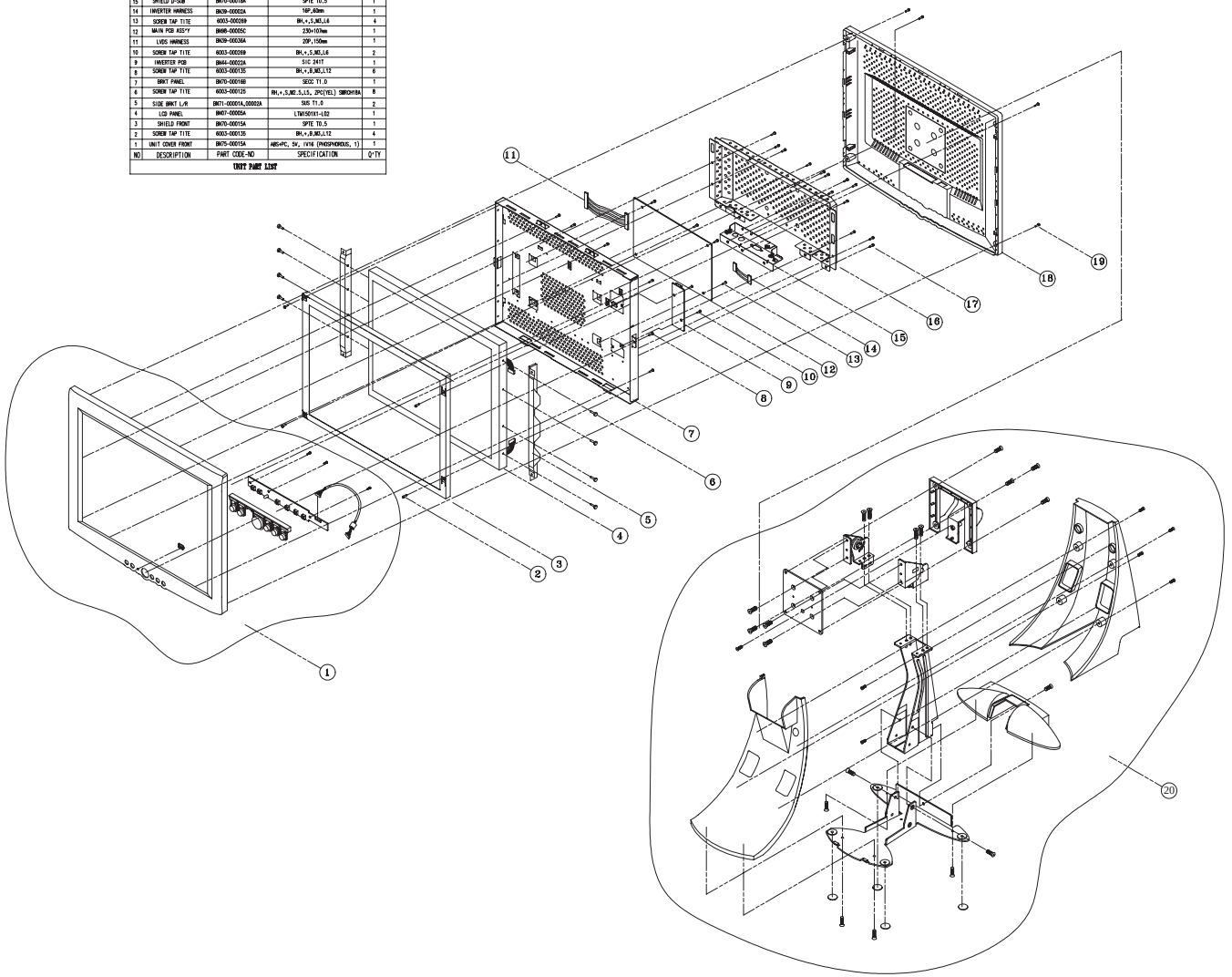
4-8 Headphones Don't Work



5 Exploded View and Parts List

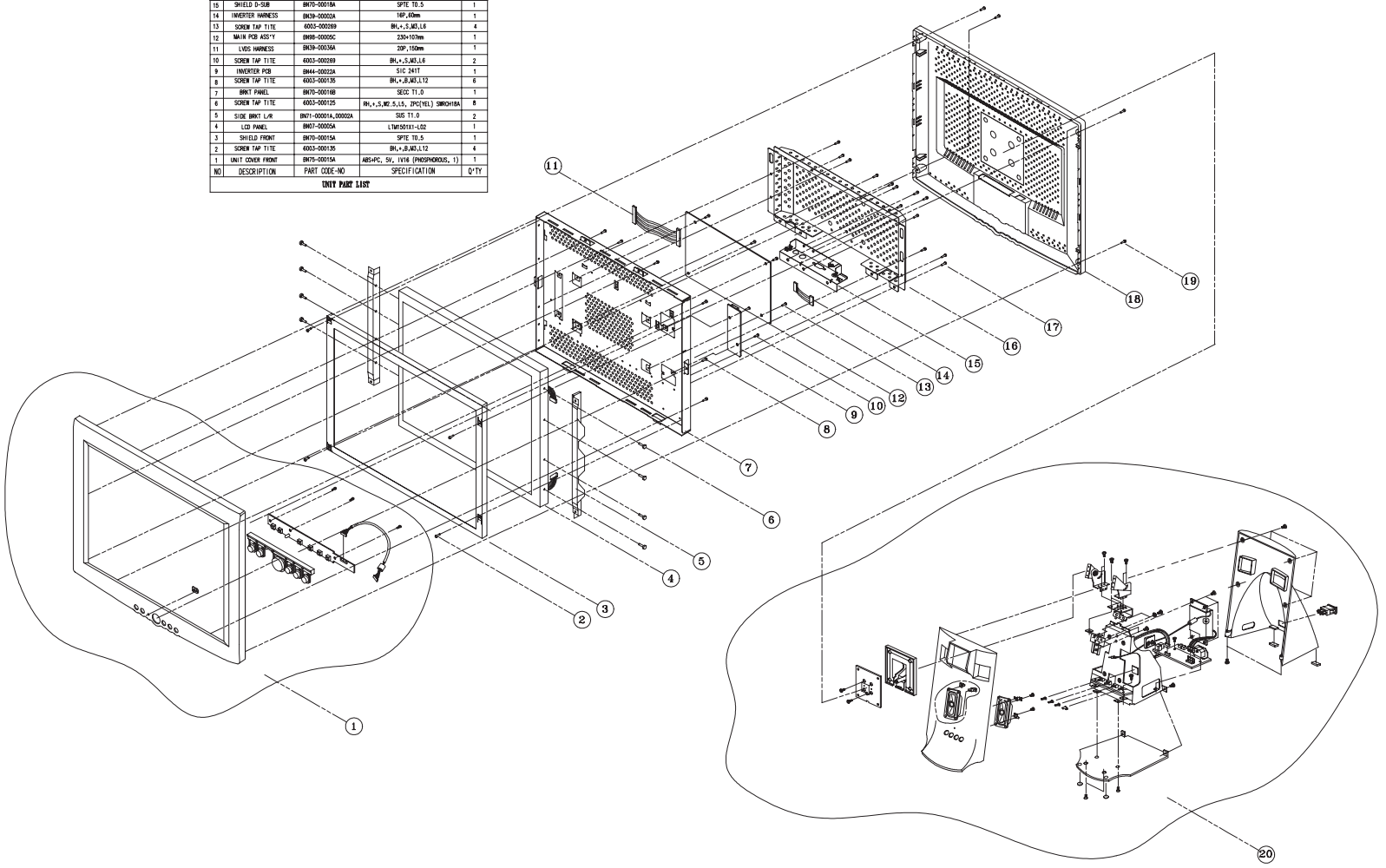
5-1 Simple Base (CN15LSS)

NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
		UNIT PART LIST		
20	UNIT STAND	BN75-00017A	-	1
19	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
18	COVER REAR	BN72-00007A	ABS+PC, SV, IV16 (PHOSPHOROUS, 1)	1
17	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
16	SHIELD PCB	BN70-00017A	SECC T0.8	1
15	SHIELD D-SUB	BN70-00016A	SPTE T0.5	1
14	INVERTER HARNESS	BN39-00002A	16P,450mm	1
13	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
12	MAIN PCB ASS'Y	BN96-00005C	230x107mm	1
11	LVDS HARNESS	BN39-00036A	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
9	INVERTER PCB	BN44-00002A	SIC 24VT	1
8	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
7	BRKT PANEL	BN70-00016B	SECC T1.0	1
6	SCREW TAP TITE	6003-000125	BH,+,S,M2.5,L5, ZPC(YEL) SWCH18A	8
5	SIDE BRKT L/R	BN71-00001A,00003A	SUS T1.0	2
4	LCD PANEL	BN07-00005A	LTM150X1-L02	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, SV, IV16 (PHOSPHOROUS, 1)	1



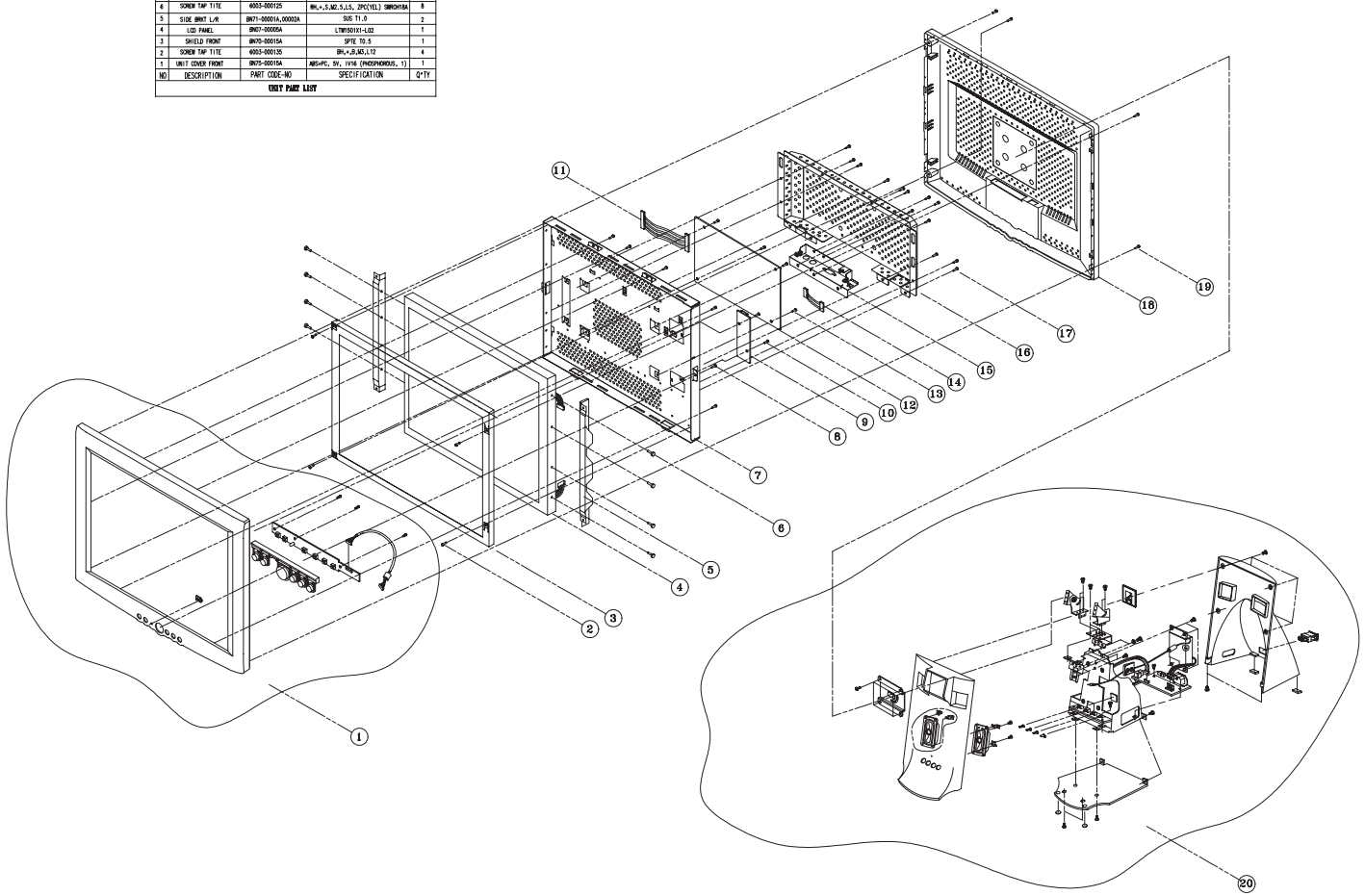
5-2 MultiMedia Base (CN15LSS)

NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
UNIT PART LIST				
20	UNIT STAND MULTI	BN59-00036A	-	1
19	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
18	COVER REAR	BN72-00007A	ABS+PC, 5V, IV16 (PHOSPHOROUS, 1)	1
17	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
16	SHIELD PCB	BN70-00017A	SECC T0.8	1
15	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
14	INVERTER HARNESS	BN39-00002A	16P,60mm	1
13	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
12	MAIN PCB ASS'Y	BN96-00005C	230x107mm	1
11	LVDS HARNESS	BN39-00036A	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
9	INVERTER PCB	BN44-00022A	SIC 241T	1
8	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
7	BRKT PANEL	BN75-00016B	SECC T1.0	1
6	SCREW TAP TITE	6003-000125	WH,+,S,M2.5,L5, ZPC(YEL) SWRCH18A	8
5	SIDE BRKT L/R	BN71-00001A,00002A	SUS T1.0	2
4	LCD PANEL	BN07-00005A	LTM150X1-L02	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, 5V, IV16 (PHOSPHOROUS, 1)	1



