



# COLOR MONITOR

SyncMaster 150T

## *SERVICE Manual*

### COLOR MONITOR



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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*).

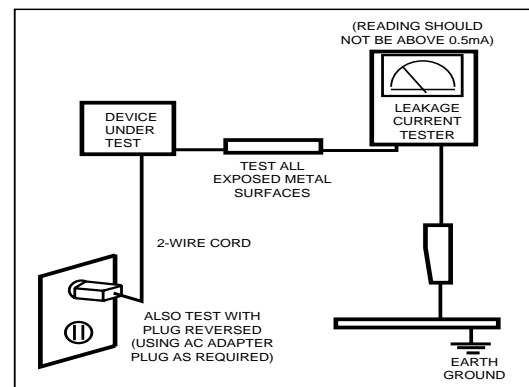


Figure 1-1. Leakage Current Test Circuit

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

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**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

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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	
	Analog	Digital
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 15-Inch viewable, 0.297 (H) x 0.297 (V) pixel pitch	
Scanning Frequency	Horizontal : 30 kHz to 61 kHz (Automatic) Vertical : 56 Hz to 75 Hz (Automatic)	30 kHz to 48.4 kHz (Automatic) 56 Hz to 75 Hz (Automatic)
Display Colors	16,772,216 colors	
Maximum Resolution	Horizontal : 1024 Pixels	Vertical : 768 Pixels
Input Video Signal	Analog, 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated	TMPS
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	79 MHz	65 MHz
Active Display Horizontal/Vertical	304.1 mm / 228.1 mm	
AC power voltage & Frequency	AC 90 to 264 Volts, 60/ 50 Hz ± 3 Hz	
Power Consumption	35 W(Normal)	
Dimensions Unit (W x D x H) Carton (W x D x H)	15.9 x 7.7 x 16.5 Inches (404 x 196 x 419 mm) 18.7 x 11.1 x 20.1 Inches (475 x 282 x 510 mm)	
Weight (Net/Gross)	7.4 kg	
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 %	
<ul style="list-style-type: none"><li>SyncMaster 150T complies with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.</li><li>Designs and specifications are subject to change without prior notice.</li></ul>		

## 2-2 Pin Assignments

<div> <div>Sync Type</div> <div>Pin No.</div> </div>	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	DDC Power Input +5V	DDC Power Input +5V	DDC Power Input +5V
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 Clock	DDC Clock	DDC Clock

## 2-3 DVI Signal Pin Assignments

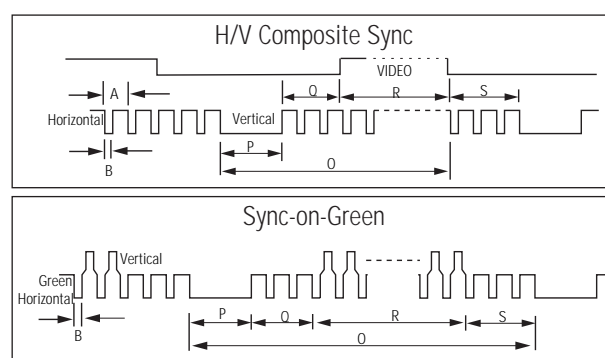
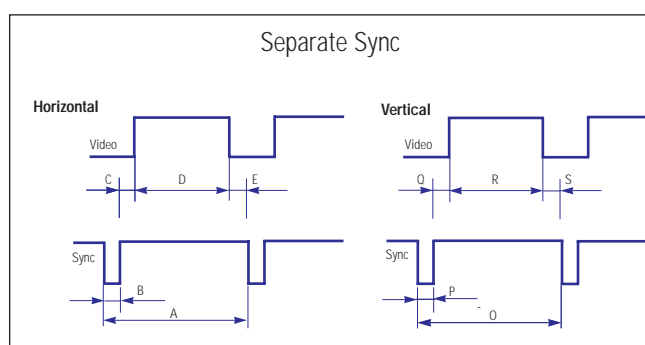
Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RX2-	9	RX1-	17	RX0-
2	RX2+	10	RX1+	18	RX0+
3	AGND	11	AGND	19	AGND
4	AGND	12	AGND	20	AGND
5	AGND	13	AGND	21	AGND
6	DDC_SCL	14	DDC Power Input (+5V)	22	AGND
7	DDC_SDA	15	Self-Raster_D	23	RXC+
8	AGND	16	Connection Signal Output (+5V)	24	RXC-

## 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								
	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	800/72 Hz 800 x 600	800/75 Hz 800 x 600	1024/60 Hz 1024 x 768	1024/70 Hz 1024 x 768 (Analog Only)	1024/75 Hz 1024 x 768 (Analog Only)
fH (kHz)	31.469	31.469	37.861	37.500	35.156	37.879	48.077	46.875	48.363	56.476	60.023
A $\mu$ sec	31.777	31.778	26.413	26.667	28.444	26.400	20.800	21.333	20.677	17.707	16.660
B $\mu$ sec	3.813	3.813	1.270	2.032	2.000	3.200	2.400	1.616	2.092	1.813	1.219
C $\mu$ sec	1.589	1.589	3.810	3.810	3.556	2.200	1.280	3.232	2.462	1.920	2.235
D $\mu$ sec	26.058	26.058	20.825	20.317	22.222	20.000	16.000	16.162	15.754	13.653	13.003
E $\mu$ sec	0.318	0.318	0.508	0.508	0.667	1.000	1.120	0.323	0.369	0.320	0.203
fV (Hz)	70.087	59.940	72.809	75.000	56.250	60.317	72.188	75.000	60.004	70.069	75.029
O msec	14.268	16.683	13.735	13.333	17.778	16.579	13.853	13.333	16.666	14.272	13.328
P msec	0.064	0.064	0.079	0.080	0.057	0.106	0.125	0.064	0.124	0.106	0.050
Q msec	0.858	0.794	0.528	0.427	0.626	0.607	0.478	0.448	0.600	0.513	0.466
R msec	13.155	15.761	13.100	12.800	17.067	15.840	12.480	12.800	15.880	13.599	12.795
S msec	0.191	0.064	0.026	0.027	0.028	0.026	0.770	0.021	0.062	0.053	0.017
Clock Frequency (MHz)	28.322	25.175	31.500	31.500	36.000	40.000	50.000	49.500	65.000	75.000	78.750
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Negative	Positive
V.Sync	Positive	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Negative	Positive
Remark	Separate	Separate	Separate	Separate	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

## Memo



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## 3 Disassembly and Reassembly

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This section of the service manual describes the disassembly and reassembly procedures for the SyncMaster 150T monitors.

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

### 3-1 Disassembly

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**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 Bracket from the Stand assembly.
7. Remove cover hinge from the Stand assembly.
8. Remove Stand Base from the Stand assembly.

#### 3-1-4 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

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- RN15PSS (Samsung Panel)

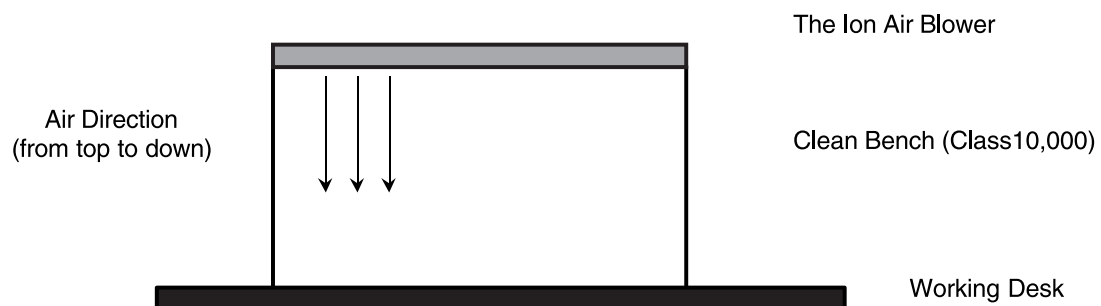
### Replacement of Lamp Ass'y ( LTM150XS-\*\*\* )

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#### 1. The required equipment for Lamp Replacement

The Ion Air Blower	1ea
Clean Bench (Class10,000)	1ea
PC for Test	1ea

#### 2. Working Desk



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**SAMSUNG**

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SAMSUNG TFT-LCD

## Replacement Order of Lamp Assemblies

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- 1) Take apart lamp lead-connectors from the inverter(2EA).
  - Replacement of lamp assemblies should be done at the power off state and recommended clean bench condition.
- 2) Take apart 2 screws which are used to hold the lamp assemblies on.
- 3) Replace lamp assembly. ( Refer to the diagram on the next page. )
- 4) Assemble new lamp assembly according to the counter order.

