



COLOR MONITOR

SyncMaster 170T
SyncMaster 180T

SERVICE Manual

COLOR MONITOR



SyncMaster 170T



SyncMaster 180T

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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.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor, 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*).

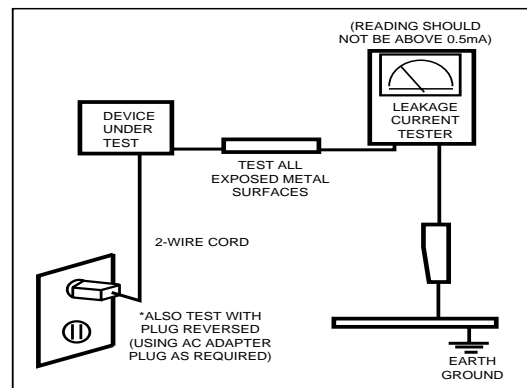



Figure 1-1. Leakage Current Test Circuit

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	
	Analog	Digital
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 17-Inch (18.1-Inch) viewable, 0.264 (H) x 0.264 (V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz to 81 kHz (Automatic) Vertical : 56 Hz to 85 Hz (~XGA), 76 Hz (SXGA)	30 kHz to 64 kHz 56 Hz to 85 Hz (~XGA), 60Hz(SXGA)
Display Colors	16,7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels @ 81 kHz Vertical : 1024 Pixels @ 76 Hz	64kHz 60Hz
Input Video Signal	Analog, 0.714 Vp-p \pm 5% positive at 75 Ω , internally terminated	TMDS
Input Sync Signal	Type : Seperate H/V sync, Composite H/V, Sync-on-Green Level : TTL level (V high \geq 2.0 V, V low \leq 0.8 V), Sync-on-Green (\leq -0.25 V)	
Maximum Pixel Clock rate	135 MHz	108MHz
Active Display Horizontal/Vertical	338 \pm 3 mm 270 \pm 3 mm	
AC power voltage & Frequency	AC 90 to 264 Volts, 60/50 Hz \pm 3 Hz	
Power Consumption	42 W (max.), 40W (normal)	
Dimensions	170T	180T
Unit (W x D x H)	17.32 x 7.16 x 18.19 Inches (440 x 182 x 462 mm)	17.7 x 18.2 x 7.2 Inches (449.4 x 461.2 x 182 mm)
Carton (W x D x H)	22.91 x 22.51 x 12.48 Inches (582 x 572 x 317 mm)	22.4 x 11.6 x 22.8 Inches (570 x 295 x 580 mm)
Weight (Net/Gross)	7.9 kg (17.41 lbs) / 10.3 kg (22.70 lbs)	8.3 kg (18.29 lbs) / 11.8 kg (26.01 lbs)
Environmental Considerations	Operating Temperature : 50°F to 104°F (10°C to 35°C) Humidity : 10 % to 80 % Storage Temperature : -68°F to 113°F (-20°C to 45°C) Humidity : 5 % to 95 %	
<ul style="list-style-type: none"> • SyncMaster 170T/180T comply with SWEDAC (MPRII) recommendations for reduced electromagnetic fields. • Designs and specifications are subject to change without prior notice. 		

2-2 Pin Assignments

Pin No.	Sync Type	15-Pin D-Sub 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		DDC Return (GND)	DDC Return (GND)	DDC Return (GND)
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		Self Raster	Self Raster	Self Raster
11		GND	GND	GND
12		Bi-Dr Data (SDA)	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)
13		H-Sync	H/V-Sync	Not Used
14		V-Sync	Not Used	Not Used
15		DDC Clock (SCL)	DDC Clock (SCL)	DDC Clock (SCL)

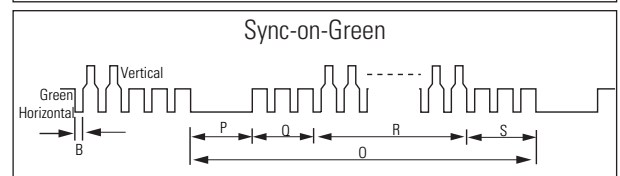
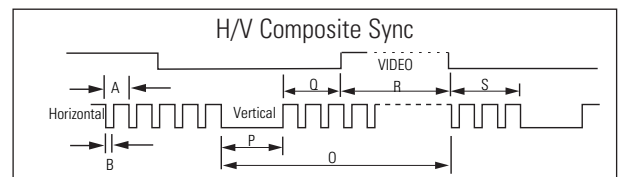
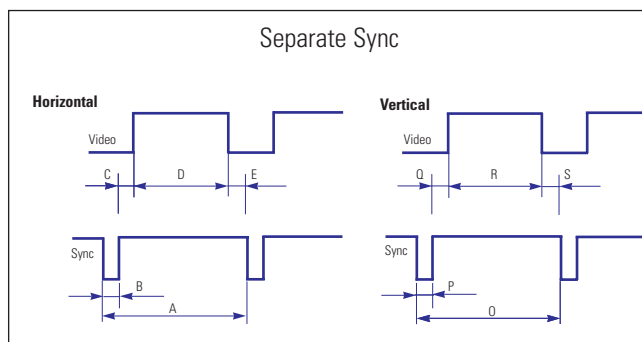
Pin No.	Sync Type	24-Pin DVI-D(TMDS)		
1		Rx2-	13	No Connection
2		Rx2+	14	DDC Power Input (+5V)
3		GND	15	Self Raster
4		No Connection	16	Connection Signal Output (+5V)
5		No Connection	17	Rx0-
6		DDC Clock (SCL)	18	Rx0+
7		DDC Data (SDA)	19	GND
8		No Connection	20	No Connection
9		Rx1-	21	No Connection
10		Rx1+	22	GND
11		GND	23	RxC+
12		No Connection	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	640/75 Hz 640 x 480	640/85 Hz 640 x 480	800/75 Hz 800 x 600	800/85 Hz 800 x 600	1024/60Hz 1024 x 768	1024/75Hz 1024 x 768	1024/85Hz 1024x768	1280/76Hz 1280x1024 (Analog Only)	1280/75Hz 1280x1024 (Analog Only)
fH (kHz)	31.469	31.469	37.500	43.269	46.875	53.674	48.363	60.023	68.677	81.129	79.976
A μsec	31.777	31.778	26.667	23.111	21.333	18.631	20.677	16.660	14.561	16.640	12.504
B μsec	3.813	3.813	2.032	1.556	1.616	1.138	2.092	1.219	1.016	6.400	1.067
C μsec	1.589	1.589	3.810	2.222	3.232	2.702	2.462	2.235	2.201	2.880	1.837
D μsec	26.058	26.058	20.317	17.778	16.162	14.222	15.754	13.003	10.836		9.481
E μsec	0.318	0.318	0.508	1.556	0.323	0.569	0.369	0.203	0.508	3.200	0.119
fV (Hz)	70.087	59.940	75.000	85.008	75.000	85.061	60.004	75.029	84.997	76.106	75.025
O msec	14.268	16.683	13.333	11.764	13.333	11.756	16.666	13.328	11.765	10.660	13.329
P msec	0.064	0.064	0.080	0.671	0.064	0.056	0.124	0.050	0.044	0.080	0.038
Q msec	0.858	0.794	0.427	0.578	0.448	0.503	0.600	0.466	0.524	3.200	0.475
R msec	13.155	15.761	12.800	11.093	12.800	11.179	15.880	12.795	11.183		12.804
S msec	0.191	0.064	0.027	0.023	0.021	0.019	0.062	0.017	0.015	0.020	0.013
Clock Freq. (MHz)	28.322	25.175	31.500	49.500	49.500	56.250	75.000	78.750	94.500	135.000	135.000
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
V.Sync	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Com.	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

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the SyncMaster 170T/180T TFT-LCD monitors.

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

3-1 Disassembly (SyncMaster 170T)

- 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. With a pad beneath it, stand the monitor on its front with the screen facing downward and the base close to you. Make sure nothing will damage the screen.
2. Remove the 4 screws on the Stand.

Caution: Be careful. The signal cable and power cable are still attached to the monitor.

3. Disconnect the Signal Cable and Power Cord.

3-1-2 Main Body Disassembly

1. Remove 2 screws on the Rear Cover.
2. Pull the Rear Cover up and off the monitor.
3. Remove 15 screws on the PCB Shield and remove the Shield.
4. Remove 4 screws on the Main PCB and 2 screws on the Inverter PCB and 2 screws on the 10P Harness.

5. Disconnect the interface wire (31P) between the Panel and the CN601 connector on the Main PCB.
6. Disconnect the Function PCB wire (10P) between the Function PCB and the CN102 connector on the Main PCB.
7. Disconnect 2 Inverter wires between the Panel and the CN2, 3 connectors on the Inverter PCB and disconnect the 12P harness between CN1 connector on the inverter and CN103 connector on the Main PCB.
8. Carefully lift the Main PCB Assembly and Inverter PCB and place them on a flat, level surface that is protected from static electricity.
9. Remove 4 screws on the PCB Bracket.
10. Remove the Bracket Assembly from the Front Cover.
11. Remove the 3 screws on the Function PCB from the Front Cover and remove the Function PCB and Function Knob.
12. Remove 4 screws on the Front Shield and remove the PCB Bracket and the Front Shield.

3-2 Disassembly (SyncMaster 180T)

3-2-1 Removing the Stand

1. Remove 4 screws on the Stand.

3-2-2 Main Body Disassembly

1. Remove 4 screws on the Rear Cover.
2. Pull the Rear Cover up and off the monitor.
3. Remove 4 screws on the BRKT-VESA and Remove the BRKT-VESA.
4. Remove 16 screws on the PCB Shield and remove the Shield.
5. Remove 7 screws on the Main PCB and 2 screws on the Inverter PCB and 2 screws on the 10P Harness.
6. Disconnect the connector (140P) between the Panel and the CN600 connector on the Main PCB.
7. Disconnect the Function PCB wire (10P) between the Function PCB and the CN102 connector on the Main PCB.
8. Disconnect 2 Inverter wires between the Panel and the CN2, CN3 connectors on the Inverter PCB.
9. Disconnect the 12P harness between CN1 connectors on the Inverter PCB and CN103 connector on the Main PCB.
10. Carefully lift the Main PCB Assembly and Inverter PCB and place them on a flat, level surface that is protected from static electricity.
11. Remove 10 screws on the PCB Bracket.
12. Remove the Bracket Assembly from the Front Cover.
13. Remove the 2 screws on the Function PCB from the Front Cover and remove the Function PCB and Function Knob.

3-3 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

5 Troubleshooting

Notes: 1. Before troubleshooting, setup the PC's display as below.

