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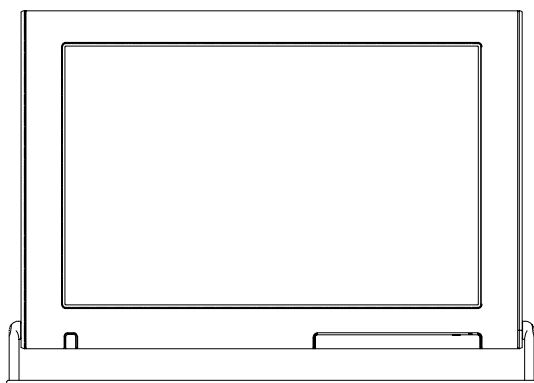
SAMSUNG

TFT-LCD MONITOR

RS21A*/RS24A*

SERVICE Manual

TFT-LCD MONITOR



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1 Precautions

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

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

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

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

WARNING:

Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (UL Publication UL1410, 59.7).

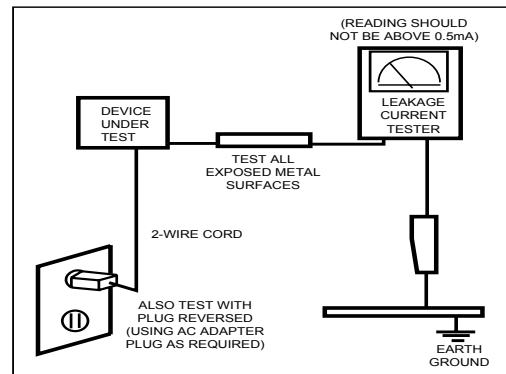


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

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

1-2 Servicing Precautions

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

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

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

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
 - (a) remove or reinstall any component or assembly,
 - (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

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

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

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

2 Product Specifications

2-1 Specifications

Item	Description	
	RS21A*	RS24A*
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, (21.3-Inch) viewable, 0.27 pixel pitch	TFT-LCD panel, RGB vertical stripe, normally black transmissive, (24.06-Inch) viewable, 0.27 pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 85 kHz (Analog) Vertical : 55 Hz ~ 85 Hz	
Display Colors	16,777,216 Million colors	
Maximum Resolution	Horizontal : 1600 Pixels Vertical : 1200 Pixels	1920 Pixels 1200 Pixels
Input Video Signal	Analog, 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V sync, Composite H/V, Sync-on-Green Level : TTL level	
Maximum Pixel Clock rate	162 MHz	193 MHz
Active Display Horizontal/Vertical	518.4 \pm 3 mm / 324 \pm 3 mm	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60~50 Hz \pm 3 Hz	
Power Consumption	110W (max)	120W (max)
Dimensions Unit (W x D x H) Carton (W x D x H)	25.98 x 8.38 x 18.58 Inches (568.5 x 213 x 472 mm) 30.55 x 24.01 x 13.62 Inches (687 x 608 x 340 mm)	25.98 x 8.38 x 18.58 Inches (660 x 213 x 472 mm) 30.55 x 24.01 x 13.62 Inches (776 x 610 x 346 mm)
Weight (Net / Gross)	10.0 kg (26.78 lbs) / 20.2 kg (49.6 lbs)	12.15 kg (26.78 lbs) / 22.5 kg (49.6 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	Tunning	Frequency Synthesize
	Color	PAL, SECAM
	Sound	NICAM, A2 STEREO
Antena Input	75 Ω , Coaxial Cable	
Sound Characteristics	<ul style="list-style-type: none">•Max Internal speaker Out : Right \leq 5 W / Left\leq 5 W•Bass control Range : -6 \pm 2dB ~ +6 \pm 2dB•TREBLE control Range : -10 \pm 2dB ~ +10 \pm 2dB•Output frequency : RF\leq 80 Hz~15 KHz / A/V\leq 80 Hz~20 KHz•Line out : RF\leq 80 Hz~15 KHz / A/V\leq 80 Hz~20 KHz	
<ul style="list-style-type: none">•SyncMaster RS21A*/RS24A* comply with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.•Designs and specifications are subject to change without prior notice.		

