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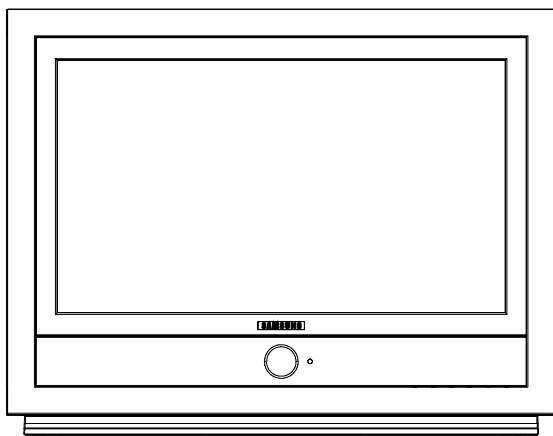
TFT-LCD TV/MONITOR

Chassis
PD22SO

Model
LS22A13W

SERVICE Manual

TFT-LCD TV/MONITOR



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4 Alignments and Adjustments

4-1 General Alignment Instruction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

4-2 Factory Mode Adjustments

4-2-1 Entering Factory Mode

- To enter "Service Mode" Press the remote - control keys in this sequence :

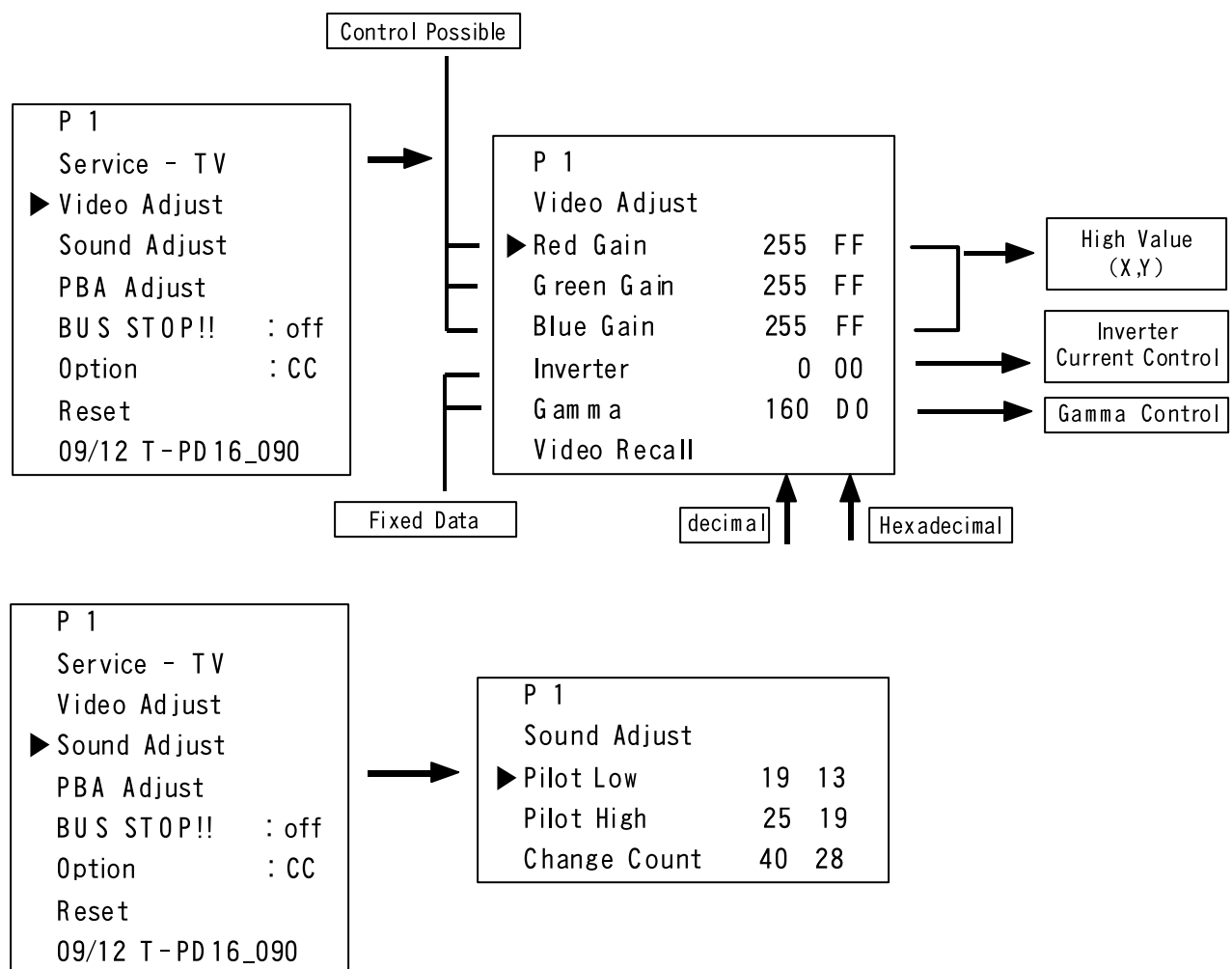
- If you do not have Factory remote - control

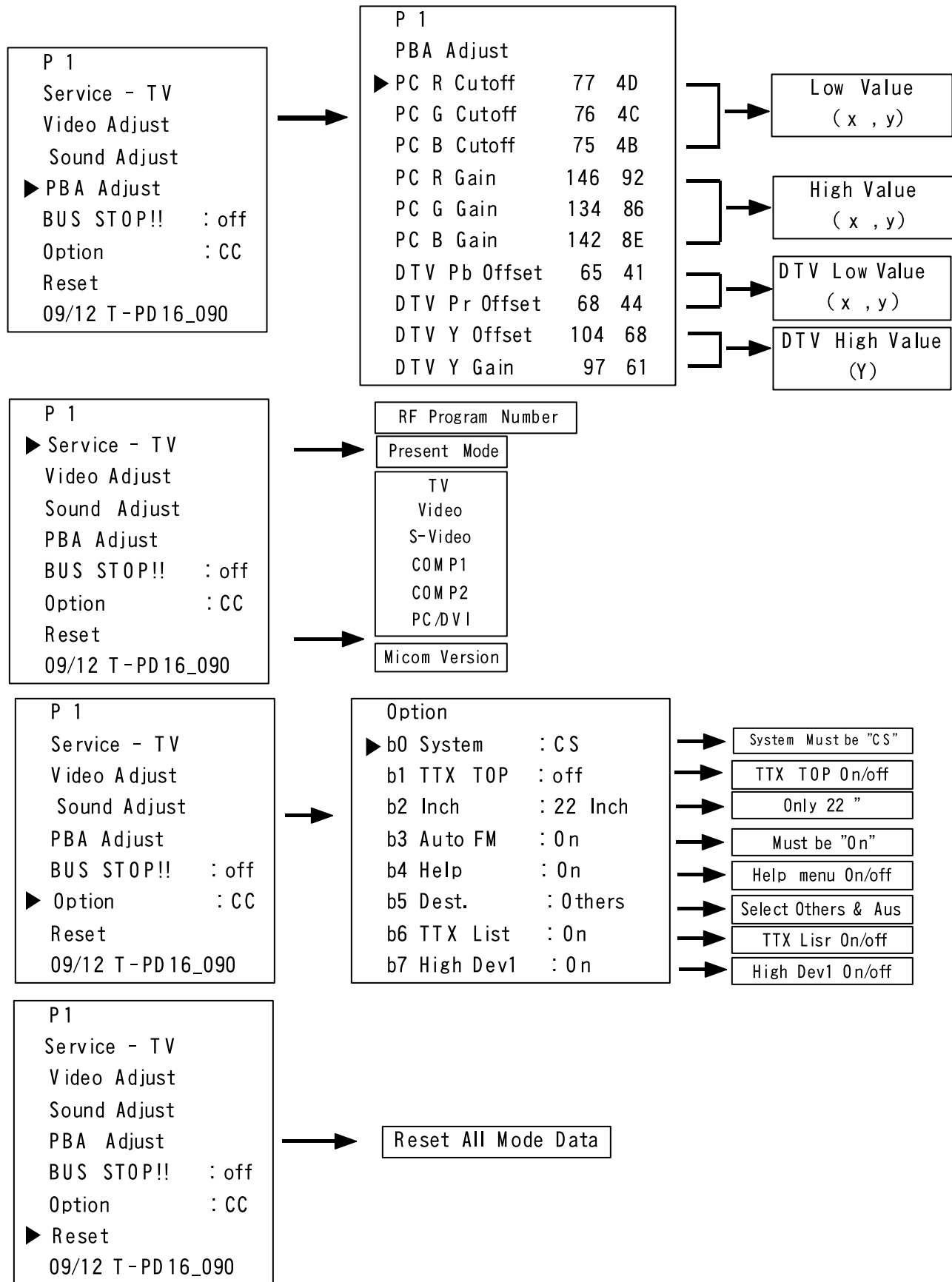


- If you have Factory remote - control



4-2-2 Factory Mode Tree

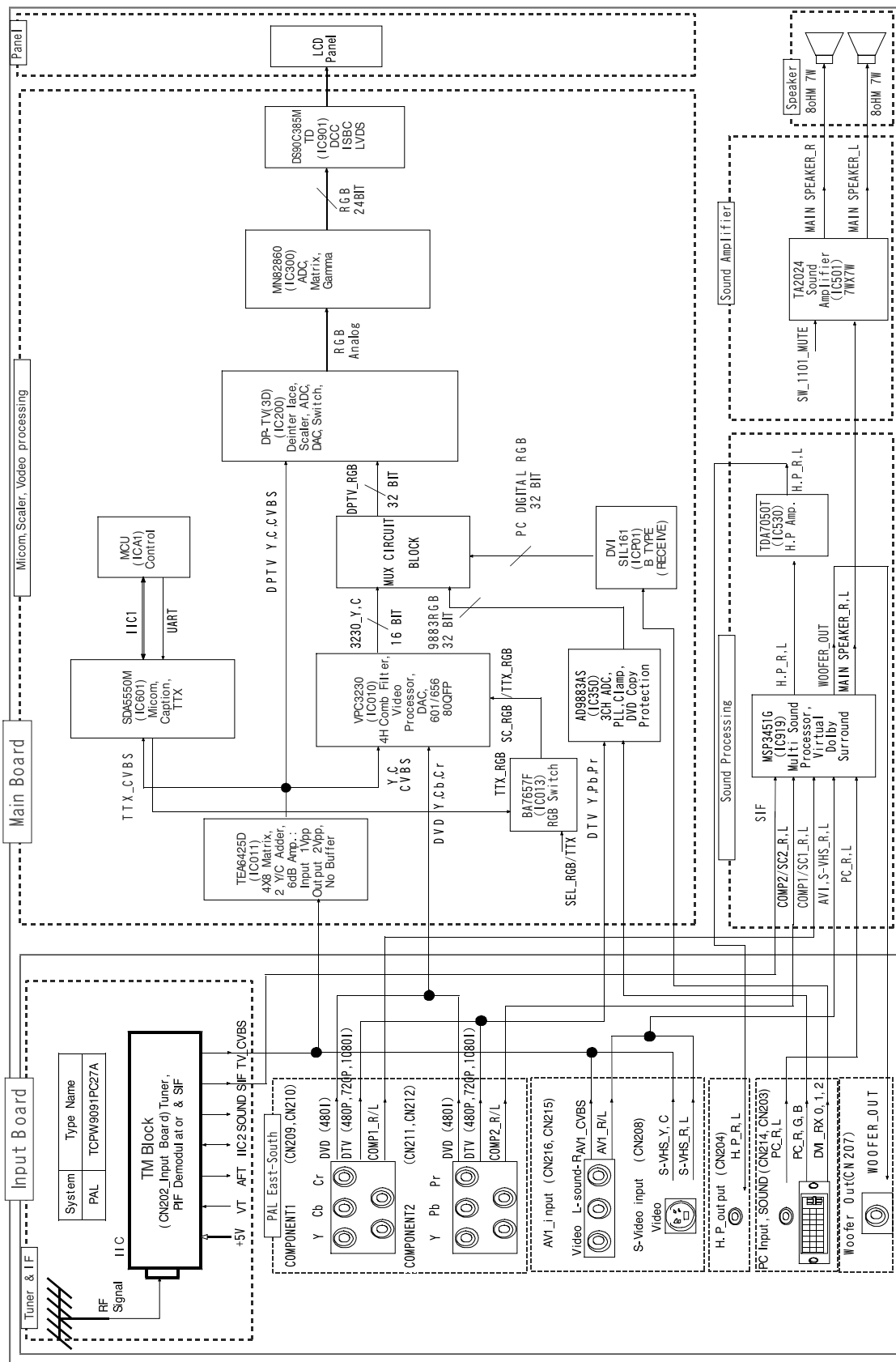




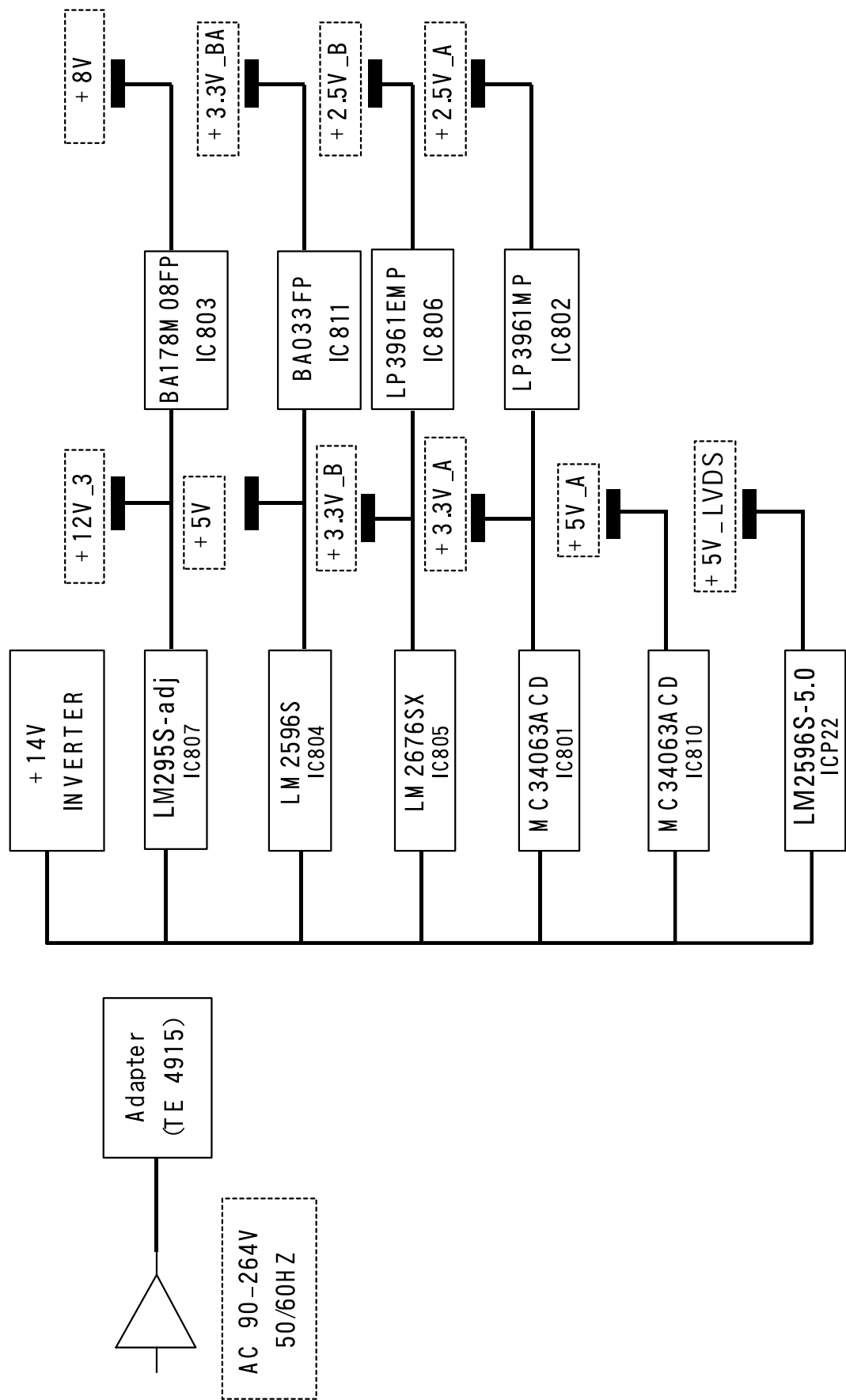
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8 Block Diagram

8-1 Main



8-2 Power



3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LS22A13W monitor.

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

3-1 Disassembly

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



1. Remove 4 screws of the cover rear.



2. Remove the stand from LCD-TV.



3. Remove 1 screw of the cover rear.



4. Insert a screw driver into upper groove of stand fitting hole and lift up right & left side respectively.



5. Pull the cover rear

3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

7 Electrical Parts List

7-1 Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
-	BN94-00399A	ASSY PCB MAIN	PD22SO	SNA
CIS	0202-001222	SOLDER-WIRE FLUX	RS-107,RS60-1.2AA,D1.2,SN60/PB40,-	SNA
CIS	3809-001406	IC-MICROCONTROLLER	3P863,88H,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,40to+85C,1040BYTE,48KBYTE	
CIS	BN63-00413A	SOCKET-IC	42P,DIP,SN,1.778mm	
CN103	3711-004228	CONNECTOR-HEADER	BOX,6P,1R,2MM,ANGLE,SN	
CN501	3711-004270	CONNECTOR-HEADER	BOX,2P,1R,2MM,ANGLE,SN	SNA
CN502	3711-004386	CONNECTOR-HEADER	BOX,3P,1R,2mm,ANGLE,SN	SNA
ICA1	0903-001194	CABLE-FLAT	30V,80C,65MM,30P,1MM,UL2896	
ICA1 SOCK	3704-001071	GASKET	MB15KO,CONDUCTIVE FABRIC,5MM,8MM,8MM,GRAY,71TSMK 8-5-8-13-D,71TSMK 8-5-8-13-D	SNA
-	BN97-00164K	ASSY MICOM	PD22SO,PD22SO-WXA2/8080	
CIS	BN82-00075Q	A/S MICOM	PD22SO	
IC620	1102-001129	IC-EPROM	M27W401,512KX8BIT,PLCC,32P,11.35X13.89MM,80NS,3.3V,10%,PLASTIC,-40TO+85C-,CMOS,	
-	BN97-00180A	ASSY SMD	PD22SO	SNA
C001	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C002	2203-001140	C-CERAMIC,CHIP	68nF,10%,16V,X7R,TP,1608,-	
C003	2203-001140	C-CERAMIC,CHIP	68nF,10%,16V,X7R,TP,1608,-	
C004	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C005	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C006	2203-001140	C-CERAMIC,CHIP	68nF,10%,16V,X7R,TP,1608,-	
C007	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C008	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C009	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C010	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C011	2203-000903	C-CERAMIC,CHIP	0.0047nF,0.25pF,50V,NP0,TP,1608	
C012	2203-000903	C-CERAMIC,CHIP	0.0047nF,0.25pF,50V,NP0,TP,1608	
C013	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C014	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C015	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C016	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C017	2203-001656	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,1608	
C018	2203-006036	C-CERAMIC,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	
C019	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C020	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C021	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C022	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C023	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C024	2203-001656	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,1608	
C025	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C026	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C027	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C028	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C029	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C030	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C031	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C032	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C033	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C034	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C035	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C036	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C037	2203-001656	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,1608	
C038	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C039	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C040	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	
C041	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C042	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C043	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C044	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	