- Resolution: 1280 x 1024
- H-frequency: 64 kHz
- V-frequency: 60 Hz

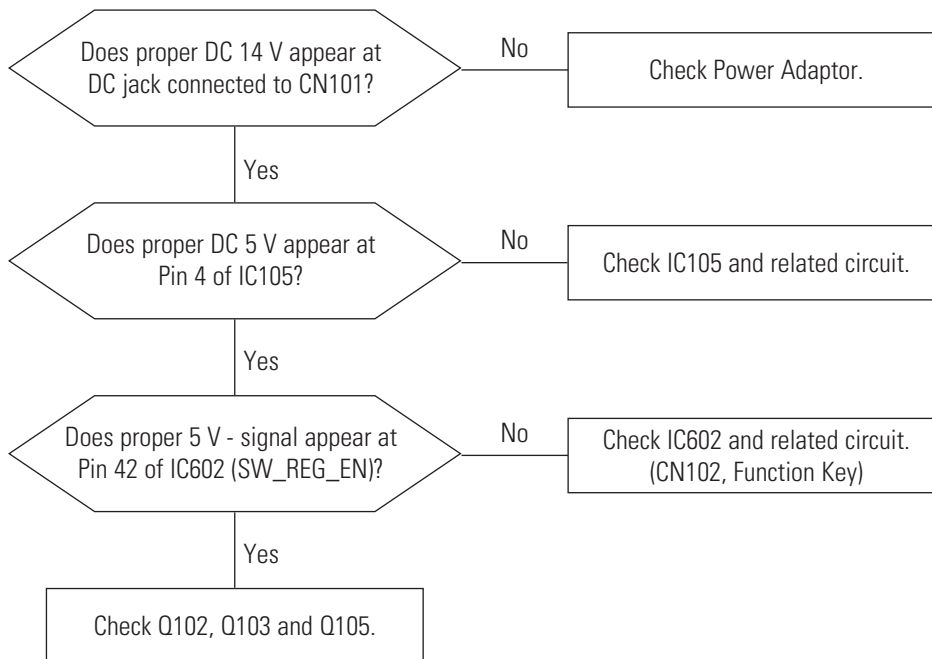
2. If no picture appears, make sure the power cord is correctly connected.

3. Check the following circuits.

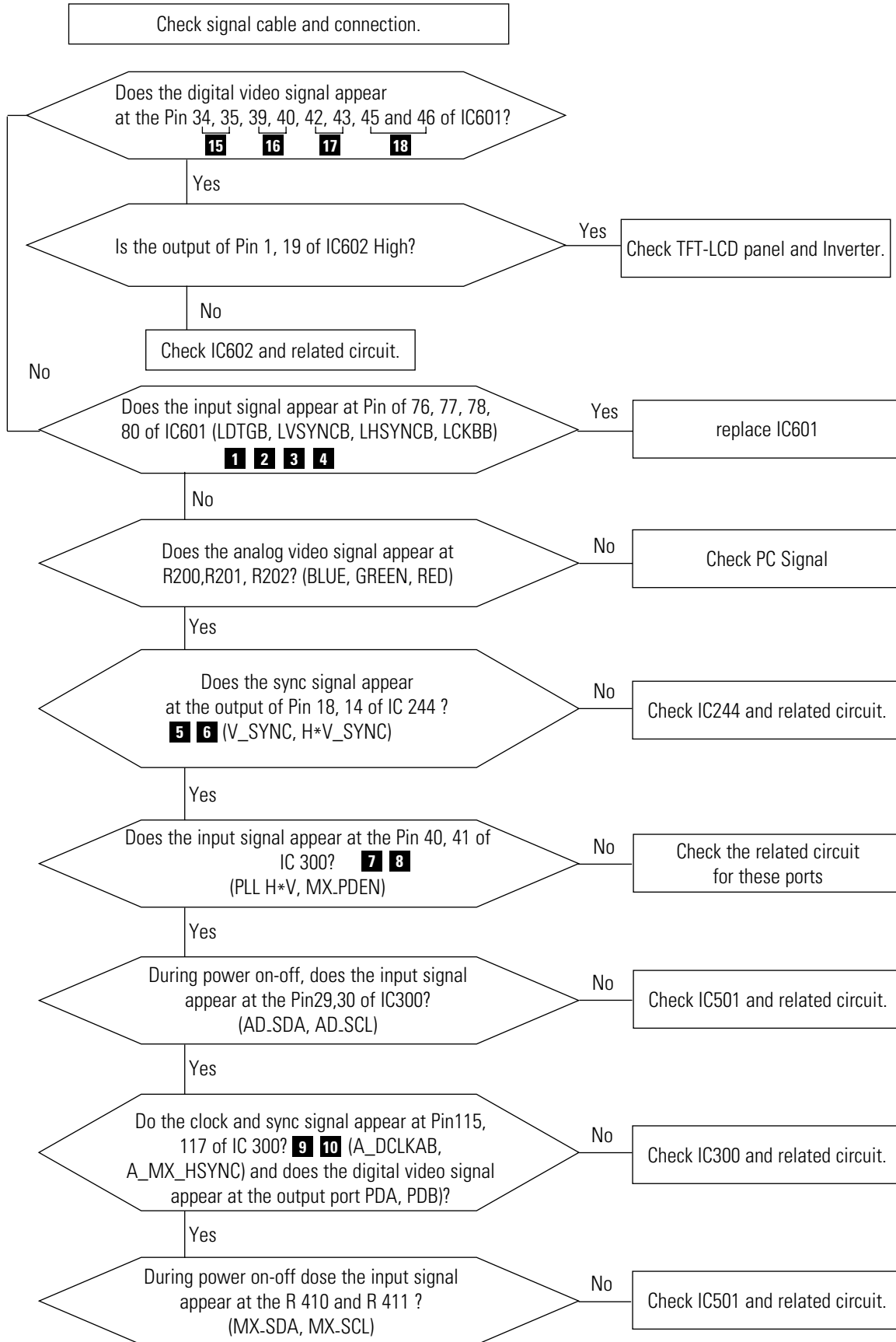
- No raster appears: Stand PCB, Main PCB
- 14V develop but no screen: Main PCB
- 14V does not develop: Main PCB

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

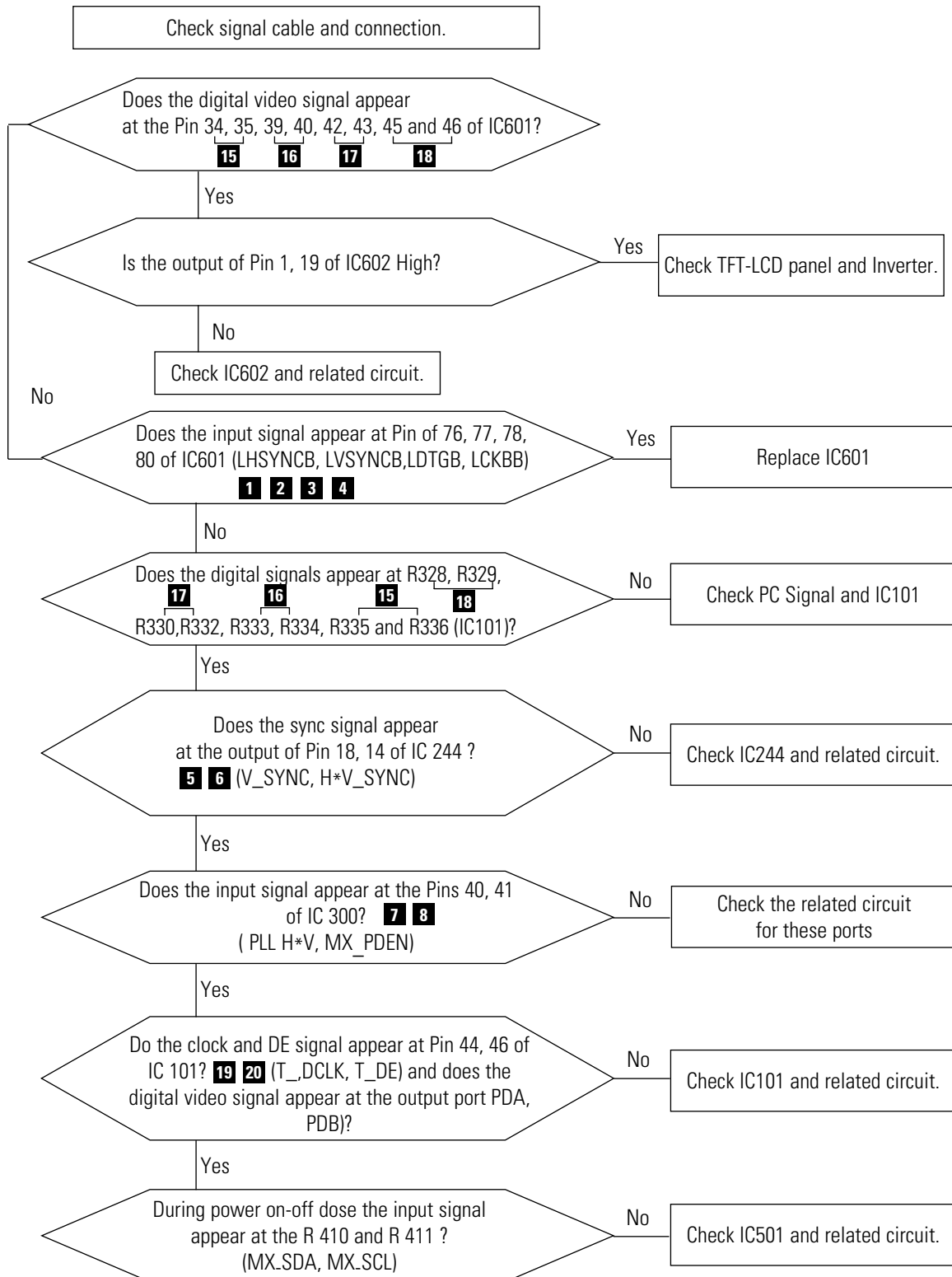
5-1 No Power



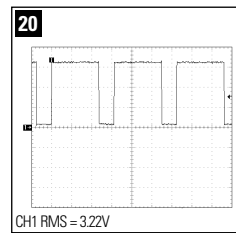
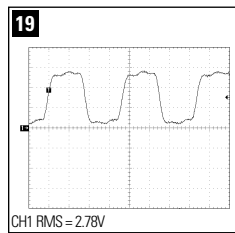
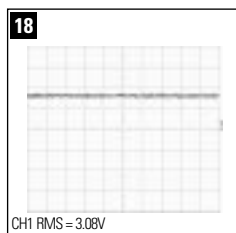
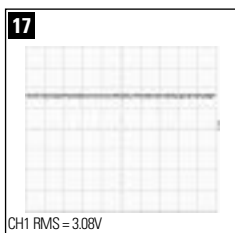
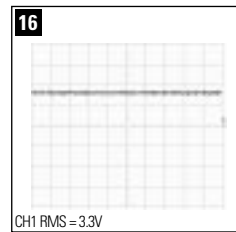
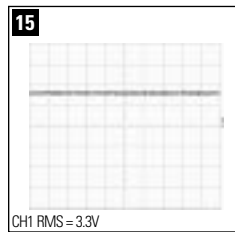
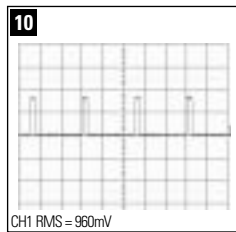
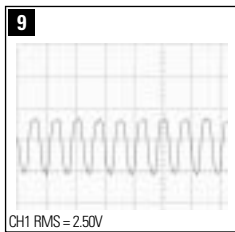
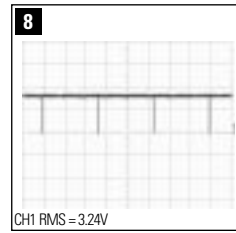
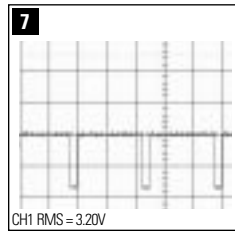
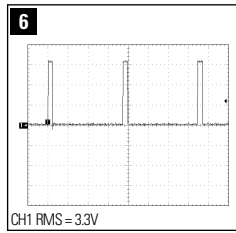
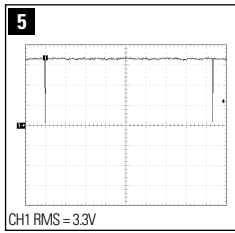
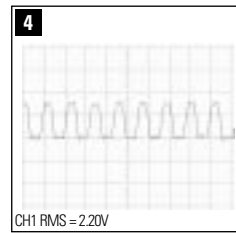
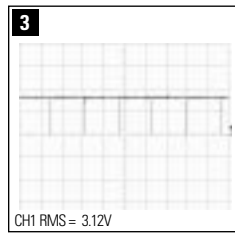
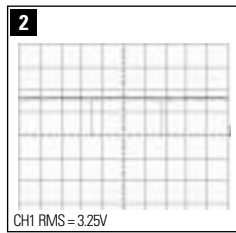
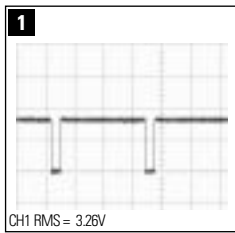
5-2 No Video [Analog]