2-2 Pin Assignments

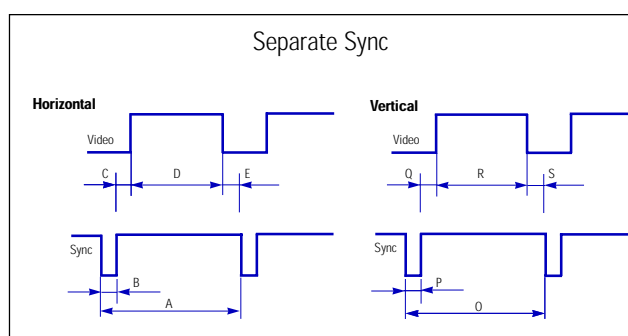
<div><div></div><div>Pin No.</div></div>	Sync Type	15-Pin Signal Cable Connector		
		Separate	Composite	Sync-on-green
1		Red	Red	Red
2		Green	Green	Green + H/V Sync.
3		Blue	Blue	Blue
4		GND	GND	GND
5		GND (DDC Return)	GND (DDC Return)	GND (DDC Return)
6		GND-Red	GND-Red	GND-Red
7		GND-Green	GND-Green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

2-3 Timing Chart

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

Table 2-1 Timing Chart

Mode Timing	VGA3/60 Hz 640 x 480	VGA/72 Hz 640 x 480	VGA/75 Hz 640 x 480	VGA/85 Hz 640 x 480	MAC/60 Hz 640 x 480	MAC/66 Hz 640 x 480	SVGA/56 Hz 800 x 600	SVGA/60 Hz 800 x 600	SVGA/72 Hz 800 x 600
fH (kHz)	31.5	37.9	37.5	43.3	31.5	35.0	35.2	37.9	48.1
A μ sec	800	832	840	832	800	864	1024	1056	1040
B μ sec	96	40	64	56	96	64	72	128	120
C μ sec	40	120	120	80	48	96	128	88	64
D μ sec	640	640	640	640	640	640	800	800	800
E μ sec	8	16	16	56	16	64	24	40	56
fV (Hz)	60.0	72.8	75.0	85.0	60.0	66.7	56.3	60.3	72.2
O msec	525	520	500	509	525	525	625	628	666
P msec	2	3	3	3	2	3	2	4	6
Q msec	25	20	16	25	33	39	22	23	23
R msec	480	480	480	480	480	480	600	600	600
S msec	2	1	1	1	10	3	1	1	37
Clock Freq. (MHz)	25.175	31.500	31.500	36.000	25.175	30.240	36.000	40.000	50.000
Polarity H.Sync	Negative	Negative	Negative	Negative	Negative	Negative	-/+	Positive	Positive
V.Sync	Negative	Negative	Negative	Negative	Negative	Negative	-/+	Positive	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total

B : Horizontal sync width

O : Frame time total

P : Vertical sync width

C : Back porch

D : Active time

Q : Back porch

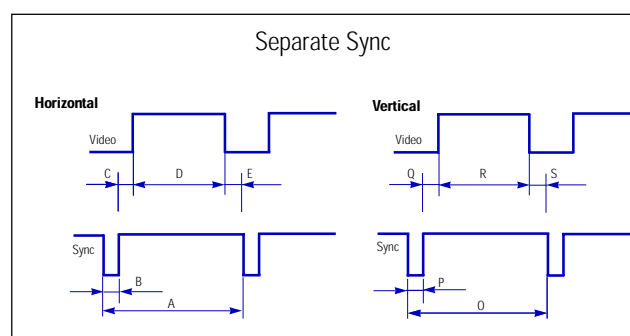
R : Active time

E : Front porch

S : Front porch

Table 2-2 Timing Chart (continued)

Mode	SVGA/75 Hz	SVGA/85 Hz	MAC/74 Hz	XGA/60 Hz	XGA/70 Hz	XGA/75 Hz	XGA/85 Hz	MAC/60 Hz	MAC/74 Hz	VESA/75 Hz	MAC/75 Hz
Timing	800 x 600	800 x 600	832 x 624	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1152 x 864	1152 x 870
fH (kHz)	46.9	53.7	49.7	48.4	56.5	60.0	68.7	48.8	60.2	67.5	68.7
A μ sec	1056	1048	1152	1344	1328	1312	1376	1312	1328	1600	1456
B μ sec	80	64	64	136	136	96	96	96	96	128	128
C μ sec	160	152	224	160	144	176	208	128	176	256	144
D μ sec	800	800	832	1024	1024	1024	1024	1024	1024	1152	1152
E μ sec	16	32	32	24	24	16	48	64	32	64	32
fV (Hz)	75.0	85.1	74.6	60.0	70.1	75.0	85.0	60.0	74.9	75.0	75.1
O msec	625	631	667	806	806	800	808	813	804	900	915
P msec	3	3	3	6	6	3	3	6	3	3	3
Q msec	21	27	39	29	29	28	36	33	30	32	39
R msec	600	600	624	768	768	768	768	768	768	864	870
S msec	1	1	1	3	3	1	1	6	3	1	3
Clock Freq. (MHz)	49.500	56.250	57.284	65.000	75.000	78.750	94.500	64.000	80.000	108.000	100.000
Polarity H.Sync	Positive	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Negative
V.Sync	Positive	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Negative
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total