Loc. No.	Code No.	Description	Specification	Remarks
C045	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C046	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C047	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C048	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C049	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C050	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C051	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C052	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	
C066	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C067	2203-006036	C-CERAMIC,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	
C068	2203-006036	C-CERAMIC,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	
C069	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C070	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C086	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	
C087	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	
C088	2203-000783	C-CERAMIC,CHIP	0.33nF,5%,50V,NP0,TP,1608	
C089	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	
C091	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C092	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C093	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C101	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C102	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C103	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C104	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C105	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C106	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C107	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C112	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C113	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C114	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C115	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C116	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C117	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C118	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C119	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C120	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C121	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C122	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C123	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C124	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C125	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C200	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C201	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C202	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C203	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C204	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C205	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C206	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C207	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C208	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C209	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C211	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C212	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C213	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C214	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C215	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C216	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C217	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C218	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C219	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C221	2203-006017	C-CERAMIC,CHIP	0.56NF,5%,50V,COG,TP,1608	
C222	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C223	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C224	2203-006017	C-CERAMIC,CHIP	0.56nF,5%,50V,COG,TP,1608	
C225	2203-000552	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,1608	
C226	2203-000552	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,1608	
C227	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C228	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C229	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C231	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C232	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C234	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C235	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C236	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C237	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C238	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C239	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C241	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C242	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C244	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C245	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C246	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C247	2402-000168	C-AL,SMD	100uF,20%,16V,GP,TP,8.3x8.3x6.3mm	
C248	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C249	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C250	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C251	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C252	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C254	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C257	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C258	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C259	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C261	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C264	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C267	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C268	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C269	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C271	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C274	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C275	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C276	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C277	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C278	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C279	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C281	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C282	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C284	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C288	2402-001155	C-AL,SMD	47uF,20%,16V,WT,TP,6.3x5.2MM	
C289	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C290	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C291	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C292	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C293	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C294	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C295	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C296	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C297	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C298	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C299	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C301	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C302	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C304	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C306	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C308	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C309	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C310	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C311	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C312	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C313	2203-000838	C-CERAMIC,CHIP	0.39nF,5%,50V,NP0,TP,1608	
C314	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C315	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C318	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C319	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C320	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C321	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C322	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C323	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C327	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C328	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C329	2402-001155	C-AL,SMD	47uF,20%,16V,WT,TP,6.3X5.2MM	
C331	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C332	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C333	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C334	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C336	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C337	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C338	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C339	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C341	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C342	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C343	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C344	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C347	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C348	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C349	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C351	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C352	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C353	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C354	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C357	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C358	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C359	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C363	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C364	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C365	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C366	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C367	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C368	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C369	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C371	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C372	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C373	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C374	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C375	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C376	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C377	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C378	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C379	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C381	2203-000726	C-CERAMIC,CHIP	3.9nF,10%,50V,X7R,TP,1608,-	
C382	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C383	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C384	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C385	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C386	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C387	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C388	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C389	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C391	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C392	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C393	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C397	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C398	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C3A1	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A2	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A3	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A4	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A5	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A6	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A7	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A8	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3A9	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3AA	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3AB	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3AC	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C3AD	2203-000815	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1608	
C501	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C502	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C503	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C504	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C505	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C506	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C507	2203-001652	C-CERAMIC,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	
C508	2203-001652	C-CERAMIC,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	
C517	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C518	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C519	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C520	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C521	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C522	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C523	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C524	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C525	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C526	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C527	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C528	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C529	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C531	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C532	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C533	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C534	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C535	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C536	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C537	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C538	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C539	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C541	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C542	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C543	2203-001656	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,1608	
C544	2203-000491	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	
C545	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C546	2402-000144	C-AL,SMD	3.3uF,20%,50V,GP,TP,4.3x4.3x5.	
C547	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C548	2203-000491	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	
C549	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C550	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C551	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C552	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C553	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	

Loc. No.	Code No.	Description	Specification	Remarks
C554	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C555	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C556	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C557	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C558	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C559	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C561	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
C562	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C563	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C564	2402-000173	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	
C565	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C566	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C567	2203-001071	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,1608	
C568	2203-001071	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,1608	
C569	2203-001656	C-CERAMIC,CHIP	0.47nF,5%,50V,NP0,TP,1608	
C570	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C571	2203-001071	C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,1608	
C572	2203-000280	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1608	
C574	2203-000140	C-CERAMIC,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	
C575	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C576	2203-000972	C-CERAMIC,CHIP	47nF,10%,16V,X7R,TP,1608	
C577	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C580	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C589	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C591	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C592	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C593	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C594	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
C595	2203-000491	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	
C596	2203-000491	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	
C597	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C598	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C601	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C602	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C603	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C604	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C605	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C606	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C607	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C608	2203-000357	C-CERAMIC,CHIP	0.15nF,5%,50V,NP0,TP,1608	
C609	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C611	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C612	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C613	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C614	2203-000552	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,1608	
C615	2203-000552	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,1608	
C616	2402-001019	C-AL,SMD	2.2uF,20%,35V,GP,TP,3.3x3.3x5.	
C617	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C619	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C620	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C621	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C623	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C624	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C625	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C628	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C809	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C810	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C813	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C821	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C822	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C824	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C825	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C826	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C827	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C828	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C841	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C842	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C843	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C844	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C845	2409-001065	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	
C846	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C847	2409-001065	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	
C848	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C849	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
C851	2409-001065	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	
C852	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C853	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C856	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C857	2409-001065	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	
C858	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C859	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C861	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C862	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C863	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C864	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C865	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C866	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C867	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C868	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C869	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C871	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C873	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C874	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C875	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C876	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
C888	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
C889	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C890	2409-001065	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	
C892	2203-001126	C-CERAMIC,CHIP	0.68nF,10%,50V,X7R,TP,1608	
C893	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C901	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C902	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C903	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C904	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C905	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C906	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C907	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C908	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C912	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C921	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C922	2203-000626	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1608	
C923	2203-000626	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1608	
C924	2203-000626	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1608	
CA00	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
CA01	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CA02	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
CA03	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
CA04	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
CA05	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
CA06	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
CA07	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
CA08	2203-000626	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1608	
CA09	2203-000626	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1608	
CA20	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
CA21	2203-000998	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1608	SNA
CB01	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
CB10	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CB11	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CG01	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	SNA
CIS	0202-001162	SOLDER-CREAM	RMA-20-21L,S63,-,SN63/PB36.6/AG0.4,FLUX9.5%	
CN100	3708-001781	CONNECTOR-FPC/FFC/PIC	30P,1MM,SMD-A,SN	
CN101	3708-001781	CONNECTOR-FPC/FFC/PIC	30P,1MM,SMD-A,SN	
CN102	3708-001781	CONNECTOR-FPC/FFC/PIC	30P,1MM,SMD-A,SN	SNA
CN104	3711-003938	CONNECTOR-HEADER	3WALL,15P,1R,1.25mm,SMD-S,SN	
CNP1	3711-003161	CONNECTOR-HEADER	BOX,20P,1R,1.25mm,ANGLE,SN	
CP10	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
CP100	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP101	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP102	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP103	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP104	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP105	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP106	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP107	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP108	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP109	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP11	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
CP110	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP111	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP112	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP113	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP114	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP115	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP116	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP117	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP118	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP119	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP12	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
CP120	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP121	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP122	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP123	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP124	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP125	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP126	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP13	2402-000108	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	
CP133	2409-001029	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	
CP134	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP135	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
CP136	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP137	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP138	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
CP139	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP14	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP140	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP141	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP15	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP16	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP17	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP18	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	
CP19	2203-001402	C-CERAMIC,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	
CP2	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
CP20	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
CP21	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
CP24	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
CP26	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
CP27	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP28	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP29	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP3	2402-000176	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	
CP30	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP31	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP32	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP33	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP34	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP35	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP36	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP37	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP38	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP39	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP4	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
CP40	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP41	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP42	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP43	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP44	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP45	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP46	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
CP47	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP48	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP49	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP5	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
CP50	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP51	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP52	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP53	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP54	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP55	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP56	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP57	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP58	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP59	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP6	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
CP60	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP61	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP62	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP63	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP64	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP65	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP66	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP67	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP68	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP69	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP7	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
CP70	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP71	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP72	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP73	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP74	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP75	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP76	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP77	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP78	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP79	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP8	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
CP80	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP81	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP82	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	

Loc. No.	Code No.	Description	Specification	Remarks
CP83	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP84	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP85	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP86	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP87	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP88	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP89	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP9	2402-000135	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	
CP90	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP91	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP92	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP93	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP94	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP95	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP96	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP97	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP98	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CP99	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
CR01	2203-000236	C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1608	
D501	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D502	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	
D543	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	
D545	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	
D570	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	
D571	0403-001052	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	
D604	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
D681	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D801	0404-001166	DIODE-SCHOTTKY	MBRM130LT3,30V,1000MA,DO-216AA,TP	
D802	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	
D803	0402-001098	DIODE-RECTIFIER	SK34,40V,3A,SMC,TP	
D880	0404-001166	DIODE-SCHOTTKY	MBRM130LT3,30V,1000MA,DO-216AA,TP	
D881	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	
DP1	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	
DP2	0403-001048	DIODE-ZENER	BZX84C16,16V,15.3-17.1V,225mW,	
DP3	0403-001048	DIODE-ZENER	BZX84C16,16V,15.3-17.1V,225mW,	
DP4	0403-001048	DIODE-ZENER	BZX84C16,16V,15.3-17.1V,225mW,	
DP5	0403-001048	DIODE-ZENER	BZX84C16,16V,15.3-17.1V,225mW,	
FT101	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT211	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT281	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT303	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT304	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT811	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT814	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT815	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT816	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT817	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT818	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT822	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT824	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT825	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT851	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT852	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT901	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT902	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT903	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT904	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT923	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT924	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT925	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTA1	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP01	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	

Loc. No.	Code No.	Description	Specification	Remarks
FTP10	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP11	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP12	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP13	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP2	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP3	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP4	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP5	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP6	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FTP7	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FTP8	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FTP9	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
IC001	1001-001190	IC-ANALOG SWITCH	FST1623MTD,BUS SWITCH,TSSOP,56P,240MIL,-,5.5V,-,40TO+85C,PLASTIC,-,200HM,8.5NS,7	
IC002	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC003	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC004	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC005	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC006	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC007	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC008	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC009	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
IC010	1204-001926	IC-VIDEO PROCESS	VPC3230D-C5,PQFP,80P,-,PLASTIC,6V,-,0 TO 65C,TP,VPC3230D-C5	
IC011	1001-001177	IC-VIDEO SWITCH	TEA6425D,VIDEO SWITCH,SOIC,20P,300MIL,-,8.8V,0TO+70C,PLASTIC,-,2UA,ST,-	
IC012	1001-001109	IC-ANALOG SWITCH	FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-,40TO+85C,PLASTIC,-,4.00HM,5.	
IC013	1001-001082	IC-VIDEO SWITCH	BA7657F,-,SOP,24P,300MIL,SINGL	
IC200	1204-002051	IC-VIDEO PROCESS	DPTV-3D-6830,LQFP,208P,28X28MM,PLASTIC,3.6V,-,0TO+70C,TR,-	
IC210	1105-001336	IC-DRAM	4S643232,512Kx32x4BIT,TSSOP,86P,400MIL,60nS,3.3V,10%,PLASTIC,0to+70C,2mA,CMOS,TP	
IC211	1105-001336	IC-DRAM	4S643232,512Kx32x4BIT,TSSOP,86P,400MIL,60nS,3.3V,10%,PLASTIC,0to+70C,2mA,CMOS,TP	
IC300	1003-001419	IC-DISPLAY DRIVER	MN82860,QFP,208P,1102MIL,-,TR,PLASTIC,3.3V,-,2.3V,-,-	
IC350	1002-001292	IC-A/D CONVERTER	AD9883AKST-110,8BITS,QFP,80P,551MIL,-,20.0LSB,TR,CMOS,PLASTIC,3.3V,-,25TO+85C,650M	
IC501	1201-001971	IC-AUDIO AMP	TA2024,SOP,36P,11X15.9MM,SINGLE,-,PLASTIC,13.2V,-,0TO+70C,-,TP	
IC530	1201-001495	IC-AUDIO AMP	7050,SOP,8P,150MIL,DUAL,26DB,PLASTIC,6V,0.25W,-,40DB,-,20NA,-	
IC601	1204-001912	IC-DECODER	SDA5550M,P-MQFP,100P,-,PLASTIC,3.3V,1.5W,0TO+70C,TR,-	
IC603	1103-000138	IC-EEPROM	24C16,2Kx8BIT,SOP,8P,150MIL,10	
IC604	1203-001212	IC-VOL. DETECTOR	7029,SOT-89,3P,-,PLASTIC,-,500	
IC620_SOCKET	3704-000249	SOCKET-IC	32P,PLCC,SN,1.27mm	
IC621	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC622	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC623	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC624	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC625	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC626	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC627	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC628	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC629	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
IC641	2011-000515	R-NETWORK	4.7Kohm,5%,1/16W,L,CHIP,8P,TP	
IC642	2011-000515	R-NETWORK	4.7Kohm,5%,1/16W,L,CHIP,8P,TP	
IC681	1001-001109	IC-ANALOG SWITCH	FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-,40TO+85C,PLASTIC,-,4.00HM,5.	
IC801	1203-000404	IC-DC/DC CONVERTER	34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,0TO+70C,4.0MA,-,ST	
IC802	1203-001890	IC-VOLTAGE REGULATOR	3961,SOT223-5,5P,-,PLASTIC,2.5V,-,40to+125C,800mA,-,TR	
IC803	1203-001816	IC-POS.FIXED REG.	78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-,40TO+85C,0.5A,-,TP	
IC804	1203-001448	IC-SWITCH VOL. REG.	2596,TO-263,5P,-,PLASTIC,4.750	
IC805	1203-001830	IC-SWITCH VOL. REG.	2676,TO-263,7P,-,PLASTIC,3.234/3.336V,-,40TO+125C,3A,-,TP	
IC806	1203-001890	IC-VOLTAGE REGULATOR	3961,SOT223-5,5P,-,PLASTIC,2.5V,-,40to+125C,800mA,-,TR	
IC810	1203-000404	IC-DC/DC CONVERTER	34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,0TO+70C,4.0MA,-,ST	
IC811	1203-001293	IC-POS.FIXED REG.	033,TO-252,3P,6.5MIL,PLASTIC,3	
IC901	1205-001740	IC-TRANSMITTER	DS90C385,TSSOP,56P,240MIL,PLASTIC,4V,1.63W,-,10 TO +70C,ST,FPD LINK-85MHZ(LVDS)	
IC919	1204-001675	IC-SOUND PROCESSOR	MSP3451G,QFP,80P,-,PLASTIC,9V,1000mW,0to+70C,TR,Multistandard Sound	
ICP01	1205-002183	IC-RECEIVER	SI1161BCT100,TQFP,100P,14X14MM,PLASTIC,3.6V,-,0TO+70C,TR,PANELLINK	
ICP10	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP11	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP12	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	

Loc. No.	Code No.	Description	Specification	Remarks
ICP13	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP14	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP15	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP16	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP17	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP18	1001-001190	IC-ANALOG SWITCH	FST16233MTD BUS SWITCH,TSSOP,56P,240MIL,-,5.5V,-40TO+85C,PLASTIC,-,200OHM,8.5NS,7	
ICP19	1001-001190	IC-ANALOG SWITCH	FST16233MTD BUS SWITCH,TSSOP,56P,240MIL,-,5.5V,-40TO+85C,PLASTIC,-,200OHM,8.5NS,7	
ICP2	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP20	0801-002547	IC-CMOS LOGIC	74VHC157 MULTIPLEXER,SOP,16P,150MIL,QUAD,TP,PLASTIC,-,0.36V-40to+85C,-,1.5V,4	
ICP21	1204-002074	IC-MODULATOR	P2005S-08SR,SOIC,8P,4.92X3.95MM,PLASTIC,5.5V,-,0TO+70C,TP,EMI REDUCT(8-32MHZ)	
ICP22	1203-001448	IC-SWITCH VOL. REG.	2596,TO-263,5P,-,PLASTIC,4.750	
ICP23	1203-001448	IC-SWITCH VOL. REG.	2596,TO-263,5P,-,PLASTIC,4.750	
ICP3	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP4	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP5	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP6	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP7	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP8	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
ICP9	2011-001193	R-NETWORK	68ohm,5%,1/16W,L,CHIP,8P,TP	
L007	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L008	2703-000398	INDUCTOR-SMD	10uH,10%,3.2x2.5x2.2mm	
L201	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L202	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L203	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L204	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L206	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L207	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L208	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L209	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L501	BN27-00007A	COIL CHOKE-SMD	DHB0504-100,RB15/17NS,10UH,"±10%,-,0.08OHM,1.5A,DR5.8X4.5,20.5TS,6.0X5.2X4.5MM,-	
L502	BN27-00007A	COIL CHOKE-SMD	DHB0504-100,RB15/17NS,10UH,"±10%,-,0.08OHM,1.5A,DR5.8X4.5,20.5TS,6.0X5.2X4.5MM,-	
L503	BN27-00007A	COIL CHOKE-SMD	DHB0504-100,RB15/17NS,10UH,"±10%,-,0.08OHM,1.5A,DR5.8X4.5,20.5TS,6.0X5.2X4.5MM,-	
L504	BN27-00007A	COIL CHOKE-SMD	DHB0504-100,RB15/17NS,10UH,"±10%,-,0.08OHM,1.5A,DR5.8X4.5,20.5TS,6.0X5.2X4.5MM,-	
L540	2703-002327	INDUCTOR-SMD	3.9UH,55,3.2X2.5X2.2MM	
L541	2703-002327	INDUCTOR-SMD	3.9UH,55,3.2X2.5X2.2MM	
L555	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L611	2703-000412	INDUCTOR-SMD	8.2uH,5%,3.2x2.5x2.2mm	
L612	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L613	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L805	BN27-00010A	COIL CHOKE	-,NK17NS,100UH,10%,-,0.78Y MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,IUEW 0.	
L806	BN27-00009A	COIL CHOKE	SMD,12X12X6,E05,33UH,15%,-,0.128Y MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,IUEW 0.	
L807	BN27-20001A	COIL-CHOKE	-,53.0UH,20%,DR10*5,-,-,-,-,0.18ohm,-,-,-,TRAY	
L830	BN27-00010A	COIL CHOKE	-,NK17NS,100UH,10%,-,0.78Y MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,IUEW 0.	
L831	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L832	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L833	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L834	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L835	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L836	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
L837	3301-001595	CORE-FERRITE BEAD	AB,1KOHM,7.0X6.0X4.5MM,4000MA,TP,FERRITE,0.0120HM	
L838	3301-001595	CORE-FERRITE BEAD	AB,1KOHM,7.0X6.0X4.5MM,4000MA,TP,FERRITE,0.0120HM	
LP1	BN27-20001A	COIL-CHOKE	-,53.0UH,20%,DR10*5,-,-,-,-,0.18ohm,-,-,-,TRAY	
LP2	BN27-20001A	COIL-CHOKE	-,53.0UH,20%,DR10*5,-,-,-,-,0.18ohm,-,-,-,TRAY	
MP1.0	BN41-00229A	PCB MAIN	PD22SO,FR4,6L,250X165X1.23,PD22SO	SNA
Q001	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q002	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q201	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
Q501	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
Q555	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
Q601	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
Q602	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q808	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	