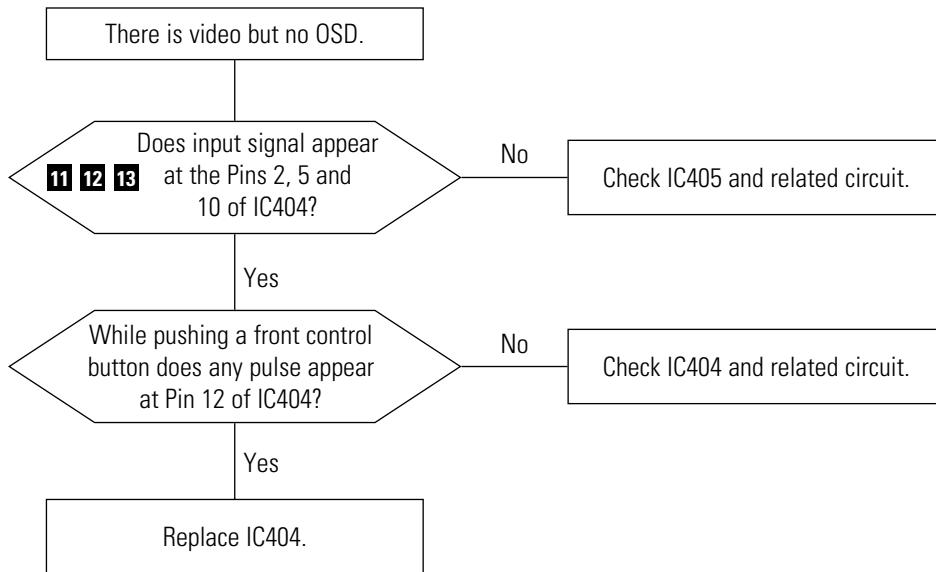
5-2-1 No Video [Digital]



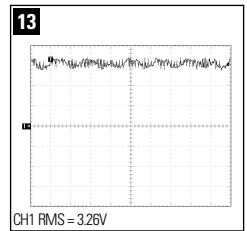
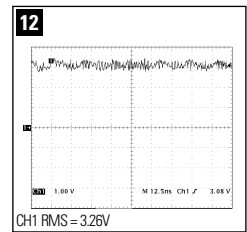
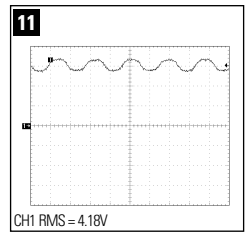
WAVEFORMS