5-3 Pivot-MultiMedia Base (CN15LSS)

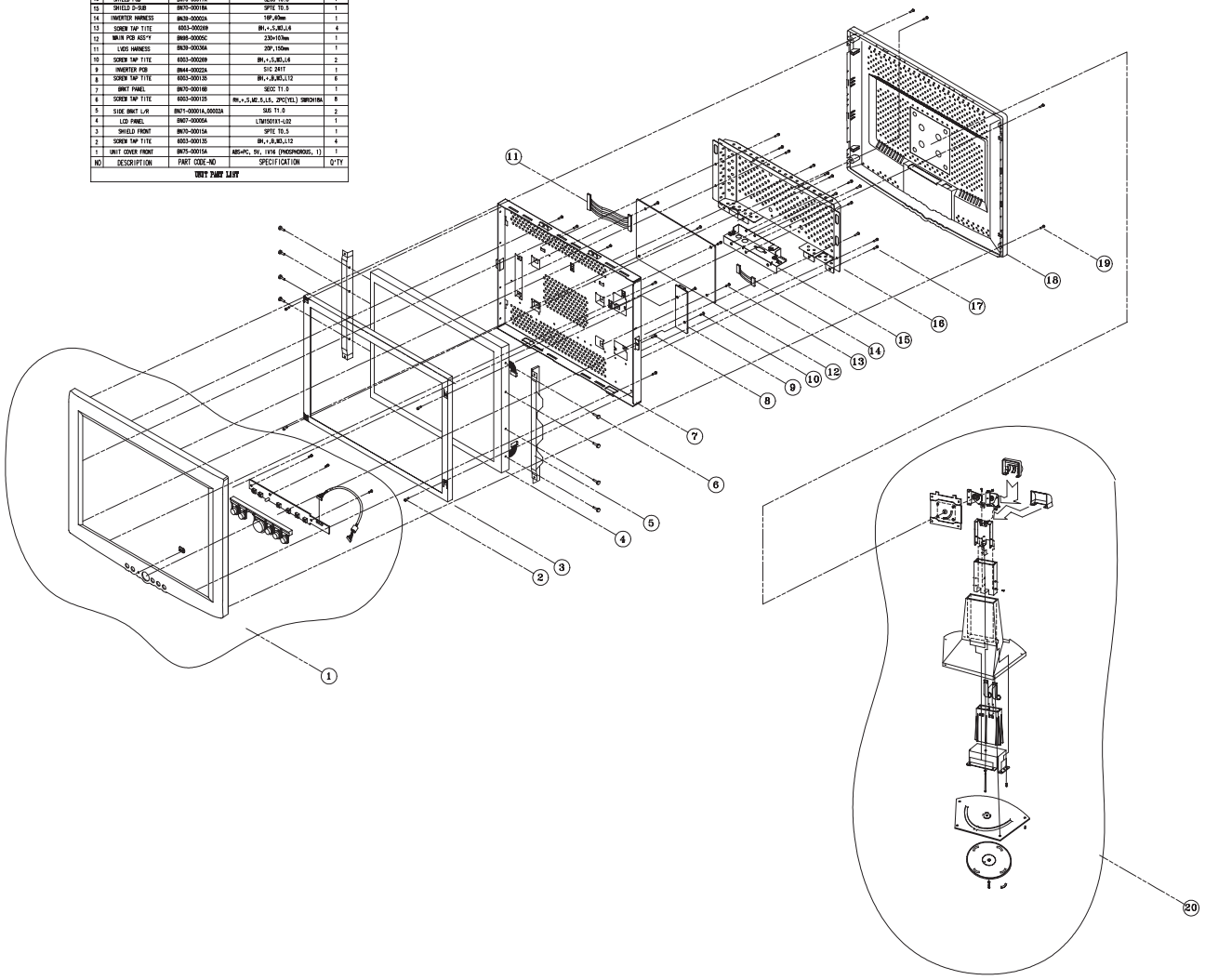
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
		UNIT PART LIST		
20	UNIT STAND PIVOT MULTI	BN59-00037A	-	1
19	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
18	COVER REAR	BN72-00007A	ABS+PC, SV, HV94 (PHOSPHOROUS, 1)	1
17	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
16	SHIELD PCB	BN70-00017A	SECC T0.8	1
15	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
14	INVERTER HARNESS	BN39-00002A	18P,60mm	1
13	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
12	MAIN PCB ASSY	BN96-00005C	230+107mm	1
11	LVDS HARNESS	BN39-00038A	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
9	INVERTER PCB	BN44-00022A	SIC 2417	1
8	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
7	BRKT PANEL	BN75-00016B	SECC T1.0	1
6	SCREW TAP TITE	6003-000125	BH,+,S,M2.5,L5, ZPC(YEL) SWRCH18A	8
5	SIDE BRKT L/R	BN71-00001A,00002A	SUS T1.0	2
4	LCD PANEL	BN07-00005A	LTM150X1-L02	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, SV, HV94 (PHOSPHOROUS, 1)	1



5-4 Angle-Pivot Base (CN15LSS)

NO	DESCRIPTION	PART CODE-IND	SPECIFICATION	Q'TY
20	UNIT STAND PIVOT	BN75-00085B	-	1
19	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	4
18	COVER REAR	BN72-00007A	ABS+PC, 5V, IV#6 (PHOSPHOROUS, 1)	1
17	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	13
16	SHIELD PCB	BN70-00017A	SECC T0.8	1
15	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
14	INVERTER HARNESS	BN39-00002A	14P,40mm	1
13	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	4
12	MAIN PCB ASS'Y	BN96-00005C	230x167mm	1
11	LVDS HARNESS	BN39-00036A	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	2
9	INVERTER PCB	BN44-00022A	SIC 3417	1
8	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	6
7	BRKT PANEL	BN70-00018B	SECC T1.0	1
6	SCREW TAP TITE	6003-000135	RH,+,5,M2.6,L5, ZPC(YEL) SWRCH16A	8
5	SIDE BRKT L/R	BN71-00001A,00002A	SUS T1.0	2
4	LCD PANEL	BN07-000005A	LTM150X1-L02	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, 5V, IV#6 (PHOSPHOROUS, 1)	1

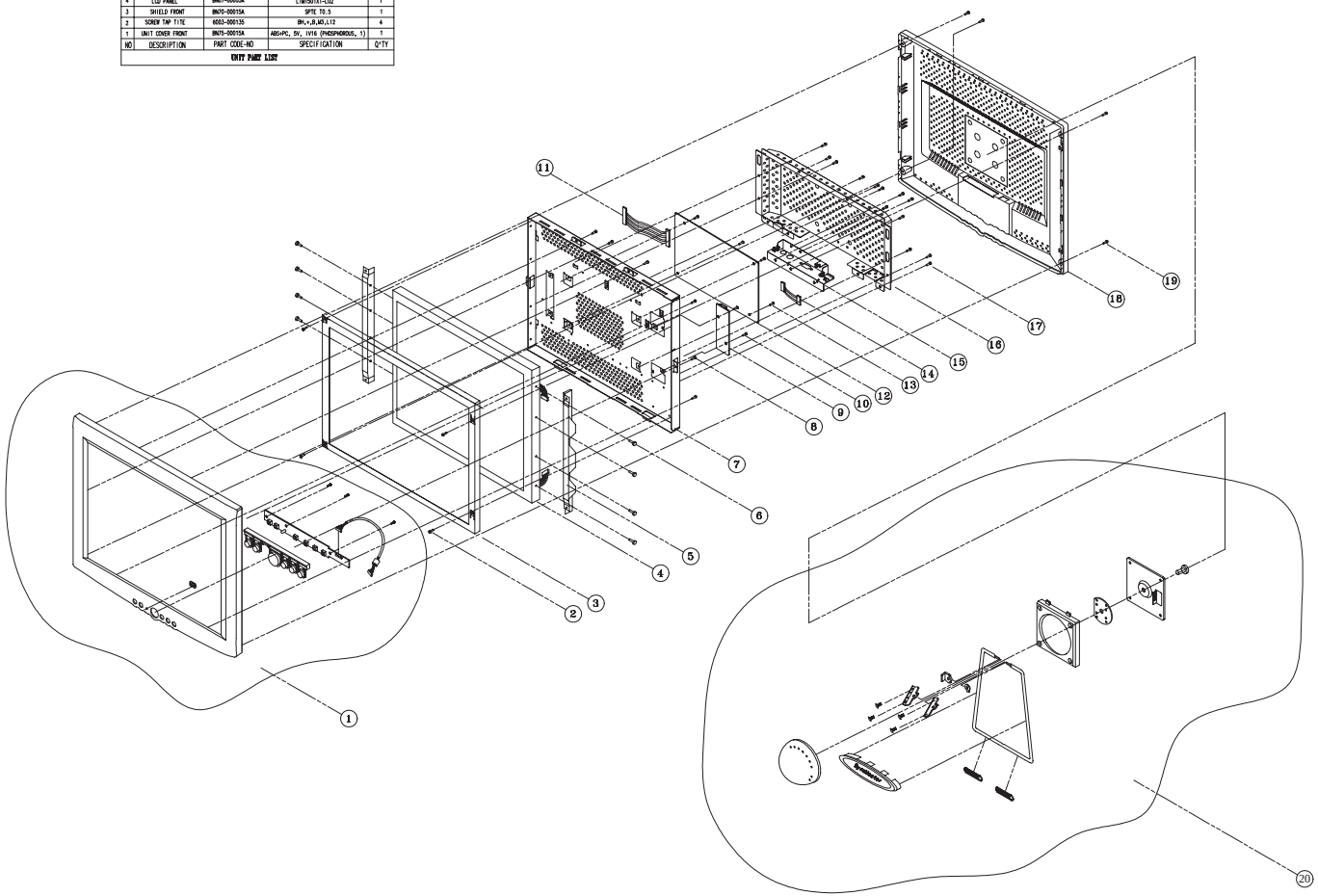
UNIT PART LIST



5-5 Wire-Frame Base (CN15LSS)

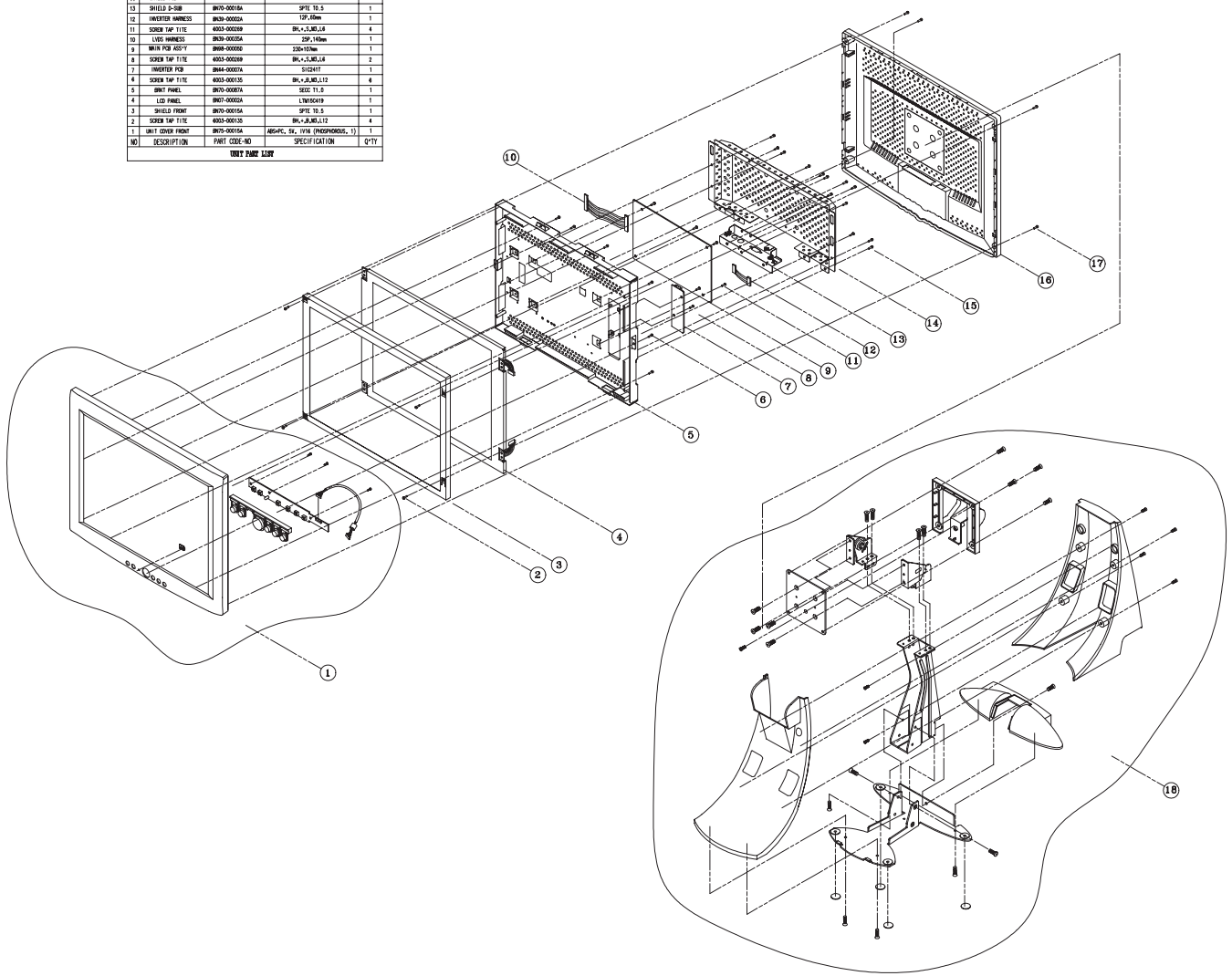
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
20	UNIT STAND WIRE FRAME	BN75-00040A	-	1
19	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
18	COVER REAR	BN73-00007A	ABS+PC, SV, HV16 (PHOSPHOROUS, 1)	1
17	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
16	SHIELD PCB	BN75-00017A	SECC T0.8	1
15	SHIELD D-SUB	BN75-00018A	SPTE T0.5	1
14	INVERTER HARNESS	BN39-00002A	11P,40mm	1
13	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
12	MAIN PCB ASS'Y	BN96-00005C	230x107mm	1
11	LVDS HARNESS	BN39-00036A	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
9	INVERTER PCB	BN44-00022A	SIC 24IT	1
8	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
7	BRKT PANEL	BN75-00016B	SECC T1.0	1
6	SCREW TAP TITE	6003-000125	RH,+,S,M2.5,L5, ZPC(YEL) SWOHR5A	8
5	SIDE BRKT L/R	BN71-00001A,00002A	SUS T1.0	2
4	LCD PANEL	BN07-00005A	LTM150X1-L02	1
3	SHIELD FRONT	BN75-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, SV, HV16 (PHOSPHOROUS, 1)	1