Loc. No.	Code No.	Description	Specification	Remarks
Q812	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
QA01	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QA02	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QA03	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QA04	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QA05	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP1	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP2	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP3	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP4	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP5	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP6	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
QP7	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
R001	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R002	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R003	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R004	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R005	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R006	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R007	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R008	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R009	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R015	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R016	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R017	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R024	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R025	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R026	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R027	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R028	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R035	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R036	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R037	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R061	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R062	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R063	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R064	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R065	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R067	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R101	2007-000091	R-CHIP	12Kohm,5%,1/16W,DA,TP,1608	
R102	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R103	2007-000094	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608	
R104	2007-000091	R-CHIP	12Kohm,5%,1/16W,DA,TP,1608	
R105	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R106	2007-000094	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608	
R107	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R108	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R109	2007-000512	R-CHIP	2.4Kohm,5%,1/16W,DA,TP,1608	
R111	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R112	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R113	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R114	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R115	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R116	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R117	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R118	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R119	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R120	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R121	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R122	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R123	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R124	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R125	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R126	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R127	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R128	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R129	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R199	2007-000097	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608	
R201	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R202	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R203	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R204	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R205	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R206	2007-000113	R-CHIP	33ohm,5%,1/16W,DA,TP,1608	
R207	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R209	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R211	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R212	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R213	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R214	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R215	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R216	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R217	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R218	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R219	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R221	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R222	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R224	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R225	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R231	2007-000118	R-CHIP	390ohm,5%,1/16W,DA,TP,1608	
R232	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R233	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R234	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R236	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R238	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R239	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R241	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R242	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R243	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R244	2007-000239	R-CHIP	1.5Kohm,1%,1/16W,DA,TP,1608	
R248	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R249	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R293	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
R301	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R302	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R303	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R304	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R305	2007-000109	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608	
R309	2007-000109	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608	
R312	2007-001010	R-CHIP	51Kohm,5%,1/16W,DA,TP,1608	
R314	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R315	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R316	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R317	2007-000109	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608	
R318	2007-000616	R-CHIP	24Kohm,5%,1/16W,DA,TP,1608	
R321	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R322	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R323	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R324	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R325	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R326	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
R327	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R328	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R329	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R351	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R354	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R355	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R356	2007-000082	R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1608	
R357	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R358	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R359	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R360	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R361	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R362	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R367	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
R401	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R402	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R403	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R437	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R438	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R441	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R501	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R502	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R503	2007-000109	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608	
R504	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R505	2007-000093	R-CHIP	20Kohm,5%,1/16W,DA,TP,1608	
R506	2007-000093	R-CHIP	20Kohm,5%,1/16W,DA,TP,1608	
R507	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R508	2007-001175	R-CHIP	8.2Kohm,1%,1/16W,DA,TP,1608	
R511	2007-007733	R-CHIP	51OHM,1%,1/16W,DA,TP,1608	
R512	2007-000965	R-CHIP	5.1Kohm,5%,1/16W,DA,TP,1608	
R513	2007-000965	R-CHIP	5.1Kohm,5%,1/16W,DA,TP,1608	
R514	2007-000093	R-CHIP	20Kohm,5%,1/16W,DA,TP,1608	
R515	2007-000093	R-CHIP	20Kohm,5%,1/16W,DA,TP,1608	
R516	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R517	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R518	2007-000882	R-CHIP	4.7ohm,5%,1/16W,DA,TP,1608	
R519	2007-000882	R-CHIP	4.7ohm,5%,1/16W,DA,TP,1608	
R521	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R522	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R523	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R524	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R525	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R526	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R527	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R528	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R529	2007-000077	R-CHIP	470ohm,5%,1/16W,DA,TP,1608	
R531	2007-000077	R-CHIP	470ohm,5%,1/16W,DA,TP,1608	
R532	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R533	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R534	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R535	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R536	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R537	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R539	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R551	2007-001044	R-CHIP	56ohm,5%,1/16W,DA,TP,1608	
R552	2007-001044	R-CHIP	56ohm,5%,1/16W,DA,TP,1608	
R553	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R554	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R555	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R561	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R562	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R563	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R564	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R580	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R591	2007-000458	R-CHIP	18Kohm,5%,1/16W,DA,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R600	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R603	2007-000097	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608	
R604	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R605	2007-000094	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608	
R606	2007-000077	R-CHIP	470ohm,5%,1/16W,DA,TP,1608	
R607	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R608	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R609	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R611	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R612	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R613	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R615	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R616	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R617	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R618	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R619	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
R621	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R622	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R624	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R625	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R626	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R627	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R628	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R629	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R631	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R632	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R633	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R634	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R635	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R636	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
R637	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R639	2007-000075	R-CHIP	220ohm,5%,1/16W,DA,TP,1608	
R643	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R644	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R645	2007-000120	R-CHIP	680ohm,5%,1/16W,DA,TP,1608	
R646	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R648	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R651	2007-000076	R-CHIP	330ohm,5%,1/16W,DA,TP,1608	
R652	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R653	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R662	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R663	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R664	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R667	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R668	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R674	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R675	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R691	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R692	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R693	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
R805	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
R811	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R821	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R822	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
R823	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R824	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R862	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R873	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
R890	2007-000219	R-CHIP	1.2Kohm,1%,1/16W,DA,TP,1608	
R891	2007-000701	R-CHIP	3.6Kohm,1%,1/16W,DA,TP,1608	
R892	2007-008433	R-CHIP	0.33OHM,1%,1W,DA,TP,6432	
R893	2007-008433	R-CHIP	0.33OHM,1%,1W,DA,TP,6432	

Loc. No.	Code No.	Description	Specification	Remarks
R894	2007-000219	R-CHIP	1.2Kohm,1%,1/16W,DA,TP,1608	
R895	2007-000669	R-CHIP	2Kohm,1%,1/16W,DA,TP,1608	
R902	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
R903	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R904	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R905	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R907	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
R908	2007-000072	R-CHIP	47ohm,5%,1/16W,DA,TP,1608	
RA00	2007-001167	R-CHIP	75ohm,5%,1/16W,DA,TP,1608	
RA01	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA02	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA03	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RA04	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA05	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA06	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA08	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RA09	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RA10	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA11	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RA12	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RA13	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA14	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA15	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA16	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA17	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA18	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RA19	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RA20	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA21	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RA22	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RA24	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA25	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA26	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA27	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA28	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA29	2007-000109	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608	
RA30	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RA301	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA302	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA303	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA304	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA305	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA306	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA31	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA311	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA312	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA313	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA32	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RA33	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RA351	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA352	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA353	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA354	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA355	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA356	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RA48	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA51	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RA52	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RA53	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA54	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RA55	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RAP	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	

Loc. No.	Code No.	Description	Specification	Remarks
RAP01	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP10	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP11	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP12	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP13	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP14	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP15	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP16	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP17	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP18	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP19	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP2	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP20	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP21	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP22	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP23	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP24	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP25	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP26	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP27	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP28	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP29	2011-001001	R-NETWORK	0ohm,5%,63mW,L,CHIP,8P,TP	
RAP3	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP30	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
RAP31	2011-000651	R-NETWORK	10ohm,5%,63mW,L,CHIP,8P,TP	
RAP4	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP5	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP6	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP7	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP8	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RAP9	2011-000002	R-NETWORK	22ohm,5%,63mW,L,CHIP,8P,TP	
RB01	2007-000082	R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1608	
RP00	2007-001164	R-CHIP	75ohm,1%,1/16W,DA,TP,1608	
RP01	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP10	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP11	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP12	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP13	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP14	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP15	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP16	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP17	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP18	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP19	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP2	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP20	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP21	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP22	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP23	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP24	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP25	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP26	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP27	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP28	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP29	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP3	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP30	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP31	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP32	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP33	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP34	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP35	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
RP36	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP37	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP38	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP39	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP4	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP41	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP42	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP43	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP44	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP45	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP46	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP47	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP5	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP50	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP51	2007-000070	R-CHIP	0ohm,5%,1/16W,DA,TP,1608	
RP52	2007-000097	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608	
RP53	2007-000120	R-CHIP	680ohm,5%,1/16W,DA,TP,1608	
RP54	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP55	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP56	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP57	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP58	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP59	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
RP6	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP60	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
RP61	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
RP62	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
RP63	2007-000071	R-CHIP	22ohm,5%,1/16W,DA,TP,1608	
RP64	2007-001198	R-CHIP	820OHM,1%,1/10W,DA,TP,2012	
RP65	2007-000118	R-CHIP	390ohm,5%,1/16W,DA,TP,1608	
RP66	2007-000080	R-CHIP	2Kohm,5%,1/16W,DA,TP,1608	
RP69	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RP7	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP70	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RP71	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP72	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP73	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP74	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP75	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP76	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP77	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RP78	2007-000052	R-CHIP	10Kohm,1%,1/16W,DA,TP,1608	
RP79	2007-000084	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608	
RP8	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
RP80	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP81	2007-000074	R-CHIP	100ohm,5%,1/16W,DA,TP,1608	
RP82	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RP83	2007-000078	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608	
RP84	2007-000090	R-CHIP	10KOHM,5%,1/16W,DA,TP,1608	
RP85	2007-000088	R-CHIP	7.5Kohm,5%,1/16W,DA,TP,1608	
RP9	2007-000309	R-CHIP	10ohm,5%,1/16W,DA,TP,1608	
X201	2801-003667	CRYSTAL-SMD	14.3182MHZ,50PPM,28-AAN,16,50OHM,TP	
X401	2801-004004	CRYSTAL-SMD	20.25MHz,20ppm,28-AAN,13pF,25ohm,TP	
X511	2801-003843	CRYSTAL-SMD	18.432MHz,30ppm,28-AAN,20pF,50ohm,TP	
X601	2801-004117	CRYSTAL-SMD	6MHZ,30PPM,28-ABX,20PF,150OHM,TP	
XA01	2801-003700	CRYSTAL-SMD	8MHz,30ppm,28-AAN,20pF,80ohm,T	

7-2 Others

Loc. No.	Code No.	Description	Specification	Remarks
-	BN90-00401A	ASSY STAND	PD22JO,JAPAN,PD22JO-WXA6/8080	SNA
STD	BN96-00127B	ASSY STAND P	POSEIDON22,ABS VO ,GR81,DGM2188	
STD	6003-000122	SCREW-TAPTITE	BH,+ ,B,M4,L12,ZPC(YEL),SWRCH18	
STD	6003-001337	SCREW-TAPTITE	CH,+ ,S,M4,L6,ZPC(YEL),SWRCH18A,-	SNA
STD	BN61-00099A	STAND-ACETAL,A	APOLLO29,ACETAL	SNA
STD	BN61-00104A	STAND-ROLLER SHAFT	APOLLO29,FORGING.	SNA
STD	BN61-00105A	STAND-ROLLER	APOLLO29,PE	SNA
STD	BN61-00228A	STAND-COVER	POSEIDON22,ABS VO GR81	SNA
STD	BN61-00229A	STAND-BRKT	POSEIDON22,SECC,T1.2	SNA
STD	BN61-00230A	STAND-BRKT SUPPORT-R	POSEIDON22,SECC,T2.0	SNA
STD	BN61-00231A	STAND-BRKT SUPPORT-L	POSEIDON22,SECC,T2.0	SNA
STD	BN61-00233A	STAND-SWIVEL	POSEIDON22,ABS HB,BK12	SNA
STD	BN61-00234A	STAND-RUBBER	POSEIDON22,NEOPRENE,T1.6,BLACK	SNA
-	BN90-00437A	ASSY COVER FRONT	PD22SO,PD22SO-WXA2/8080	
C/F+C/R	6003-000009	SCREW-TAPTITE	BH,+ ,B,M4,L16,ZPC(YEL),SWRCH18	SNA
C/F	BN64-00111A	KNOB-POWER	POSEIDON22,ABS + PC IV16,IV16	
C/F	BN96-00128E	ASSY COVER P-FRONT	PD22SO,ABS VO,GR81	
C/F	6003-001188	SCREW-TAPTITE	BH,+ ,B,M4,L10,YEL,SWRCH18A	SNA
C/F	BN59-00280A	BOARD-FUNCTION ASS'Y	AL29AO,FUNCTION ASS'Y	SNA
C/F	BN61-00160A	HOLDER-CAP	MO15PS,PE,T1.0,30,30,NTR,DAHC-20	SNA
C/F	BN63-00387A	COVER-FRONT	POSEIDON22,ABS+PC , ABS	SNA
C/F	BN63-00388A	COVER-GRILL	POSEIDON22,ABS VO GR81	SNA
C/F	BN64-00061A	KNOB-RING	APOLLO29,ABS ,HB,CLEAR	
C/F	BN64-00099C	BADGE-BRAND	POSEIDON,AL,T1.5,8.5,50,BLM-6238,SAMSUNG(LAYERGLOSS)	
C/F	BN64-00110A	KNOB-FUNCTION	POSEIDON22,ABS HB IV16,IV16	
C/F	BN67-00055A	LENS-LED	APOLLO29,ACRYL,CLEAR	SNA
C/F	BN67-00056A	LENS-MIRROR	APOLLO29,ACRYL,CLEAR,AL COATING	
C/F	BN67-00070A	LENS-IR	APOLLO29,ACRYL,CLEAR	
C/F	BN96-00176A	ASSY SPEAKER P	8OHM,10W,RIGHT SPEAK(3P 650MM)	
C/F	BN96-00177A	ASSY SPEAKER P	8OHM,10W,LEFT SPEAK(2P 220MM)	
-	BN90-00438A	ASSY COVER REAR	PD22SO	
C/R+STAND	6003-000009	SCREW-TAPTITE	BH,+ ,B,M4,L16,ZPC(YEL),SWRCH18	SNA
C/R	BN63-00389D	COVER-REAR ASIA	POSEIDON22,ABS VO,GR81,ASIA	
-	BN91-00386H	ASSY MISC-ADAPTOR	AL40UO	SNA
CIS	BN44-00051C	ADAPTOR	PSCV121101S , RUBENS,100/240VAC,+14 VDC,10A,0 TO +40 C,SILVER COLOR	
-	BN91-00388L	ASSY LCD	PD22KO	SNA
CIS	BN07-00074A	LCD	LTA220W1-L01,ES17AS,1280*720,525.6*307.9*30.6,16.7M,56.0,264*0.264,0-55.5,0,TN,-	
-	BN91-00543A	ASSY CHASSIS	PD22SO	
-	BN91-00544A	ASSY SHIELD	PD22SO	SNA
C/F+SH/SB_PCB	6003-001136	SCREW-TAPTITE	BH,+ ,B,M4,L8,ZPC(YEL),SWRCH18A	SNA
CIS	0201-001096	ADHESIVE-HM	#3748,YEL,8500CPS,-	SNA
CIS	BN39-00228A	LEAD CONNECTOR-ASSY	RS2MNS,U11061#28,U1/CSA,15P,,-, #28,12505HS-15,BK,,-,70MM,1061#28,SJ	SNA
CIS	BN39-00297A	LEAD CONNECTOR	PD22** ,U11007#26,U1/CSA,6P,#26,SMH200-06,SMH200-06,BK,50MM,1007#26,SJ02-01-110	SNA
CIS	BN39-00319A	LEAD CONNECTOR	PD22** ,U12835#28,U1/CSA,10P,#28,12505HS-10,12505HS-10,BK,90MM,2835#28,SJ02-01-222	SNA
CIS	BN39-00320A	LEAD CONNECTOR	,U12835#28,U1/CSA,20P,#28,12507HS-20,12507HS-20,BK,130MM,2835#28,SJ02-01-221,COR	SNA
CIS	BN59-00334A	BOARD-INPUT ASS'Y	PD22SO,SJ02-01-237,INPUT BOARD ASS'Y	SNA
CIS	BN61-00226A	BRACKET-SIDE - R	POSEIDON22,SECC,T1.6	SNA
CIS	BN61-00227A	BRACKET-SIDE - L	POSEIDON22,SECC,T1.6	SNA
CIS	BN63-00391A	SHIELD-SUB PCB NTSC	POSEIDON22,SPT,TO.3	
CIS	BN63-00543A	GASKET	POSEIDON22,CONDUCTIVE FABRIC,15MM,8MM,280MM,GRAY,71TSSK-15-8-280-13,SHIELD FORM	
CIS	BN73-00024B	SILICON/RUBBER-GAP PAD	POSEIDON,SILICON,28*28 T2.0,BERGQUIST	

Loc. No.	Code No.	Description	Specification	Remarks
M/PCB+PAN	6001-000054	SCREW-MACHINE	PH,+,M3,L6,ZPC(YEL),SWRCH18A,F	
SD/BRKT+C/F	6003-000009	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	
SD/BRKT+PAN	6001-000137	SCREW-MACHINE	BH,+,M3,L8,ZPC(YEL),SM20C,-	
SH/PCB+M/PCB	6001-000054	SCREW-MACHINE	PH,+,M3,L6,ZPC(YEL),SWRCH18A,F	SNA
SH/PCB+PAN	6001-000054	SCREW-MACHINE	PH,+,M3,L6,ZPC(YEL),SWRCH18A,F	SNA
SH/PCB+PAN	6003-000009	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	
SH/SB_PCB+DVI	6046-001009	STAND OFF	M3,L3.5,NI PLT,SUM24L,#4-40	SNA
SH/SB_PCB+SH/PCB	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
CIS	BN96-00234B	ASSY MISC P-SHIELD-PCB	POSEIDON 22,SECC,T1.0,COREB	
CIS	BH63-00097A	GASKET	POSEIDON,CONDUCTIVE FABRIC,5MM,10MM,85MM,GRAY,SHIELD FORM,71TSSK-10-RS-85-13-	SNA
CIS	BH63-00098A	GASKET	POSEIDON,CONDUCTIVE FABRIC,5MM,10MM,220MM,GRAY,SHIELD FORM,71TSSK10-RN5-220-13-	SNA
CIS	BH63-00100A	GASKET	POSEIDON,CONDUCTIVE FABRIC,5MM,10MM,20MM,GRAY,SHIELD FORM,71TSSK10-RN5-20-13-D	SNA
CIS	BH63-00101A	GASKET	POSEIDON,CONDUCTIVE FABRIC,5MM,10MM,245MM,GRAY,SHIELD FORM,71TSSK10-RN5-245-13-	SNA
CIS	BH63-00102A	GASKET	POSEIDON,CONDUCTIVE FABRIC,5MM,10MM,50MM,GRAY,SHIELD FORM,71TSSK10-RN5-50-13-D	SNA
CIS	BN63-00390B	SHIELD-PCB	POSEIDON22,SECC,T1.0,PAL	SNA
CIS	BN63-00543A	GASKET	POSEIDON22,CONDUCTIVE FABRIC,15MM,8MM,280MM,GRAY,71TSSK-15-8-280-13,SHIELD FORM	SNA
-	BN92-00511A	ASSY LABEL	PD22EO	SNA
LABEL	BN68-00269C	LABEL RATING	,TETRON,TO.05,78,64,NO PRINT	SNA
-	BN92-00515A	ASSY P/MATERIAL	PD22SO	SNA
P/M	0203-001102	TAPE-OPP MASKING	OPP-2,TO.05,W100,L400M,CLR	SNA
P/M	BH69-00256A	PAD-PACKING-EDGE	MV540,B400,200,2170,-,-,YEL,-,-	SNA
P/M	BH69-00375B	PACKING-PAD	POSEIDON,SW4,700,1100,YEL	SNA
P/M	BH69-00457B	PACKING-PAD	GH15,FOAM,T3.0,930,1000	SNA
P/M	BH69-30002C	BAG-PE	LDPE,TO.05,W2400,NO_PRINT	SNA
P/M	BH69-30355B	BAG	PE,TO.54,W850*800,Y,-24,CKB5267	
P/M	BH69-30355F	BAG-PE/N	AL40AO,PE FOAM,0.5,320,210,NTR	SNA
P/M	BH69-30360A	BAG-AIR	HDPE,TO.2,W1000*L1800,N,-,ALL	SNA
P/M	BH69-40379A	PACKING-WRAP	LDPE,W500*TO.02,-,-	SNA
P/M	BN69-00139P	PALLET-PACKING	POSEIDON 22,WOODEN,710,1110,120	SNA
P/M	BN69-00140G	PAD-PALLET COVER	PC21,SW,1100*3500,1070,-,-,-,-,-	SNA
P/M	BN69-00140H	PAD-PALLET COVER	PC21,SW,600*3400,1070,-,-,-,-,-	SNA
P/M	BN69-00342A	CUSHION-R/L	POSEIDON22,EPS,M50	SNA
-	BN92-00628A	ASSY ACCESSORY	PD22SO	SNA
-	BN92-00636A	ASSY BOX	PD22SO	SNA

Memo

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).