B : Horizontal sync width

O : Frame time total

P : Vertical sync width

C : Back porch

D : Active time

Q : Back porch

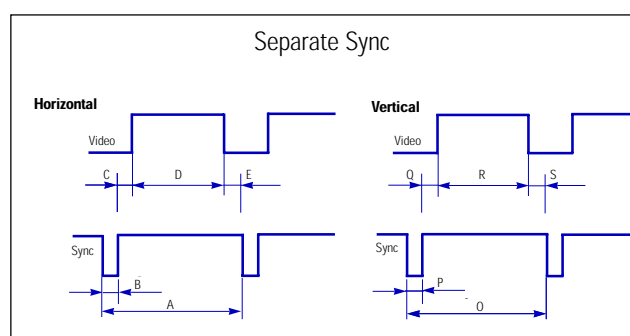
R : Active time

E : Front porch

S : Front porch

Table 2-3 Timing Chart (continued)

Mode Timing	SUN/66 Hz 1152 x 900	SUN/76 Hz 1152 x 900	SXGA/60 Hz 1280 x 1024	NCD/70 Hz 1280 x 1024	HP/72 Hz 1280 x 1024	SXGA/75 Hz 1280 x 1024	SUN/76 Hz 1280 x 1024
fH (kHz)	61.8	71.7	64.0	74.4	78.1	80.0	81.1
A μ sec	1528	1472	1688	1680	1728	1688	1664
B μ sec	128	96	112	160	192	144	64
C μ sec	208	208	248	208	192	248	288
D μ sec	1152	1152	1280	1280	1280	1280	1280
E μ sec	40	16	48	32	64	16	32
fV (Hz)	66.0	76.0	60.0	70.0	72.0	75.0	76.1
O msec	937	943	1066	1063	1085	1066	1066
P msec	4	8	3	3	3	3	8
Q msec	31	33	38	36	55	38	32
R msec	900	900	1024	1024	1024	1024	1024
S msec	2	2	1	0	3	1	2
Clock Frequency (MHz)	94.500	105.561	108.000	125.000	135.000	135.000	135.000
Polarity H.Sync	-/+	Negative	Positive	Negative	Negative	Positive	Negative
V.Sync	-/+	Negative	Positive	Negative	Negative	Positive	Negative
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total

B : Horizontal sync width

O : Frame time total

P : Vertical sync width

C : Back porch

D : Active time

Q : Back porch

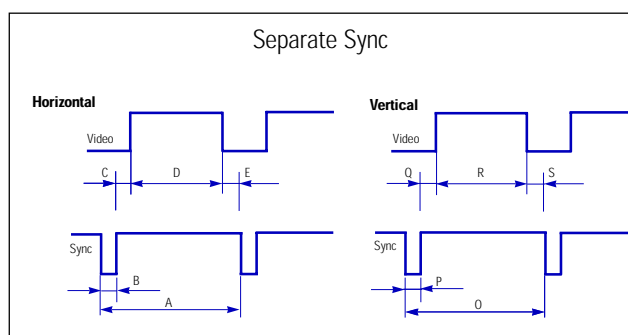
R : Active time

E : Front porch

S : Front porch

Table 2-4 Timing Chart (continued)

Mode Timing	UXGA/60Hz 1600 x 1200	UXGA/65Hz 1600 x 1200	UXGA/70Hz 1600 x 1200	NCD/64Hz 1600 x 1200	SUN/66 Hz 1600 x 1200	WUXGA2/60 Hz 1920 x 1200
fH (kHz)	75	81.25	87.5	80.038	89.286	74.52
A μ sec	2160	2160	2160	2124	2240	2592
B μ sec	192	192	192	160	256	208
C μ sec	304	304	304	308	368	336
D μ sec	1600	1600	1600	1600	1600	1920
E μ sec	64	64	64	56	16	128
fV (Hz)	60	65	70	64.443	66.931	60
O msec	1250	1250	1250	1242	1334	1242
P msec	3	3	3	3	10	3
Q msec	46	46	46	38	44	38
R msec	1200	1200	1200	1200	1200	1200
S msec	1	1	1	1	80	1
Clock Frequency (MHz)	162.000	175.500	189.000	170.000	200.000	193.156
Polarity H.Sync	-/+	-/+	-/+	-/+	-/+	Negative
V.Sync	-/+	-/+	-/+	-/+	-/+	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate



A : Line time total

B : Horizontal sync width

O : Frame time total

P : Vertical sync width

C : Back porch

D : Active time

Q : Back porch

R : Active time

E : Front porch

S : Front porch

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the RS21A*/RS24A* 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.