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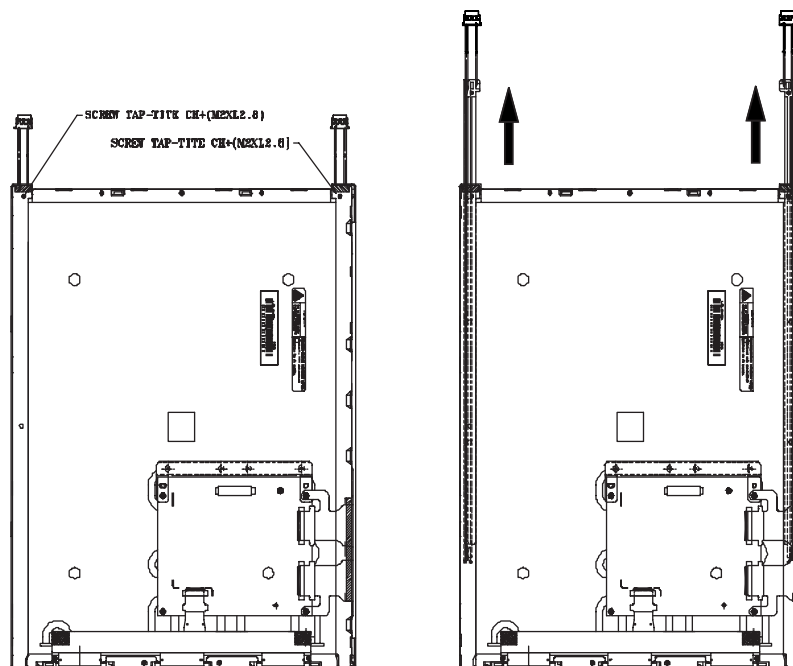
**SAMSUNG**

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**SAMSUNG TFT-LCD**

## Diagram Of Replacement Order

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**SAMSUNG**

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**SAMSUNG TFT-LCD**

## **3-4 Reassembly**

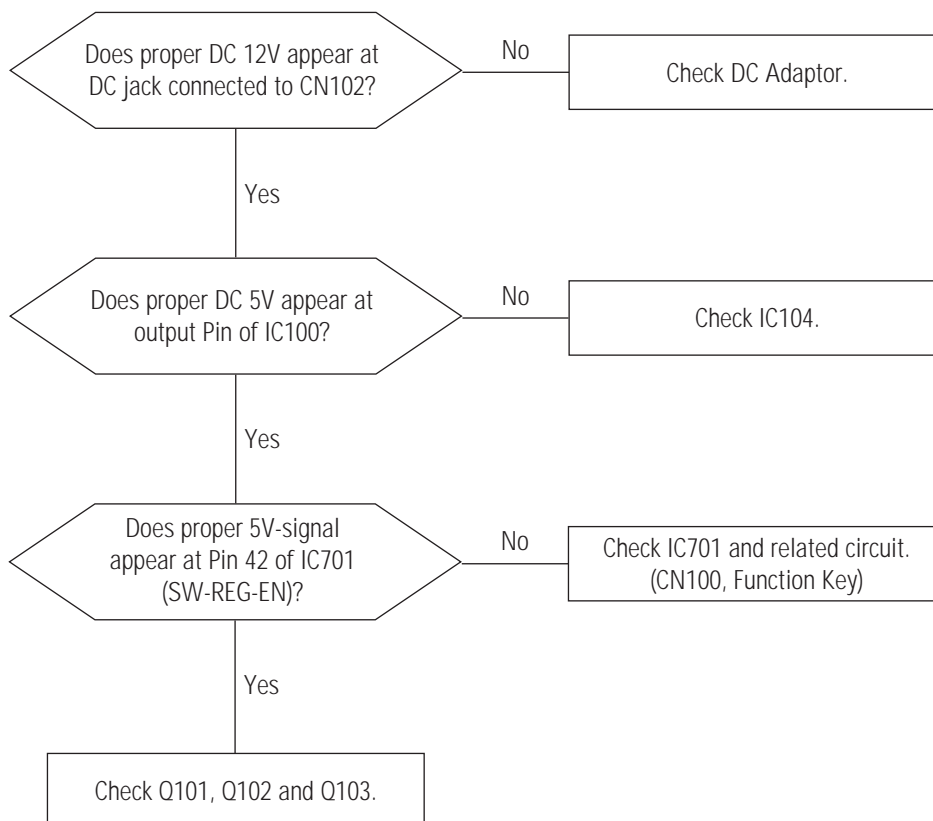
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Reassembly procedures are in the reverse order of Disassembly procedures.

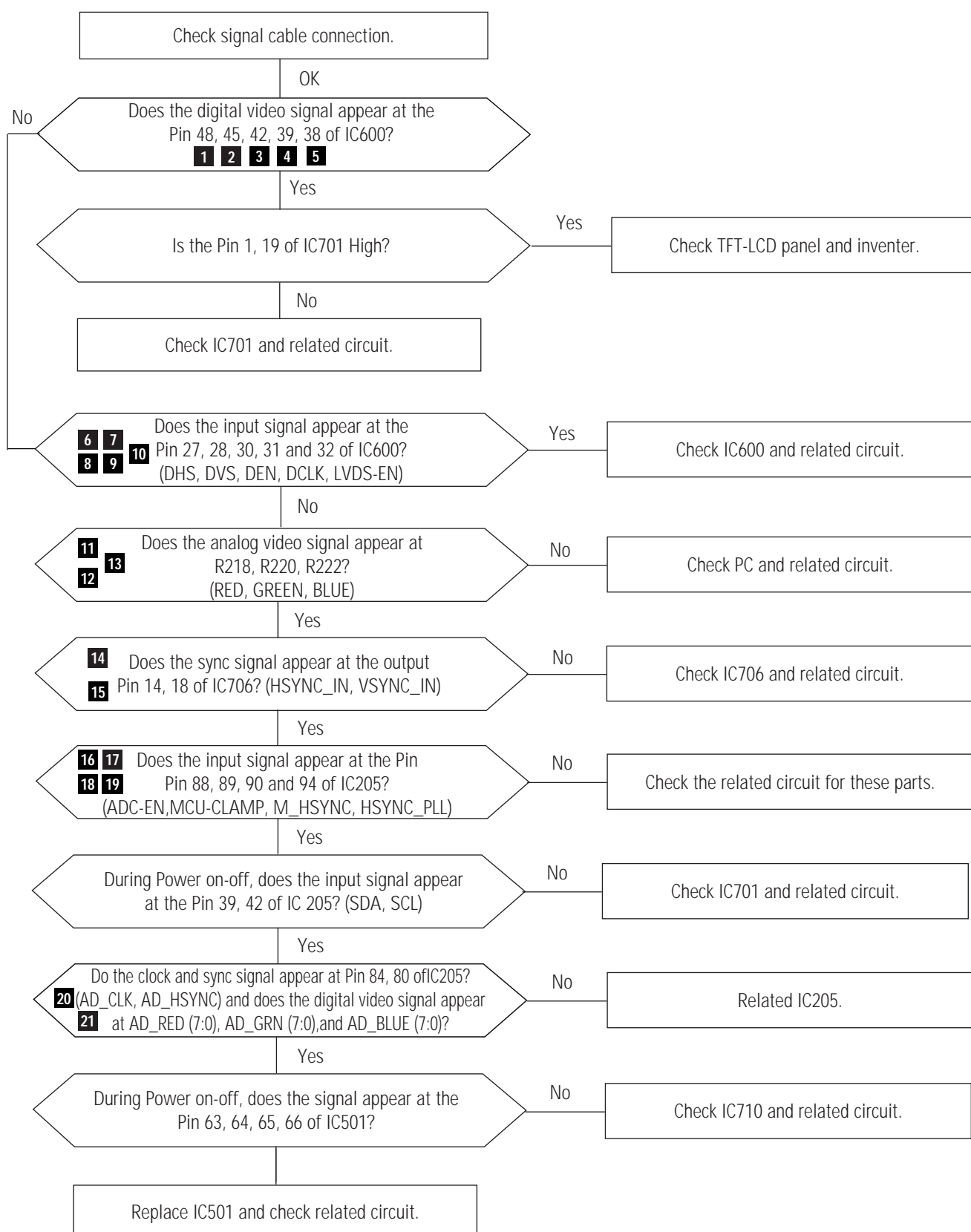
## 4 Troubleshooting

- Notes:**
- Before troubleshooting, setup the PC's display as below.
    - Resolution: 1024 x 768
    - H-frequency: 48 kHz
    - V-frequency: 60 Hz
  - If no picture appears, make sure the power cord is correctly connected.
  - 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
  - If you push and hold the "EXIT" button for more than 5 seconds, the monitor automatically turns back to the factory preset.