UNIT PART LIST



5-6 Simple Base (CN15LSB)

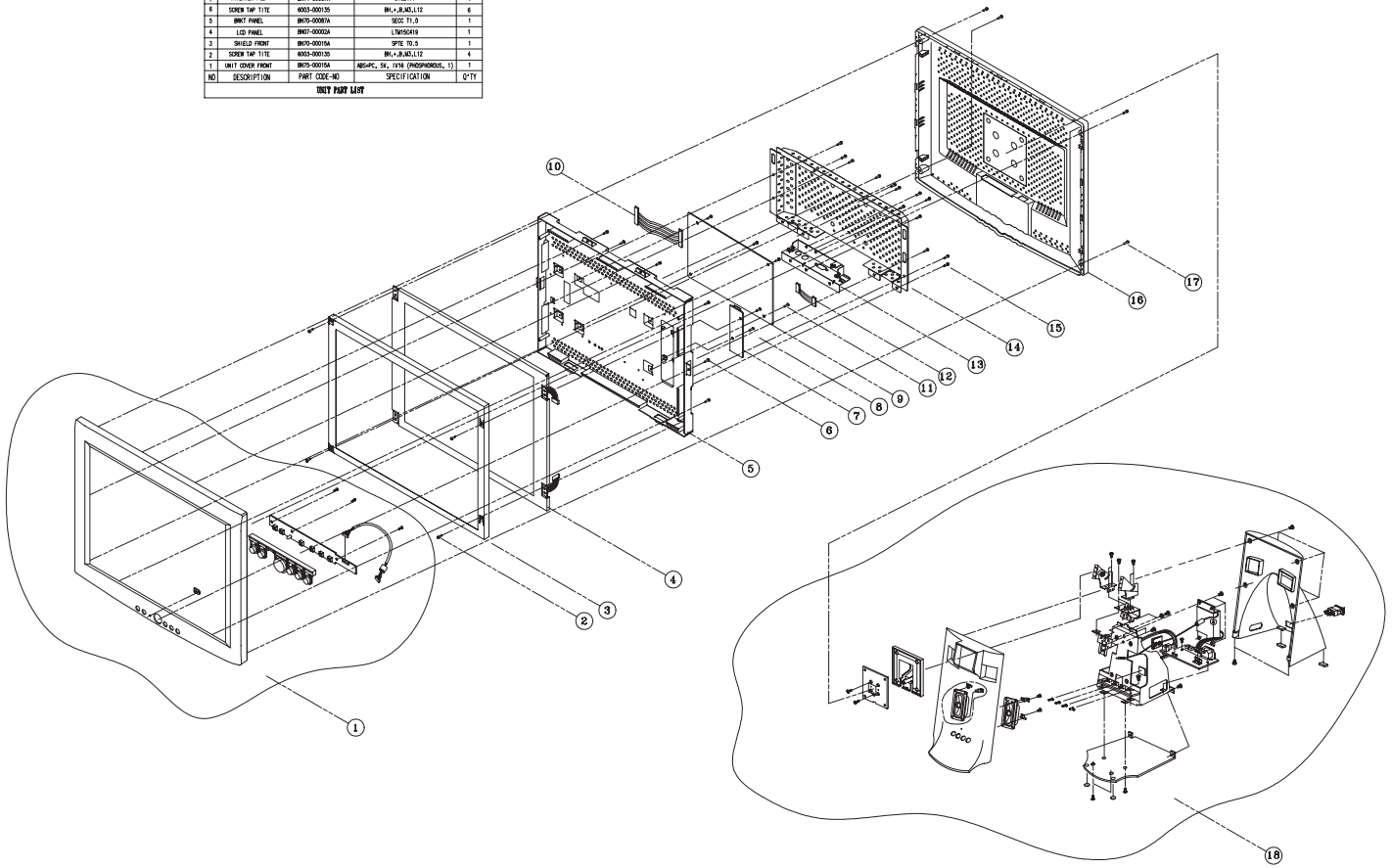
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
		UNIT PART LIST		
18	UNIT STAND MULTI	BN75-00017A	-	1
17	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	4
16	COVER REAR	BN72-00007A	ABS+PC, SV, HV1 (PHOSPHOROUS, 1)	1
15	SCREW TAP TITE	6003-000269	BH,+,5,M3,L8	13
14	SHIELD PCB	BN70-00017A	SECC T0.8	1
13	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
12	INVERTER HARNESS	BN39-00002A	12P,450mm	1
11	SCREW TAP TITE	6003-000269	BH,+,5,M3,L8	4
10	LVDS HARNESS	BN39-00035A	25P,140mm	1
9	MAIN PCB ASS'Y	BN94-00005D	230x137mm	1
8	SCREW TAP TITE	6003-000269	BH,+,5,M3,L8	2
7	INVERTER PCB	BN44-00007A	SIC2417	1
6	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	6
5	BRKT PANEL	BN70-00007A	SECC T1.0	1
4	LCD PANEL	BN07-00002A	LTM150X9	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,8,M3,L12	4
1	UNIT COVER FRONT	BN75-00016A	ABS+PC, SV, HV1 (PHOSPHOROUS, 1)	1



5-7 MultiMedia Base (CN15LSB)

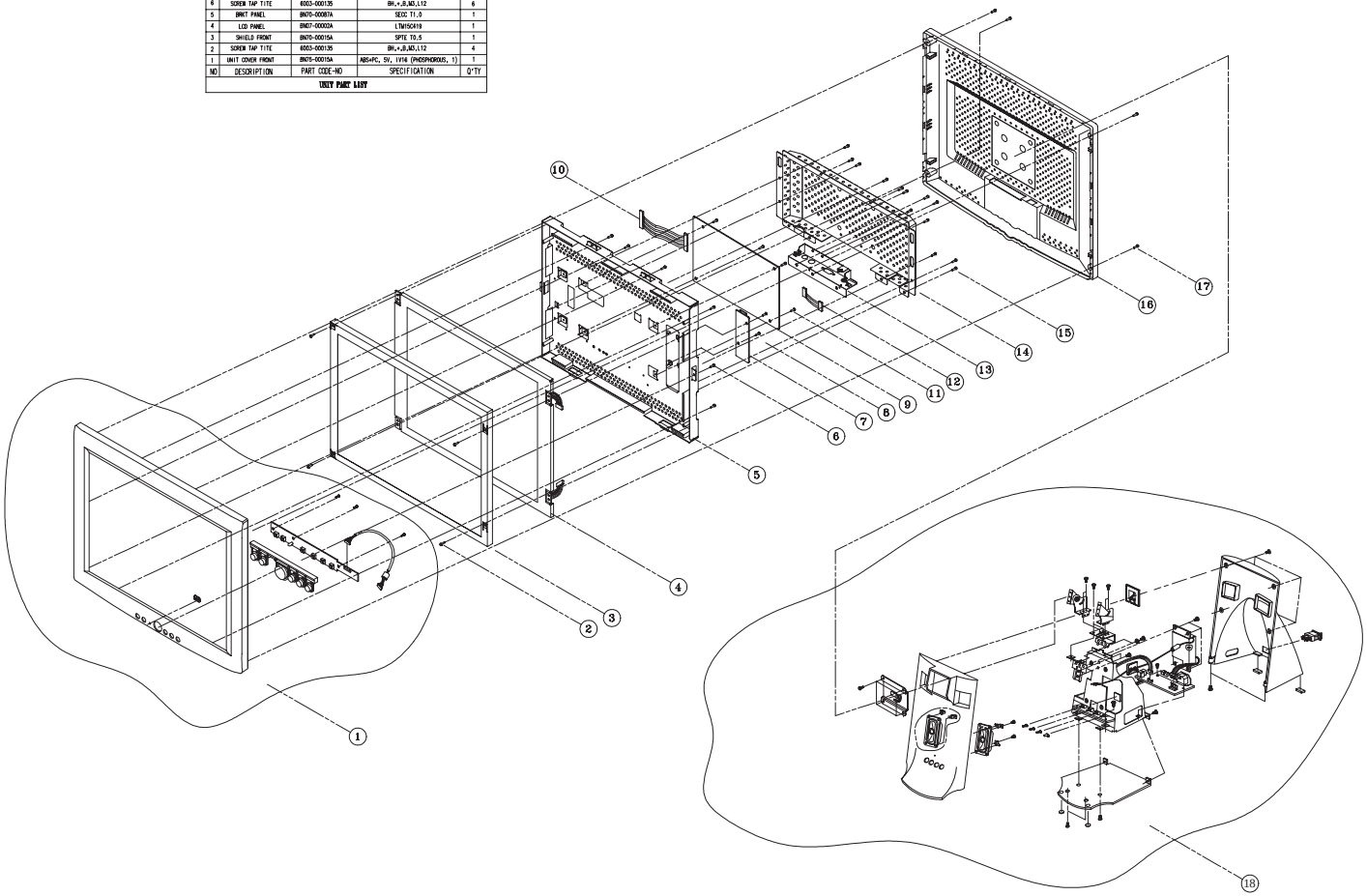
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
18	UNIT STAND MULTI	BN59-00036A	-	1
17	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
16	COVER REAR	BN72-00007A	ABS+PC, SV, IV16 (PHOSPHOROUS, 1)	1
15	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
14	SHIELD PCB	BN70-00017A	SECC T0.8	1
13	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
12	INVERTER HARNESS	BN39-00002A	12P,60mm	1
11	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
10	LVDS HARNESS	BN39-00035A	25P,140mm	1
9	MAIN PCB ASSY	BN96-00005D	230x157mm	1
8	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
7	INVERTER PCB	BN44-00007A	SIC241T	1
6	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
5	BRKT PANEL	BN70-00087A	SECC T1.0	1
4	LCD PANEL	BN07-00002A	LTM15C410	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, SV, IV16 (PHOSPHOROUS, 1)	1