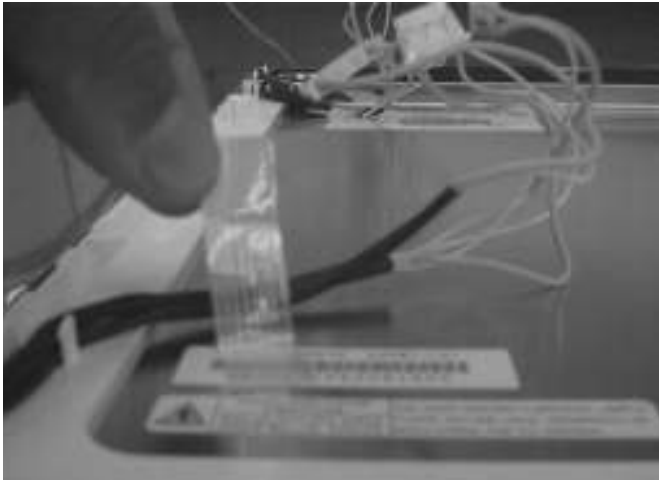
3-1-1 Removing the Stand

1. Disconnect power cord and signal cable.
2. Remove 2 screws and bushing on the each side of stand.

3-1-2 Main Body Disassembly

1. Remove the tuner-box.
2. Remove 3 cap-screw and screws on the Rear Cover.
3. Remove Rear Cover from the Front Cover.
4. Remove 1 screw on the PCB and remove the tuner-guide.
5. Remove 9 screws on the shield and remove the shield.
6. Disconnect Inverter wire, Function PCB wire, Audio wire, Interface wire, and IR sensor wire . Remove 6 screws on the main PCB and 4 screws on the Inverter PCB.
7. Remove the main PCB Assembly and Inverter PCB.
8. Remove 4 screws on the Rear Panel Bracket.
9. Remove the Bracket Assembly from the Front Cover.
10. Remove 4 screws on the panel and then remove the panel.
11. Remove 8 screws on the Bracket Hinge.
12. Remove the Braket Hinge.

3-2 Replacement Order of Lamp Assemblies



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

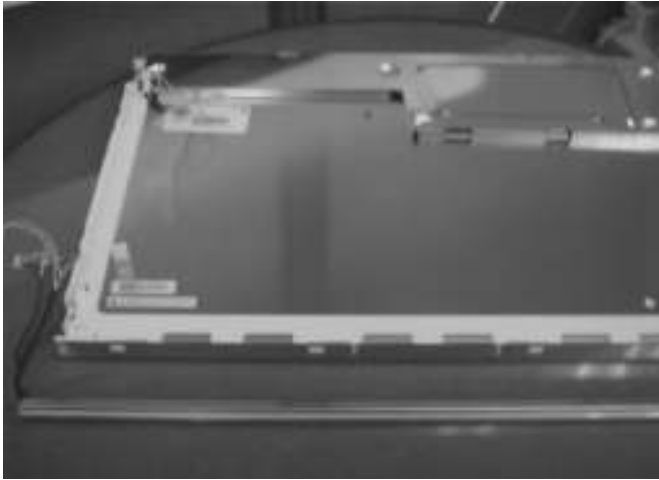
1-1. Taking out the lamp wire from the lamp wire holder.



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



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



4. Dis-Assembled the lamp Ass'y from LCD completely.

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

3-3 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

Memo

4 Alignments and Adjustments

This section of the service manual explains how to use the DDC JIG to adjust the black, red, green, and blue levels of the FPD when you replace the AD Board, and how to update the microprocessor when you change the Panel or Lamp(s).

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 DC 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 transform.

4-2 Adjustment Procedures

Use the following procedures whenever you replace the AD Board, Panel, or one or both of the Lamps.

4-2-1 (a) Color Auto Adjustment

1. After displaying 16-Gray pattern of XGA mode press channel “+”, “-”, and “menu” buttons.
2. During normal execution of Auto Algorithm the screen image may change. If Auto Algorithm does not execute properly, try one more.
3. After normal execution of Auto Algorithm, confirm optimal settings by observing the contrast of several different patterns on the display.