5-3 No OSD

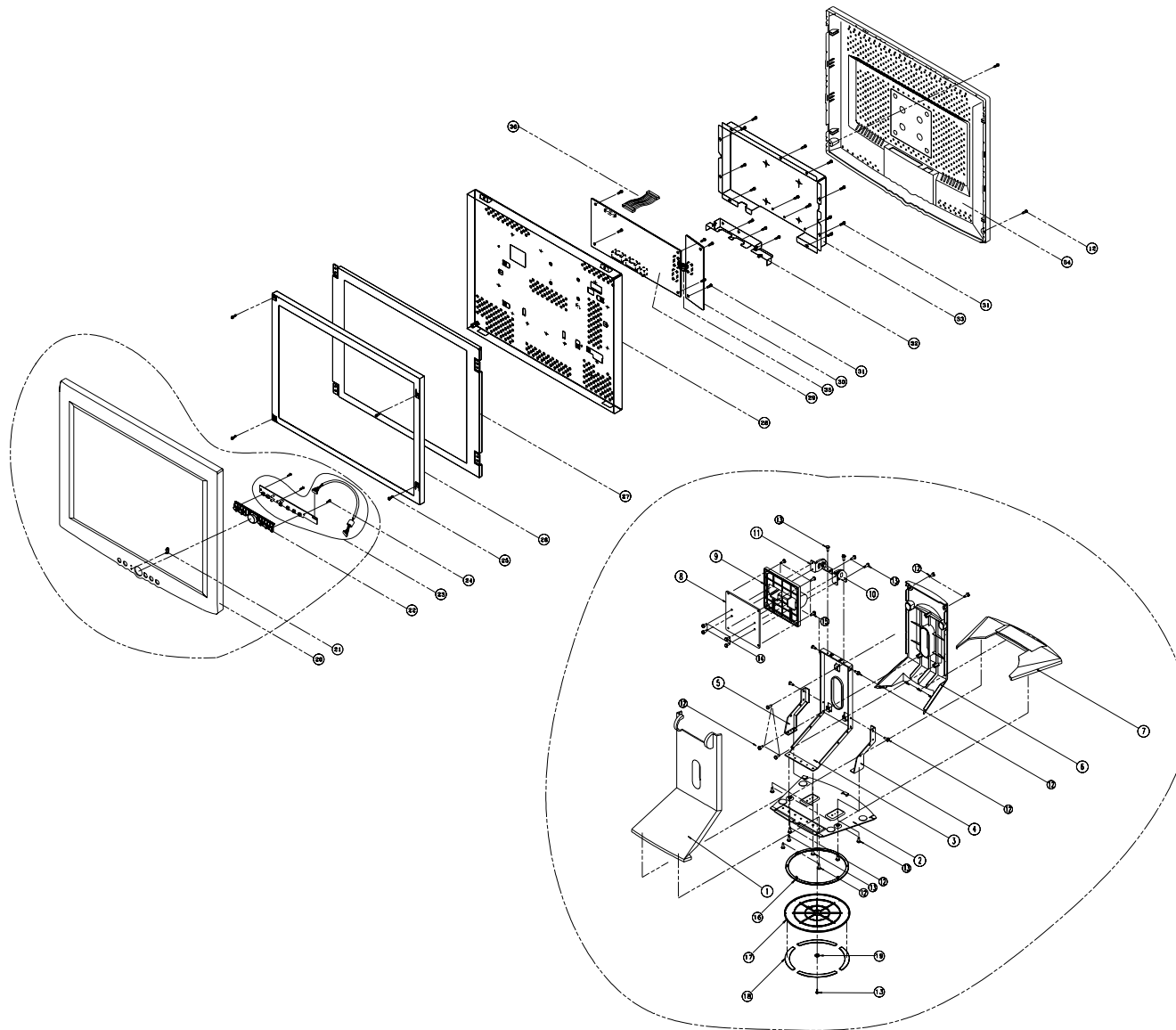


WAVEFORMS



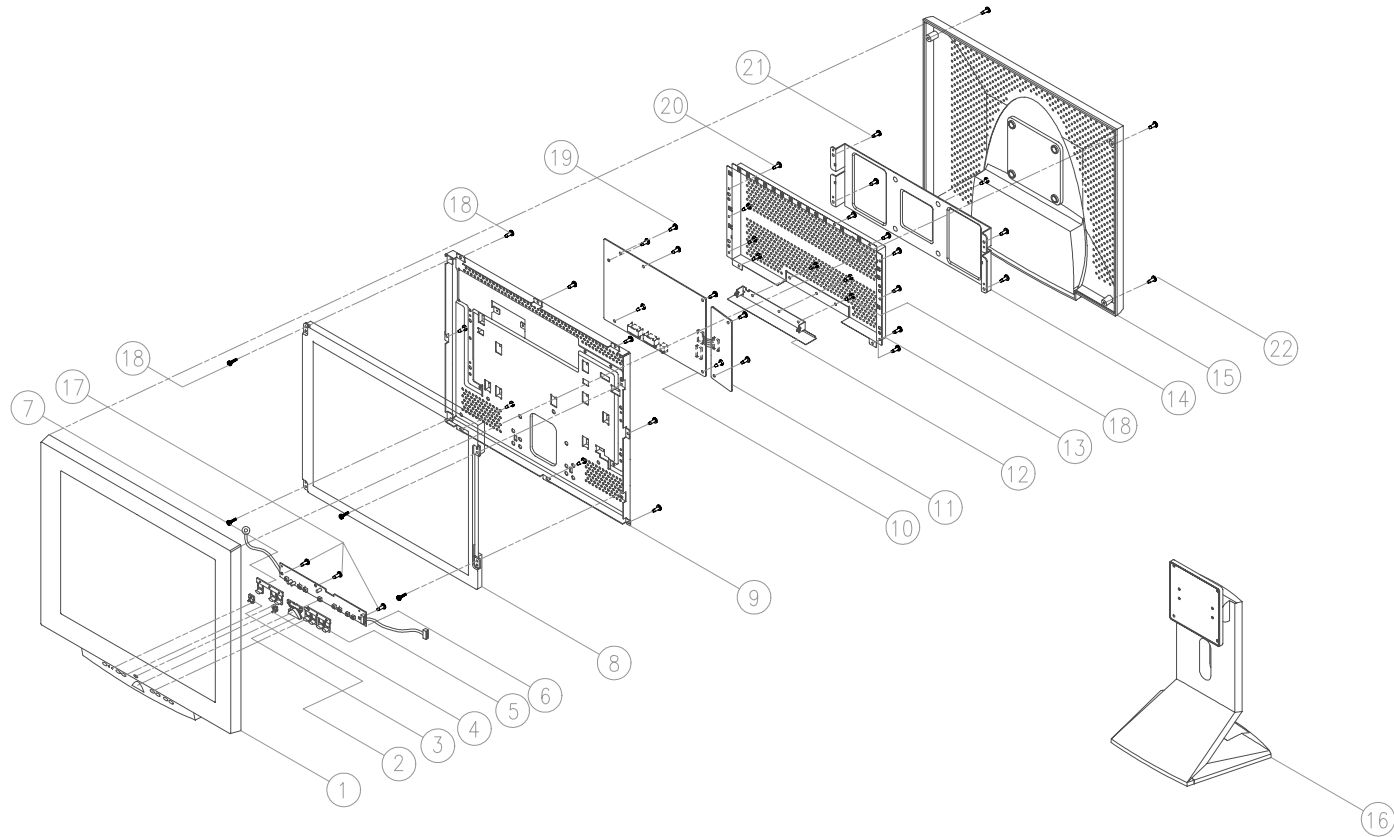
6 Exploded View and Parts List

6-1 SyncMaster 170T



35	BN79-0000A	IMGS. HARNESS		1	
34	BN79-0000A	INVERTER HARNESS		1	
34	BN79-0000A	COVER REAR	ABS HB 17V4	1	
33	BN79-0000A	BRMT MAIN PCB	SECC TO.8	1	
32	BN79-0001A	BRMT D-SUB	SPEE TO.5	1	
31	6003-00011	SCREW		21	
30	BN79-1000H	INVERTER		1	
29	BN64-0002B	MAIN PCB		1	
28	BN79-0000A	BRMT PANEL REAR	SECC TO.2	1	
27	BN79-1000D	PANEL		1	
26	BN79-0000A	SHIELD FRONT	SPEE + GASKET	1	
25	6003-00015	SCREW		4	
24	6003-00029	SCREW		3	
23	BN79-0000A	FUNCTION PCB ASS'Y		1	
22	BN64-0000A	UNDERFUNCTION	ABS HB 17V4	1	
21	BN64-1000A	LENS VIDEO	ACRIL	1	
20	BN79-0000A	COVER FRONT	ABS HB 17V4	1	
19	6300-01099	BRUSHER PLATE		1	
18	BN79-4000A	RUBBER FOOT	ABS HB	4	
17	BN79-0000A	STAND BOTTOM	ABS HB	1	
16	BN79-0000A	BRUSH RING	ACETAL	1	
15	BN60-0000A	SCREW-MOUNTING	BN+L 3.0X10 PLT-ORHAWM	4	
14	6003-00157	SCREW-MOUNTING	TA+ 3.0X10.0 (SPEE)BL	4	
13	6003-00033	SCREW-FASTENING	BN+L 3.0X10.0 (SPEE)BL	10	
12	6003-00022	SCREW-FASTENING	BN+L 3.0X10.0 (SPEE)BL	8	
11	BN67-0000A	HINGE LEFT	SPEC TO T2.5, SPEC TO T2.5	1	
10	BN67-0000A	HINGE RIGHT	SPEC TO T2.5, SPEC TO T2.5	1	
9	BN79-0000A	CAP-HINGE	ABS HB 17V4 (NONE, 1.5)	1	
8	BN79-0000A	BRMT REAR	SPEC TO T2.5	1	
7	BN79-0000A	STAND-BASE	ABS HB 17V4 (NONE, 1.5)	1	
6	BN79-0000A	STAND-REAR	ABS HB 17V4 (NONE, 1.5)	1	
5	BN79-0001A	BRMT-QUICK LEFT	SECC-1 T2.0	1	
4	BN79-0001A	BRMT-QUICK RIGHT	SECC-1 T2.0	1	
3	BN79-0007A	BRMT-STAND BODY	SECC-1 T2.0	1	
2	BN79-0000A	BRMT-BOTTOM	SECC-1 T2.0	1	
1	BN79-0001A	STAND-FRONT	ABS HB 17V4 (NONE, 1.5)	1	
UNIT-CODE	NO.	CODE NO.	DESCRIPTION	SPECIFICATION	QTY

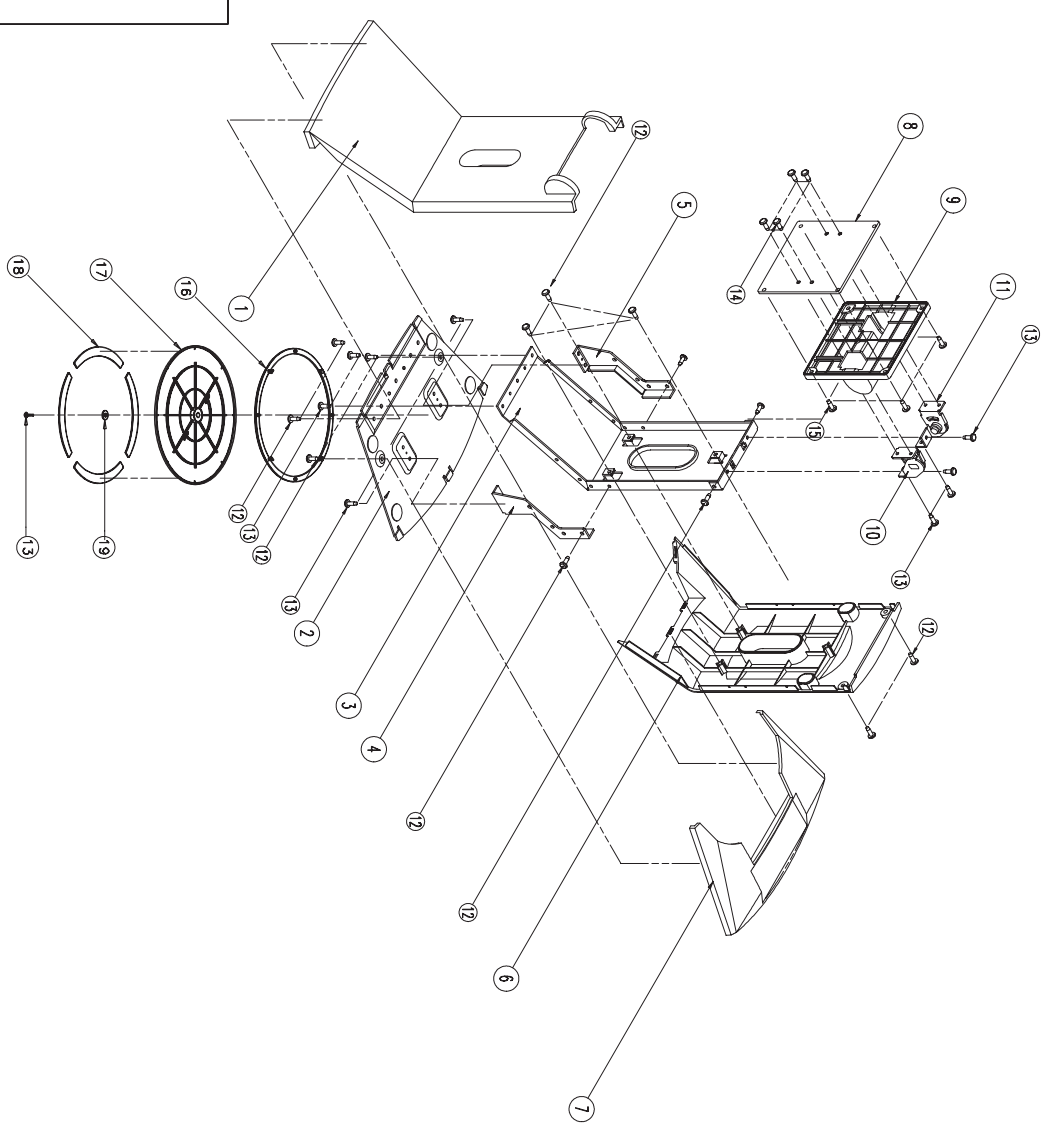
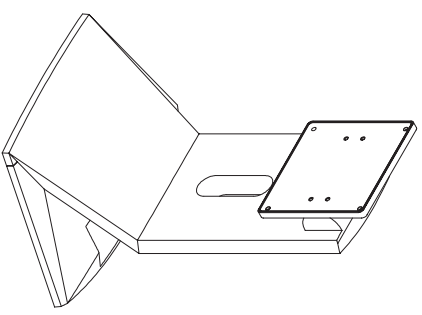
6-2 SyncMaster 180T



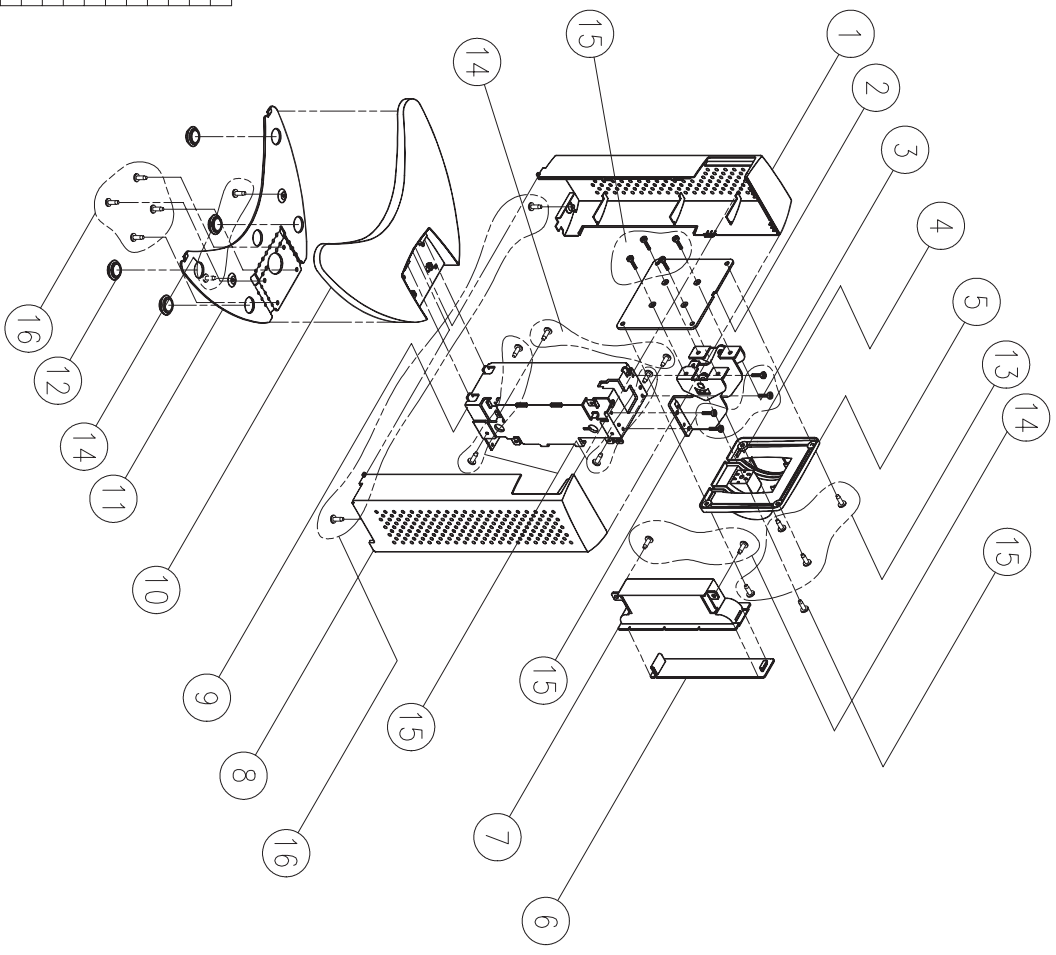
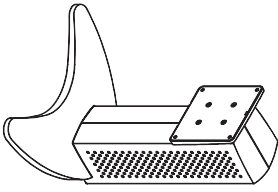
NO	DESCRIPTION	CODE NO	Q'TY	REMARKS
1	COVER-FRONT	BN72-00023A	1	
2	LENS-VIDEO A/B	BN67-10002A	1	
3	KNOB-POWER	BN64-10007A	1	
4	LENS-POWER	BN67-10001A	1	
5	KNOB-CONT & BRIGHT	BN64-10006A	1	
6	SUB-PCB ASS'Y	BN59-00008A	1	
7	KNOB-VIDEO & EXIT	BN64-10005A	1	
8	18.1" TFT_LCD PANEL		1	
9	UNIT-BKMT-PANEL	BN75-00030A	1	
10	MAIN-PCB,BOARD	BN64-00052A	1	
11	INVERTER PCB	BN44-00029A	1	
12	SHIELD-VD-SUB,ANA	BN70-00114A	1	
13	SHIELD-PCB	BN70-10015A	1	
14	BRKT-VESA	BN70-10025A	1	
15	COVER-REAR	BN72-60031A	1	
16	UNIT-STAND	BN75-00018A	1	