UNIT PART LIST

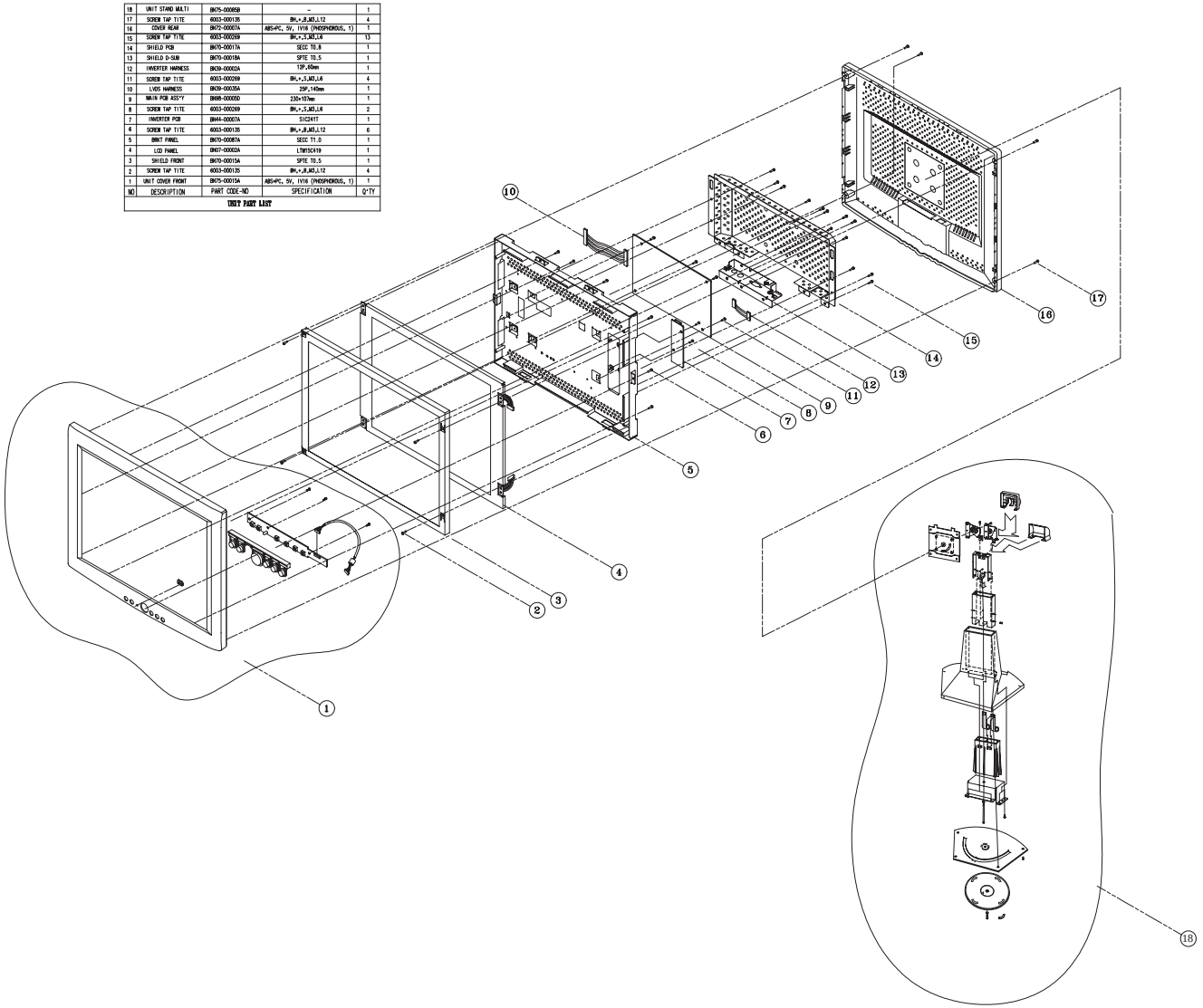


5-8 Pivot-MultiMedia Base (CN15LSB)

18	UNIT STAND MULTI	BN69-00637A	-	1
17	SCREW TAP TITE	6003-000135	BH,+,8,NO,L12	4
16	COVER REAR	BN73-00007A	ABS+PC, SV, UV16 (PHOSPHOROUS, 1)	1
15	SCREW TAP TITE	6003-000269	BH,+,5,NO,L6	13
14	SHIELD PCB	BN70-00017A	SECC T0.8	1
13	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
12	INVERTER HARNESS	BN39-00002A	12P,60mm	1
11	SCREW TAP TITE	6003-000269	BH,+,5,NO,L6	4
10	LVDS HARNESS	BN39-00035A	25P,140mm	1
9	MAIN PCB ASS'Y	BN96-00005D	230x157mm	1
8	SCREW TAP TITE	6003-000269	BH,+,5,NO,L6	2
7	INVERTER PCB	BN44-00007A	SIC241T	1
6	SCREW TAP TITE	6003-000135	BH,+,8,NO,L12	6
5	BRKT PANEL	BN70-00087A	SECC T1.0	1
4	LCD PANEL	BN07-00002A	LTM170CK19	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,8,NO,L12	4
1	UNIT COVER FRONT	BN73-00015A	ABS+PC, SV, UV16 (PHOSPHOROUS, 1)	1
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
UNIT PART LIST				



5-9 Angle-Pivot Base (CN15LSB)

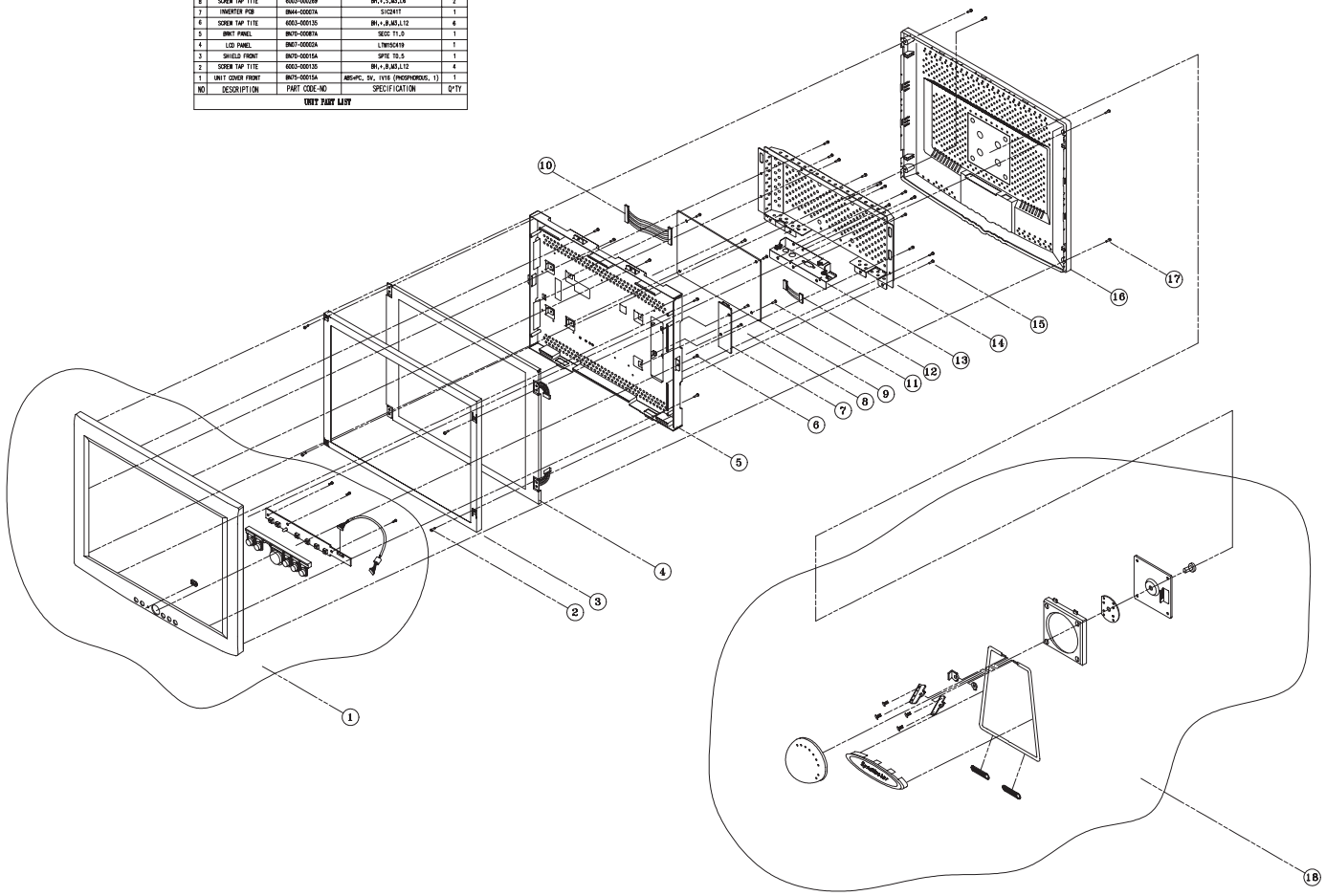


NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
		UNIT PART LIST		
18	UNIT STAND MULTI	BN75-00065B	-	1
17	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
16	COVER REAR	BN72-00007A	ABS+PC, 5V, IV16 (PHOSPHOROUS, 1)	1
15	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
14	SHIELD PCB	BN70-00017A	SECC T0.8	1
13	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
12	INVERTER HARNESS	BN39-00002A	13P,450mm	1
11	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
10	LVDS HARNESS	BN39-00035A	25P,140mm	1
9	MAIN PCB ASS'Y	BN98-00005D	330*107mm	1
8	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
7	INVERTER PCB	BN44-00007A	SI-2417	1
6	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
5	BRKT PANEL	BN70-00087A	SECC T1.0	1
4	LCD PANEL	BN07-00002A	LTM150X19	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00013A	ABS+PC, 5V, IV16 (PHOSPHOROUS, 1)	1

5-10 Wire-Frame Base (CN15LSB)

NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
18	UNIT STAND MULTI	BN75-00040A	-	1
17	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
16	COVER REAR	BN72-00007A	ABS+PC, SV, V16 (PHOSPHEROUS, 1)	1
15	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	13
14	SHIELD PCB	BN70-00017A	SECC T0.8	1
13	SHIELD D-SUB	BN70-00018A	SPTE T0.5	1
12	INVERTER HARNESS	BN39-00002A	13P,40mm	1
11	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	4
10	LVDS HARNESS	BN39-00035A	20P,140mm	1
9	MAIN PCB ASS'Y	BN96-00005D	230*107mm	1
8	SCREW TAP TITE	6003-000269	BH,+,S,M3,L6	2
7	INVERTER PCB	BN44-00007A	SIC2417	1
6	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	6
5	JOINT PANEL	BN70-00087A	SECC T1.0	1
4	LCD PANEL	BN07-00002A	LTM150X9	1
3	SHIELD FRONT	BN70-00015A	SPTE T0.5	1
2	SCREW TAP TITE	6003-000135	BH,+,B,M3,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS+PC, SV, V16 (PHOSPHEROUS, 1)	1

UNIT PART LIST



6 Electrical Parts List

6-1 570s TFT Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
BD101	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD102	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD103	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD104	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD105	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD106	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD181	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD182	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD183	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD301	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD302	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD303	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD304	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
C101	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,TP,4.3x4.3x5.4,"	
C102	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C103	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C104	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C105	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C106	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,TP,4.3x4.3x5.4,"	
C107	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C109	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C110	2409-001029	C-ORGANIC	"120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9"	
C111	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C112	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C113	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C114	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C115	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C116	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C117	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C118	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C119	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C120	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C121	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C122	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C123	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C124	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C125	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C126	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C127	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C128	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C131	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C132	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C133	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C134	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C135	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	
C136	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C137	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	
C138	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C139	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C140	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C141	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C142	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C143	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C144	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C145	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C146	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C147	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C148	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C149	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C150	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C151	2203-005015	"C-CERAMIC,CHIP"	"150nF,+80-20%,16V,Y5V,TP,1608"	
C152	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C153	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C154	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C155	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C156	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C157	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C158	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C159	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C160	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C161	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C162	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C163	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C164	2203-000140	"C-CERAMIC,CHIP"	"1.5nF,10%,50V,X7R,TP,1608,-"	
C165	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C166	2203-000357	"C-CERAMIC,CHIP"	"0.15nF,5%,50V,NP0,TP,1608"	
C167	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C168	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C169	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C170	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C171	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C172	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C173	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C174	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C175	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C176	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C177	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C178	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C181	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C182	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C183	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C184	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C185	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C186	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C187	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	
C188	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	
C213	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C214	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C215	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C216	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C217	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C218	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C219	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C220	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C221	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C222	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C223	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C224	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C225	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C228	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C229	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C230	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C251	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C252	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C253	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C254	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C255	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C256	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C257	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C258	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C259	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C260	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C261	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C262	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C263	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C264	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C301	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C302	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C303	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C304	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C311	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C312	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C313	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C314	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C315	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C316	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C371	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C372	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C373	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C374	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C375	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	
C376	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C377	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
CL102	BN27-20001A	COIL-CHOKE		
CN101	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	
CN102	3701-001129	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN251	3711-004069	CONNECTOR-HEADER	"BOX,25P,1R,1.25mm,SMD-A,SN"	
CN301	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	
CN301	BN39-00084A	CBF-HARNESS	"25P/30P,130MM,-,UL1571,AWG30,DF14-25S/51146-3000"	
CN302	3711-002049	CONNECTOR-HEADER	"BOX,6P,1R,1.25mm,SMD-A,SN"	
D101	0402-000553	DIODE-RECTIFIER	"SS24,40V,2.0A,DO-214AA"	
D131	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D132	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D133	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D134	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D301	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D302	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT101	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT131	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT132	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT133	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT134	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT135	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT136	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT137	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT203	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT204	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT205	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT251	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT252	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT253	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT254	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT255	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT256	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT257	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC101	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075OHM,2W,SO-8"	
IC102	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC103	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075OHM,2W,SO-8"	
IC104	1203-001447	IC-POSI.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC105	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC106	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC131	1203-001538	IC-POSI.ADJUST REG.	"431,SOT-89,3P,-,PLASTIC,2.47/3"	
IC132	0803-000275	IC-TTL	"74F32,OR GATE,SOP,14P,150MIL,Q"	