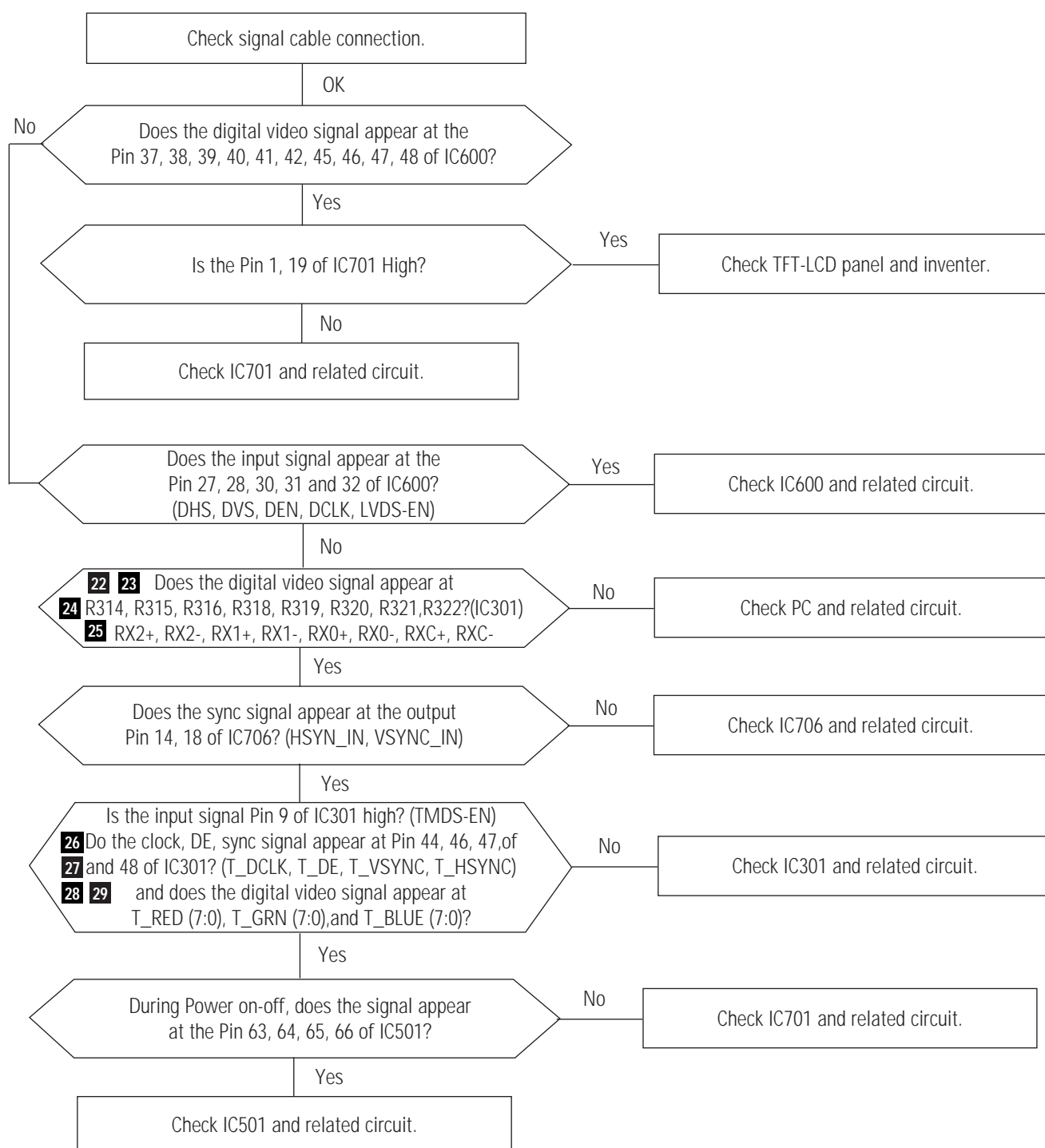
### 4-1 No Power



## 4-2 No Video [Analog]

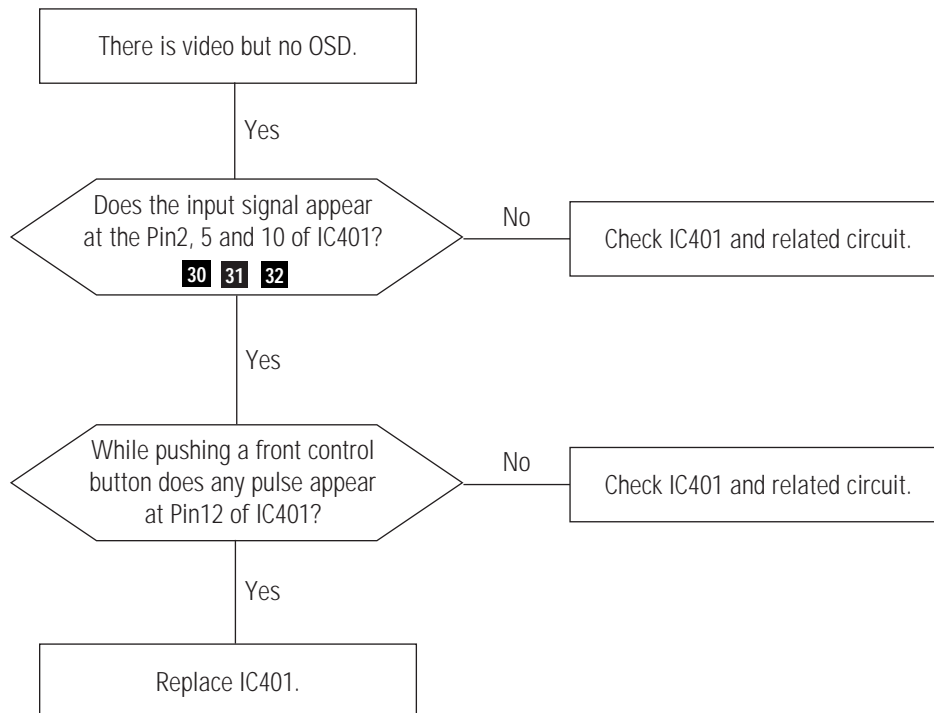


### 4-3 No Video [Digital]



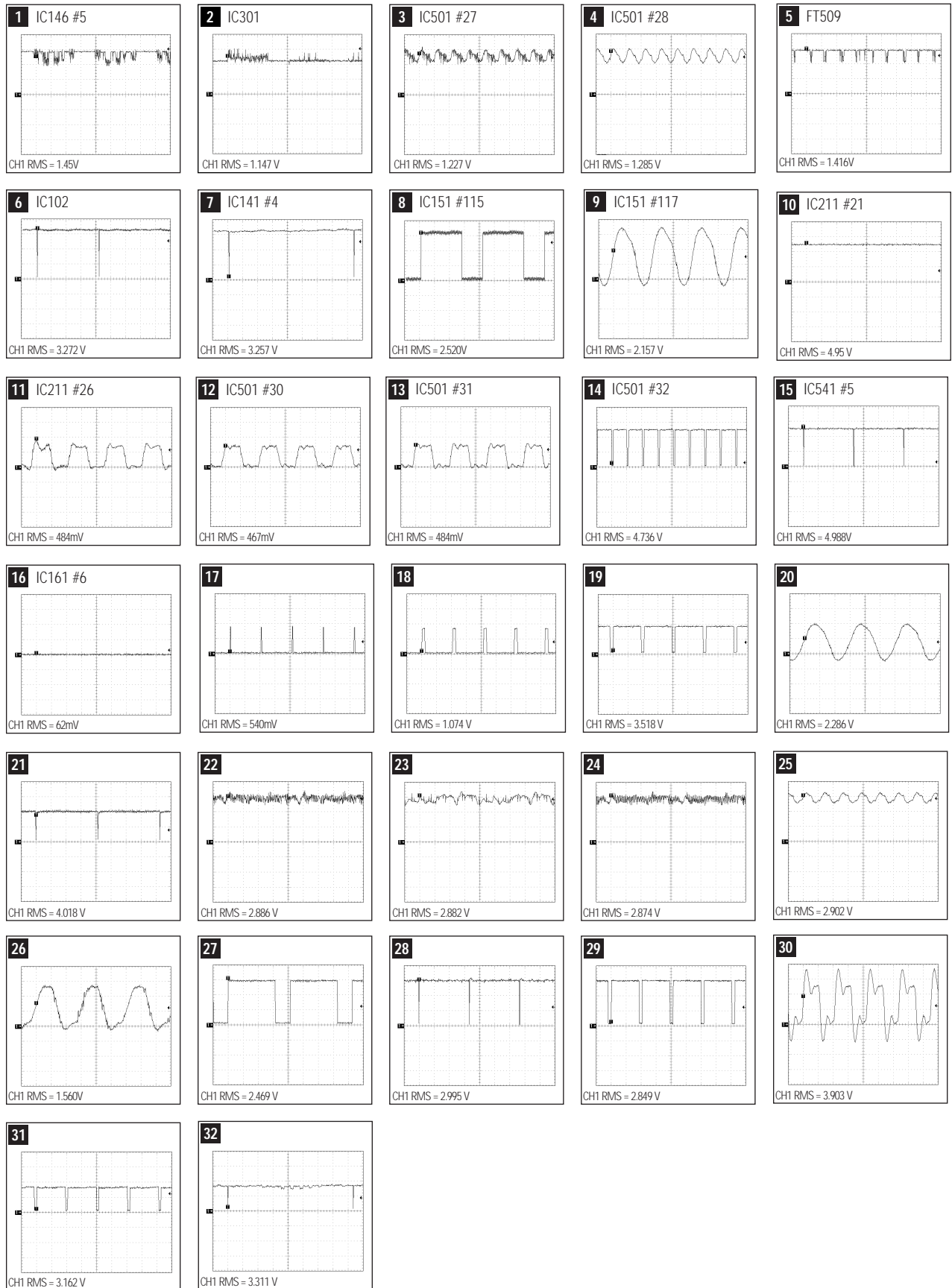
## 4-4 No OSD

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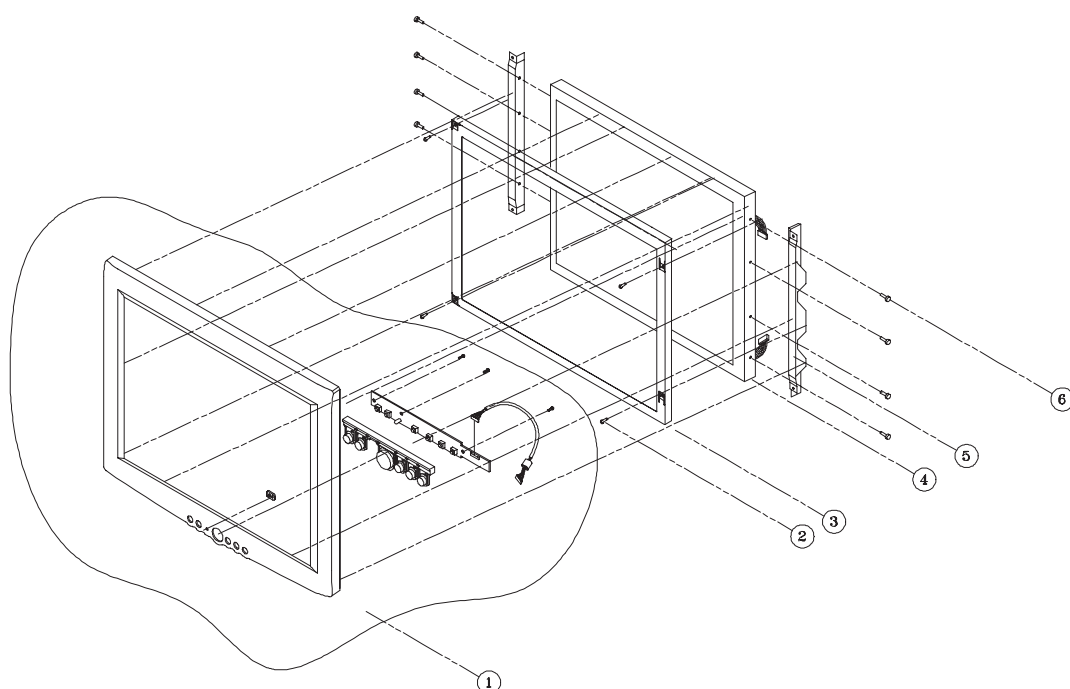
# WAVEFORMS



## Memo

## 5 Exploded View and Parts List

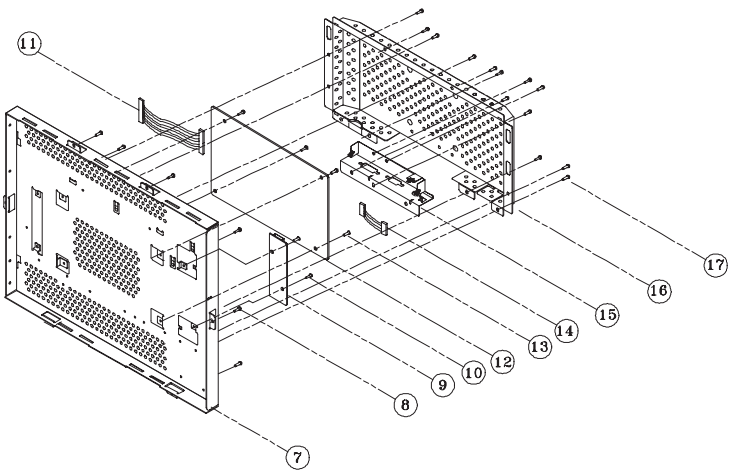
### 5-1 Front Cover & LCD Ass'y



6	SCREW TAP TITE	0003-000125	BH,+,S,M2.5,(L5, ZPC(YEL.) SWSH18A	8
5	SIDE BRKT L/R	BN71-00001A,00002A	SUS T1.0	2
4	LCD PANEL	BN70-00005A	LTM1501X1-L02	1
3	SHIELD FRONT	BN70-00015A	SPTC T0.5	1
2	SCREW TAP TITE	0003-000136	BH,+,B,M2,L12	4
1	UNIT COVER FRONT	BN75-00015A	ABS-PC, BV, TV16 (PHOSPHOROUS, T)	1
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY