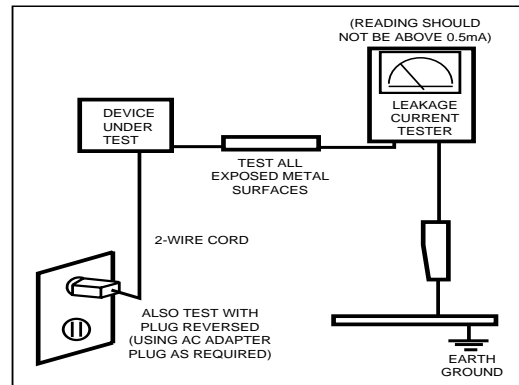


Figure 1-1. Leakage Current Test Circuit

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 are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

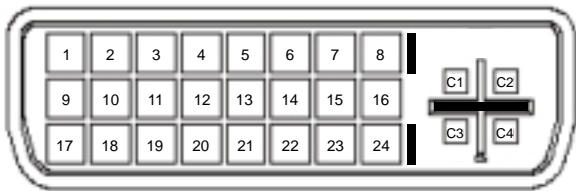
2-1 Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally Black, 22-Inch viewable, 0.381 mm x 0.381 mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 48 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 720 Pixels	
Input Video Signal	Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Separate H/V Level : TTL level	
Maximum Pixel Clock rate	70 MHz	
Active Display Horizontal/Vertical	487.68 mm / 274.32 mm	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 50~60 Hz, DC14V / 8A	
Power Consumption	90 W (Max)	
Dimensions Unit (W x D x H) Carton (W x D x H)	23.6 x 7.3 x 18.4 Inches (600 x 185 x 468 mm) 27.6 x 21.8 x 10.2 Inches (702 x 553 x 260 mm)	
Weight (Unit/Gross)	8.8 kg (19.4 lbs) / 15.3 kg (33.7 lbs)	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Humidity : 5 % ~ 95 %	
TV System	Tuning	Frequency Synthesize
	System	PAL, SECAM, NTSC 4.4, NTSC 3.58
	Sound	B/G, D/K, I, M
Antenna Input	75 Ω , Coaxial Cable	
Sound Characteristic	– MAX Internal speaker Out : Right => 7W Left => 7W	
	– BASS Control Range : -12 dB~ + 12 dB – TREBLE Control Range : -12 dB~ + 12 dB – Headphone Out: 5mW max (400m Vrms) – Output Frequency : RF => 80 Hz ~ 15 kHz A/V => 80 Hz ~ 15 kHz	

2-2 Pin Assignments

2-2-1 DVI-I (Analog & Digital)

Ref) DVI-D : Digital only
D-SUB : Analog only



DVI-I Receptacle Connector Front View

Pin No.	Signal Assignment	Pin No.	Signal Assignment	Pin No.	Signal Assignment
1	RX2-	11	GND	21	NC
2	RX2+	12	NC	22	GND
3	GND	13	NC	23	RXC-
4	NC	14	DDC Input Power(+5V)	24	RXC+
5	NC	15	Self Iaster	C1	Analog Red
6	DDC Clock (SCL)	16	Output Signal Connection	C2	Analog Green
7	DDC Data (SDA)	17	RX0-	C3	Analog Blue
8	Analog Vertical Sync.	18	RX0+	C4	Analog Horizontal Sync.
9	RX1-	19	GND		
10	RX1+	20	NC		

2-2-2 Component 1, 2

RCA Green	Y
	GND
RCA Blue	Pb (Cb)
	GND
RCA Red	Pr (Cr)
	GND
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

2-2-3 S-Video

Pin	Separate
1	GND
2	Y
3	C
4	GND
5	GND

2-2-4 A/V

RCA Yellow	CVBS
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

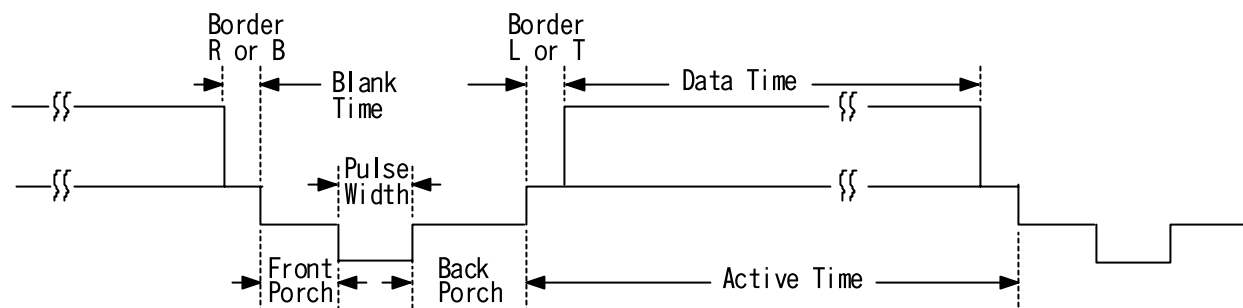
2-3 Timing Chart

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

2-3-1 LCD Panel Mode : 1 mode

* N/C : Non-Interlaced, I : Interlaced

Timing No.	
Originator	GTF
Mode Name	1280/60Hz
Resolution (HxV)	1280x720
HORIZONTAL	
Frequency	44.769 kHz
Total time	22.341 μ s
Active time	17.186 μ s
Blank time	5.156 μ s
Border (L / R)	0.000 μ s
Data time	17.186 μ s
Front porch	0.752 μ s
Sync. width	1.826 μ s
Back porch	2.578 μ s
Sync. polarity	Negative
VERTICAL	
Frequency	60Hz
Total time	16.667ms
Active time	16.086 ms
Blank time	0.581 ms
Border (T / B)	0.000 ms
Data time	16.086 ms
Front porch	22.341 μ s
Sync. width	67.024 μ s
Back porch	491.510 μ s
Sync. polarity	Positive
Dot Clock	74.841MHz
Sync. Type	Separate
Scan Type	N/I



2-3-2 Supported Modes (1)

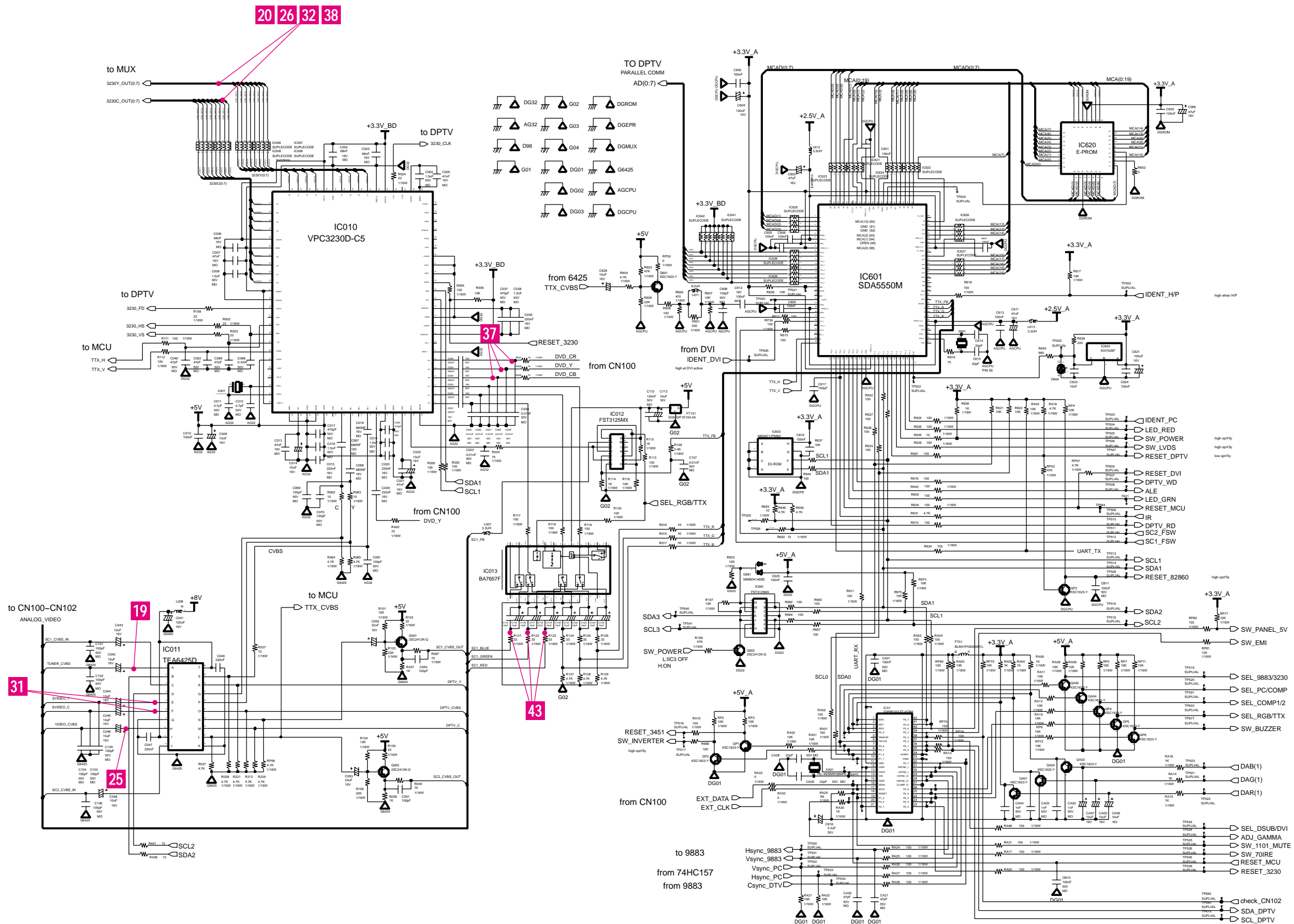
Timing No. Originator Mode Name Resolution (HxV)	2 IBM VGA2 720x400	3 IBM VGA3 640x480	11 VESA 640/72Hz 640x480	17 VESA 640/75Hz 640x480	32 MAC 640/67Hz 640x480
HORIZONTAL Frequency	31.469kHz	31.469kHz	37.861kHz	37.500kHz	35.000kHz
Total time	31.777 μ s	31.778 μ s	26.413 μ s	26.667 μ s	28.571 μ s
Active time	26.058 μ s	26.058 μ s	20.825 μ s	20.317 μ s	21.164 μ s
Blank time	5.720 μ s	5.720 μ s	5.588 μ s	6.350 μ s	7.407 μ s
Border (L / R)	0.318 μ s	0.318 μ s	0.254 μ s	0.000 μ s	0.000 μ s
Data time	25.422 μ s	25.422 μ s	20.317 μ s	20.317 μ s	21.164 μ s
Front porch	0.318 μ s	0.318 μ s	0.508 μ s	0.508 μ s	2.116 μ s
Sync. width	3.813 μ s	3.813 μ s	1.270 μ s	2.032 μ s	2.116 μ s
Back porch	1.589 μ s	1.589 μ s	3.810 μ s	3.810 μ s	3.175 μ s
Sync. polarity	Negative	Negative	Negative	Negative	Negative
VERTICAL Frequency	70.087Hz	59.940Hz	72.809Hz	75.000Hz	66.667Hz
Total time	14.268ms	16.683ms	13.735ms	13.333ms	15.000ms
Active time	13.155ms	15.761ms	13.100ms	12.800ms	13.714ms
Blank time	1.113ms	0.922ms	0.635ms	0.533ms	1.286ms
Border (T / B)	0.222ms	0.254ms	0.211ms	0.000ms	0.000ms
Data time	12.711ms	15.253ms	12.678ms	12.800ms	13.714ms
Front porch	0.191ms	0.064ms	0.026ms	0.027ms	0.086ms
Sync. width	0.064ms	0.064ms	0.079ms	0.080ms	0.086ms
Back porch	0.858ms	0.794ms	0.528ms	0.427ms	1.114ms
Sync. polarity	Positive	Negative	Negative	Negative	Negative
Dot Clock	28.322MHz	25.175MHz	31.500MHz	31.500MHz	30.240MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

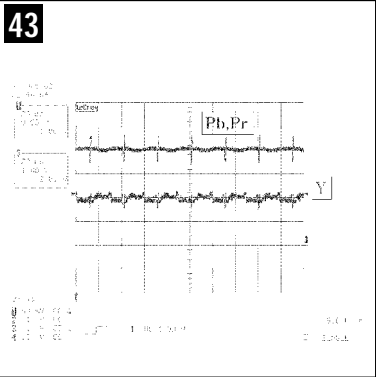
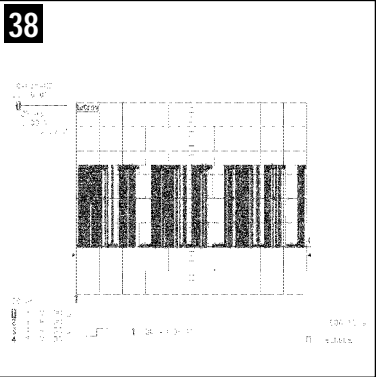
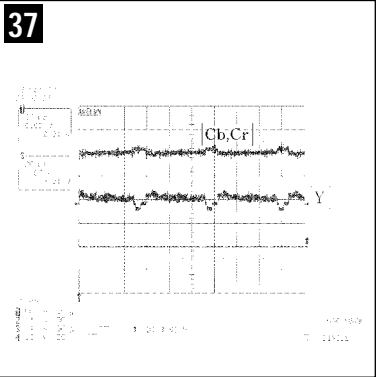
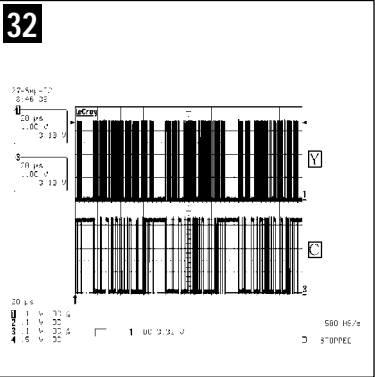
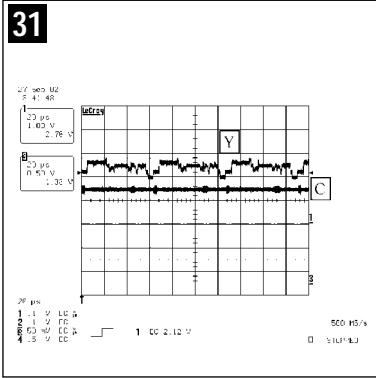
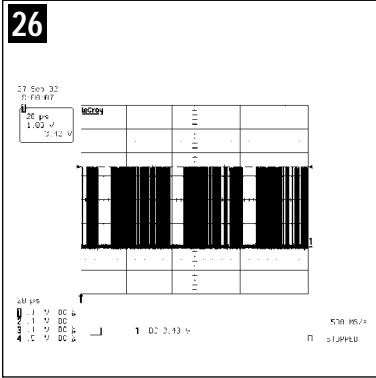
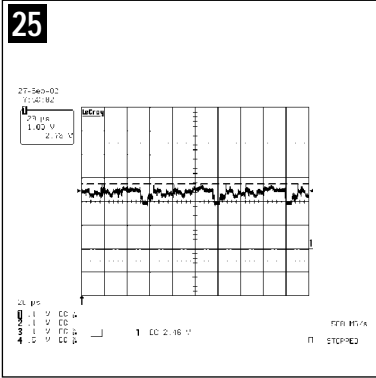
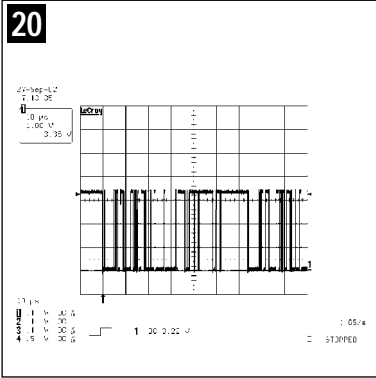
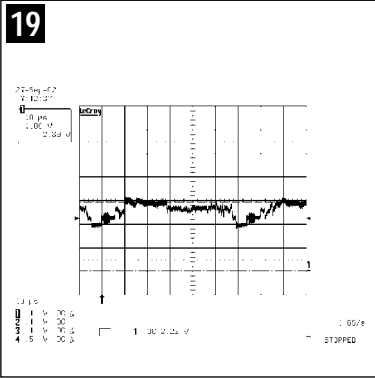
2-3-2 Supported Modes (2)

Timing No. Originator Mode Name Resolution (HxV)	13 VESA 800/60Hz 800x600	14 VESA 800/72Hz 800x600	18 VESA 800/75Hz 800x600	33 MAC 832/75Hz 832x624
HORIZONTAL				
Frequency	37.879kHz	48.077kHz	46.875kHz	49.726kHz
Total time	26.400μs	20.800μs	21.333μs	20.110μs
Active time	20.000μs	16.000μs	16.162μs	14.524μs
Blank time	6.400μs	4.800μs	5.171μs	5.171μs
Border (L / R)	0.000μs	0.000μs	0.000μs	0.000μs
Data time	20.000μs	16.000μs	16.162μs	14.524μs
Front porch	1.000μs	1.120μs	0.323μs	0.559μs
Sync. width	3.200μs	2.400μs	1.616μs	1.117μs
Back porch	2.200μs	1.280μs	3.232μs	3.910μs
Sync. polarity	Positive	Positive	Positive	Positive
VERTICAL				
Frequency	60.317Hz	72.188Hz	75.000Hz	74.551Hz
Total time	16.579ms	13.853ms	13.333ms	13.414ms
Active time	15.840ms	12.480ms	12.800ms	12.549ms
Blank time	0.739ms	1.373ms	0.533ms	0.864ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms
Data time	15.840ms	12.480ms	12.800ms	12.549ms
Front porch	0.026ms	0.770ms	0.021ms	0.020ms
Sync. width	0.106ms	0.125ms	0.064ms	0.060ms
Back porch	0.607ms	0.478ms	0.448ms	0.784ms
Sync. polarity	Positive	Positive	Positive	Positive
Dot Clock	40.000MHz	50.000MHz	49.500MHz	49.500MHz
Sync. Type	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I