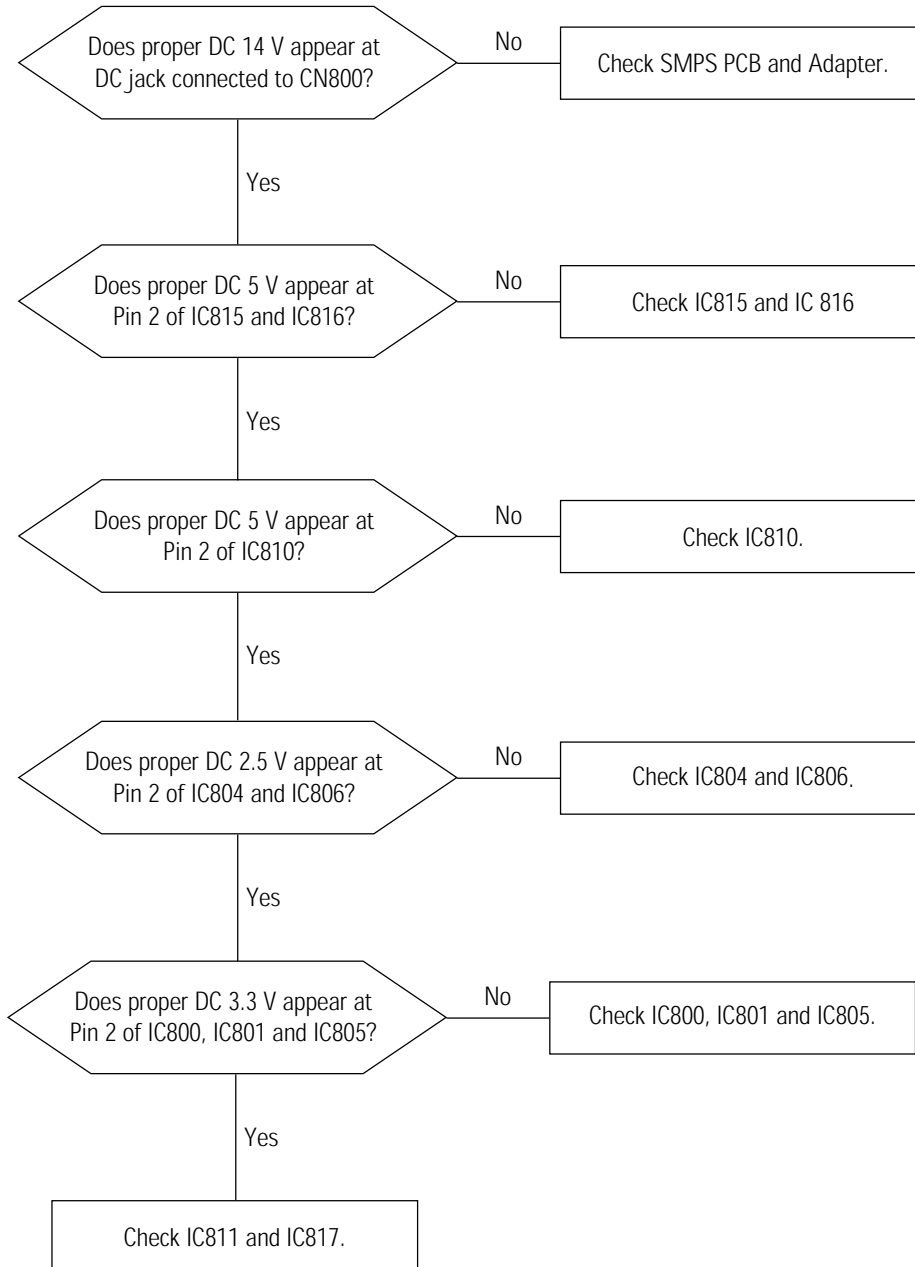
4-2-2 (b) White Balance Adjustment

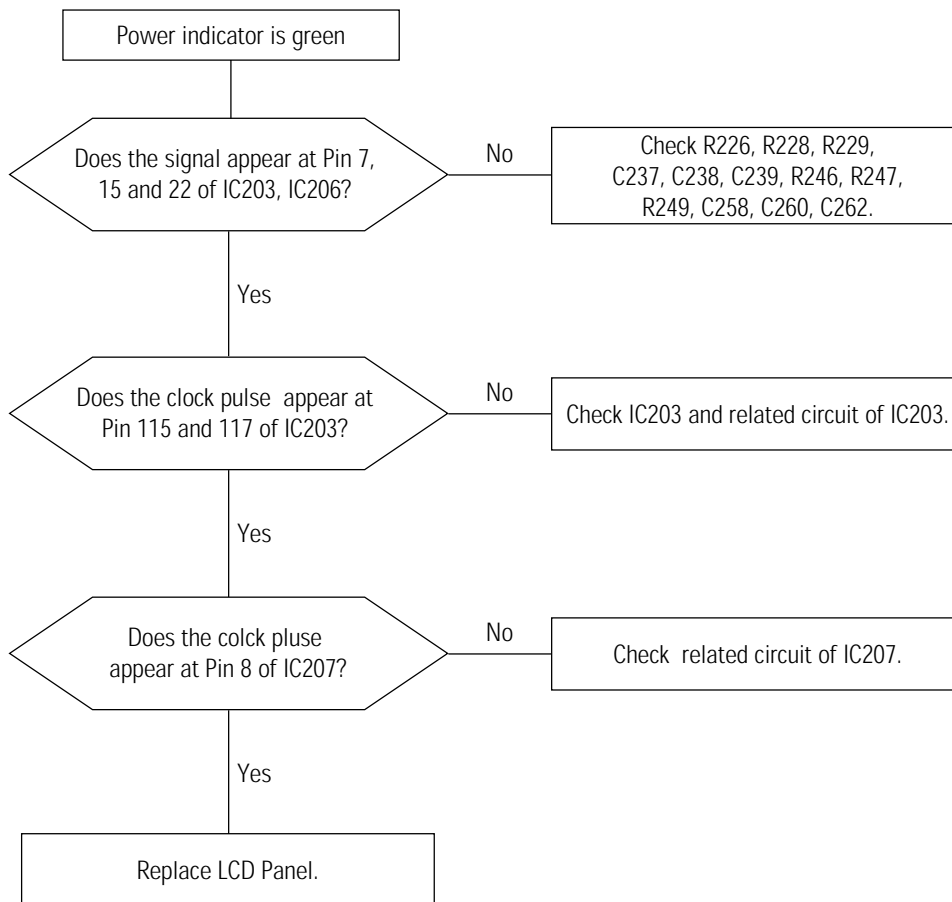
1. After displaying white pattern (on the WUXGA mode), press channel “+”, “-” and “Exit” buttons.
2. During normal execution of white balance the screen, image may change.