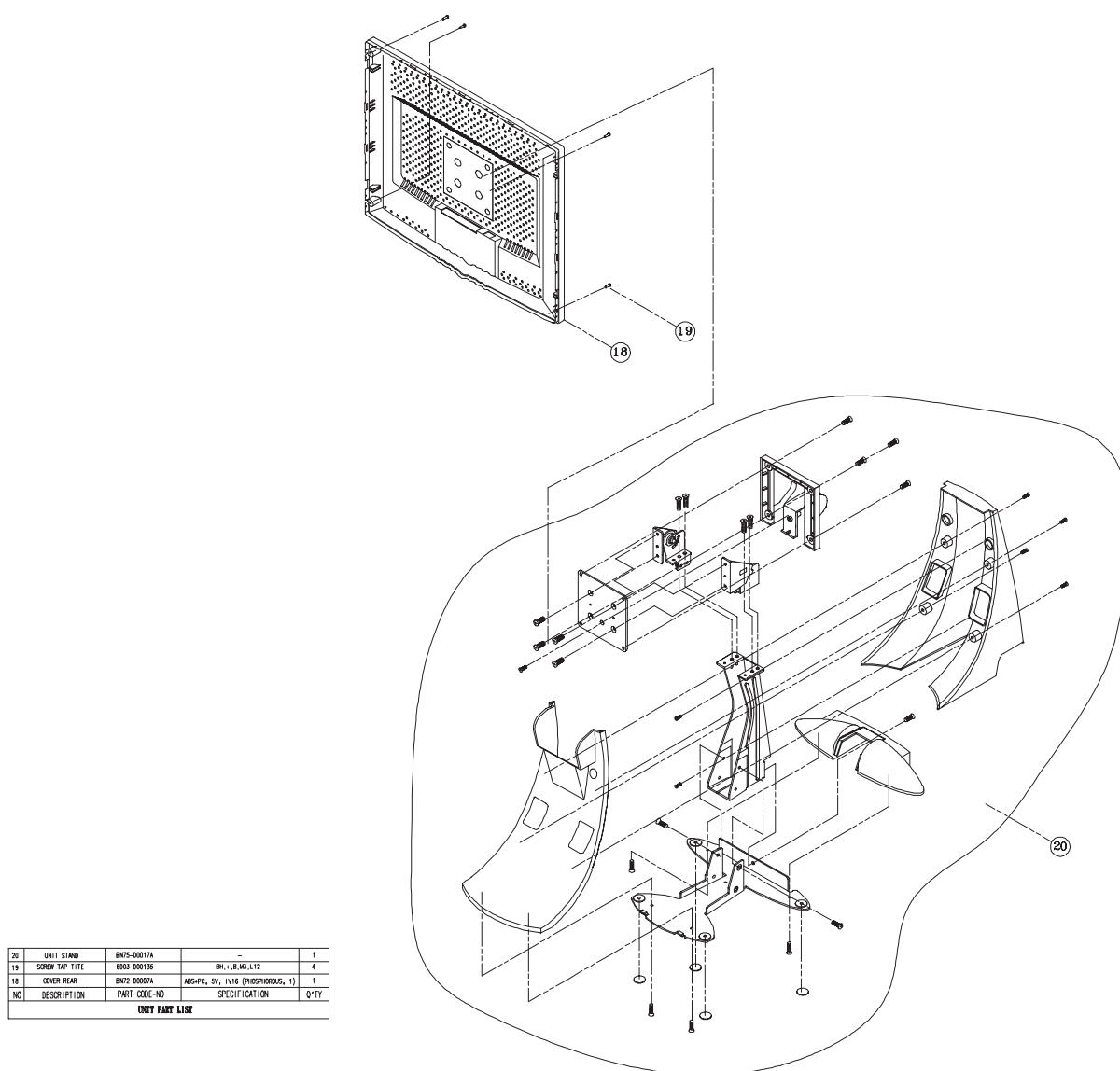
UNIT PART LIST

5-2 PCB Ass'y



17	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	13
16	SHIELD PCB	BN70-00017A	SECC 10,8	1
15	SHIELD D-SUB	BN70-00115A	SPTC 10,5	1
14	INVERTER HARNESS	BN39-00002A	18P,60mm	1
13	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	4
12	MAIN PCB ASS'Y	BN04-00048A	230+100mm	1
11	LVDS HARNESS	BN39-00001S	20P,150mm	1
10	SCREW TAP TITE	6003-000269	BH,+,5,M3,L6	2
9	INVERTER PCB	BN44-00022A	S1C 241T	1
8	SCREW TAP TITE	6003-00013S	BH,+,6,M3,L12	6
7	BRKT PANEL	BN70-00016B	SECC 11,0	1
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY
UNIT PART LIST				

## 5-3 Rear Cover &amp; Stand Ass'y



## 6 Electrical Parts List

### 6-1 Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
C100	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C101	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C102	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C103	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C104	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C105	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C106	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C107	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C109	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,4x5.4,1mm,TP"	
C110	2409-001004	C-ORGANIC	"100uF,20%,16V,LL,BK,8x10.5.3"	
C111	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C112	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C113	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C114	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C115	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C116	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C117	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C118	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C119	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C120	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C121	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,4x5.4,1mm,TP"	
C122	2402-000170	"C-AL,SMD"	"1uF,20%,50V,GP,4x5.4,1mm,TP"	
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	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C126	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C127	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C128	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C129	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C130	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C200	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C201	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C202	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C203	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C204	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C205	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C206	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C207	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C208	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C209	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C210	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C211	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C212	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C213	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	

## 6 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C214	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C215	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C216	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C217	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C218	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C219	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C220	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C221	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C222	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C223	2203-000357	"C-CERAMIC,CHIP"	"150pF,5%,50V,NPO,TP,1608,-"	
C224	2203-000843	"C-CERAMIC,CHIP"	"39nF,10%,25V,X7R,TP,1608,-"	
C225	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C227	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C228	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C229	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C230	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C231	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C233	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C234	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C235	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C236	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C237	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C238	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C239	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C240	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C241	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C242	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C243	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C244	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608,-"	
C245	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C246	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608,-"	
C247	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C248	2203-002398	"C-CERAMIC,CHIP"	"22nF,10%,50V,X7R,TP,1608,-"	
C249	2203-000140	"C-CERAMIC,CHIP"	"1.5nF,10%,50V,X7R,TP,1608,-"	
C250	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C251	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C252	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C253	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C254	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C255	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C256	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C257	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C258	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C261	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C300	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	

Loc. No.	Code No.	Description	Specification	Remarks
C301	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C302	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C303	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C304	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C305	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C306	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C307	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C308	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C309	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C310	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C311	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C312	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C313	2203-000384	"C-CERAMIC,CHIP"	"15pF,5%,50V,NPO,TP,1608,-"	
C314	2203-000384	"C-CERAMIC,CHIP"	"15pF,5%,50V,NPO,TP,1608,-"	
C315	2203-000384	"C-CERAMIC,CHIP"	"15pF,5%,50V,NPO,TP,1608,-"	
C316	2203-000384	"C-CERAMIC,CHIP"	"15pF,5%,50V,NPO,TP,1608,-"	
C317	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C319	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4"	
C320	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C321	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C322	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C323	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C400	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C401	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C402	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C403	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C404	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C405	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C500	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C501	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C502	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C503	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C504	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C505	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C506	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C507	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C508	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C509	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C510	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C511	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C512	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C513	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C514	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C515	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C516	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C517	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C518	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	



## 6 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C519	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C520	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C550	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C551	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C552	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C553	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C554	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C555	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C556	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C557	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C600	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C601	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C602	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C603	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C604	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C605	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C606	2203-000440	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1608,-"	
C700	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C701	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C702	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C703	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C704	2402-000168	"C-AL,SMD"	"100uF,20%,16V,-,8.3x8.3x6.2mm,"	
C705	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C706	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C707	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C708	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C709	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C710	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C711	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C712	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C713	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C714	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C715	2402-000108	"C-AL,SMD"	"10uF,20%,16V,WT,TP,4.3x4.3x5.4"	
C716	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C717	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C718	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
CA300	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA301	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA302	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA303	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA304	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA305	2503-001019	C-NETWORK	"33PFX4,10%,50V,CHIP"	
CA500	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA501	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA502	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA503	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA504	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	

Loc. No.	Code No.	Description	Specification	Remarks
CA505	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CN100	3711-002049	CONNECTOR-HEADER	"BOX,6P,1R,1.25mm,SMD-A,SN"	
CN101	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	
CN102	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	
CN200	3701-001129	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN300	3701-001173	CONNECTOR-DVI	"24P,3R,FEMAIL,ANGLE,AUF"	
CN600	3711-003161	CONNECTOR-HEADER	"BOX,20P,1R,1.25mm,ANGLE,SN"	
D100	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D101	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D102	0402-000553	DIODE-RECTIFIER	"SS24,40V,2.0A,DO-214AA"	
D200	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D201	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D202	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D300	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"	
D303	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D304	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D305	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D306	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D307	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D308	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D309	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D310	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT200	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT201	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT202	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"	
FT300	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT301	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT302	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT303	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT304	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT400	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT500	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT501	2901-001115	FILTER-EMI SMD	"50VDC,500mADC,-,20pF,3.1x1.6x2"	
FT502	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT600	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT601	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT602	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT603	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT700	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT701	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC100	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC101	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC102	1203-001488	IC-POSI.FIXED REG.	"7805,T0-252,3P,-,PLASTIC,4.8/5"	
IC103	1203-001447	IC-POSI.FIXED REG.	"2596,T0-263,5P,-,PLASTIC,3.135"	