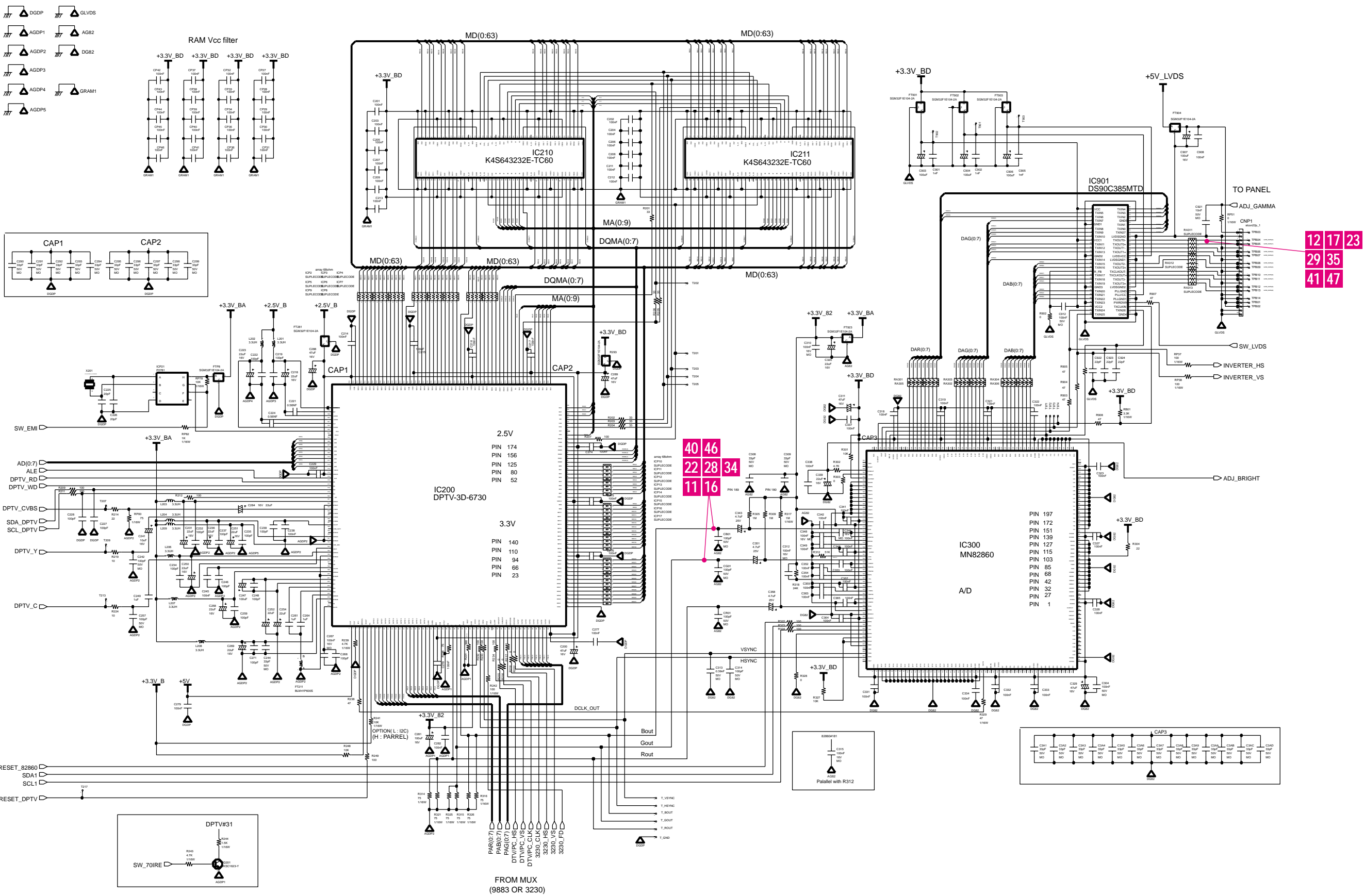
10 Schematic Diagrams

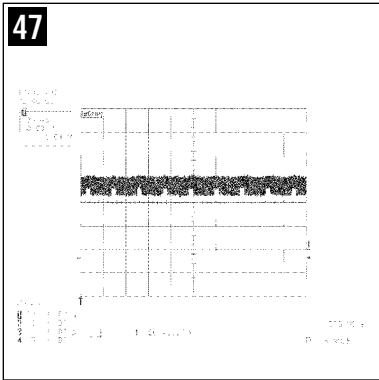
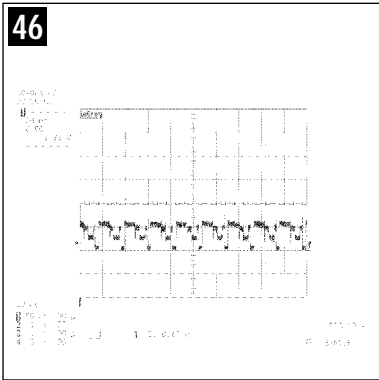
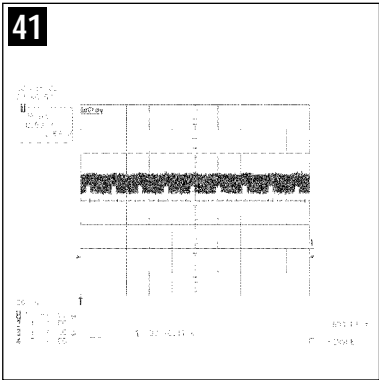
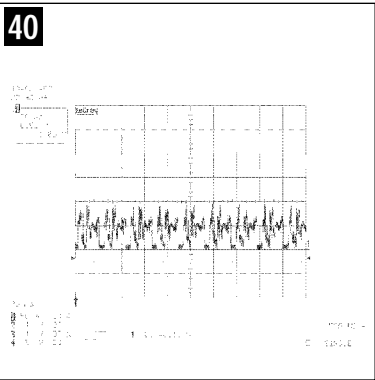
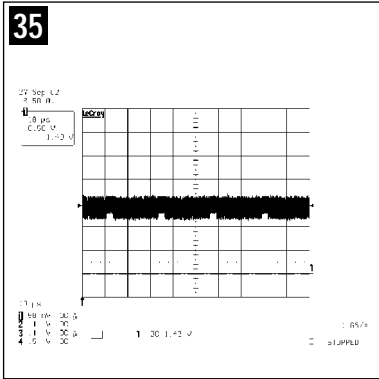
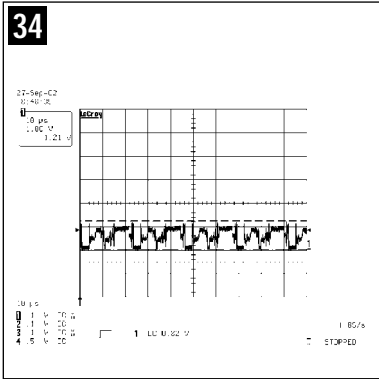
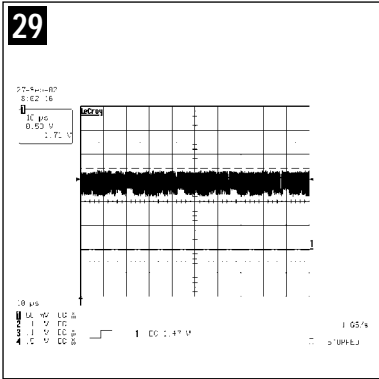
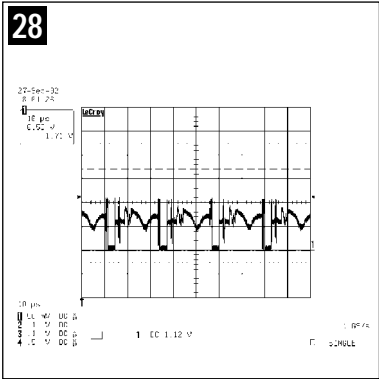
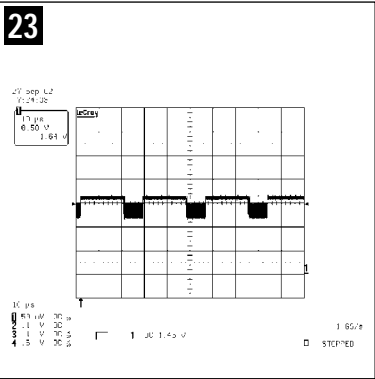
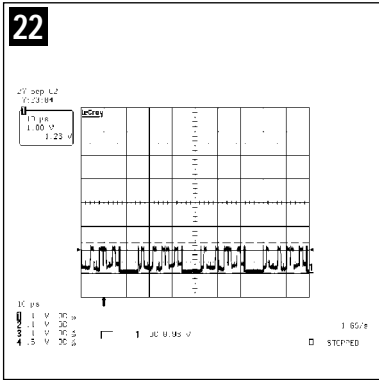
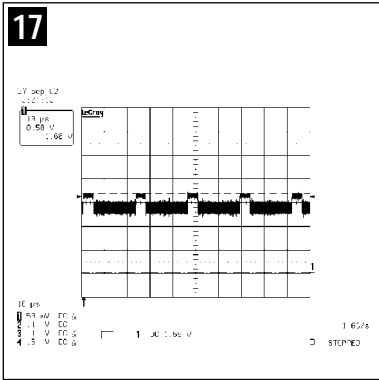
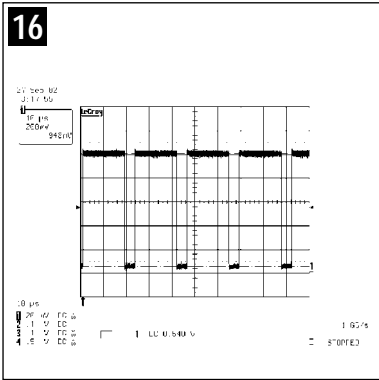
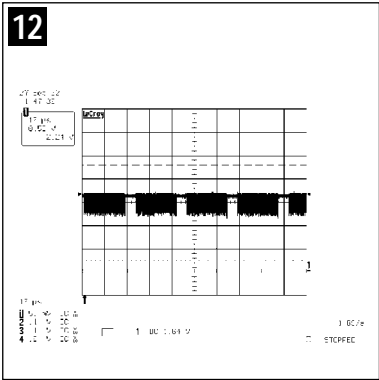
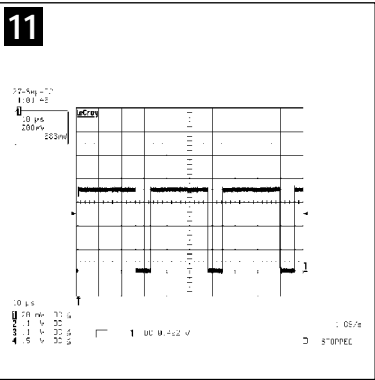
10-1 CPU Block & Analog Signal Input Processing Part Schematic Diagram

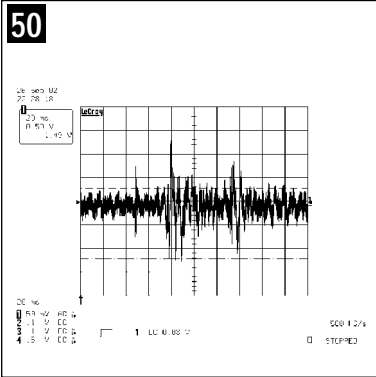
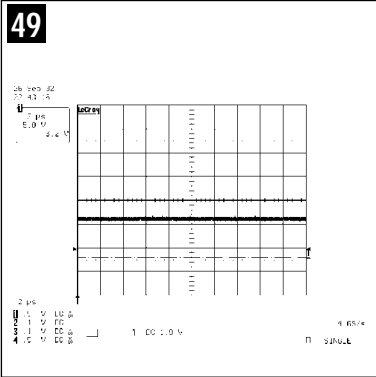
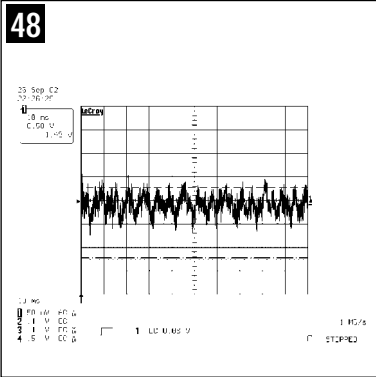
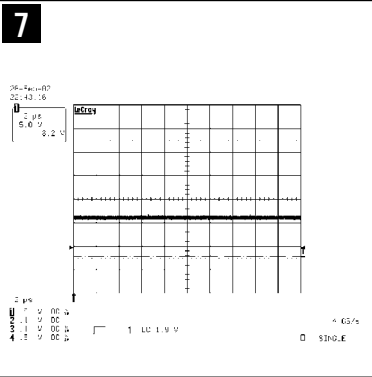
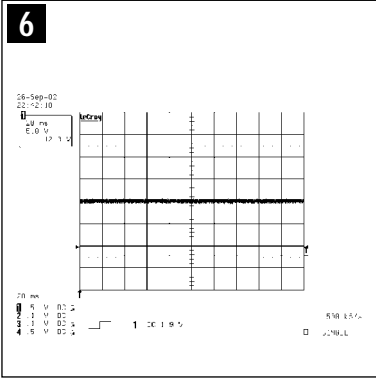
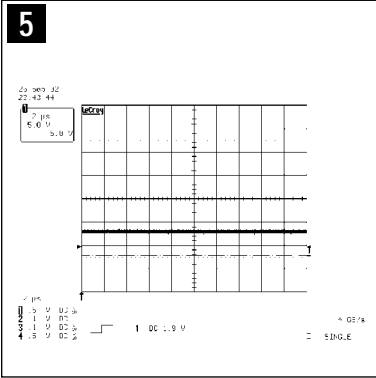
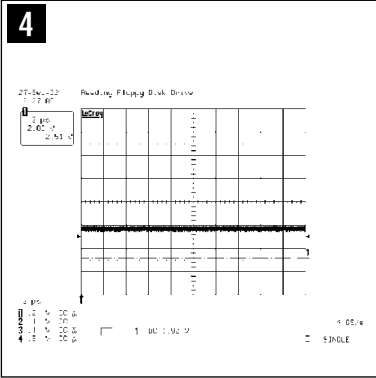
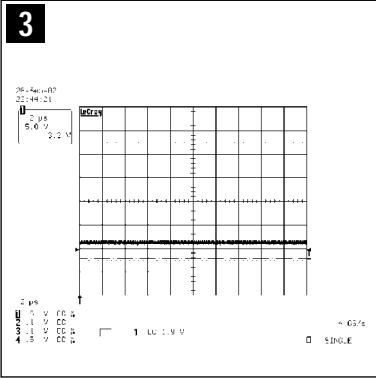
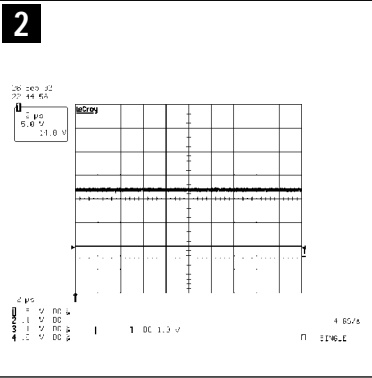




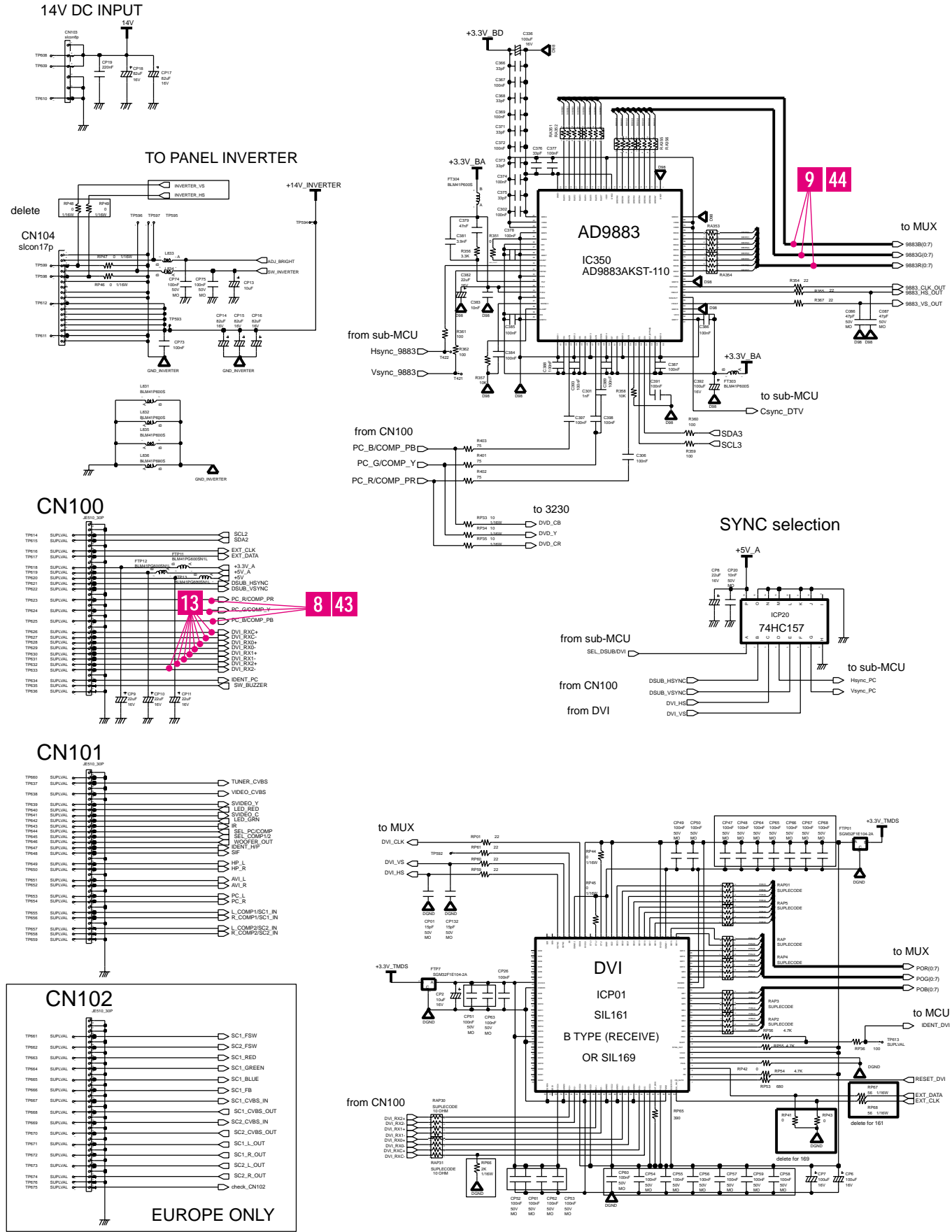
10-2 SCALER & Digital Output Part Schematic Diagram



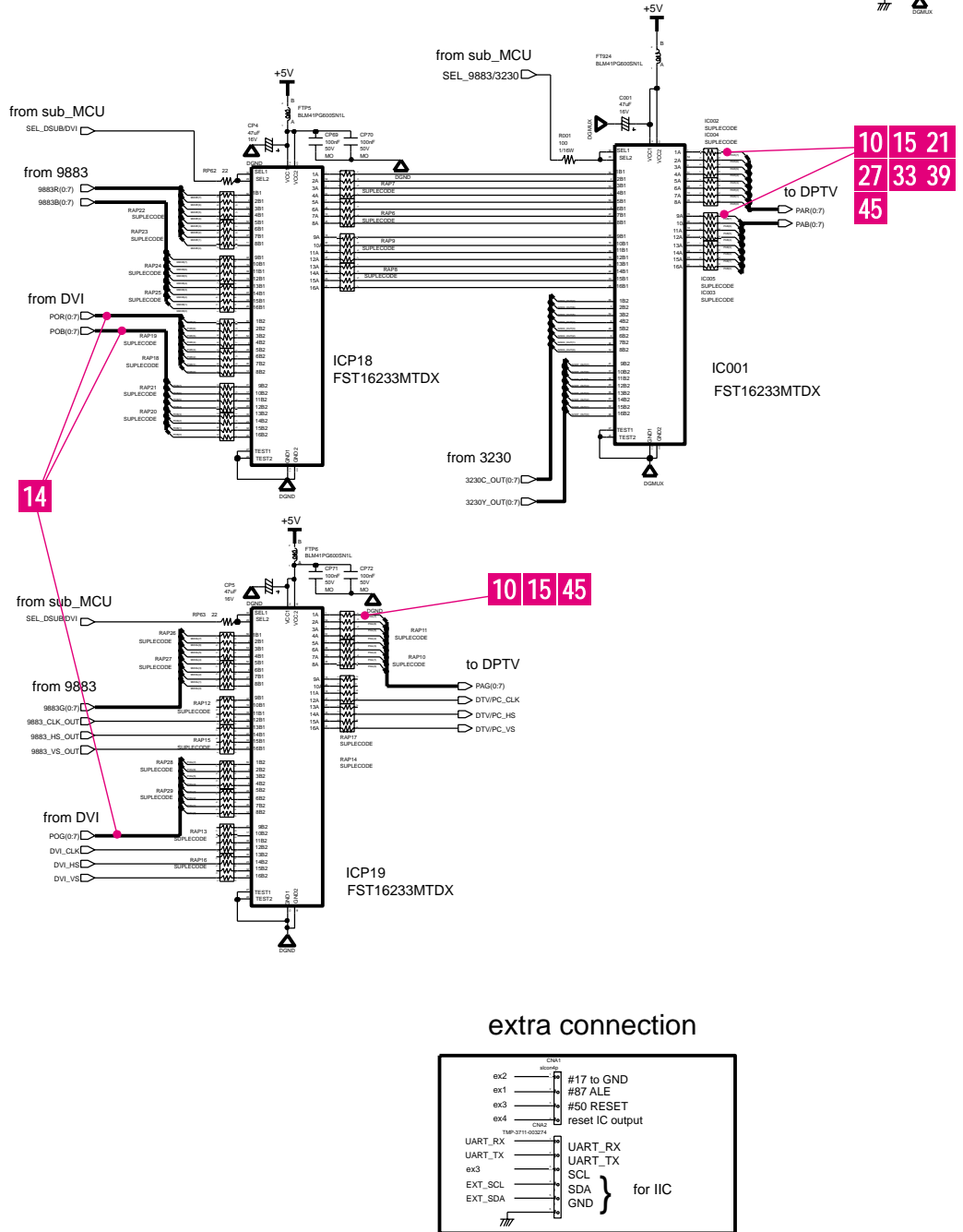




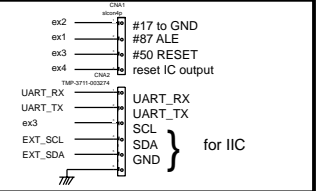
10-4 Digital Signal Input Connectors & Connectors Part Schematic Diagram