Loc. No.	Code No.	Description	Specification	Remarks
IC133	1002-001099	IC-A/D CONVERTER	"TDA8752,8BIT,QFP,100P,-,+-0.5,"	
IC181	1204-000292	IC-VIDEO SYSTEM	"LM1881M,SOP,8P,150MIL,PLASTIC,"	
IC182	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
IC203	1003-001295	IC-LCD CONTROLLER	"MX88L284FC,QFP,208P,-,DUAL,-,TR,PLASTIC,-,0to+70C,-,-,-"	
IC251	1205-001686	IC-TRANSMITTER	"DS90CF383A,TSSOP,56P,240MIL,PALSTIC,4V,1.63W,-10TO+70C,ST,FPD LINK-65MHZ(LVDS)"	
IC252	1205-001686	IC-TRANSMITTER	"DS90CF383A,TSSOP,56P,240MIL,PALSTIC,4V,1.63W,-10TO+70C,ST,FPD LINK-65MHZ(LVDS)"	
IC311	0903-001194	IC-MICROCONTROLLER	"3P863,8Bit,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,-40to+85C,1040BYTE,32KBYTE"	
IC311	3704-001071	SOCKET-IC	"42P,DIP,SN,1.778mm"	
IC312	1203-001824	IC-VOL. DETECTOR	"7042,SOT-89,3P,-,PLASTIC,4.05V/4.35V,500MW,-30TO+75C,20MA,-,TP"	
IC371	1103-001023	IC-EEPROM	"24C08,1028x8BIT,SOP,8P,150MIL,"	
IC372	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL,-,5V,10%,PLASTIC,0 TO +70C,100UA,CMOS,TP"	
IC373	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
L101	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L102	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L103	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
Q101	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q102	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q103	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q181	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q311	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q312	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
R101	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R102	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R103	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R104	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R105	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R106	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R107	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R108	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R131	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R132	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R133	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R134	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R135	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R136	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R137	2007-000124	R-CHIP	"2.2Kohm,5%,1/16W,DA,TP,1608"	
R138	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R140	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R141	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R142	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R143	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R144	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R181	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R182	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R183	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R184	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R185	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R186	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R187	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R188	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R203	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R205	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R206	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R301	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R311	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R312	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R313	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R314	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R315	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R316	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R317	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R318	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R319	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R320	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R321	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R322	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R323	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R324	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R325	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R327	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R328	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R329	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R330	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R331	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R332	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R333	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R334	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R335	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R336	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R337	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R338	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R339	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R340	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R341	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R342	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R343	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R344	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R345	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R346	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R347	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R348	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R349	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R350	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R351	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R362	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R371	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R372	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R373	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R374	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R375	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R376	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R377	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R901	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R971	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R972	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R973	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R974	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R976	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R977	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
RA131	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA132	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA133	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA134	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA135	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA136	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA137	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA138	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA139	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA140	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA141	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA142	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA206	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA207	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA208	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA209	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA210	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA211	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA212	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA213	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA214	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA215	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA216	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RC201	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC202	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC203	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC204	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC205	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC206	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC207	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	

Loc. No.	Code No.	Description	Specification	Remarks
RC208	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC209	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC210	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC211	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC212	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
X201	2801-003667	CRYSTAL-SMD	"14.3182MHZ,50PPM,28-AAN,16,50OHM,TP"	
X311	2801-003700	CRYSTAL-SMD	"8MHz,30ppm,28-AAN,20pF,80ohm,T"	
ZD181	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD182	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD183	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD184	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD185	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD311	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

Others

Loc. No.	Code No.	Description	Specification	Remarks
	BN91-00018F	ASSY MAIN/AUTO-TT	"CN15LS-XGL1/0000,SAMSUNG,-,-"	
	BN95-00069G	"ASSY,MANUAL"	"RN15LSTPN/EDC,E/S/F/G/P/I,EDC,NETHERLAND"	
CIS	BN39-00028A	CBF-HARNESS	"6P/6P,170MM,BLK,UL2835,AWG28-3C,51021-06"	
CIS	BN07-00006A	DISPLAY LCD	"LTM15C423,336*249*13.5,TN,VERTICAL STRIPE,0.297*0.297"	
CIS	BN46-00004Y	"MICOM-S/W,CN15L(TSB)"	"CEZANNE(CN15L),-,-,-,-,-,-"	
CIS	BN39-00002A	CBF-HARNESS	"-,60,BLU/WHT,-,26,-"	
CIS	BN39-00030A	CBF-SIGNAL	"DETACHABLE,1830MM,15P/15P,-,2990,D-SUB-MALE"	
CIS	BN44-00026A	INVERTER	"RN15LS,2LAMP,SIC241U,15"",11.5~12.5,107.0*28.5*15.5"	
CIS	BH39-10007A	CBF POWER CORD	"DET,H05VV-F,250V/6A,IVY,1830MM"	
CIS	BH39-40355W	CBF-HARNESS	"-,2000MM,IVORY,-,-,-"	
CIS	BN68-00077A	MANUAL-USERS	"570STFT,SAMSUNG,E/F/S/G/P/I,W/W,MIMOJO80G,-,148X210,I/B,-"	
MP1.0	BN41-00036A	PCB-MAIN	"CN15LSB,FR-4,4L,-,1.6T,172.4x107x1.6,CN15L,-,-,-"	

6-2 580s TFT Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
BD101	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD102	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD103	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD104	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD105	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD106	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD181	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD182	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD183	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD301	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD302	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD303	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD304	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
C101	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,TP,4.3x4.3x5.4,"	
C102	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C103	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C104	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C105	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C106	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,TP,4.3x4.3x5.4,"	
C107	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C109	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C110	2409-001029	C-ORGANIC	"120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9"	
C111	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C112	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C113	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C114	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C115	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C116	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C117	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C118	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C119	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C120	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C121	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C122	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C123	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C124	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C125	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C126	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C127	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C128	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C131	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C132	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C133	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C134	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C135	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C136	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	
C137	2203-000681	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1608"	
C138	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C139	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C140	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C141	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C142	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C143	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C144	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C145	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C146	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C147	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C148	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C149	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C150	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C151	2203-005015	"C-CERAMIC,CHIP"	"150nF,+80-20%,16V,Y5V,TP,1608"	
C152	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C153	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C154	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C155	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C156	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C157	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C158	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C159	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C160	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C161	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C162	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608"	
C163	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C164	2203-000140	"C-CERAMIC,CHIP"	"1.5nF,10%,50V,X7R,TP,1608,-"	
C165	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C166	2203-000357	"C-CERAMIC,CHIP"	"0.15nF,5%,50V,NP0,TP,1608"	
C167	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C168	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C169	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C170	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C171	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C172	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C173	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C174	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C175	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C176	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C177	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C178	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C181	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C182	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C183	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C184	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C185	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C186	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C187	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	
C188	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	
C213	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C214	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C215	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C216	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C217	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C218	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C219	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C220	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C221	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C222	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C223	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C224	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C225	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C228	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C229	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C230	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C251	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C252	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C253	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C254	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C255	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C256	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C257	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C258	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C301	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C302	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C303	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C304	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C311	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C312	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C313	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C314	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C315	2402-000168	"C-AL,SMD"	"100uF,20%,16V,GP,TP,8.3x8.3x6.3mm"	
C316	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C371	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C372	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C373	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C374	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C375	2203-000236	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C376	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C377	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
CL102	BN27-20001A	COIL-CHOKE		
CN101	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	
CN102	3701-001160	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AU15U"	
CN201	3711-003161	CONNECTOR-HEADER	"BOX,20P,1R,1.25mm,ANGLE,SN"	
CN20	BN39-00083A	CBF-HARNESS	"20P,140MM,-,UL1571,AWG30,DF14-20S-1.25C"	
CN301	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	
CN301	BN39-00002A	CBF-HARNESS	"-,60,BLU/WHT,-,26,-"	
CN302	3711-002049	CONNECTOR-HEADER	"BOX,6P,1R,1.25mm,SMD-A,SN"	
D101	0402-000553	DIODE-RECTIFIER	"SS24,40V,2.0A,DO-214AA"	
D131	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D132	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D133	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D134	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D301	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D302	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT101	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT131	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT132	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT133	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT134	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT135	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT136	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT137	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT203	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT204	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT205	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT251	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT252	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT253	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT254	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC101	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075OHM,2W,SO-8"	
IC102	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC103	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075OHM,2W,SO-8"	
IC104	1203-001447	IC-POSI.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC105	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC106	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC131	1203-001538	IC-POSI.ADJUST REG.	"431,SOT-89,3P,-,PLASTIC,2.47/3"	
IC132	0803-000275	IC-TTL	"74F32,OR GATE,SOP,14P,150MIL,Q"	
IC133	1002-001099	IC-A/D CONVERTER	"TDA8752,8BIT,QFP,100P,-,+-0.5,"	
IC181	1204-000292	IC-VIDEO SYSTEM	"LM1881M,SOP,8P,150MIL,PLASTIC,"	
IC182	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
IC203	1003-001295	IC-LCD CONTROLLER	"MX88L284FC,QFP,208P,-,DUAL,-,TR,PLASTIC,-,0to+70C,-,-,-"	
IC251	1205-001740	IC-TRANSMITTER	"DS90C385,TSSOP,56P,240MIL,PLASTIC,4V,1.63W,-10 TO +70C,ST,FPD LINK-85MHZ(LVDS)"	
IC311	0903-001194	IC-MICROCONTROLLER	"3P863,8Bit,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,-40to+85C,1040BYTE,32KBYTE"	
IC311	3704-001071	SOCKET-IC	"42P,DIP,SN,1.778mm"	

Loc. No.	Code No.	Description	Specification	Remarks
IC312	1203-001824	IC-VOL. DETECTOR	"7042,SOT-89,3P,-,PLASTIC,4.05V/4.35V,500MW,-30TO+75C,20MA,-,TP"	
IC371	1103-001023	IC-EEPROM	"24C08,1028x8BIT,SOP,8P,150MIL,"	
IC372	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL,-,5V,10%,PLASTIC,0 TO +70C,100UA,CMOS,TP"	
IC373	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
L101	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L102	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L103	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
Q101	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q102	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q103	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q181	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q311	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q312	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
R101	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R102	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R103	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R104	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R105	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R106	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R107	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R108	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R131	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R132	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R133	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R134	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R135	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R136	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R137	2007-000124	R-CHIP	"2.2Kohm,5%,1/16W,DA,TP,1608"	
R138	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R140	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R141	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R142	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R143	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R144	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R181	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R182	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R183	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R184	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R185	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R186	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R187	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R188	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R203	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R205	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R206	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R301	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R311	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R312	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R313	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R314	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R315	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R316	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R317	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R318	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R319	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R320	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R321	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R322	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R323	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R324	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R325	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R327	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R328	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R329	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R330	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R331	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R332	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R333	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R334	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R335	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R336	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R337	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R338	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R339	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R340	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R341	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R342	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R343	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R344	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R345	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R346	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R347	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R348	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R349	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R350	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	
R351	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R362	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R371	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R372	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R373	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R374	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R375	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R376	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R377	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R901	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R971	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R972	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R973	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R974	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R975	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R976	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
RA131	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA132	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA133	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA134	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA135	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA136	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA137	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA138	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA139	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA140	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA141	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA142	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA206	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA207	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA208	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA209	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA210	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RC201	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC202	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC203	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC204	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC205	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
RC206	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
X201	2801-003667	CRYSTAL-SMD	"14.3182MHZ,50PPM,28-AAN,16,50OHM,TP"	
X311	2801-003700	CRYSTAL-SMD	"8MHz,30ppm,28-AAN,20pF,80ohm,T"	
ZD181	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD182	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD183	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD184	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD185	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD311	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