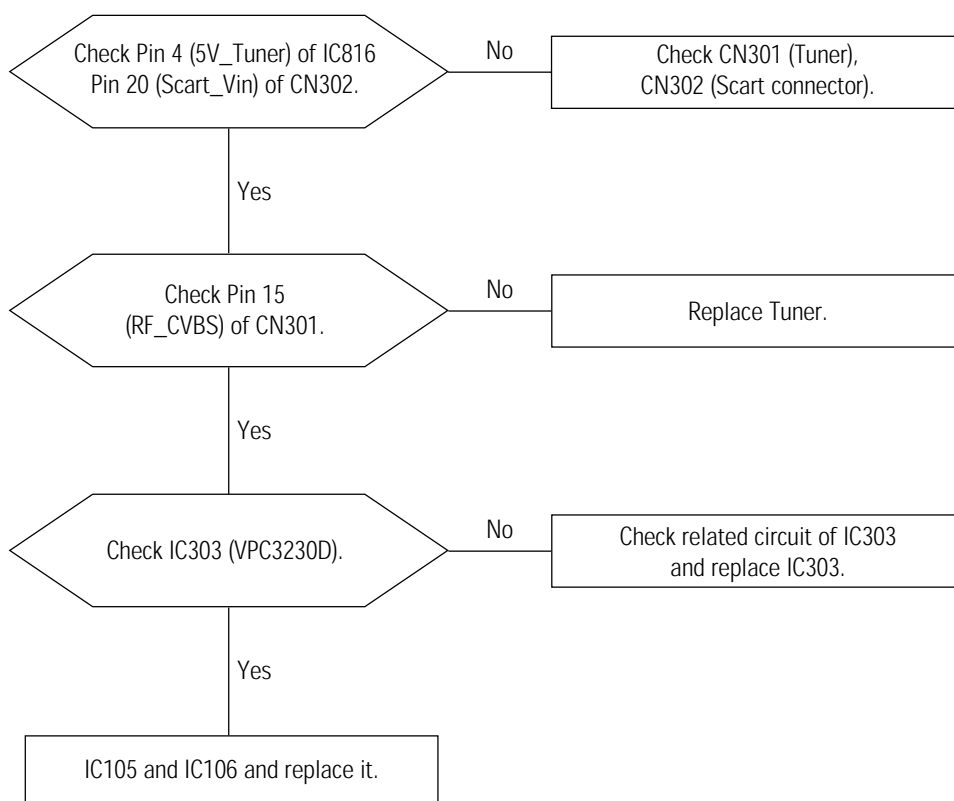
Memo

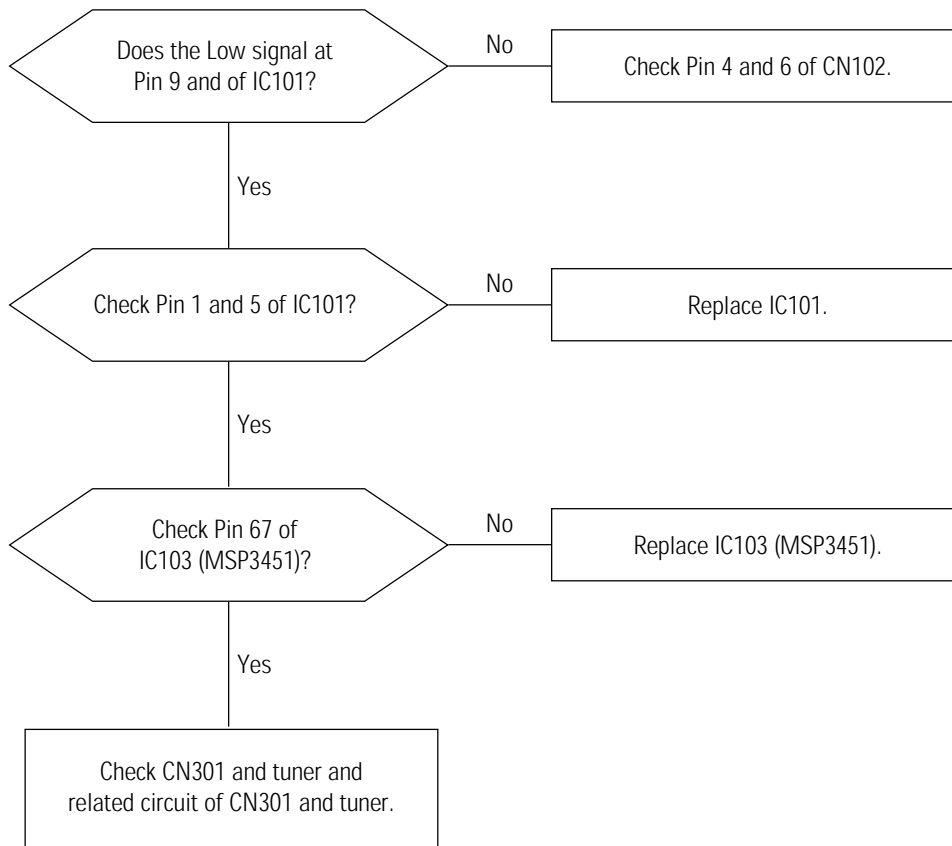
5 Troubleshooting