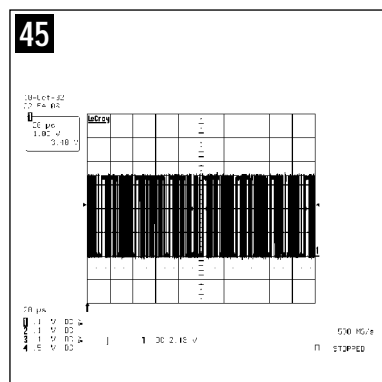
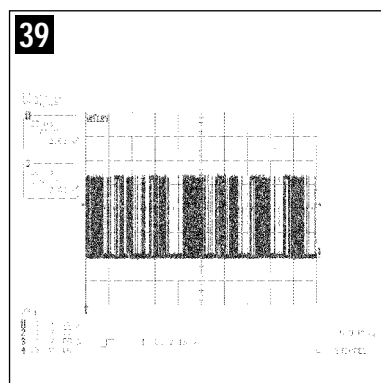
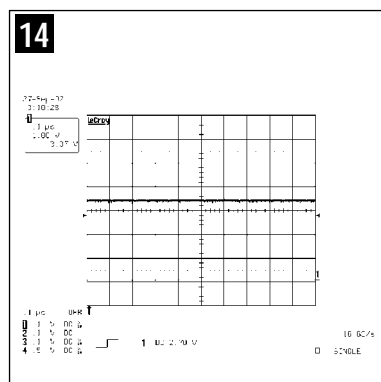
MUX circuits



extra connection

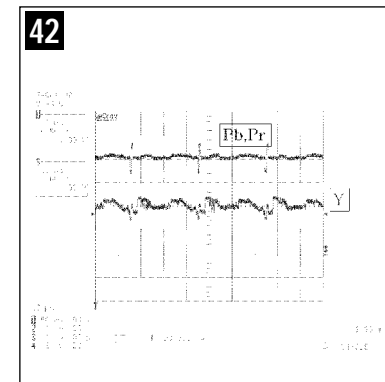


PCB: BN41-00229A



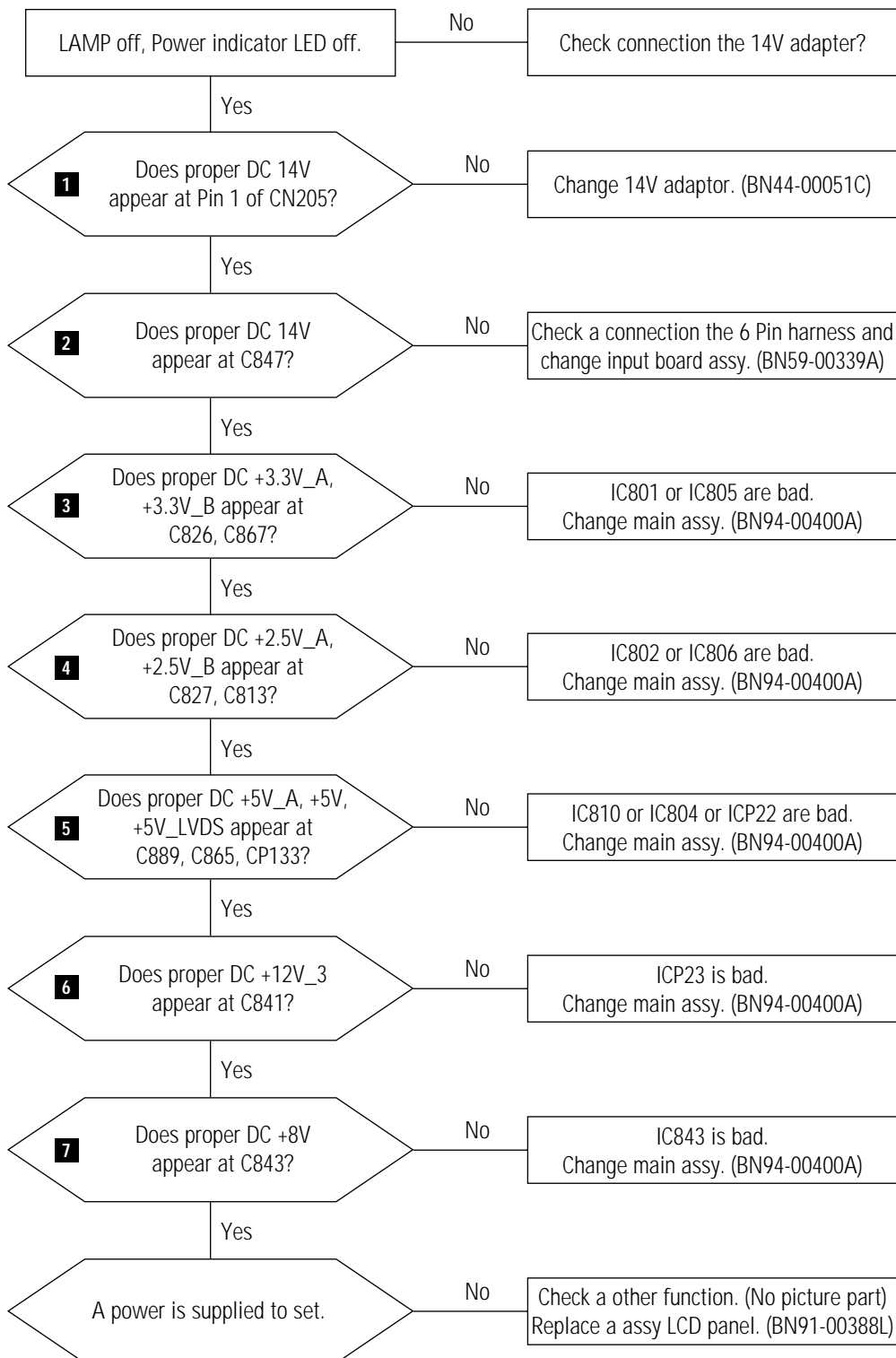
LS22A13W





5 Troubleshooting

5-1 No Power



1 26-Sep-02 22:44:55
2 μs 5.0 V 1.0 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

2 26-Sep-02 22:44:55
2 μs 5.0 V 1.0 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

3 26-Sep-02 22:44:55
2 μs 5.0 V 2.2 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

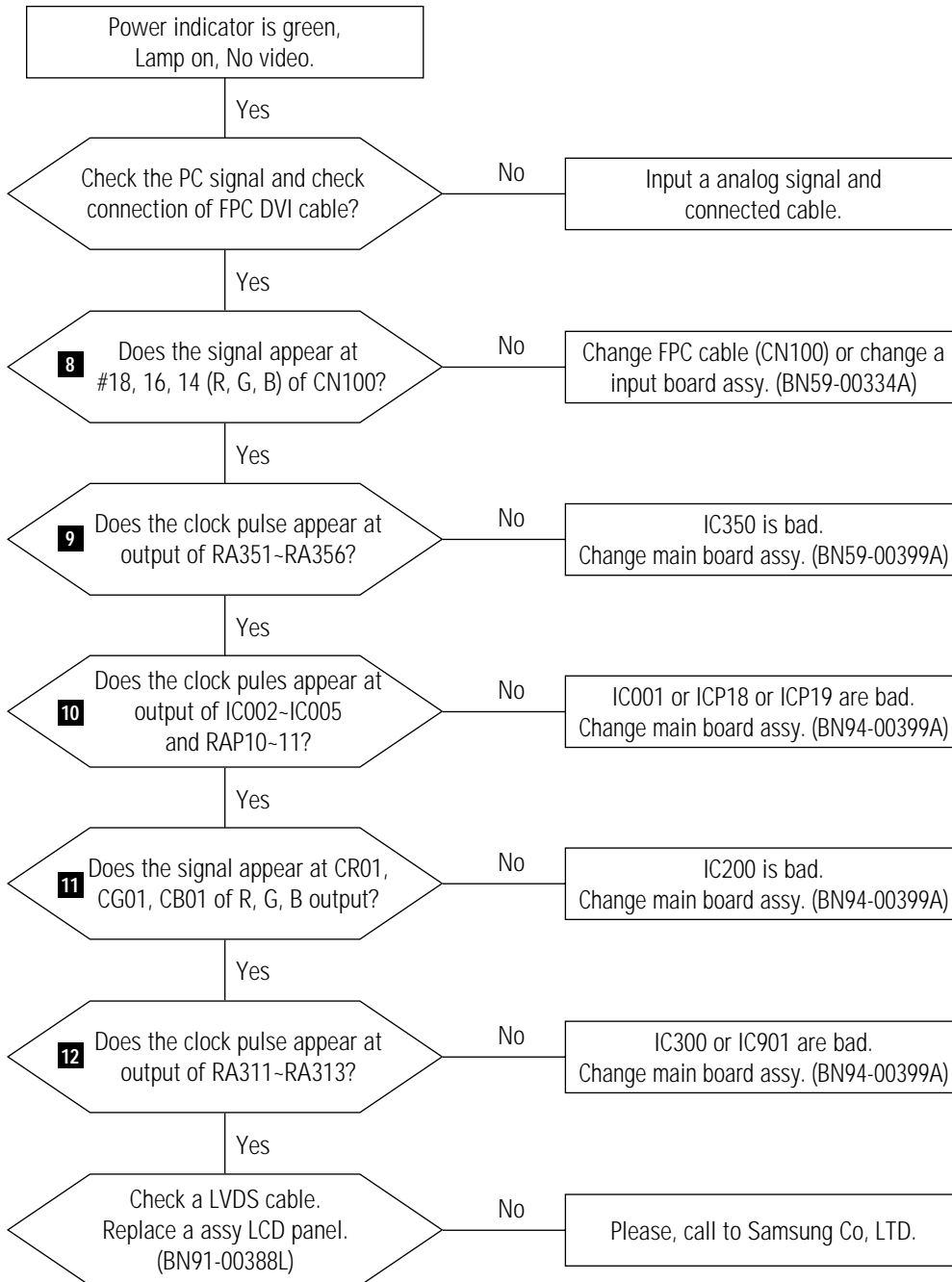
4 27-Sep-02 22:44:55
2 μs 5.0 V 2.2 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

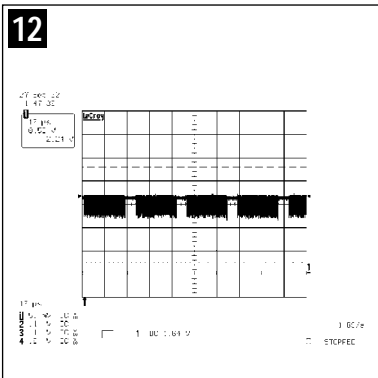
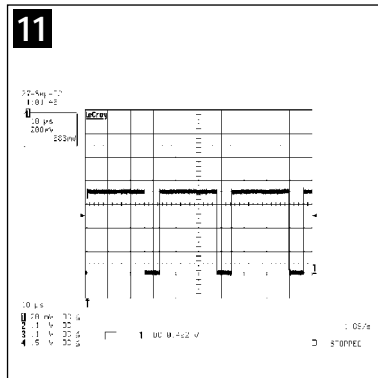
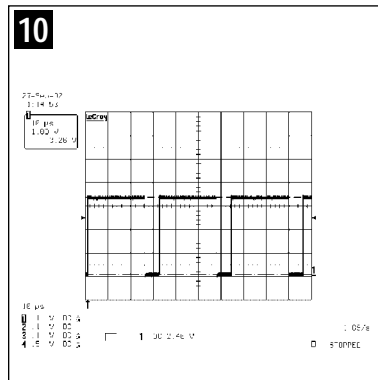
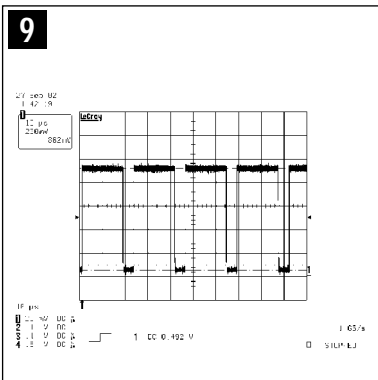
5 27-Sep-02 22:44:55
2 μs 5.0 V 2.2 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

6 26-Sep-02 22:44:55
2 μs 5.0 V 2.2 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

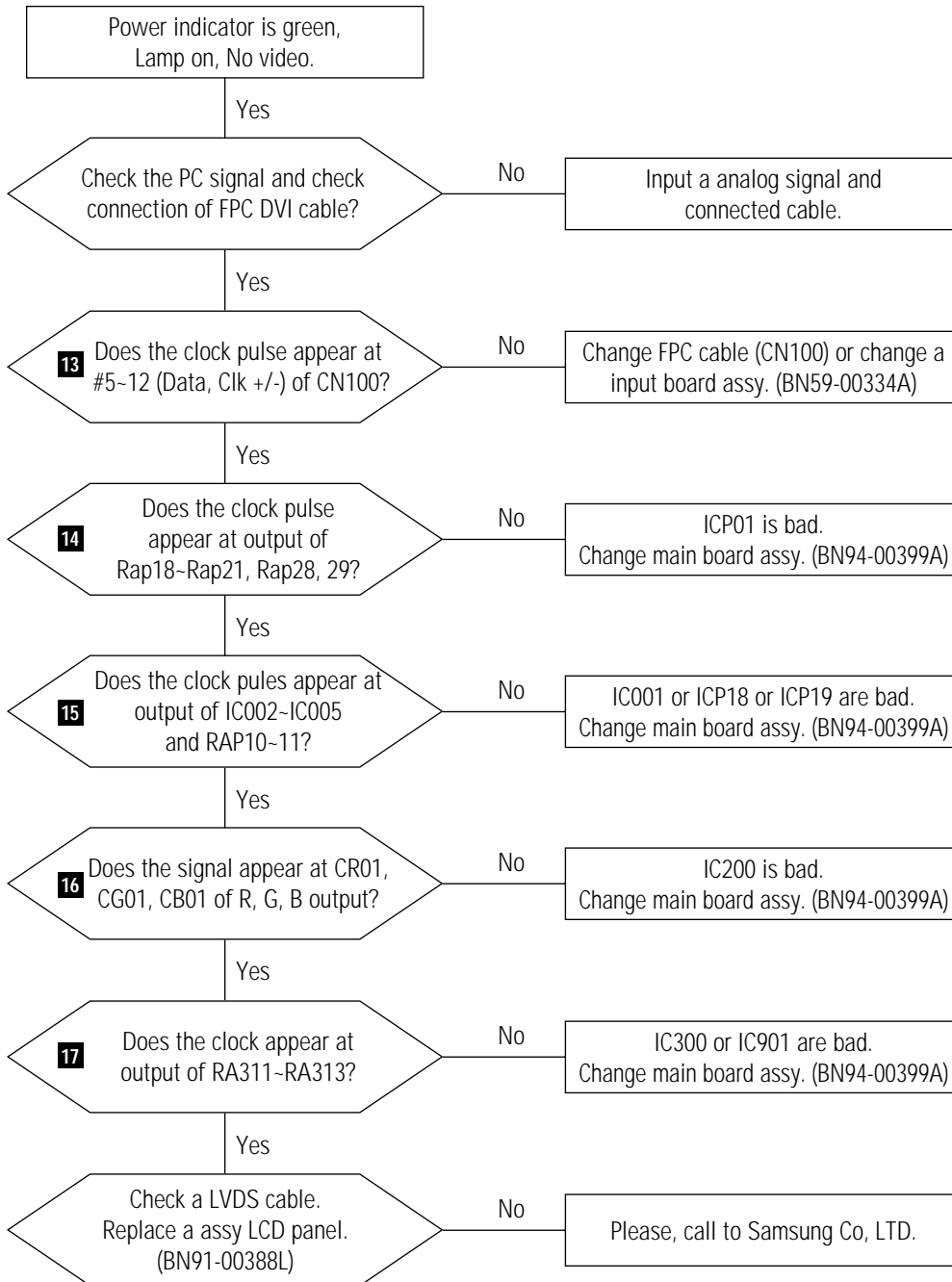
7 26-Sep-02 22:44:55
2 μs 5.0 V 2.2 V
4 SOURCE 1 V DC 1.3 V 4 GS/s 1 100.0 V 1 100.0 V

5-2 No Video (Analog PC Signal)

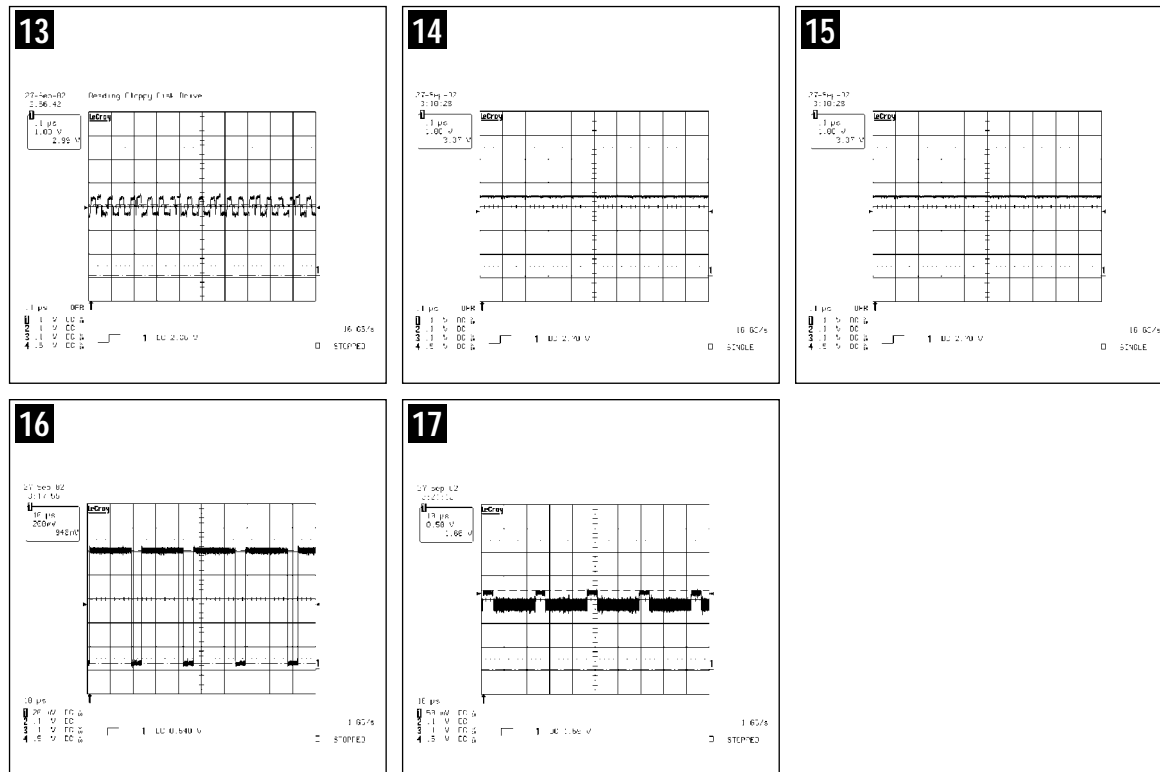




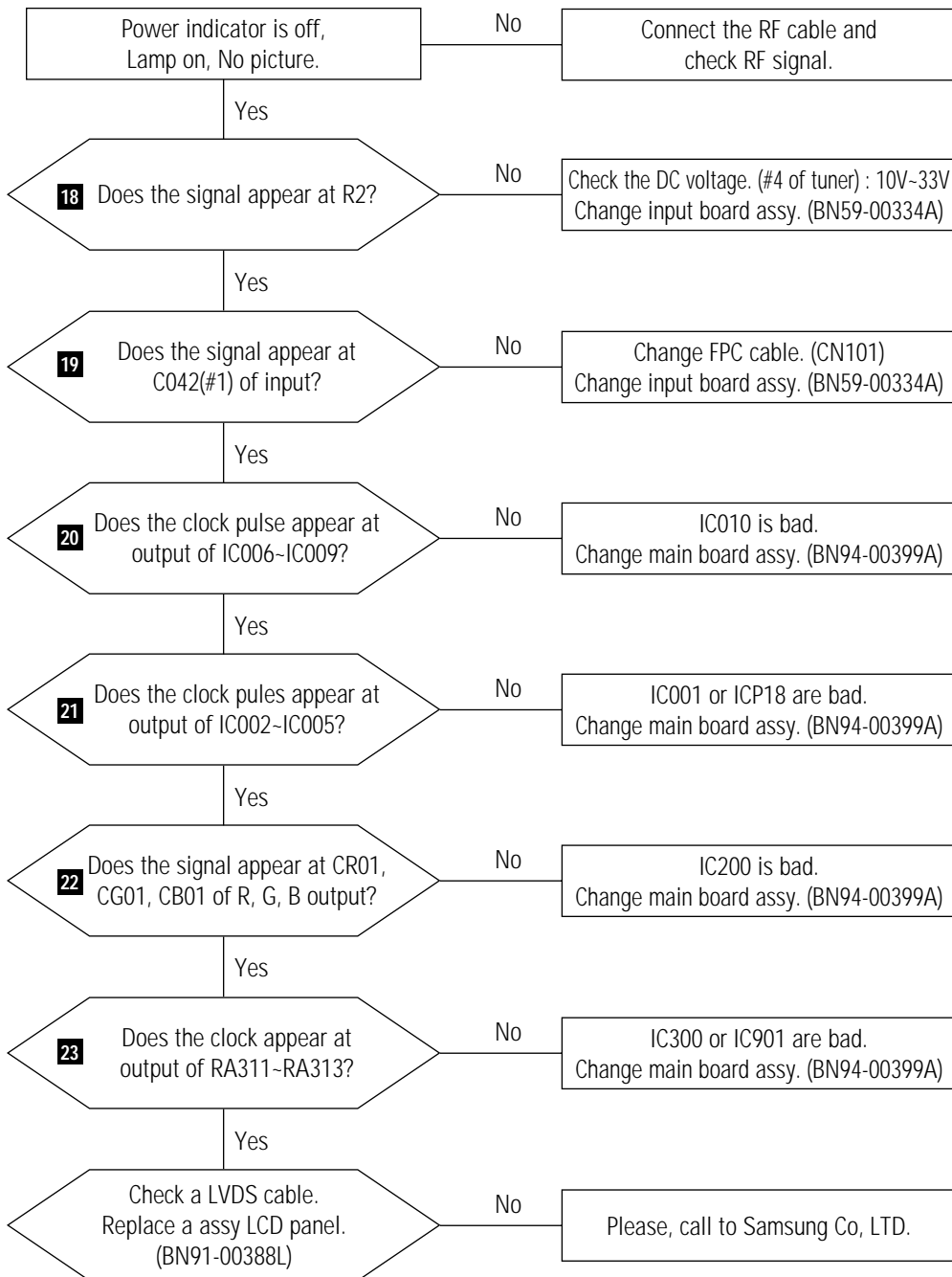
5-3 No Video (Digital PC Signal)