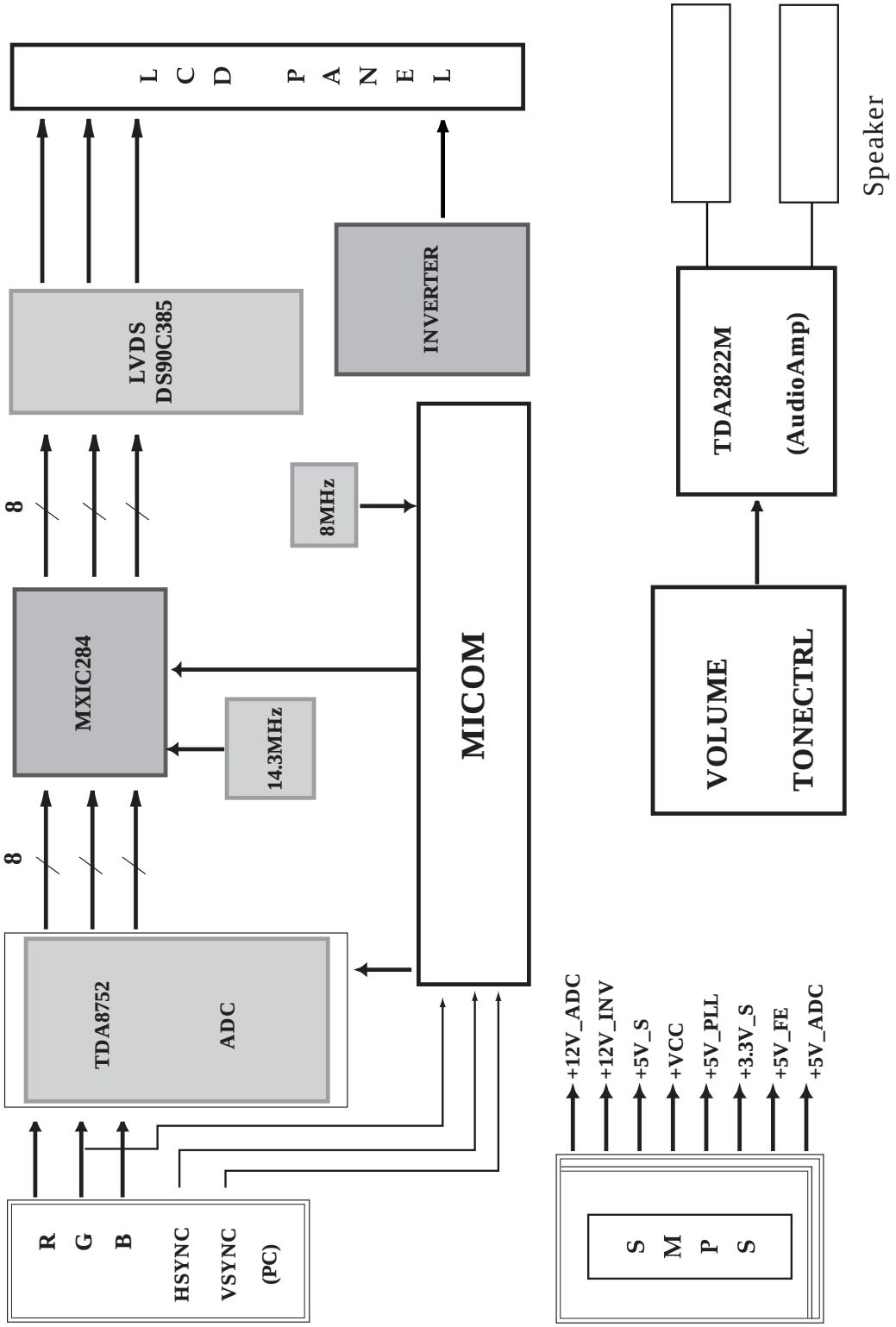
Others

Loc. No.	Code No.	Description	Specification	Remarks
	BN91-00013Y	PROCESS-CN15L(SDD)	"CN15LS,SAMSUNG(SDD),-,-"	
	BN91-00018B	ASSY MAIN/AUTO-ST	"CN15LS-XGL1/0000,-,-,-"	
CIS	BN39-00030A	CBF-SIGNAL	"DETACHABLE,1830MM,15P/15P,-,2990,D-SUB-MALE"	
CIS	BN44-00022A	INVERTER	"SIC241T(S),2LAMP,-,15,11.5~12.5,121.0*30.5*14.0"	
CIS	BN70-00017A	SHIELD-PCB	"RN15AS,SECC,0.8,-,-"	
CIS	BH39-10007A	CBF POWER CORD	"DET,H05VV-F,250V/6A,IVY,1830MM"	
CIS	BN68-00077A	MANUAL-USERS	"570STFT,SAMSUNG,E/F/S/G/P/I,W/W,MIMOJO80G,-,148X210,I/B,-"	
CIS	BN44-00011A	ADAPTER	"90V-264V,AD-3612(O),-,-,12VDC/3.0A,-"	
CIS	BN07-00005A	LCD-PANNEL	"LTM150XS-L02,331.3*257.9*15.9,TN,VERTICAL STRIPE,0.297*0.297"	
CIS	BN70-00018A	SHIELD-D/SUB	"RN15AS,SPTE,0.5,-,-"	
MP1.0	BN41-00033A	PCB-MAIN	"CN15LS,FR-4,4,172.4*107.0*1.6,1.6T"	