5-1 No Power



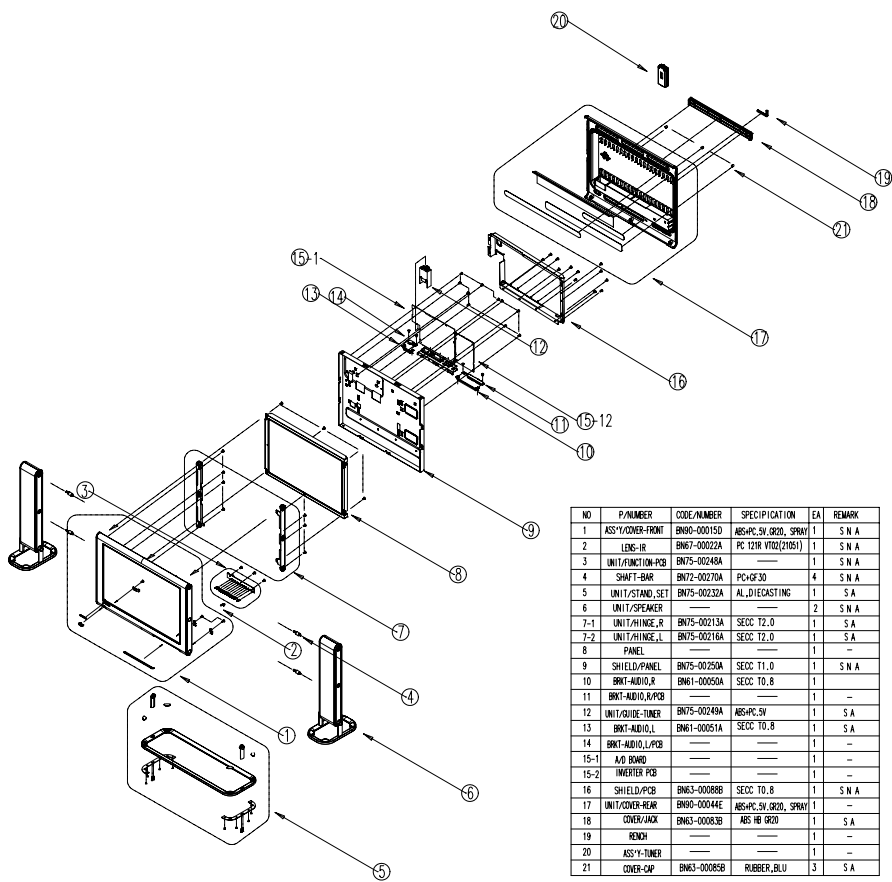
5-2 No Video (PC Analog Signal)