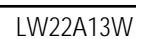
WAVEFORMS



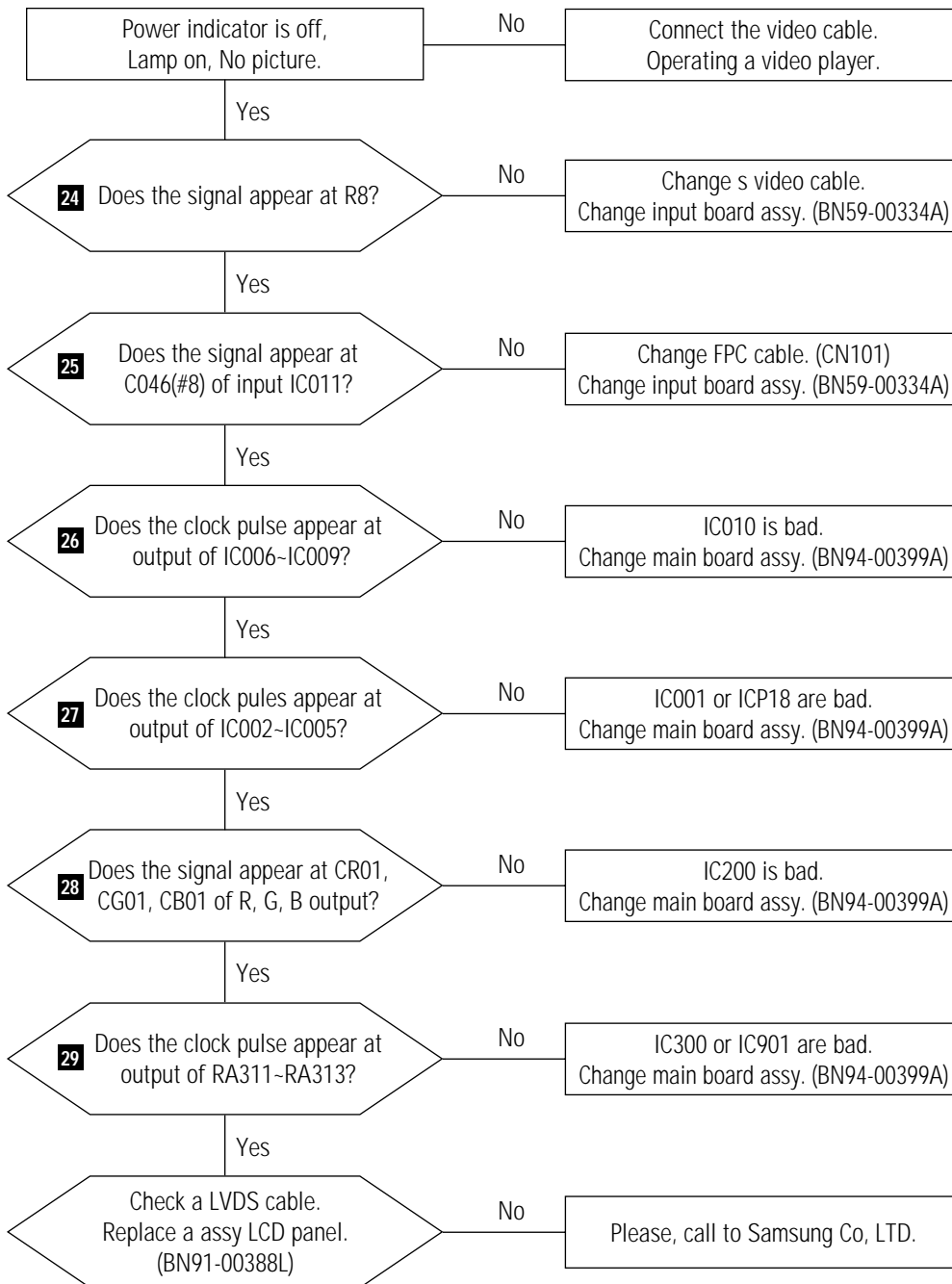
5-4 No Picture (Tuner_CVBS)



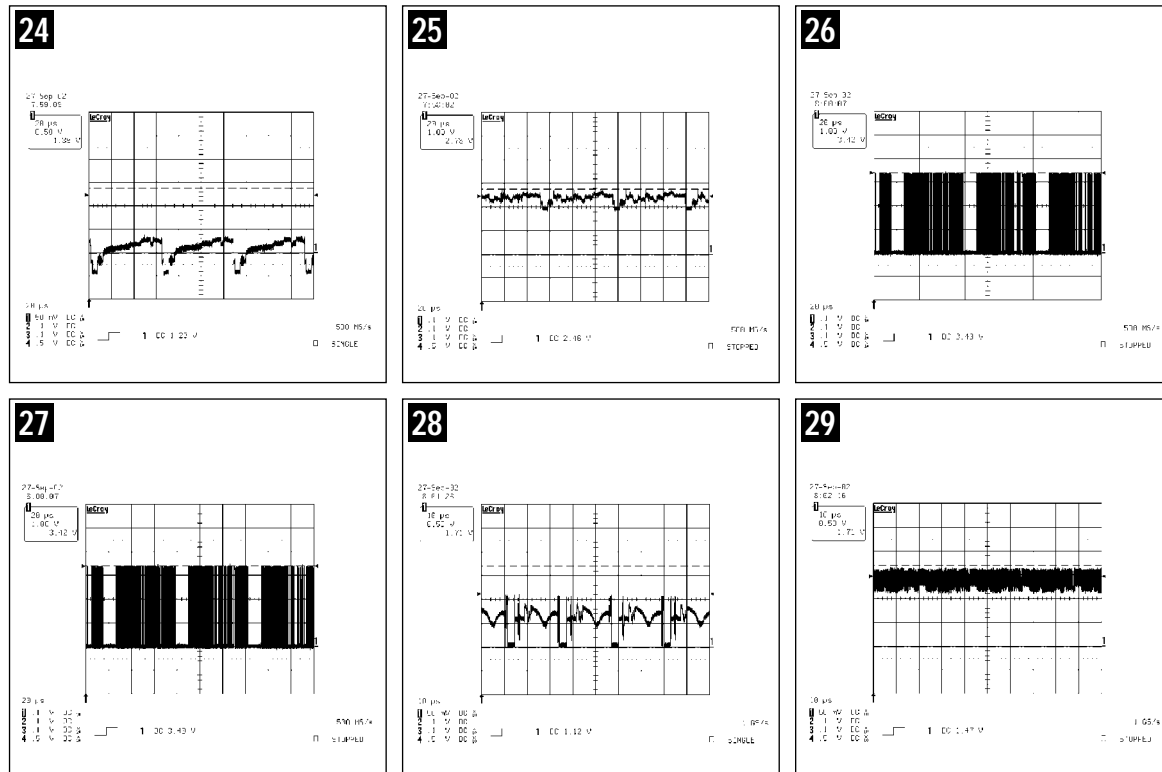
18



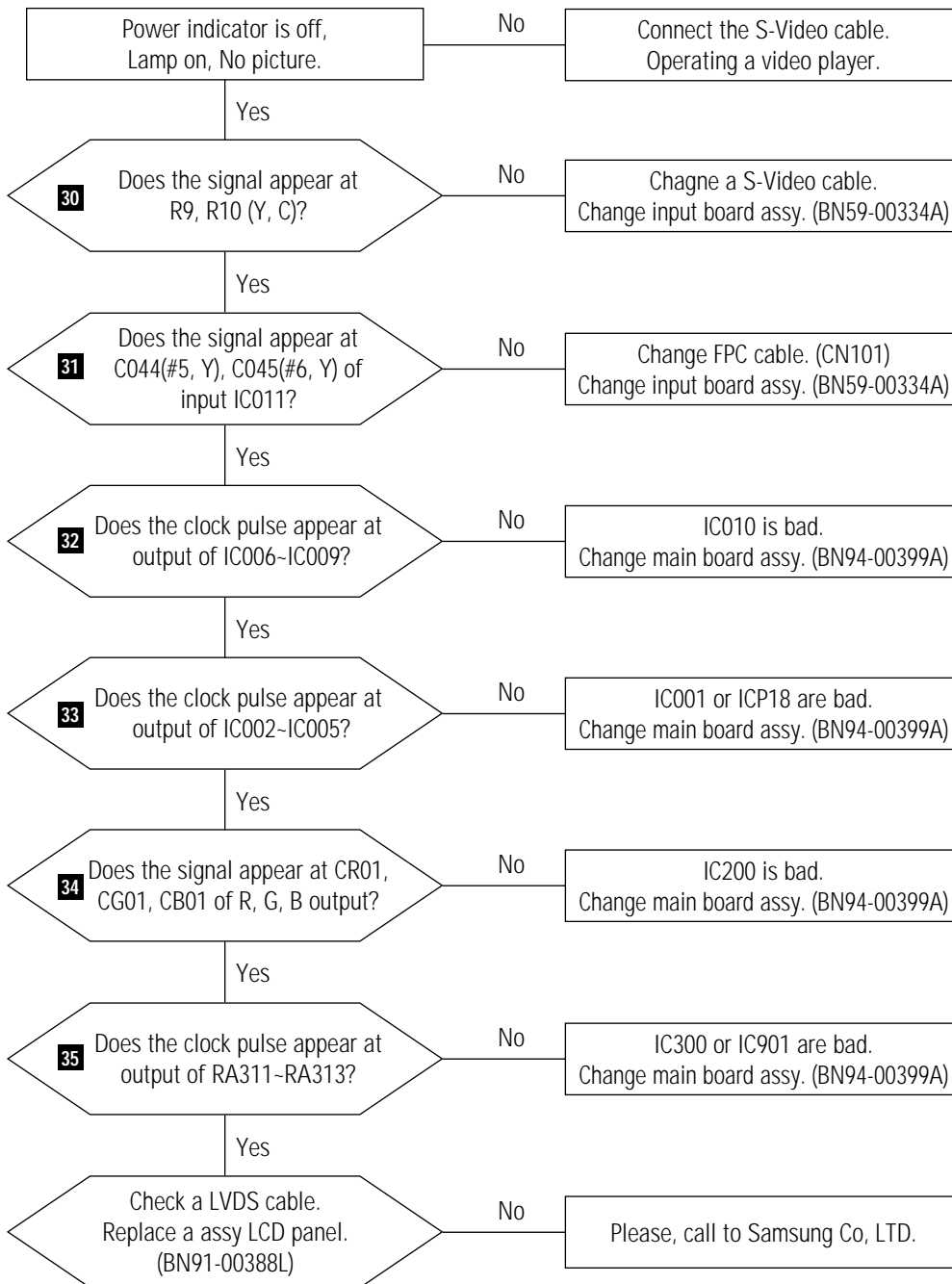
5-5 No Picture (Video_CVBS)



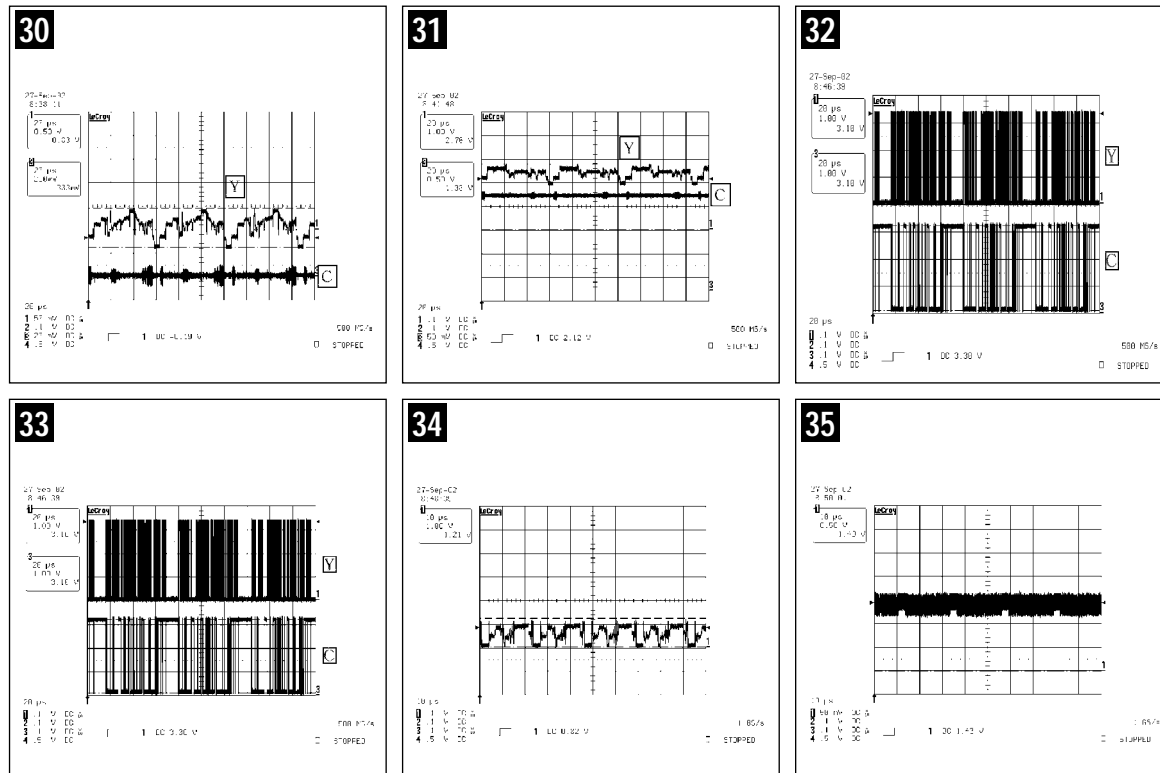
WAVEFORMS



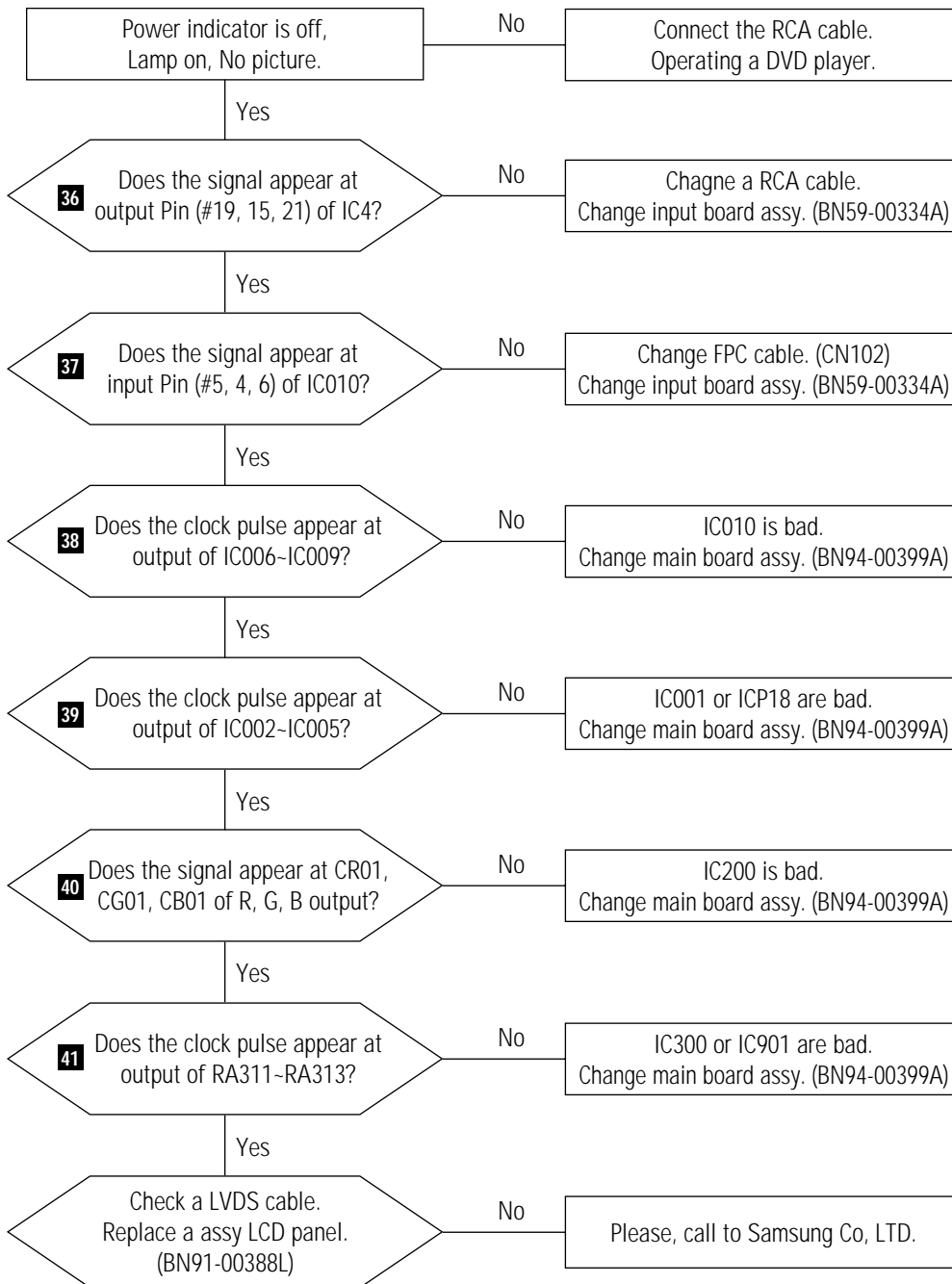
5-6 No Picture (S-Video_Y, C)