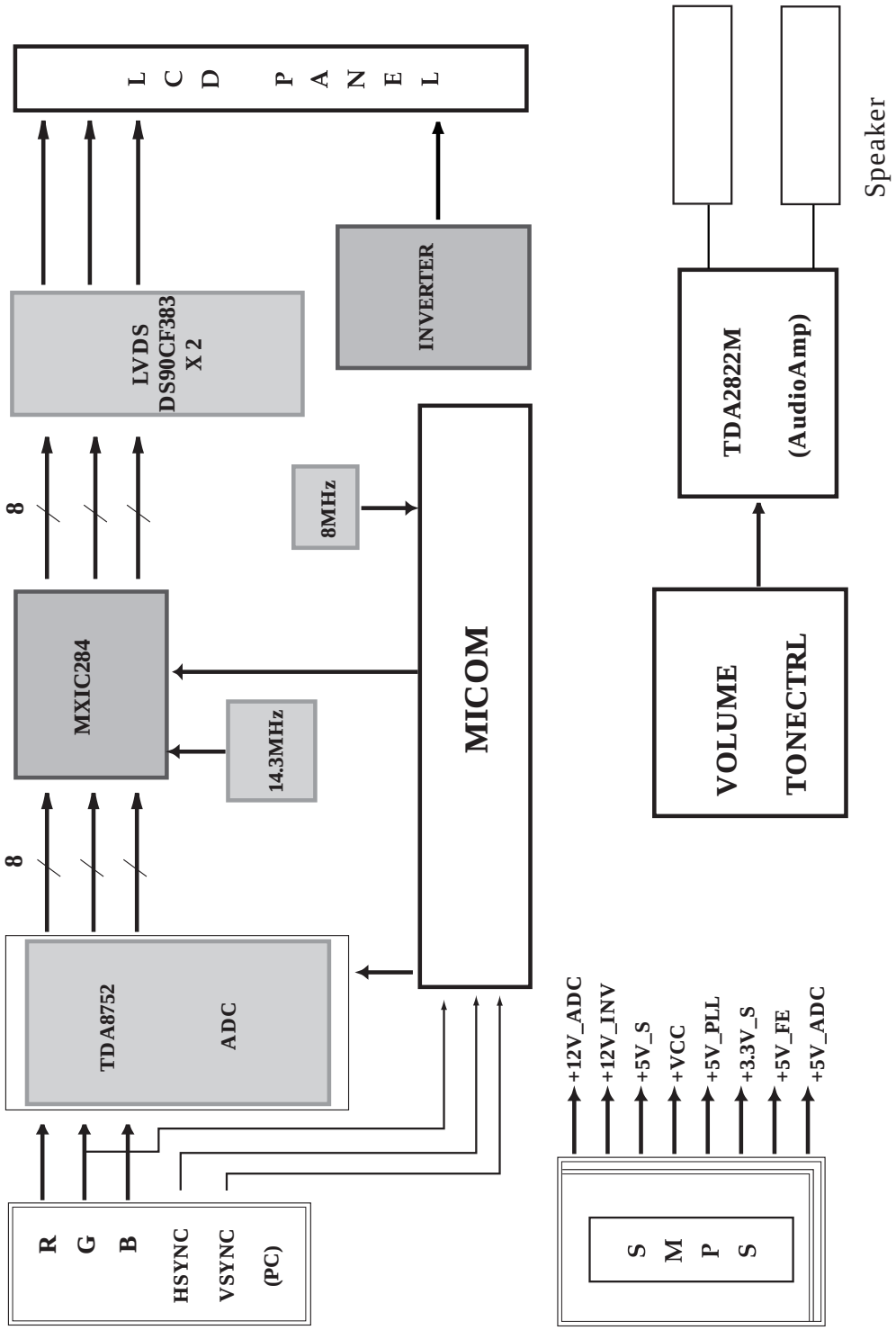
Memo

7 Block Diagram

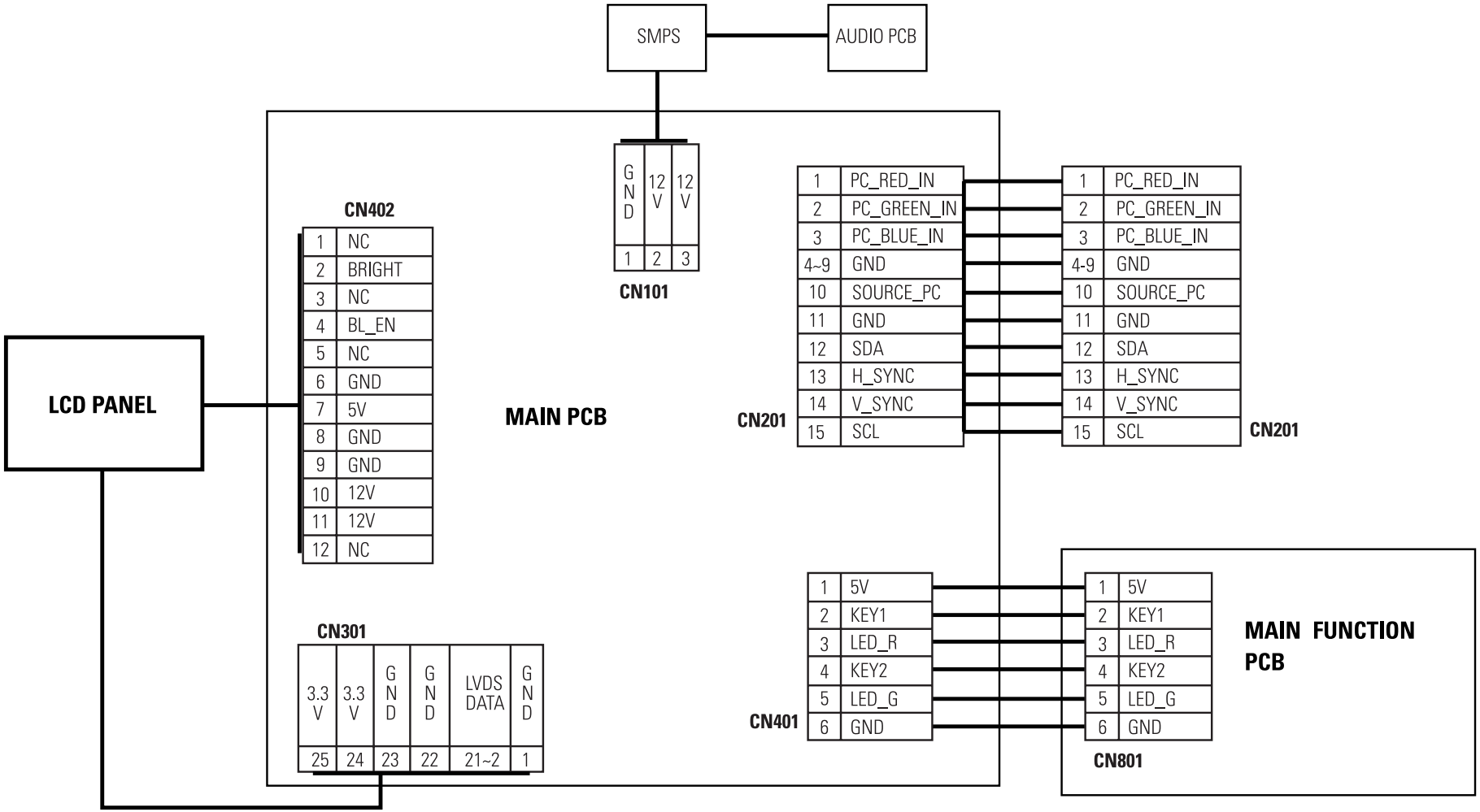
7-1. Sync Master 570s TFT



7-2. Sync Master 580s TFT

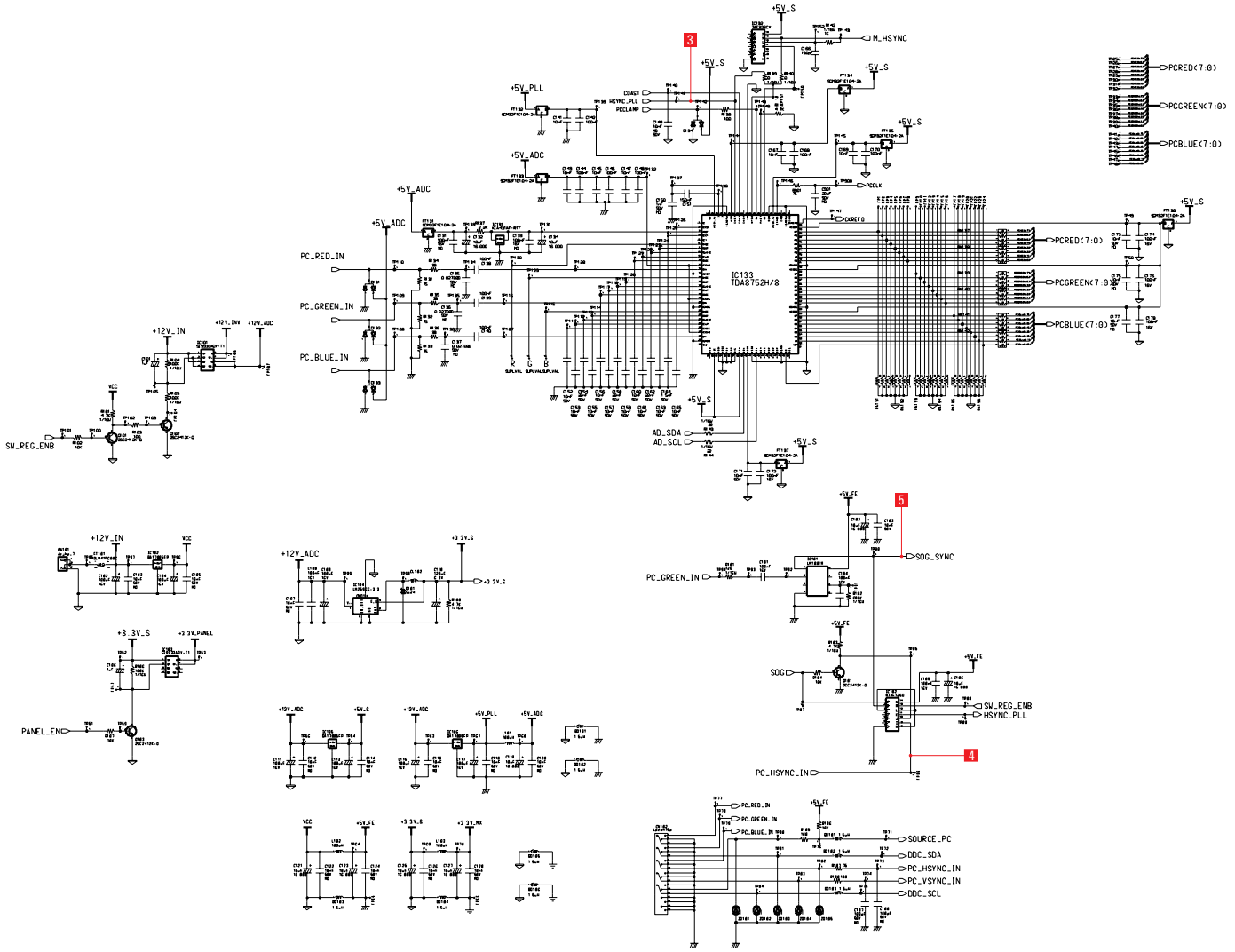


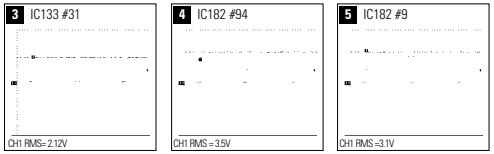
Memo


SMPS
AUDIO PCB
GND
12V
12V
1
2
3
CN101
CN402
1 NC
2 BRIGHT
3 NC
4 BL_EN
5 NC
6 GND
7 5V
8 GND
9 GND
10 12V
11 12V
12 NC
LCD PANEL
MAIN PCB
CN301
3.3V
3.3V
GND
GND
LVDS DATA
GND
25
24
23
22
21~2
1
CN201
1 PC_RED_IN
2 PC_GREEN_IN
3 PC_BLUE_IN
4~9 GND
10 SOURCE_PC
11 GND
12 SDA
13 H_SYNC
14 V_SYNC
15 SCL
CN401
1 5V
2 KEY1
3 LED_R
4 KEY2
5 LED_G
6 GND
MAIN FUNCTION PCB
CN801

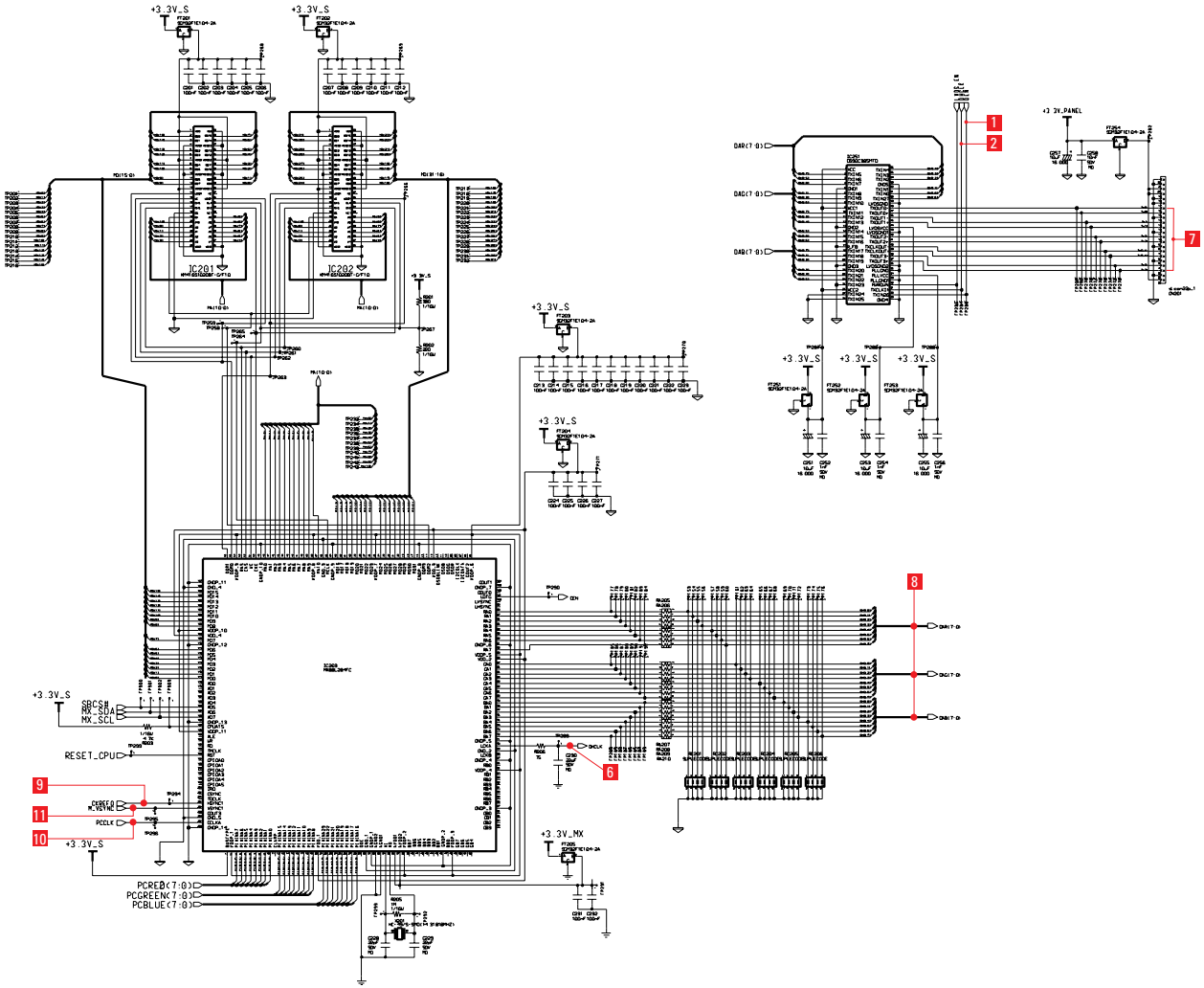
9 Schematic Diagrams

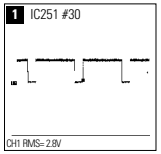
9-1 ADC & I/O Part Schematic Diagram (CN15LSS)

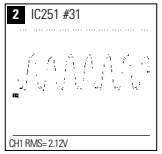


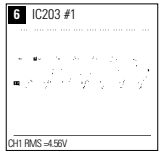

3 IC133 #31
CH1 RMS= 2.12V
4 IC182 #94
CH1 RMS = 3.5V
5 IC182 #9
CH1 RMS =3.1V

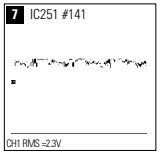
9-2 FRC & LVDS Part Schematic Diagram (CN15LSS)

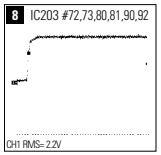


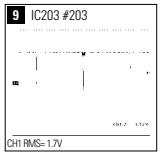

1 IC251 #30
CH1 RMS= 2.8V

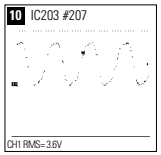

2 IC251 #31
CH1 RMS= 2.12V

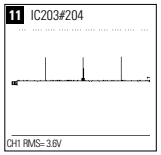

6 IC203 #1
CH1 RMS =4.56V


7 IC251 #141
CH1 RMS =2.3V


8 IC203 #72,73,80,81,90,92
CH1 RMS= 2.2V


9 IC203 #203
CH1 RMS= 1.7V


10 IC203 #207
CH1 RMS= 3.6V


11 IC203#204
CH1 RMS= 3.6V

9-3 Micom Part Schematic Diagram (CN15LSS)

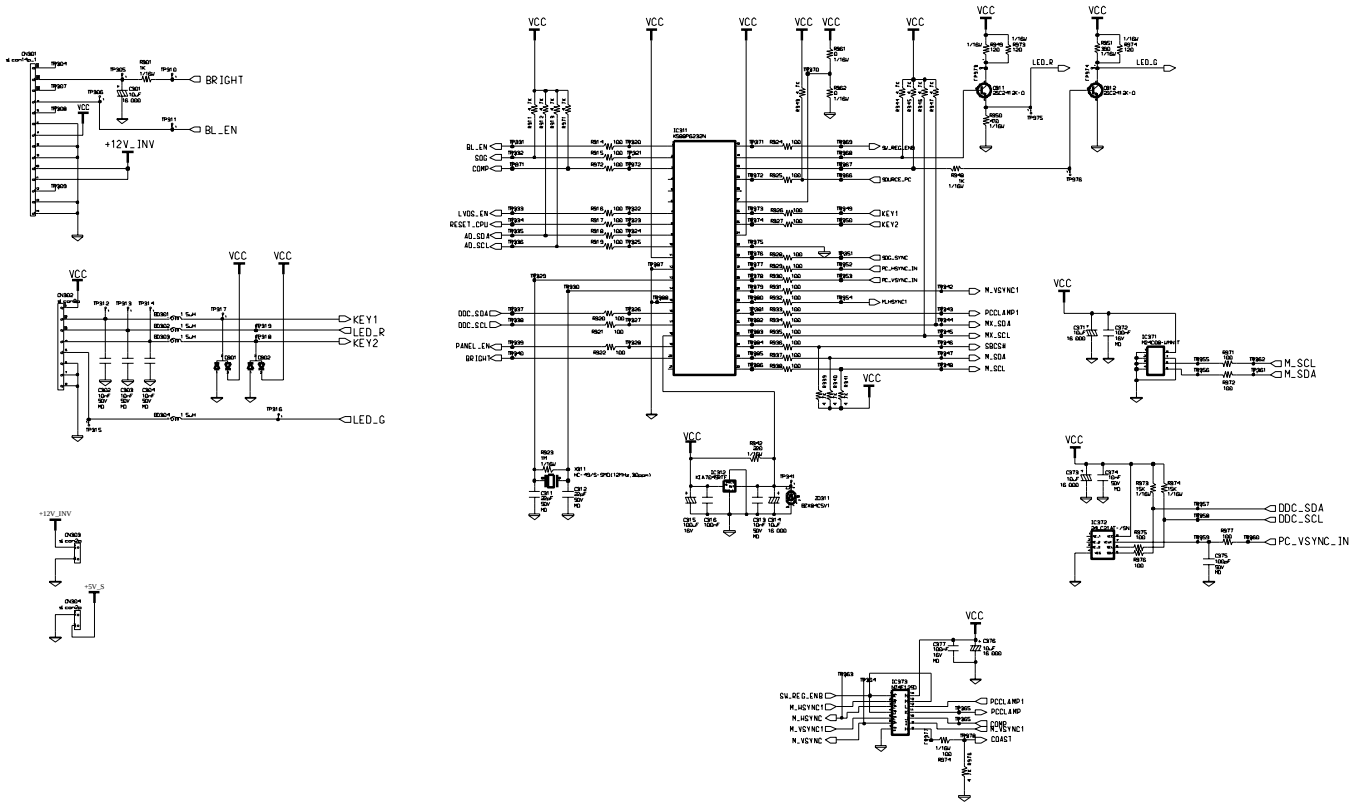


Table 9-7. IC401

pin #	MODES	pin #	MODES
	1024 x 768 / 75 Hz		1024 x 768 / 75 Hz
1	0~5	22	Pulse
2	0, 5	23	GND
3	5	24	Pulse
4	5	25	5
5	4.62	26	5
6	0	27	0
7	5	28	0
8	5	29	5
9	GND	30	5
10	5	31	0
11	5	32	Clock
12	NC	33	Clock
13	5	34	5
14	5	35	NC
15	Pulse	36	3.8
16	Pulse	37	5
17	5	38	0
18	NC	39	5
19	NC	40	5
20	Pulse	41	GND
21	Pulse	42	NC