## 6 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
IC200	0803-000117	IC-TTL	"74F14,INVERTER,SOP,14P,150MIL,"	
IC201	1204-001551	IC-VIDEO SYSTEM	"GS1881,SOIC,8P,150MIL,PLA"	
IC202	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL"	
IC203	0803-000275	IC-TTL	"74F32,OR GATE,SOP,14P,150MIL,Q"	
IC204	1203-001538	IC-POS1.ADJUST REG.	"431,SOT-89,3P,-,PLASTIC,2.47/3"	
IC205	1002-001224	IC-A/D CONVERTER	"TDA8752BH/8/C6,8BIT,QFP,"	
IC300	1103-000129	IC-EEPROM	"24C02,256*8BIT,SOP,8P,150MIL,1"	
IC301	1006-001131	IC-RECEIVER	"151,QFP,100P,-,-,TR,PLASTIC,-0"	
IC400	0801-002237	IC-CMOS LOGIC	"74HC04,INVERTER GATE,SOP,5P,49"	
IC401	BN09-00001A	IC-OSD PROCESSOR	"LCD,MTV121P-31,16P,-"	
IC500	0801-002550	IC-CMOS LOGIC	"74VCX00,NAND GATE,SOP,14P,150M"	
IC501	0904-001419	IC-GRAPHIC CONT.	"gmZ2A,-,PQFP,208P,-,95MHz,TR,-"	
IC505	0801-002568	IC-CMOS LOGIC	"74LVX02,NORGATE,TSSOP,14P,"	
IC506	0801-002559	IC-CMOS LOGIC	"74LVX74,DFLIP-FLOP,TSSOP,14"	
IC507	0803-000777	IC-TTL	"74F163,COUNTER,SOP,16P,150MIL,"	
IC508	0802-001094	IC-BICMOS LOGIC	"74LVT374,DFLIP-FLOP,TSSOP"	
IC600	1205-001740	IC-TRANSMITTER	"DS90C385,TSSOP,56P,240MIL,PLAS"	
IC700	1203-001109	IC-VOL. DETECTOR	"7045,SOT-89,3P,-,PLASTIC,4.3/4"	
IC701	0903-001194	IC-MICROCONTROLLER	"3P863,8BIT,SDIP,42P,600MIL,12"	
IC702	1103-001023	IC-EEPROM	"24C08,1028x8BIT,SOP,8P,150MIL,"	
IC703	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
IC704	0803-000117	IC-TTL	"74F14,INVERTER,SOP,14P,150MIL,"	
IC705	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
IC706	0801-002393	IC-CMOS LOGIC	"74VHC244,BUSBUFFER,TSSOP,20P"	
L100	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L101	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L102	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L103	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L104	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L105	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L106	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L107	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L108	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L109	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L110	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L111	BN27-20001A	COIL-CHOKE	"53.0UH,20%,DR10*5,TRAY,-,-"	
L112	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L113	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L114	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L115	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L116	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L117	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L118	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L119	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L200	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L201	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L202	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	

Loc. No.	Code No.	Description	Specification	Remarks
L203	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L204	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L205	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L206	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L207	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L300	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
L301	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L302	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L520	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L522	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L524	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L526	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L700	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L701	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
Q100	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075"	
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"	
Q104	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075"	
Q510	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q700	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q701	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
R100	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R101	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R102	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R103	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R104	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R105	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R106	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R107	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R108	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R109	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R110	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R111	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R112	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R113	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R114	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R115	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R200	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R201	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R202	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R203	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R204	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R205	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R206	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R207	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R208	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

## 6 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R209	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R210	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R211	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R212	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R213	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R214	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R215	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R216	2007-000124	R-CHIP	"2.2Kohm,5%,1/16W,DA,TP,1608"	
R217	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R218	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R219	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R220	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R221	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R222	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R223	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R224	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R225	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R226	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R300	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R301	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R302	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R303	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R305	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R307	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R308	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R309	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R310	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R311	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R312	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R313	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R314	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R315	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R316	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R317	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R318	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R319	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R320	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R321	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R322	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R323	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R324	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R325	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R327	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R328	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R329	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R400	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R401	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R402	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R403	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R404	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R405	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R406	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R501	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R502	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R510	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R512	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R600	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R601	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R602	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R603	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R700	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R701	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R702	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	
R703	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R704	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R705	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R706	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R707	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R709	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R710	2007-000122	R-CHIP	"1.2Kohm,5%,1/16W,DA,TP,1608"	
R711	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R712	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R713	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R714	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R715	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R716	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R717	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R718	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R719	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R720	2007-000122	R-CHIP	"1.2Kohm,5%,1/16W,DA,TP,1608"	
R721	2007-000122	R-CHIP	"1.2Kohm,5%,1/16W,DA,TP,1608"	
R722	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R723	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R724	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R725	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R726	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R727	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R728	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R729	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R730	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R731	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R732	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R733	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	


## 6 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R734	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R735	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R736	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R737	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R738	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R739	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R740	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R741	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R742	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R743	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R744	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R745	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R746	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R747	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R748	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R749	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R750	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R751	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R752	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R753	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R754	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R755	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R756	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R757	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R758	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R759	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R760	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R761	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R762	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R763	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R764	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R765	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R781	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R782	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
RA200	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA201	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA202	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA203	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA204	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA206	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA207	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA208	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA209	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA210	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA211	2011-001015	R-NETWORK	"1Kohm,5%,1/16W,L,CHIP,8P,TP"	
RA300	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	



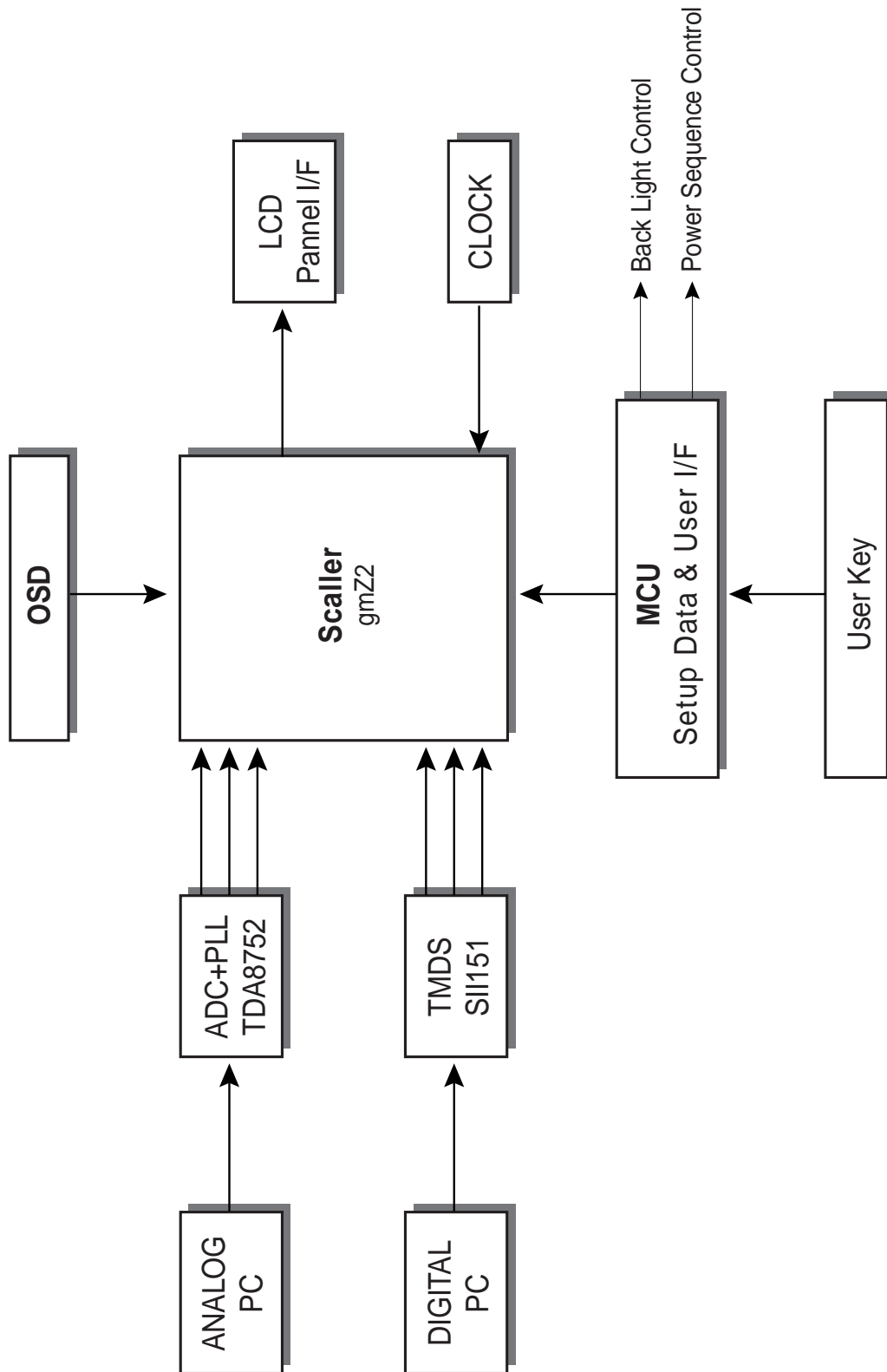
Loc. No.	Code No.	Description	Specification	Remarks
RA301	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA302	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA303	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA304	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA305	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA306	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA500	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
RA501	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
RA502	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
RA503	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
RA504	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
RA505	2011-000585	R-NETWORK	"47ohm,5%,1/16W,L,CHIP,8P,TP"	
X500	2804-001310	OSCILLATOR-CLOCK	"75MHZ,50PPM,10TTL &CMOS,BK,3.3"	
X700	2801-003773	CRYSTAL-SMD	"12MHz,30ppm,28-AAN,20pF,50ohm,"	
ZD200	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD201	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD202	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD203	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD204	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD205	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD206	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD207	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD300	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD301	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD302	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD700	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