* SCREW LIST

NO	DESCRIPTION	SPECIFICATION	Q'TY
17	SCREW-TAPTITE	6003-000103 BH * 8 M4X10 (2)(YL)	3
18	SCREW-TAPTITE	6003-000103 BH * 8 M4X10 (2)(YL)	12
19	SCREW-TAPTITE	6003-000258 BH * 8 M4X8 (2)(YL)	6
20	SCREW-TAPTITE	6003-000008 BH * 5 M4X8 (2)(YL)	18
21	SCREW-TAPTITE	6003-000133 BH * 5 M4X8 (2)(YL)	17
22	SCREW-TAPTITE	6003-000103 BH * 8 M4X10 (2)(YL)	10



UNIT CODE	NO.	CODE NO.	DESCRIPTION	SPECIFICATION	QTY	REMARKS
	19	6031-001095	WASHER PLATE		1	
	18	BNV2-00003A	RUBBER FOOT	MS5 HB IV16 (NONE - 1.5)	4	
	17	BNV2-00066A	STAND BOTTOM	ACETAL	1	
	16	BNV2-00065A	SWIVEL RING		1	
	15	BNM0-00002A	SCREW MACHINE	PH+ - L10.0, P1.0, PH2.0x10.0	4	
	14	6001-001151	SCREW MACHINE	PH+ - M4, L10.0, ZPC(YEL)	4	
	13	6003-000133	SCREW PARTITE	PH+ - S, M4, L18.0, ZPC(YEL)	10	
	12	6003-000122	SCREW PARTITE	PH+ - B, M4, L12.0, ZPC(YEL)	9	
	11	BNM1-00004A	HINGE - LEFT	SPCC-20 T2.5, SUS304 T2.5	1	
	10	BNM1-00003A	HINGE - RIGHT	SPCC-20 T2.5, SUS304 T2.5	1	
	9	BNV2-00004A	CAP-HINGE	MS5 HB IV16 (NONE - 1.5)	1	
	8	BNV2-00009A	BRKT-VESSA	SPCC-20 T2.5	1	
	7	BNV2-00003A	STAND-BASE	MS5 HB IV16 (NONE - 1.5)	1	
	6	BNV2-00002A	STAND-REAR	MS5 HB IV16 (NONE - 1.5)	1	
	5	BNV2-00013A	BRKT-COUDE/LEFT	SPCC-1 T2.0	1	
	4	BNV2-00014A	BRKT-COUDE/RIGHT	SPCC-1 T2.0	1	
	3	BNV2-00007A	BRKT-STAND/ROOY	SPCC-1 T2.0	1	
	2	BNV2-00008A	BRKT-BOTTOM	SPCC-1 T2.0	1	
	1	BNV2-00001A	STAND-FRONT	MS5 HB IV16 (NONE - 1.5)	1	



16	SCREEN-LEFT/ITE	6003-000129	BI + S/M410 ZPC(TEL)	6
15	SCREEN-LEFT/ITE	6003-000133	BI + S/M418 ZPC(TEL)	13
14	SCREEN-LEFT/ITE	6003-000122	BI + B/M412 ZPC(TEL)	6
13	SCREEN-MACHINE	BM69-00020A	BI + M410 ZPC(TEL)	6
12	RUBBER FOOT	BM61-40001A	MCOPRNE R5H8, 80AV	4
11	BKRT-STAND BASE	BN70-10029A	SPCC-2D 12.0	1
10	STAND BASE	BN72-60035A	ABS-PC SV, 1V28	1
9	BKRT-TOWER	BN70-10030A	SECC 12.0	1
8	COVER TOWER RIGHT	BN72-60034A	ABS-PC SV, PU03	1
7	CASE-USB	BN72-60037A	ABS-PC SV, PU03	1
6	COVER-USB	BN72-60036A	ABS-PC SV, PU03	1
5	CAP HINGE	BN72-60032A	ABS-PC SV, 1V28	1
4	ASS'Y HINGE RIGHT	BM61-80001A	SPCC-2D 12.0	1
3	ASS'Y HINGE LEFT	BM61-80002A	SPCC-2D 12.0	1
2	PLATE-VESA	BN70-10031A	SECC 12.0	1
1	COVER TOWER LEFT	BN72-60033A	ABS-PC SV, PU03	1
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY

UNIT COMP-NO. (REMARKS)

UNIT PART LIST

7 Electrical Parts List

7-1 Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
BD101	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
BD102	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
BD103	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
BD104	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
BD105	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
BD204	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
C100	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C101	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C102	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C103	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C104	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C105	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C106	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C107	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C108	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C113	2409-001004	C-ORGANIC	"100uF,20%,16V,LL,BK,8x10.5,3"	
C114	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C115	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C116	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C117	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C118	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C119	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C120	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C121	2409-001029	C-ORGANIC	"120uF,20%,6.3V,WT,TP,10.3x10.3"	
C122	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C123	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C124	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C125	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C126	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C127	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C128	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C129	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C130	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C131	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C132	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C133	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C134	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C150	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C152	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C201	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C202	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C203	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C204	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C205	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C206	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	

7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C207	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C208	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C209	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C210	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C211	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C212	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C213	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C214	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C216	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C217	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C218	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C220	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C221	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C222	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C223	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C224	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C225	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C228	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C230	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
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	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C235	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C236	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C237	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C238	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C239	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C240	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C241	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C242	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C243	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C244	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C245	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C246	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C247	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
C251	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C255	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C256	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C257	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C300	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C301	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C302	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
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"	

Loc. No.	Code No.	Description	Specification	Remarks
C305	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C306	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C307	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C308	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
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	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
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	2203-000384	"C-CERAMIC,CHIP"	"15pF,5%,50V,NPO,TP,1608,-"	
C318	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C319	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C320	2203-000236	"C-CERAMIC,CHIP"	"100pF,5%,50V,NPO,TP,1608,-"	
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	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C324	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C400	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C401	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C402	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C403	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C404	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C405	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C406	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C407	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C408	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C409	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C410	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C411	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C412	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C413	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C414	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C415	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C416	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C417	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C418	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C419	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C420	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C421	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C422	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C423	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C424	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C425	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C426	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	

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Loc. No.	Code No.	Description	Specification	Remarks
C427	2203-000280	"C-AL,SMD"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C428	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C429	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C430	2203-000280	"C-AL,SMD"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C431	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C432	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C433	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C434	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C435	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C436	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C437	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C438	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C439	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0,5pF,50V,NPO,TP,1608,-"	
C440	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C441	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C442	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C443	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C444	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C445	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C446	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C447	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C448	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C449	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C450	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C451	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C452	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C453	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C454	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.5"	
C455	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C456	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C500	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C501	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C502	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C503	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C504	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C505	2203-000626	"C-CERAMIC,CHIP"	"22pF,5%,50V,NPO,TP,1608,-"	
C506	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C507	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C508	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C509	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C510	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C511	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.5"	
C512	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C516	2203-000491	"C-CERAMIC,CHIP"	"2.2nF,10%,50V,X7R,TP,1608,-"	
C602	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C603	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C604	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	

Loc. No.	Code No.	Description	Specification	Remarks
C605	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C606	2203-000903	"C-CERAMIC,CHIP"	"4.7pF,0.25pF,50V,NPO,TP,1608,-"	
C607	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C608	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C609	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C610	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C611	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C612	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C613	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C614	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C615	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C616	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C617	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C618	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C619	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C620	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C621	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C622	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C623	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C624	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C625	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C626	2409-001029	C-ORGANIC	"120uF,20%,6.3V,WT,TP,10.3x10.3"	
C627	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C628	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5."	
C629	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C630	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C631	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C632	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C633	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608,-"	
C634	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
C635	2203-005005	"C-CERAMIC,CHIP"	"100nF,15%,16V,W5R,TP,1608,1.6m"	
CA300	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA301	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA304	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA305	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA306	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA307	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA308	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA309	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA310	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA311	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA401	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA402	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA403	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA404	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA405	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA406	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	

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Loc. No.	Code No.	Description	Specification	Remarks
CA407	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA408	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA409	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA410	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA411	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA412	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA413	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA414	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA415	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA416	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA417	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA418	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA419	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA420	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA421	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA422	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA423	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CA424	2503-001018	C-NETWORK	"15PFX4,10%,50V,-"	
CN101	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	
CN102	3711-002050	CONNECTOR-HEADER	"BOX,10P,1R,1.25mm,SMD-A,SN"	
CN103	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	
CN201	3701-001129	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN601	3711-004130	CONNECTOR-HEADER	"BOX,31P,2R,0.625mm,SMD-A,AUF"	
CN852	3701-001173	CONNECTOR-DSUB	"24P,3R,FEMALE,ANGLE,AUF"	
CN853	3711-003942	CONNECTOR-HEADER	"BOX,2P,1R,2mm,STRAIGHT,SN"	
D101	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D102	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D103	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D104	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D105	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D106	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D107	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D108	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D109	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D110	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D112	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D113	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D115	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D116	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D117	0402-001098	DIODE-RECTIFIER	"SK34,40V,3.0A,SMC,TP"	
D118	0402-001098	DIODE-RECTIFIER	"SK34,40V,3.0A,SMC,TP"	
D201	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D202	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D203	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D207	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D208	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D212	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	

Loc. No.	Code No.	Description	Specification	Remarks
D213	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D215	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D216	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D501	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D502	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D503	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D504	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D505	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
D506	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
FT100	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT101	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT102	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT103	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT104	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT105	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT106	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT108	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"	
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"	
FT401	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT402	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT403	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT404	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT406	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT407	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT408	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT410	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT501	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT502	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT503	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT601	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT602	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT603	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT604	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT605	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT606	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT607	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT608	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT842	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	
FT843	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC101	1006-001131	IC-RECEIVER	"151,QFP,100P,-,TR,PLASTIC,-0"	
IC102	1203-001447	IC-POSI.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC103	1204-001551	IC-VIDEO SYSTEM	"GS1881,SOIC,8P,150MIL,PLASTIC,"	
IC105	1203-001448	IC-POSI.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,4.750"	
IC203	1103-000129	IC-EEPROM	"24C02,256*8BIT,SOP,8P,150MIL,1"	
IC207	0801-002171	IC-CMOS LOGIC	"74LCX125,BUS BUFFER,SOP,14P,15"	