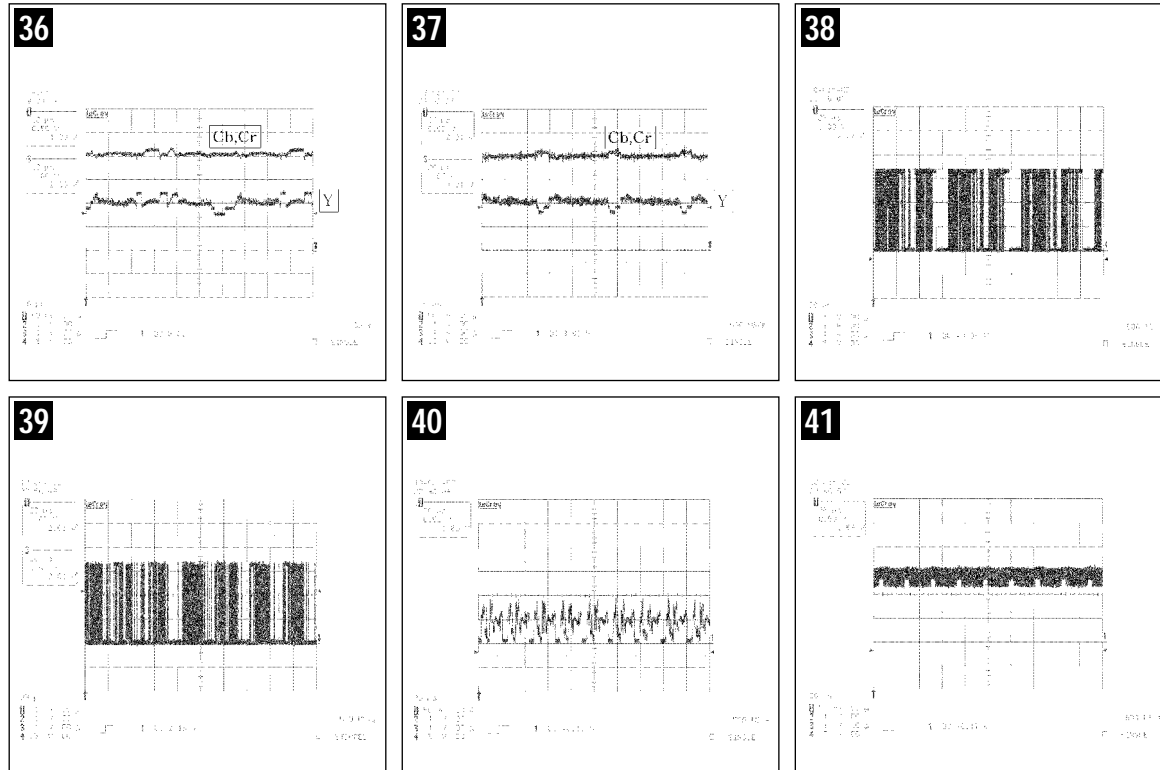
WAVEFORMS

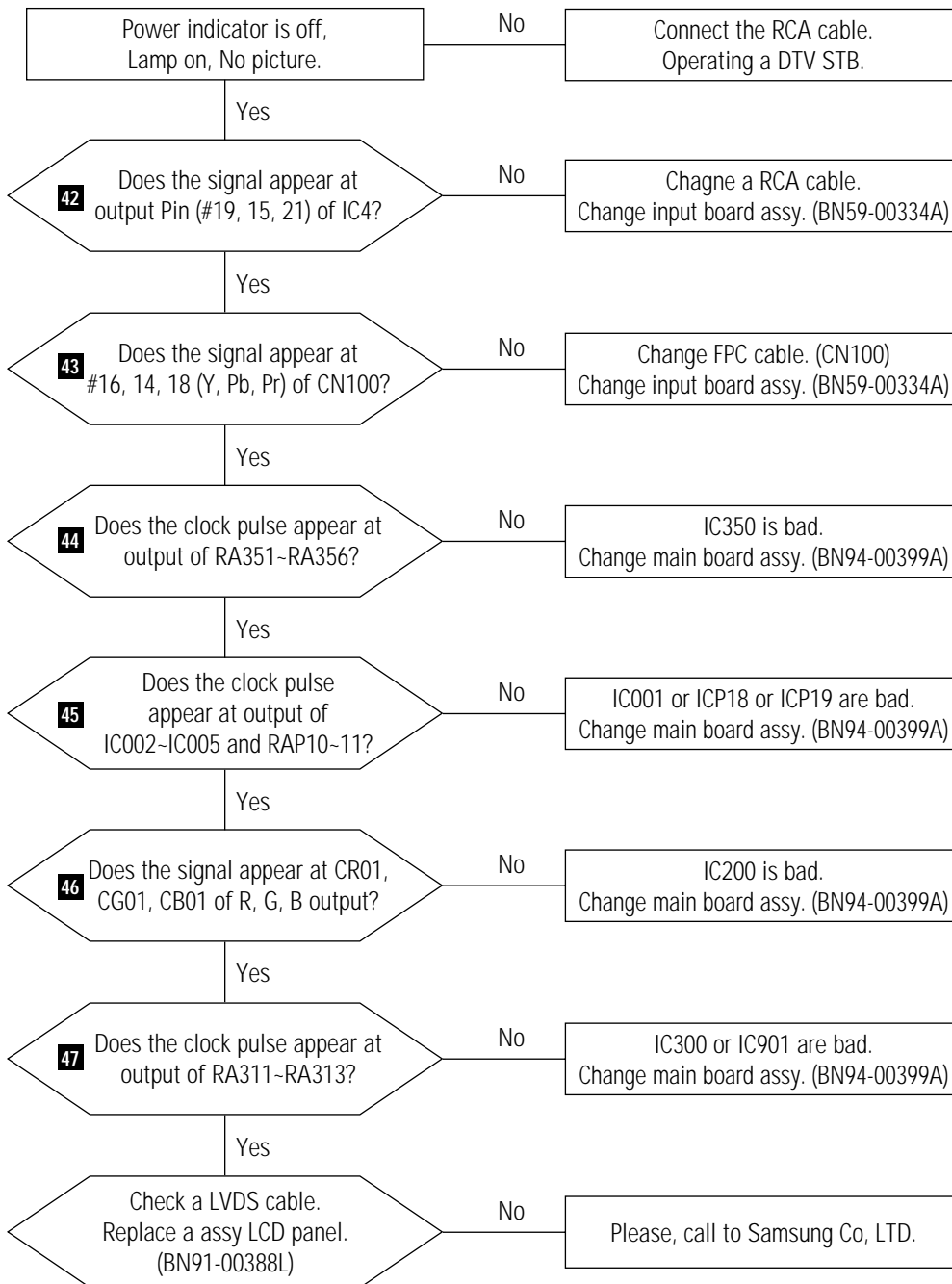


5-7 No Picture (Component1, 2 : 480 i [Y, Cb, Cr])

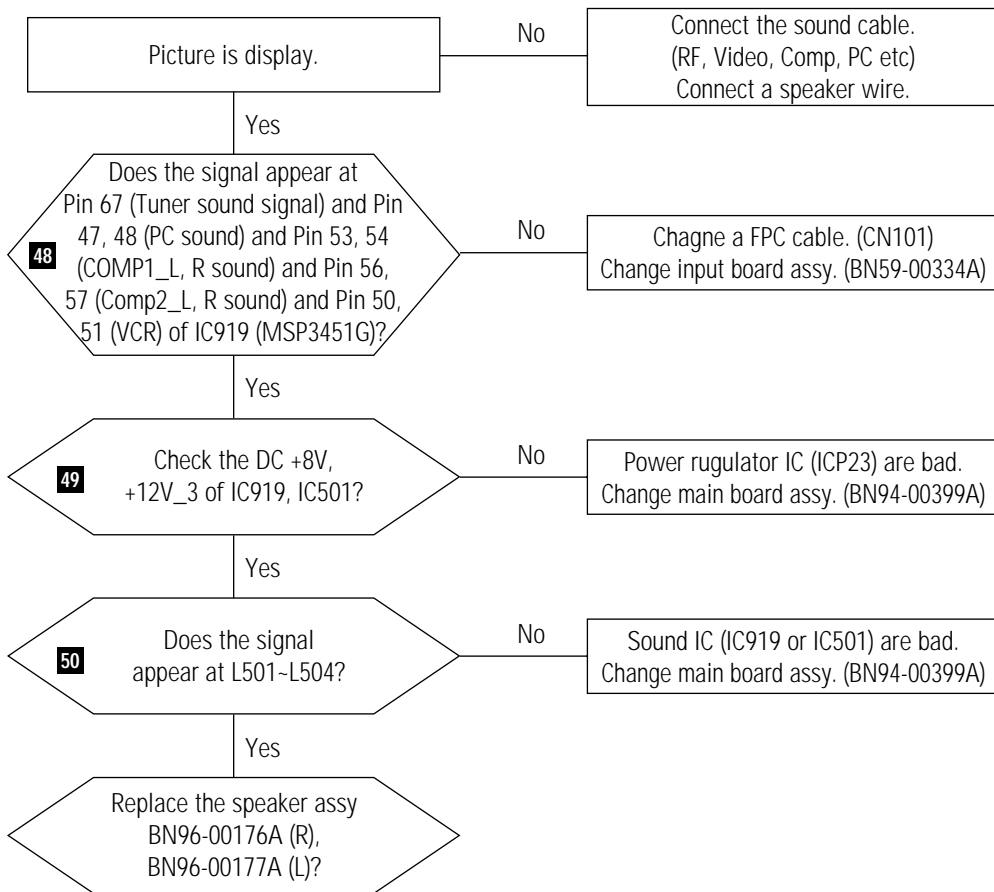


WAVEFORMS

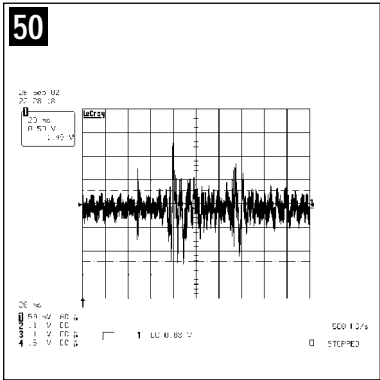
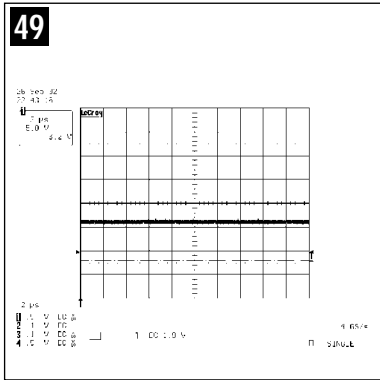
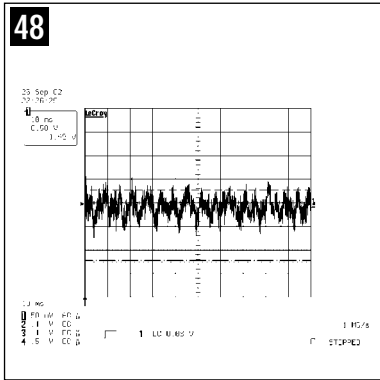


5-8 No Picture (Component1, 2 : 480p, 720p, 1080i [Y, Pb, Pr])

5-9 No Sound

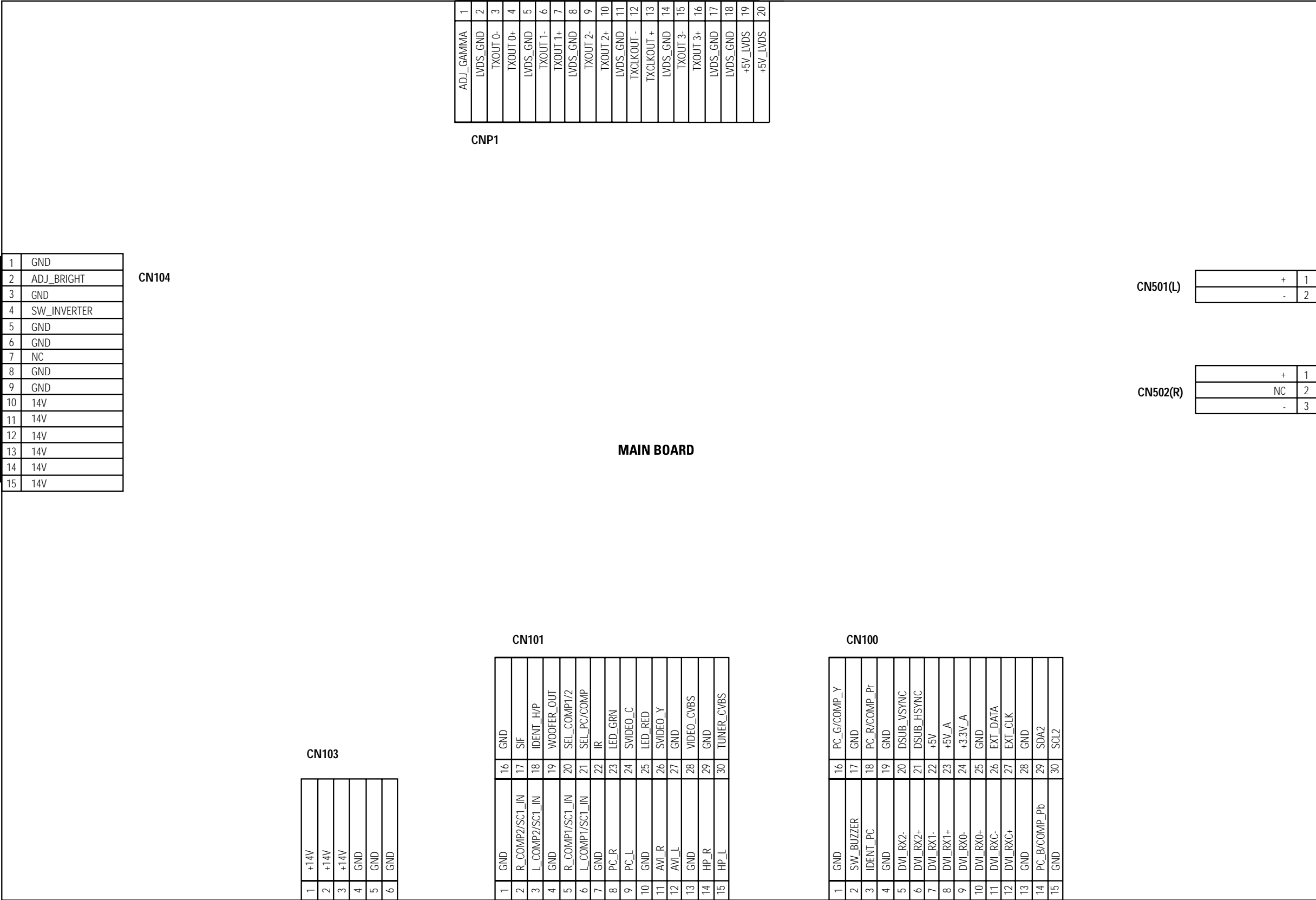


WAVEFORMS

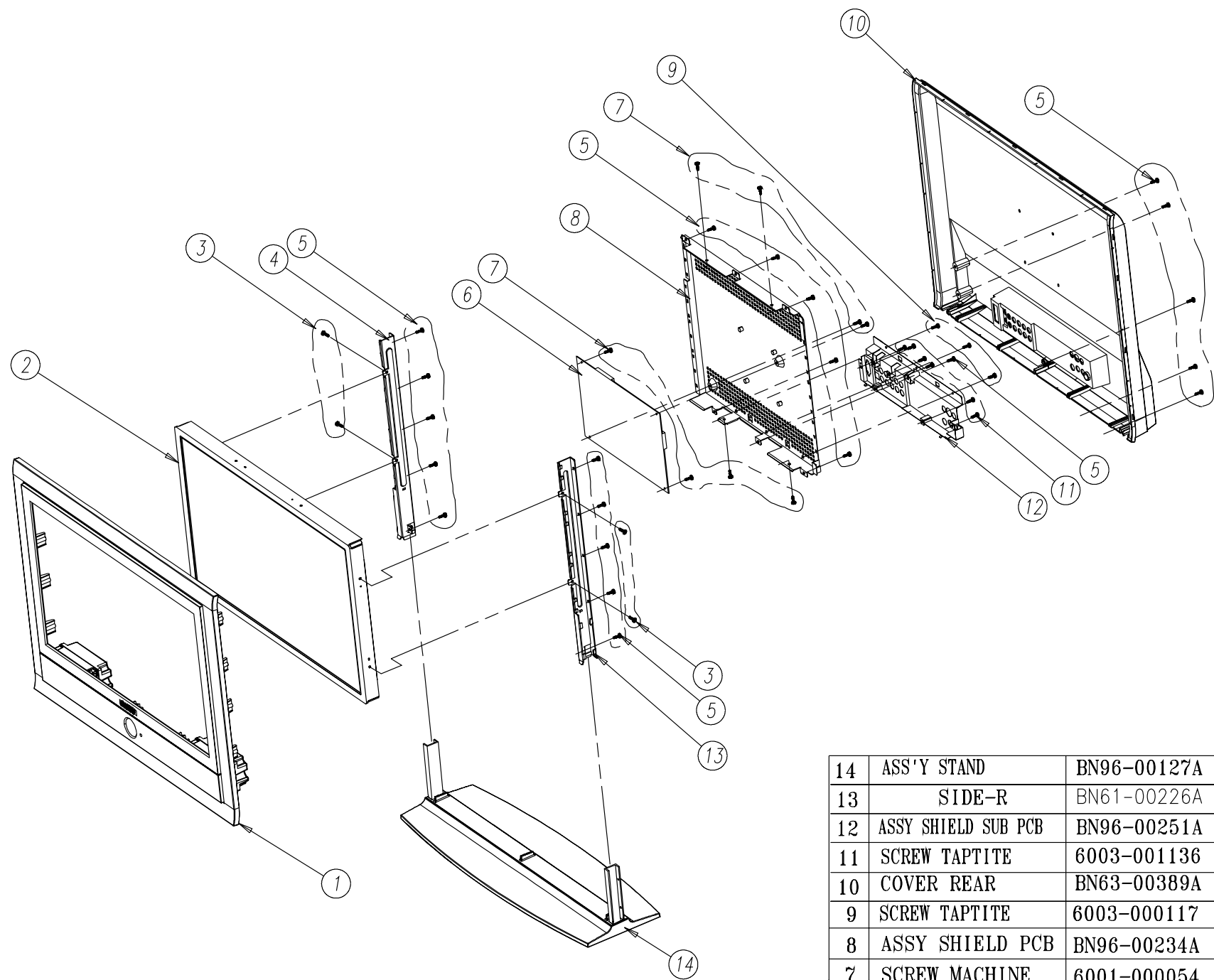


9 Wiring Diagram

9-1 Main PCB



6 Exploded View and Parts List



14	ASS'Y STAND	BN96-00127A/B/C/D	PD22E0/J0,K0/U0/LT22A13WVX
12	ASSY SHIELD SUB PCB	BN96-00251A/B/C	PD22K0,U0,S0/E0/J0,LT22A13WVX
10	COVER REAR	BN63-00389A/B/C/D/E/F	PD22K0/E0/J0/S0/U0/LT22A13WVX
8	ASSY SHIELD PCB	BN96-00234A/B	PD22K0,J0,U0,LT22A13WVX/S0,E0
1	ASS'Y COVER-FRONT	BN96-00128A/B/C/D/E/F	PD22K0/J0/U0/E0/S0/LT22A13WVX

14	ASS'Y STAND	BN96-00127A	ABS VO GR81	1	SA
13	SIDE-R	BN61-00226A	SECC T1.6	1	SNA
12	ASSY SHIELD SUB PCB	BN96-00251A	SPTE T0.3	1	SNA
11	SCREW TAPTITE	6003-001136	BH,+,B,M4,L8,ZPC(YEL)	6	SA
10	COVER REAR	BN63-00389A	ABS VO GR81	1	SNA
9	SCREW TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL)	3	SA
8	ASSY SHIELD PCB	BN96-00234A	SECC T1.0	1	SNA
7	SCREW MACHINE	6001-000054	PH,+,M3,L6,YEL	8	SA
6	MAIN PCB	-	POSEIDON22	1	-
5	SCREW TAPTITE	6003-000009	BH,+,B,M4,L16,ZPC(YEL)	21	SNA
4	BRKT SIDE-L	BN61-00227A	SECC T1.6	1	SNA
3	SCREW-MACHINE	6001-000137	BH,+,M3,L8,ZPC(YEL)	4	SA
2	PANEL	-	POSEIDON22	1	-
1	ASS'Y COVER-FRONT	BN96-00128A	ABS VO GR81	1	SNA
NO	PART NAME	CODE NO.	SPEC.	Q'TY	REMARK
UNIT PART LIST					

Memo