Unit: Vrms

Table 9-8. IC403

pin #	MODES
	1024 x 768 / 75 Hz
1	NC
2	NC
3	NC
4	GND
5	4.43
6	4.46
7	4.87
8	5.03

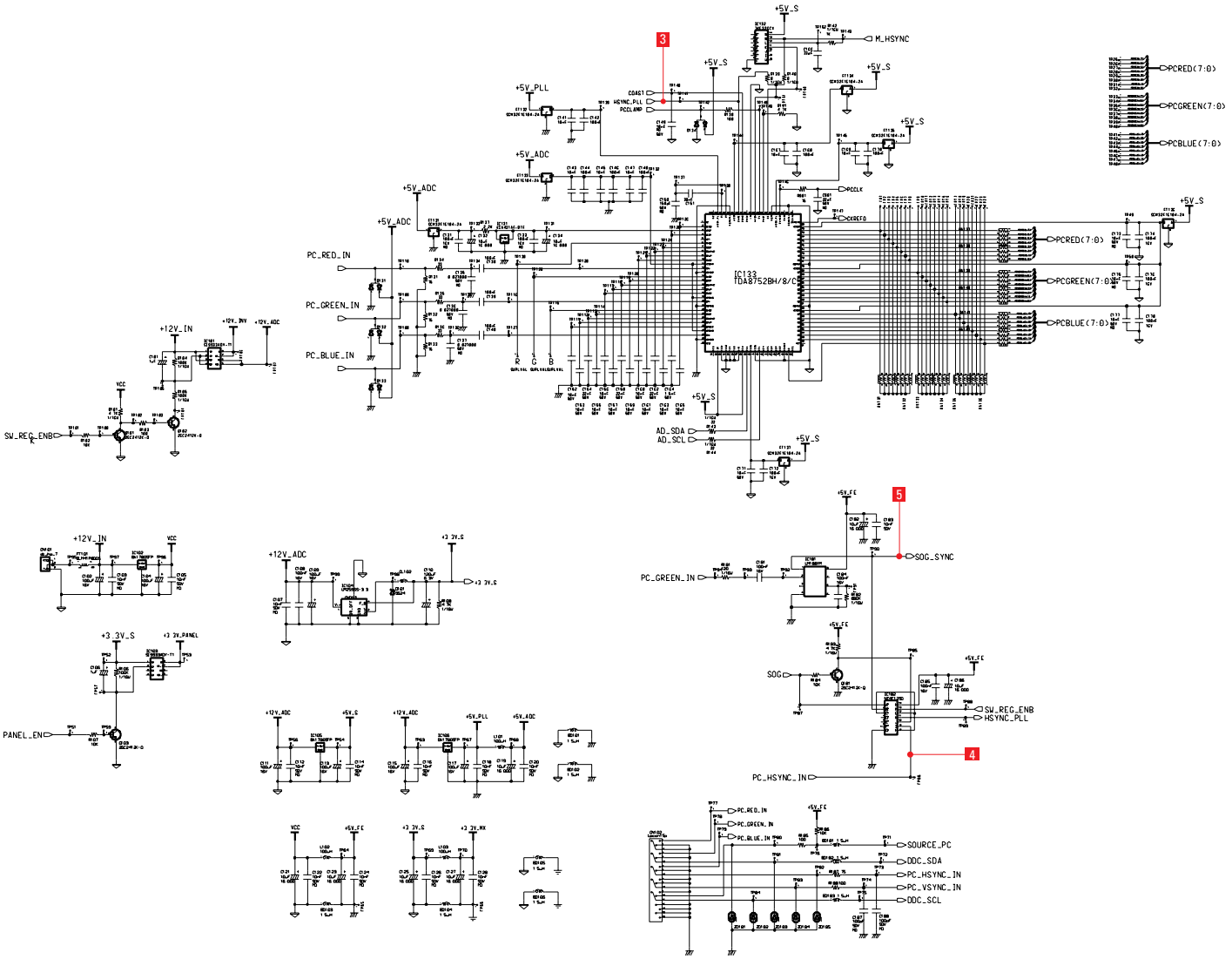
Unit: Vrms

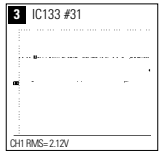
Table 9-9. IC404

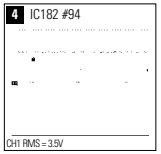
pin #	MODES
	1024 x 768 / 75 Hz
1	GND
2	GND
3	GND
4	GND
5	5.03
6	5.03
7	GND
8	5.03

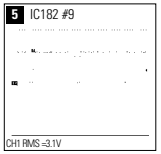
Unit: Vrms

9-4 ADC & I/O Part Schematic Diagram (CN15LSB)

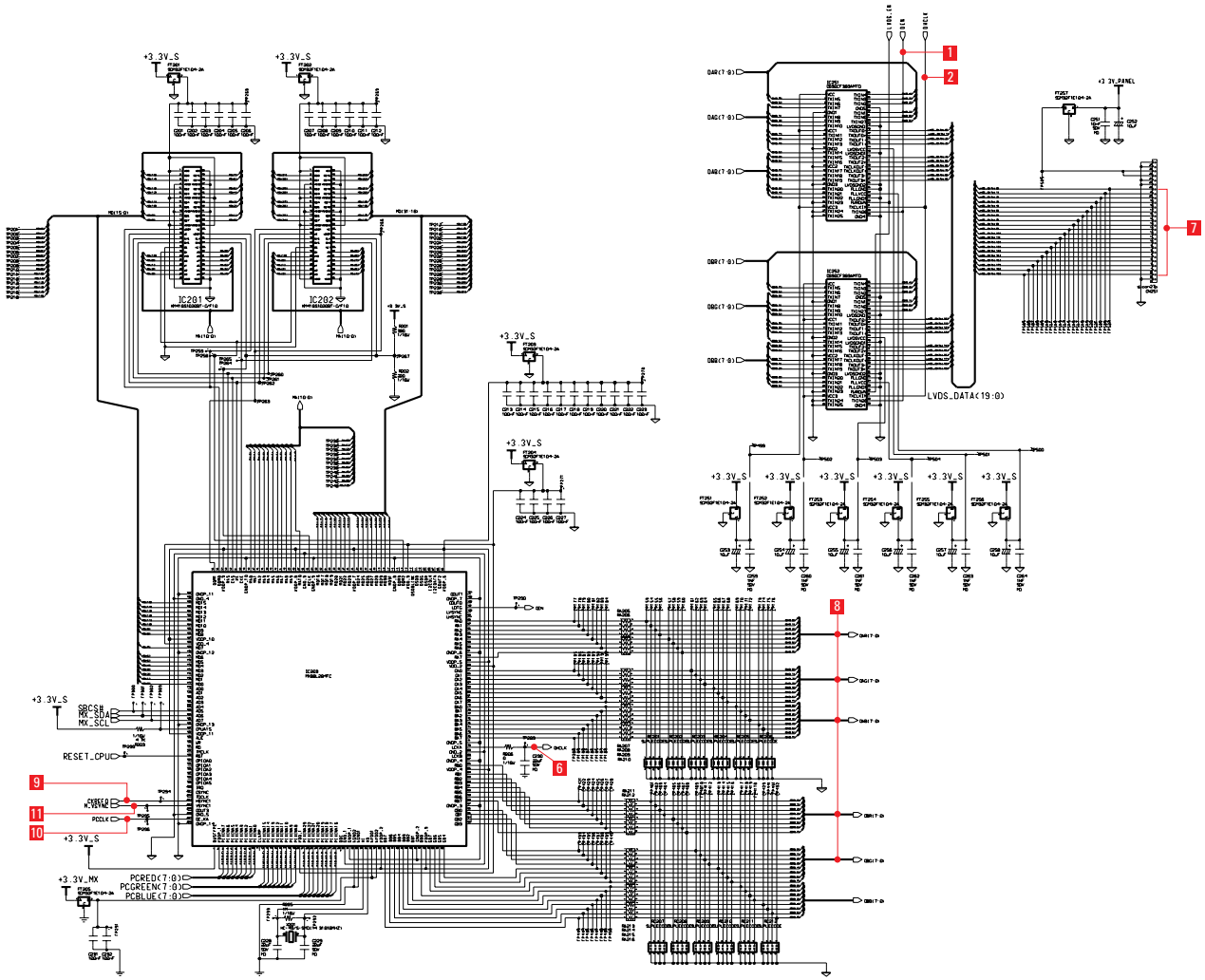


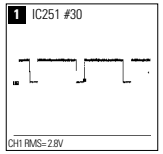

3 IC133 #31
CH1 RMS= 2.12V

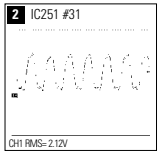

4 IC182 #94
CH1 RMS = 3.5V

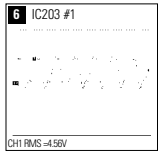

5 IC182 #9
CH1 RMS =3.1V

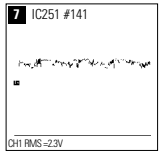
9-5 FRC & LVDS Part Schematic Diagram (CN15LSB)

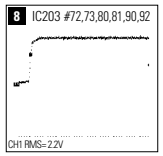


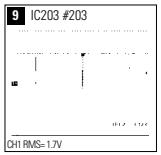

1 IC251 #30
CH1 RMS= 2.8V


2 IC251 #31
CH1 RMS= 2.12V

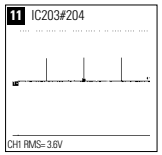

6 IC203 #1
CH1 RMS =4.56V


7 IC251 #141
CH1 RMS =2.3V


8 IC203 #72,73,80,81,90,92
CH1 RMS= 2.2V


9 IC203 #203
CH1 RMS= 1.7V

10 IC203 #207
CH1 RMS= 3.6V


11 IC203#204
CH1 RMS= 3.6V

9-6 Micom Part Schematic Diagram (CN15LSB)

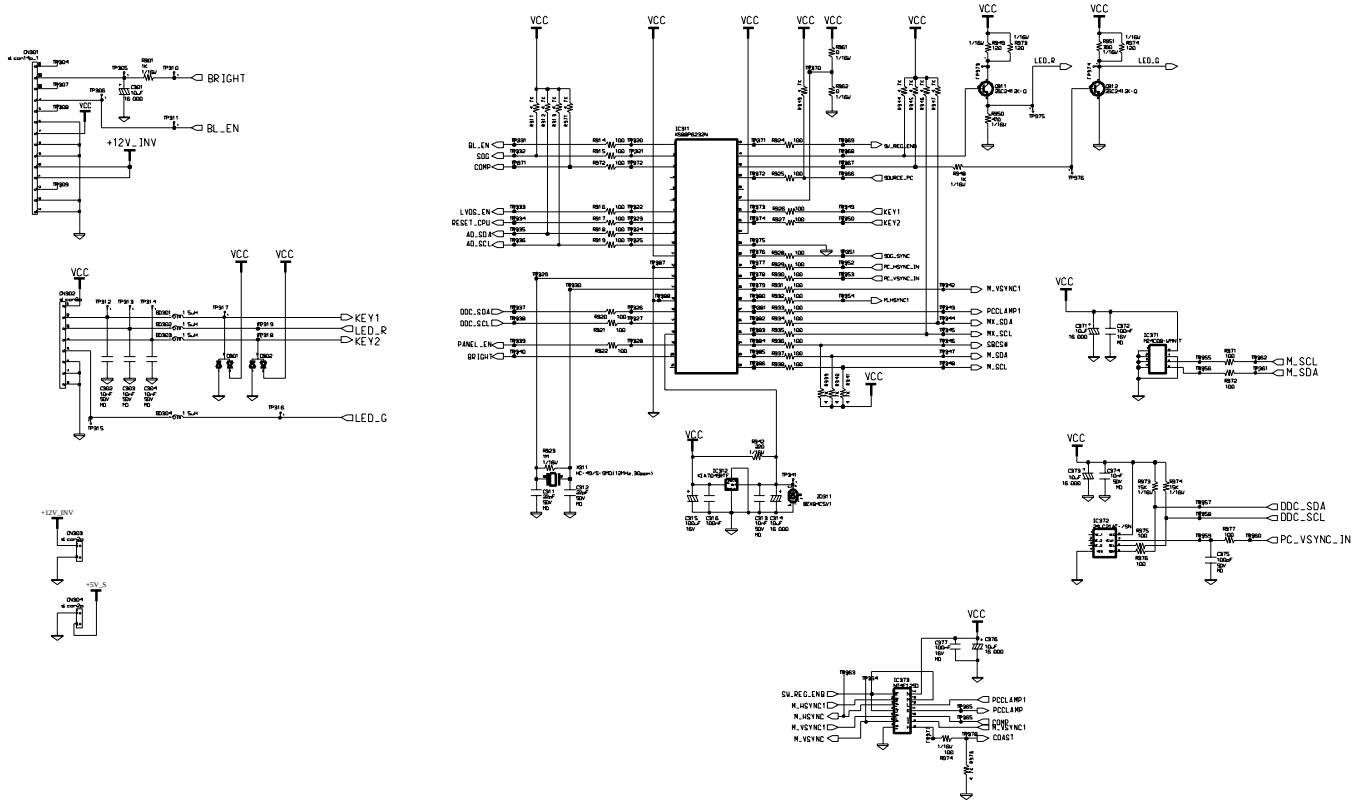


Table 9-7. IC401

pin #	MODES	pin #	MODES
	1024 x 768 / 75 Hz		1024 x 768 / 75 Hz
1	0~5	22	Pulse
2	0, 5	23	GND
3	5	24	Pulse
4	5	25	5
5	4,62	26	5
6	0	27	0
7	5	28	0
8	5	29	5
9	GND	30	5
10	5	31	0
11	5	32	Clock
12	NC	33	Clock
13	5	34	5
14	5	35	NC
15	Pulse	36	3.8
16	Pulse	37	5
17	5	38	0
18	NC	39	5
19	NC	40	5
20	Pulse	41	GND
21	Pulse	42	NC

Unit: Vrms

Table 9-8. IC403

pin #	MODES
	1024 x 768 / 75 Hz
1	NC
2	NC
3	NC
4	GND
5	4.43
6	4.46
7	4.87
8	5.03

Unit: Vrms

Table 9-9. IC404

pin #	MODES
	1024 x 768 / 75 Hz
1	GND
2	GND
3	GND
4	GND
5	5.03
6	5.03
7	GND
8	5.03

Unit: Vrms