7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
IC244	0801-002393	IC-CMOS LOGIC	"74VHC244,BUS BUFFER,TSSOP,20P,"	
IC300	1002-001204	IC-A/D CONVERTER	"AD9884AKS-140,8BIT,QFP,128P,"	
IC401	1105-001165	IC-DRAM	"416S1020B,2x512Kx16BIT,SOP,50P"	
IC402	1105-001165	IC-DRAM	"416S1020B,2x512Kx16BIT,SOP,50P"	
IC403	1105-001165	IC-DRAM	"416S1020B,2x512Kx16BIT,SOP,50P"	
IC404	BN09-00001A	IC-OSD PROCESSOR	"LCD,MTV121P-31,16P,-"	
IC405	0801-002237	IC-CMOS LOGIC	"74HC04,INVERTER GATE,SOP,5P,49"	
IC406	1003-001243	IC-LCD CONTROLLER	"MX88L282FC,QFP,256P,1102MIL,DU"	
IC502	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL"	
IC503	1103-001163	IC-EEPROM	"24LC041,512X8BIT,SOP,8P,150MIL"	
IC504	1203-001109	IC-VOL. DETECTOR	"7045,SOT-89,3P,-,PLASTIC,4.3/4"	
IC601	1006-001130	IC-LINE TRANSCEIVER	"150,QFP,100P,-,TR,PLASTIC,-0"	
IC602	0903-001194	IC-MICROCONTROLLER	"3P863,8BITBIT,SDIP,42P,"	
IC603	1203-001801	IC-POSIFIXED REG.	"3300,SOT-23,6P,70MIL,PLASTIC,3"	
L100	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L101	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L102	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L103	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L104	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L105	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L106	BN27-20001C	COIL-SMD	"105UH,20%,SMD,TAPING,-,-"	
L107	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L109	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L110	BN27-20001A	COIL-CHOKE	"53.0UH,20%,DR10*5,TRAY,-,-"	
L111	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L112	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L113	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L114	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L115	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L116	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L117	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L118	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L119	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L120	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L121	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L122	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L123	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L124	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L125	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L126	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L127	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L200	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L201	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L202	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L207	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L401	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L402	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	

Loc. No.	Code No.	Description	Specification	Remarks
L601	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L602	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L603	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L604	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L605	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
Q101	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075"	
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"	
Q105	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q502	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q503	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q504	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q505	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SOT-23,TP,1"	
Q506	0505-001170	FET-SILICON	"SI9933ADY-T1,P,-20V,3.4A,0.075"	
R100	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R101	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R102	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R103	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R105	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R106	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R107	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R108	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R109	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R110	2007-000125	R-CHIP	"3.9Kohm,5%,1/16W,DA,TP,1608"	
R111	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R200	2007-000072	R-CHIP	"47ohm,5%,1/16W,DA,TP,1608"	
R201	2007-000072	R-CHIP	"47ohm,5%,1/16W,DA,TP,1608"	
R202	2007-000072	R-CHIP	"47ohm,5%,1/16W,DA,TP,1608"	
R203	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R204	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R205	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R206	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R207	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R208	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R209	2007-000239	R-CHIP	"1.5Kohm,1%,1/16W,DA,TP,1608"	
R210	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R211	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R212	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R213	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R214	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R215	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R216	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R217	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R218	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R219	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R220	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R221	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	

7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R222	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R223	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R224	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R225	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R228	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R229	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R231	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R232	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R233	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R234	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R235	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R236	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R237	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R238	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R239	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R240	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R306	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R307	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R309	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R313	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R314	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R318	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
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	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R324	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R325	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R327	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R328	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R329	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R330	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R331	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R332	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R333	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R334	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R335	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R336	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R337	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R338	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R339	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R340	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R341	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R342	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R400	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R401	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R402	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R403	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R404	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R405	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R406	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R407	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R408	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R409	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R410	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R411	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R412	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R413	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R414	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R415	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R416	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R417	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R418	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R419	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R420	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R421	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R422	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R423	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R500	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R501	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R502	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R503	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R504	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R505	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R506	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R507	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R508	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R509	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R510	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R511	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R512	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R513	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R514	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R515	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R516	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R517	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R518	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R519	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R520	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R521	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R522	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R523	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	

7-2 Sub PCB Parts




Loc. No.	Code No.	Description	Specification	Remarks
R524	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R525	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R526	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R527	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R528	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R529	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R530	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R531	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R532	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R533	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R534	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R535	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R536	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R537	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R538	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R539	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R540	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R541	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R542	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R543	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R544	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R545	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R546	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R547	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R548	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
R549	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R550	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R551	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R552	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R553	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R554	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R601	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R602	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R603	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R604	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R605	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R606	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R607	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R608	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R609	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R612	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R613	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R614	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R615	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R616	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R617	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R618	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	

Loc. No.	Code No.	Description	Specification	Remarks
R619	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R620	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R621	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R622	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R623	2007-000033	R-CHIP	"0ohm,5%,1/8W,DA,TP,3216"	
R624	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R625	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
RA101	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA102	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA103	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA104	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA105	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA106	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA107	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA108	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA109	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA110	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA111	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA112	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA113	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
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"	
RA307	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA308	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA309	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA310	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA311	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA312	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA401	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA402	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA403	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA404	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA405	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA406	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA407	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA408	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA409	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA410	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA411	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA412	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA413	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA414	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA415	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	

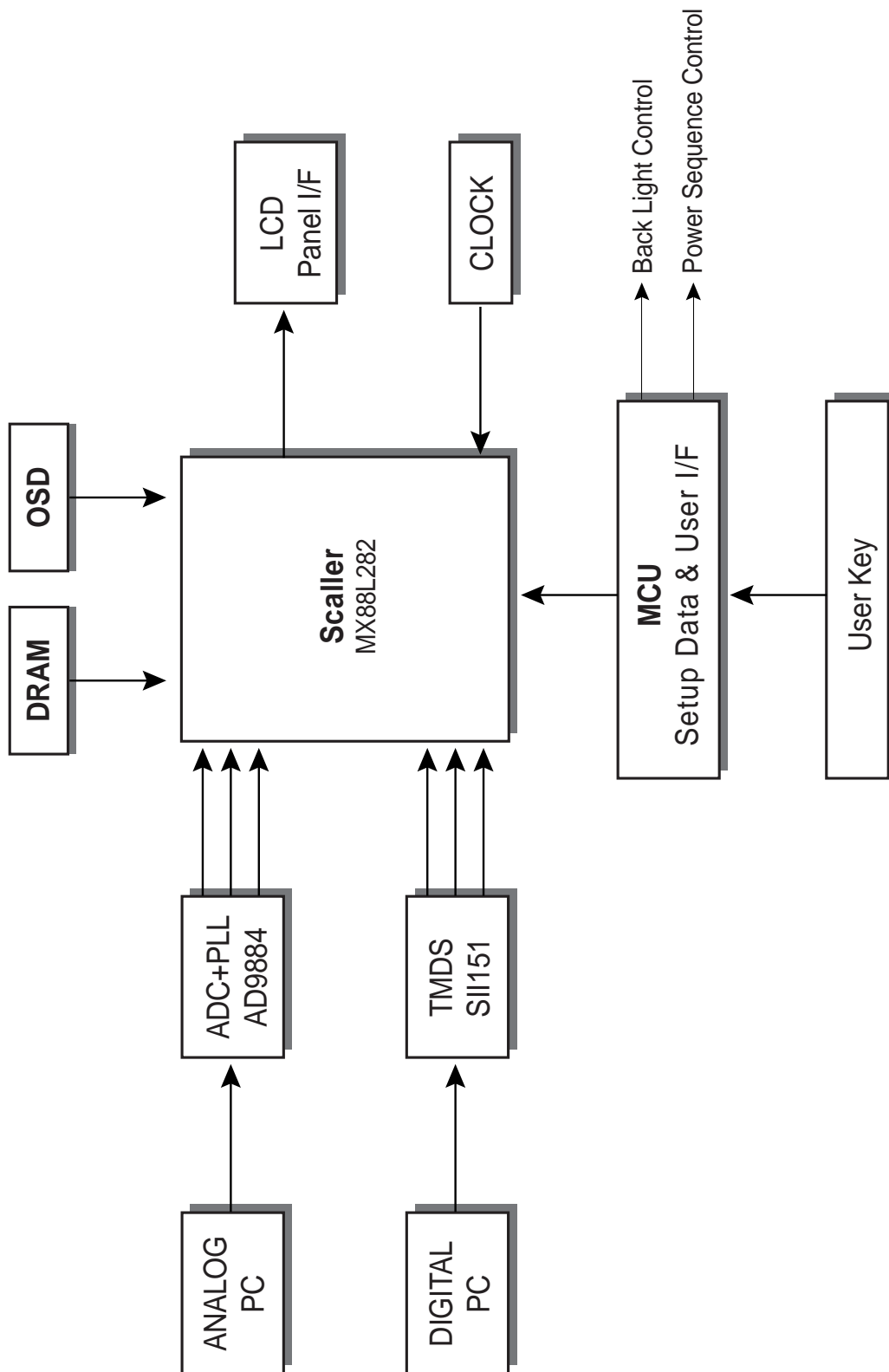
7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
RA416	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA417	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
RA418	2011-000002	R-NETWORK	"22ohm,5%,1/16W,L,CHIP,8P,ST"	
SW501	3711-001465	CONNECTOR-HEADER	"NOWALL,3P,1R,2.54mm,STRAIGHT,A"	
X401	2801-003667	CRYSTAL-SMD	"14.3182MHZ,50PPM,28-AAN,16,500"	
X501	2801-003773	CRYSTAL-SMD	"12MHz,30ppm,28-AAN,20pF,50ohm,"	
ZD103	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