## Others

Loc. No.	Code No.	Description	Specification	Remarks
LCD	BN07-00009A	LCD-PANNEL	LTM150XS-L01,331.3*257.9*15.9,TN VERTICAL STRIPE,0.297*0.297	
P/CORD	BH39-10307X	CBF-POWER/CORD	DET,H05VV-F,250V/6A,IVY,1830MM	
S/CABLE (DVI CABLE) : OPTION	BN39-00072A	CBF-SIGNAL	DET,2000MM,24P/24P,IVORY, DVI	
PROCESS-PBA UNIT	BN94-00048A	ASSY,PCB-ST	GR15MS-XGN1/0002,SAMSUNG-	
ADAPTER	BN44-00011A	ADAPTER	90V-264V, AD-362(O)-,-,12VDC/3A	
INVENTER	BN44-00022A	INVENTER	SIC241T(S),2LAMP	

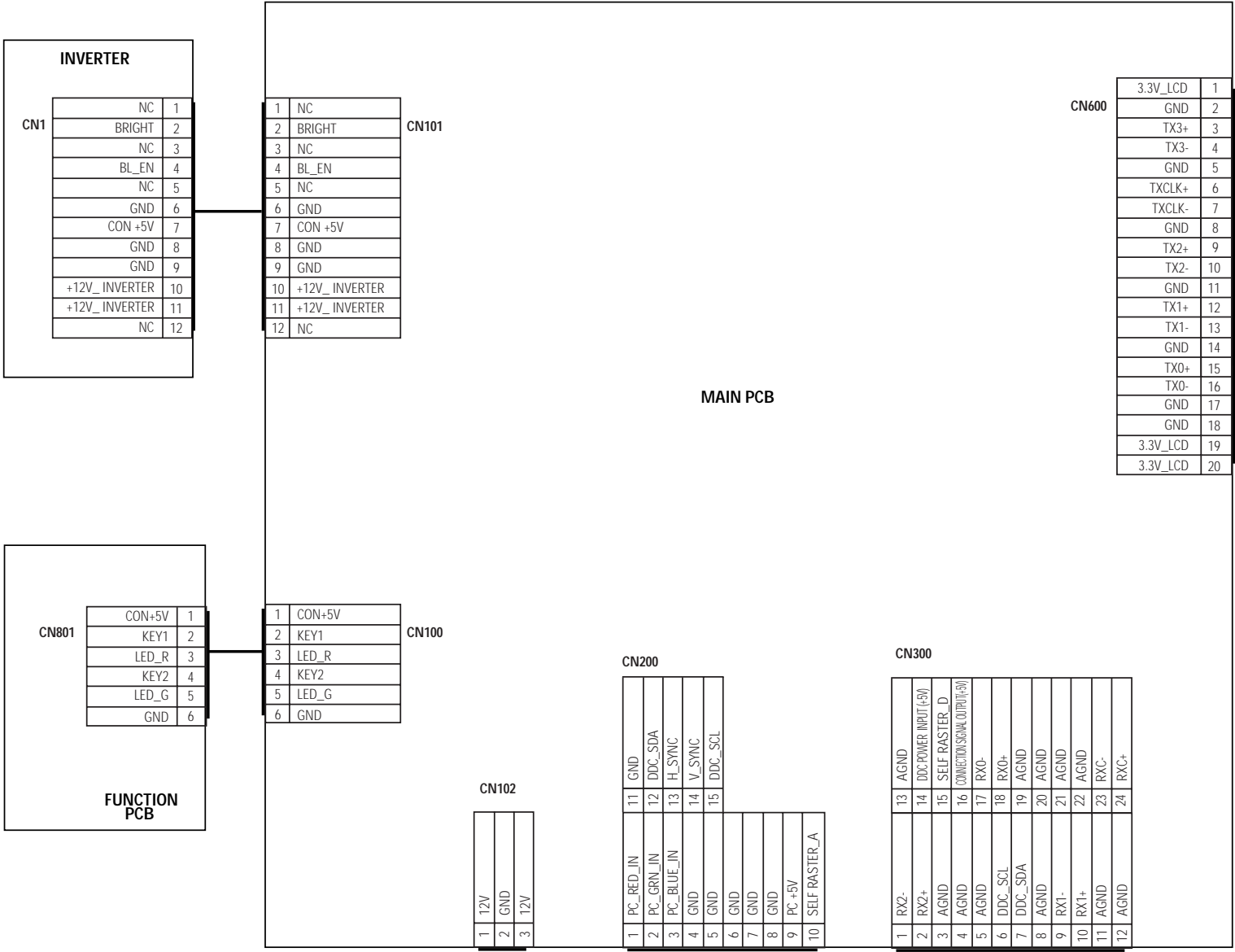


## 7 Block Diagram

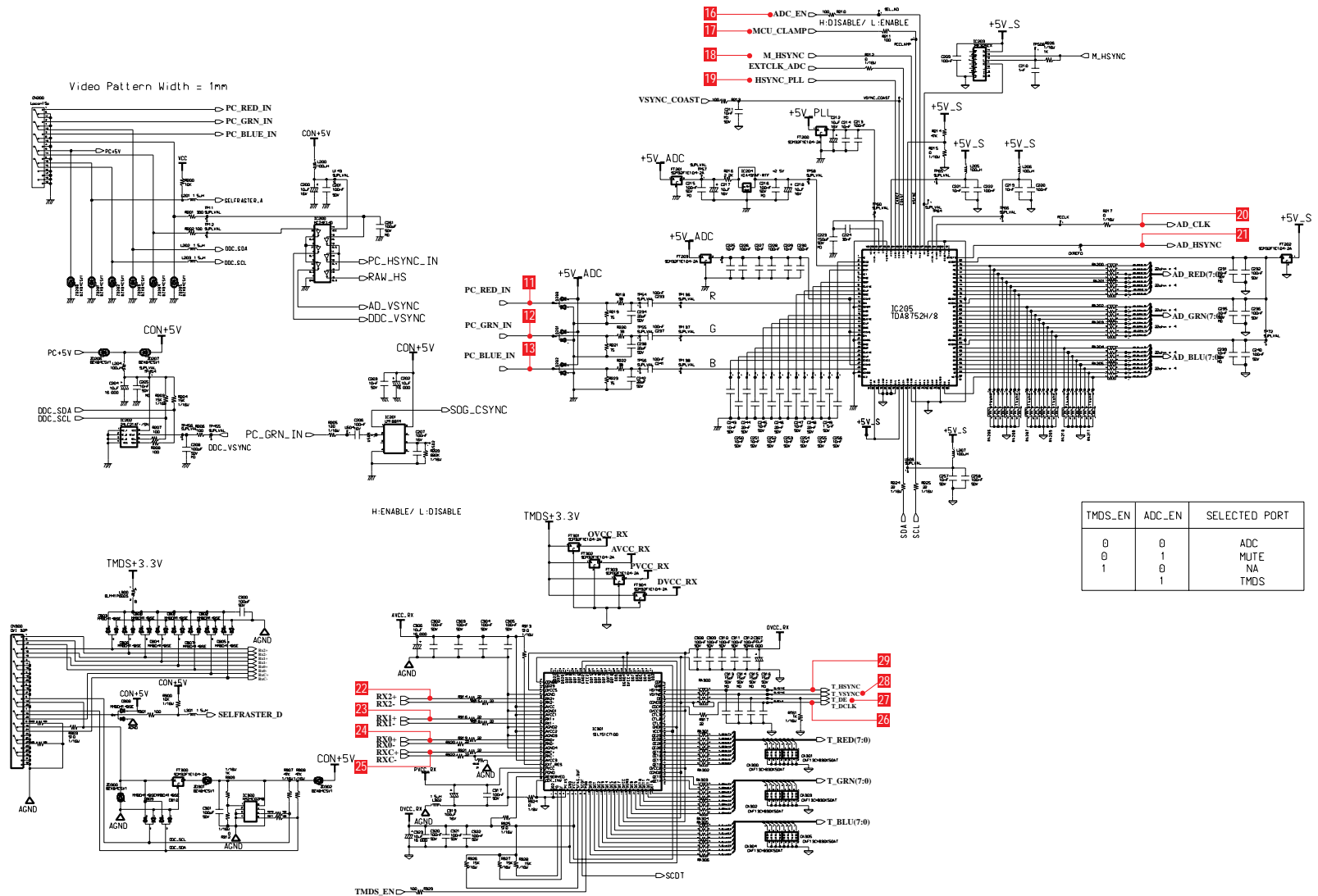


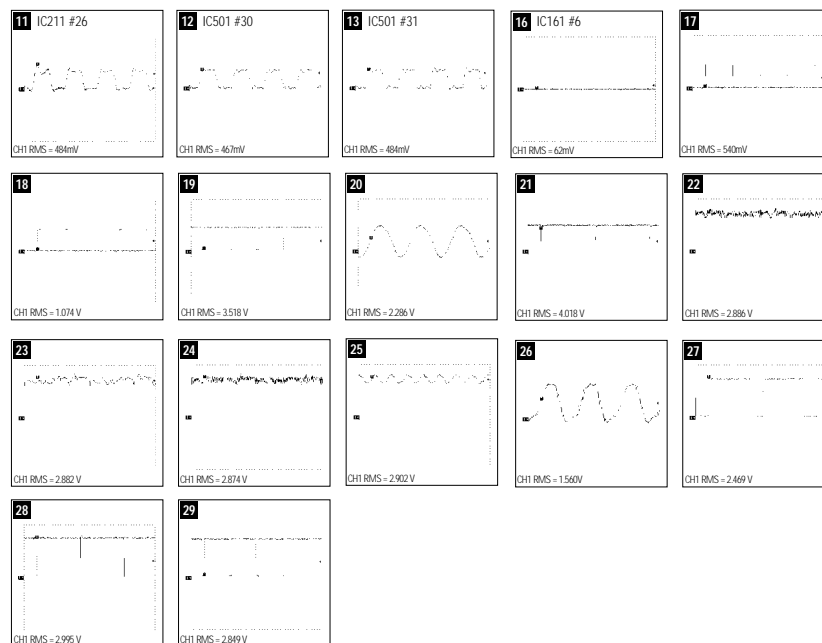
## Memo

8 Wiring Diagram

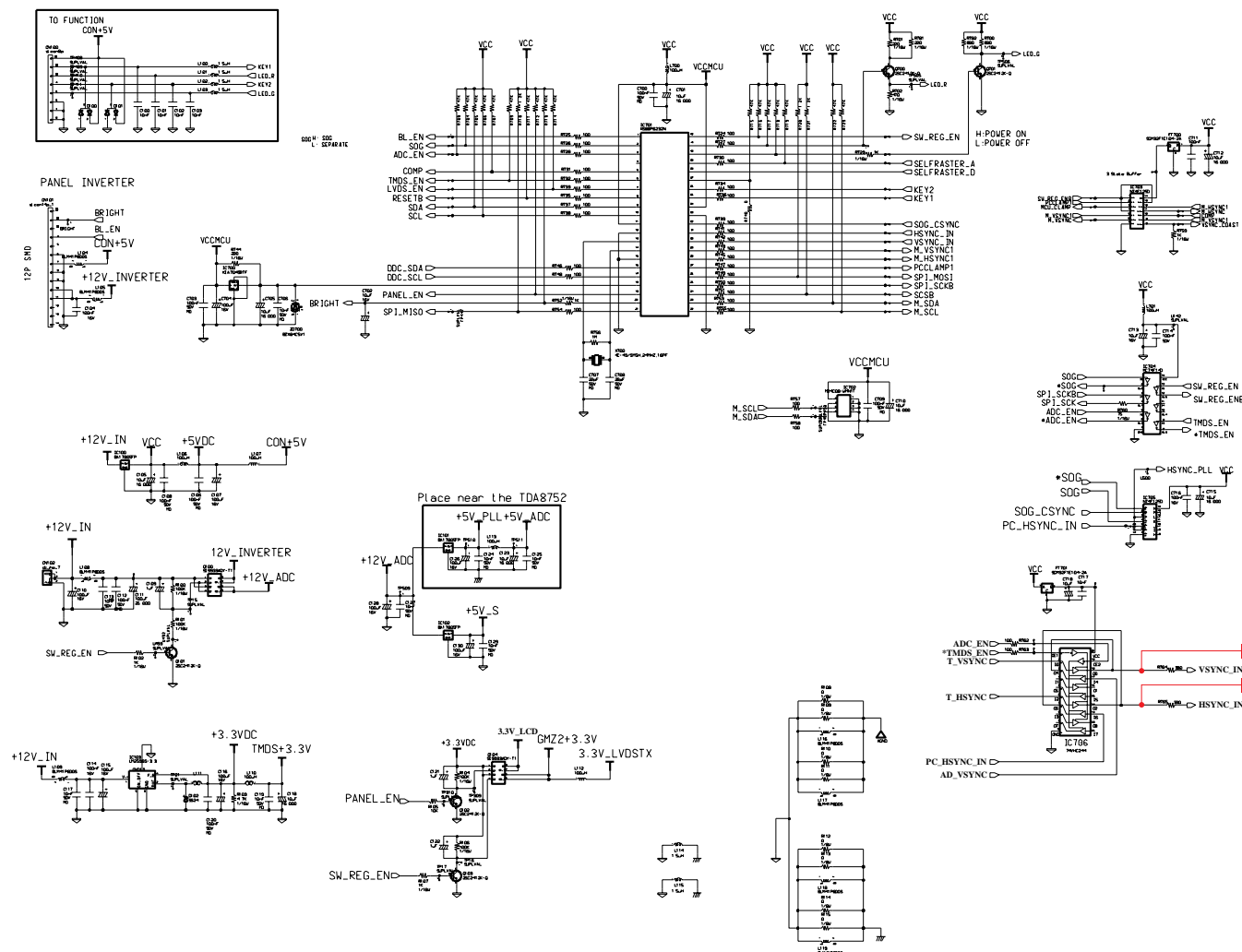


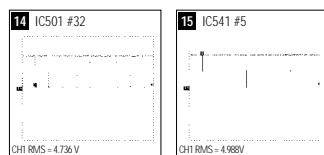
### 9-1 ADC & TMDS Part Schematic Diagram





## 9-2 Micom &amp; Power Part Schematic Diagram





### 9-3 Scaler Part Schematic Diagram