Others

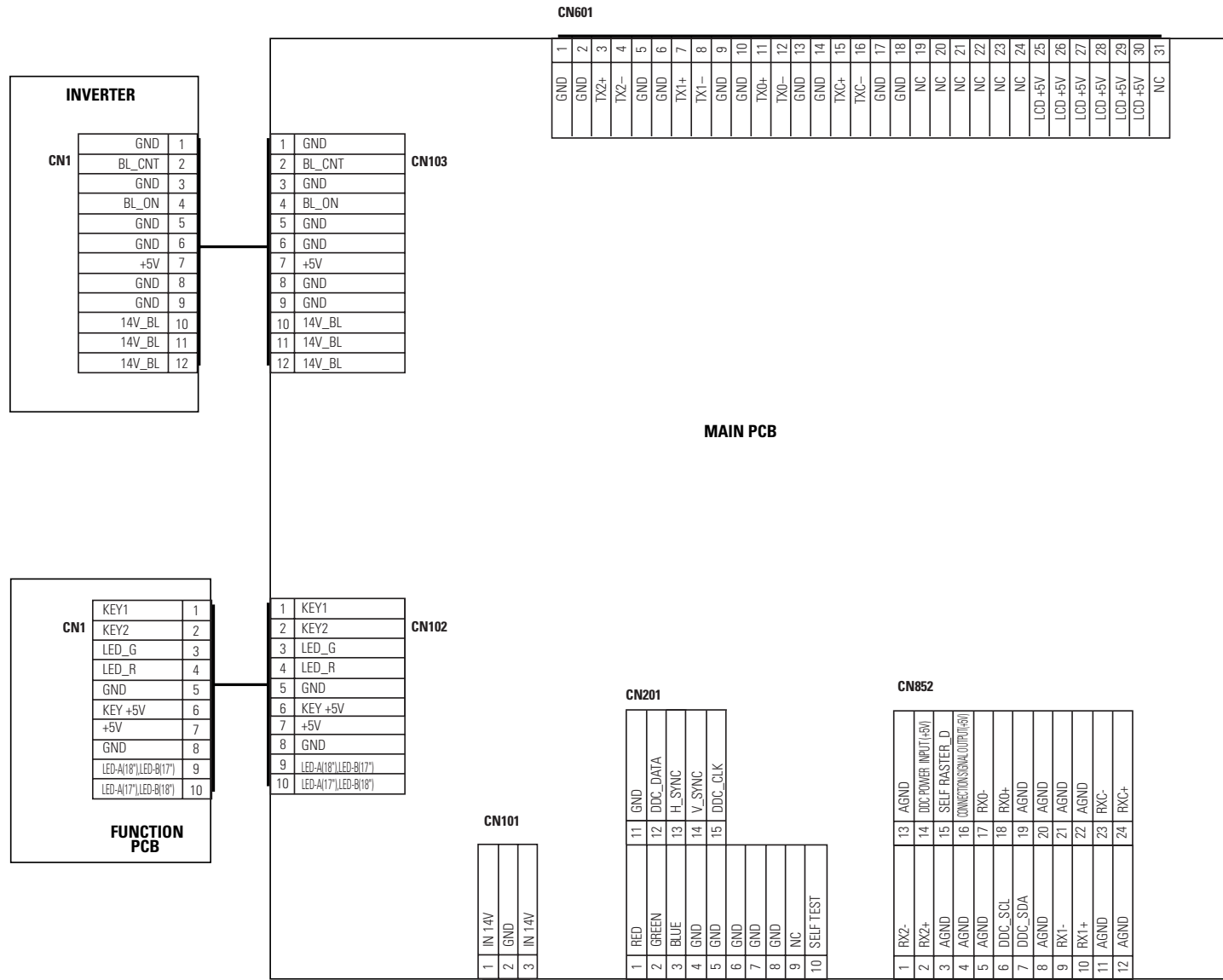
Loc. No.	Code No.	Description	Specification	Remarks
LCD (17")	BN07-10001D	LCD	LT170X2-131,404*322.5*25,IPS	
PROCESS-PBA UNIT(170T)	BN94-00046A	ASSY,PCB	GR17MS-SXF1/0101	
S/CABLE	BN39-20001E	CBF-SIGNAL	DET, 1830MM, 15P/15P, IVORY, UL29	
P/CORD	BH39-10339Z	CBF-POWER/CORD	DET,RW3,250V/10A,BLK,18	CHINA
	BH39-10005A	CBF-POWER/CORD	CAP,1200MM,250V/10A,BLK,18	UK,THAILAND
	BH39-10007A	CBF-POWER/CORD	WALL,1830MM, 250V/6A, IVY	SEG, SESA,SEF
	BH39-10339E	CBF-POWER/CORD	DET,SVT,125V 7A/10A, IVY	SEA,SESA
	BH39-10006A	CBF-POWER/CORD	WALL,1830MM,250V/10A, IVY	SEAU
ADAPTER	BN44-00024A			
INVENTER	BN44-00029A			 
LCD (18")	BN07-10001E	LCD	LT181E2-131,410*335*25,IPS	
PROCESS-PBA UNIT(180T)	BN94-00052A	ASSY,PCB	GR18MS-8XF1/0000	
S/CABLE (DVI CABLE : OPTION)	BN39-00072A	CBF-SIGNAL	DET, 2000MM, 24P/24P, IVORY, DVI	

8 Block Diagram



Memo

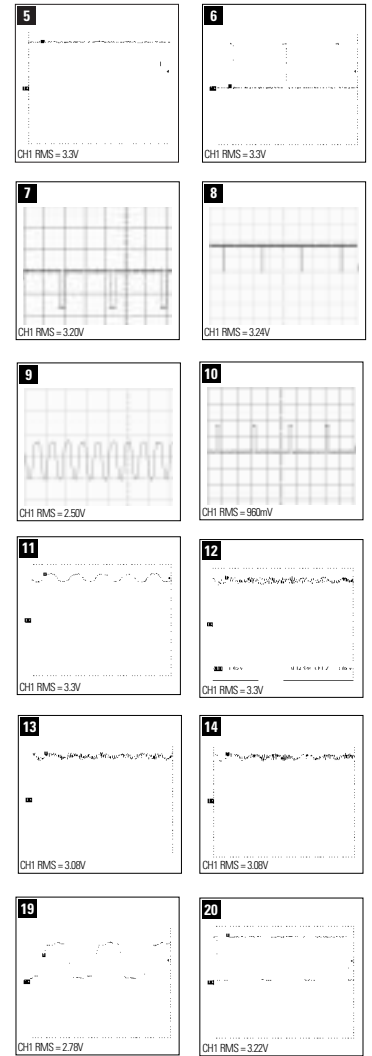
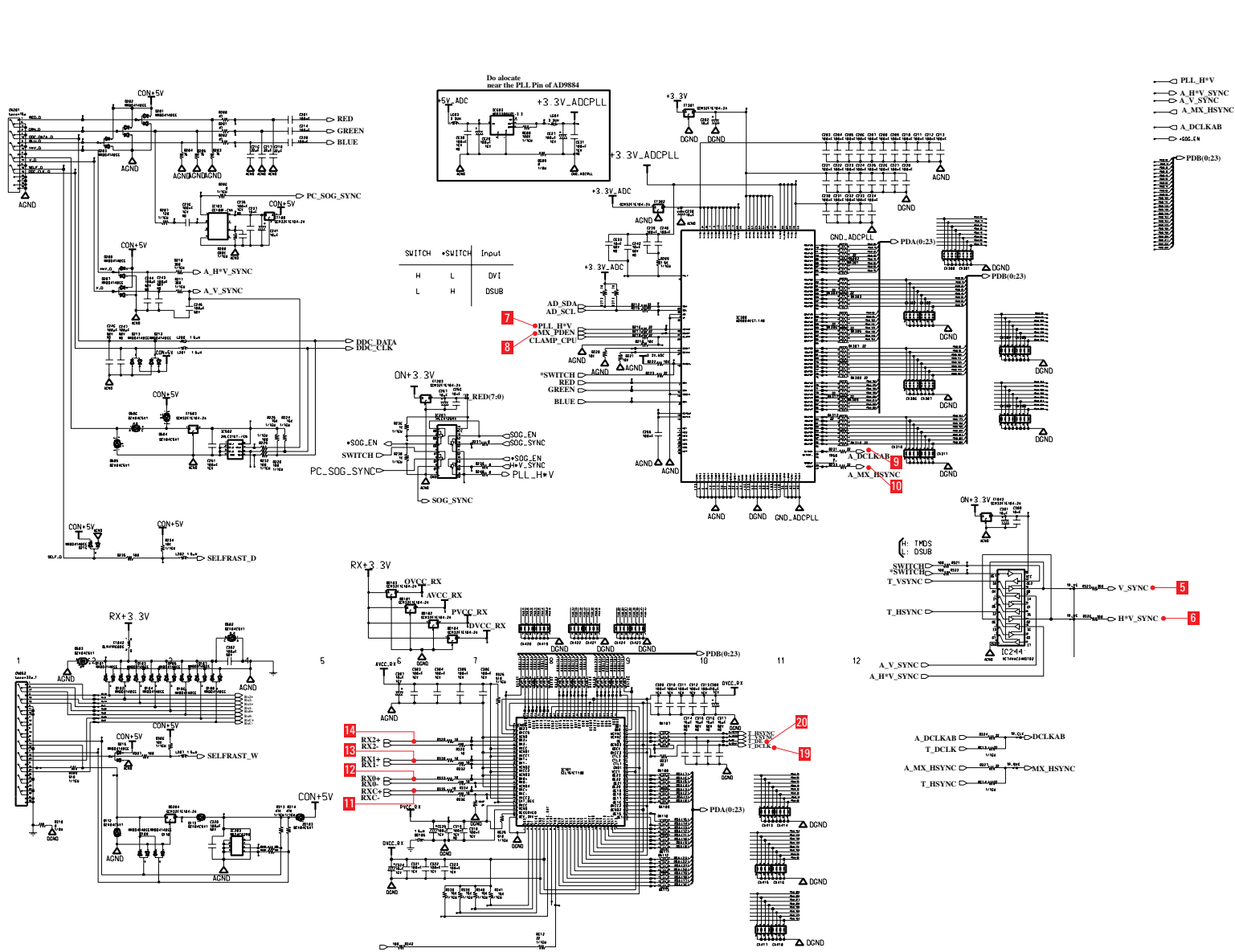
9 Wiring Diagram



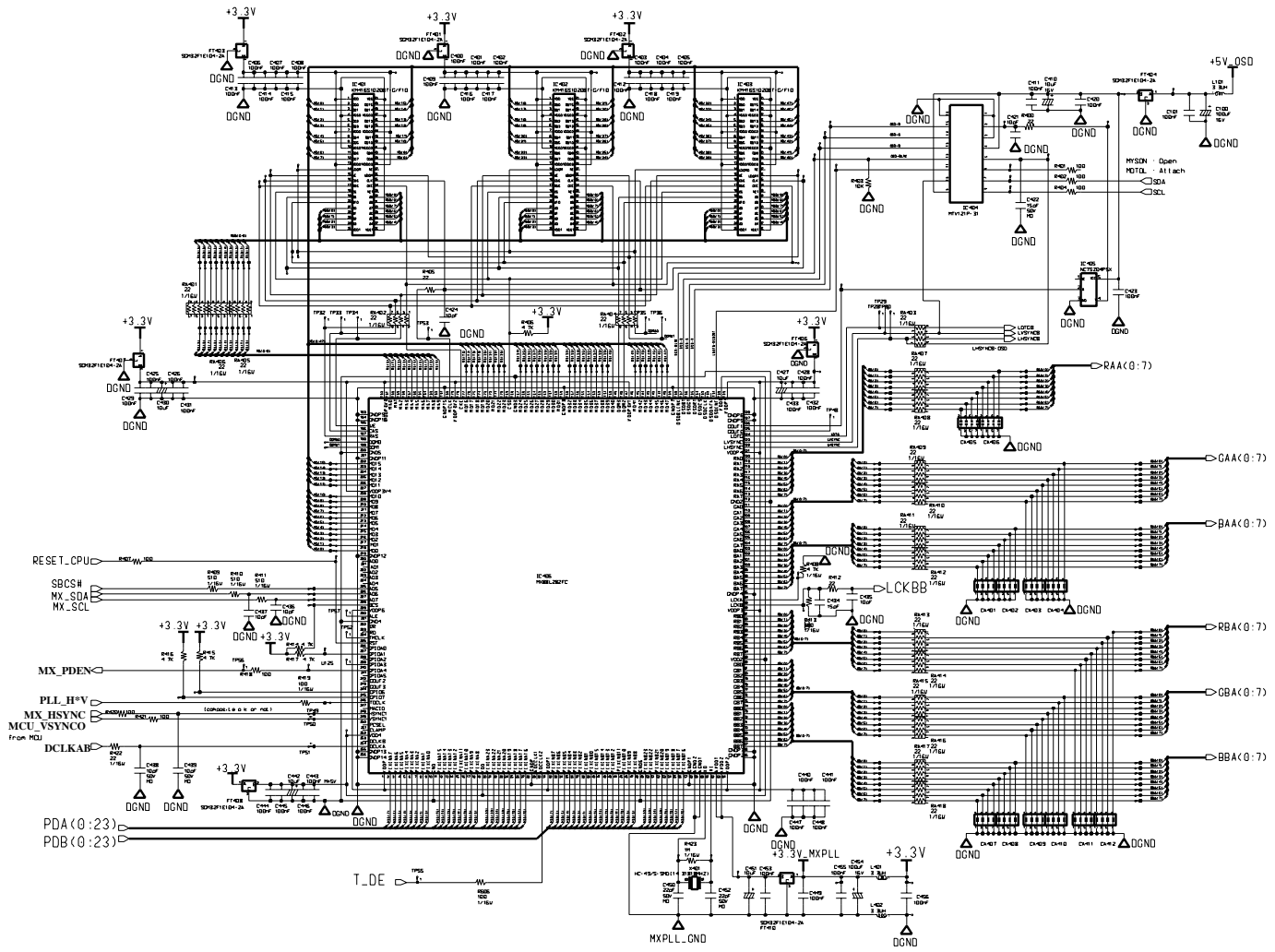
Memo

10 Schematic Diagrams

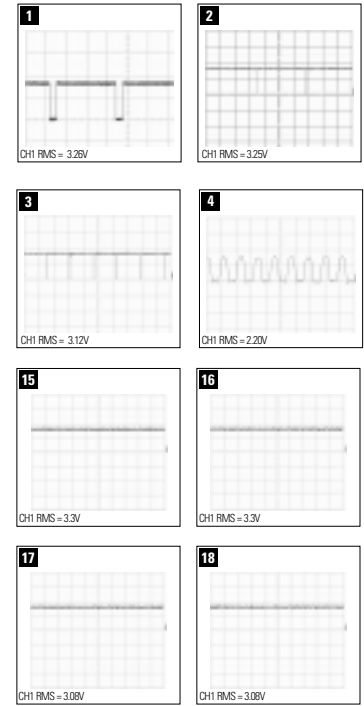
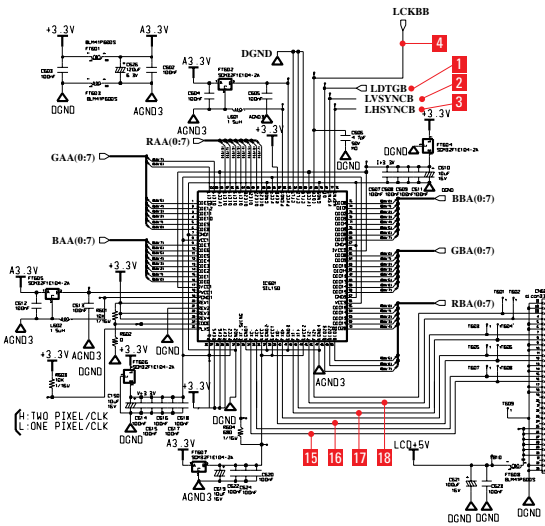
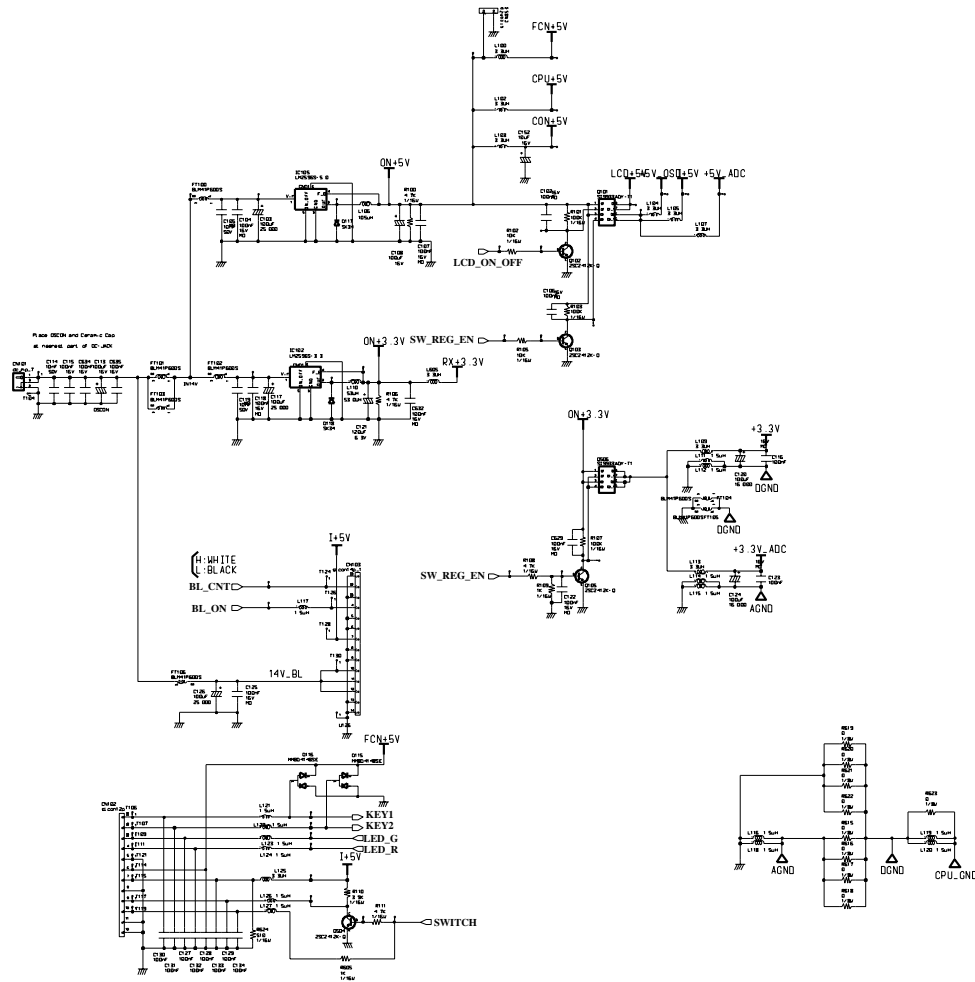
10-1 15P D-SUB & DVI Input Part Schematic Diagram



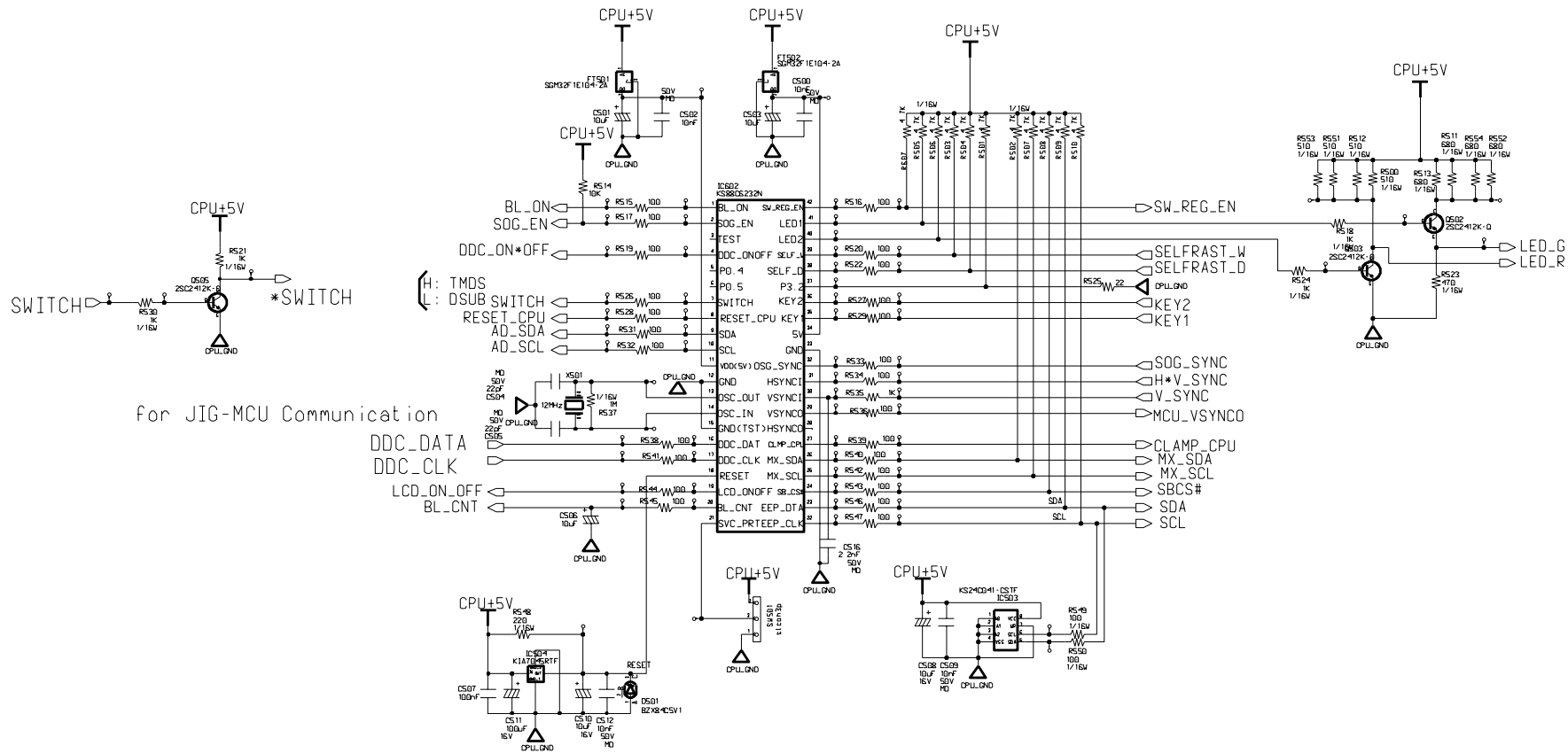
10-2 Scaler Part Schematic Diagram



10-3 Power & LCD I/F Part Schematic Diagram



10-4 MCU Part Schematic Diagram



for JIG-MCU Communication

DDC_DATA
DDC_CLK
LCD_ON_OFF
BL_CNT