5-3 No Picture (CVBS, S-VHS, Scart Video)

5-4 No Sound

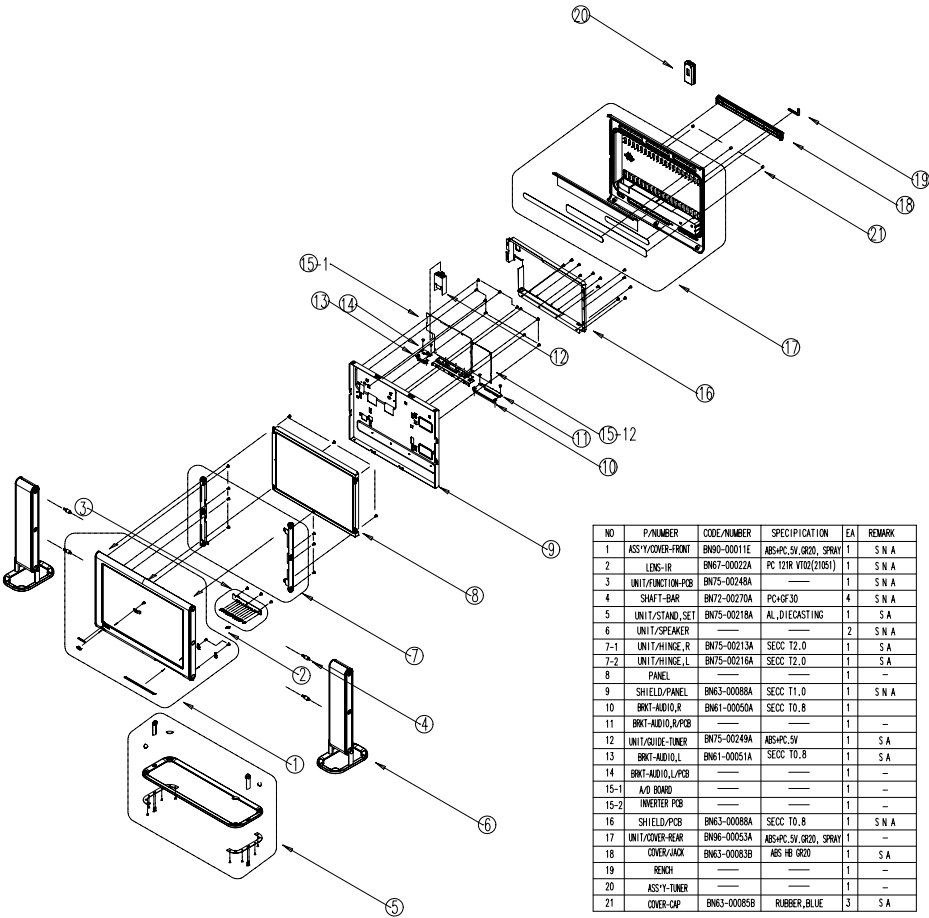
6 Exploded View and Parts List

6-1 RS21A*



6-2 RS24A*

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NO	P/NUMBER	CODE/NUMBER	SPECIFICATION	EA	REMARK
1	ASS'Y/COVER-FRONT	BN60-00011E	ABS+PC,SV,GR20, SPRAY	1	S N A
2	ENG-IR	BN67-00022A	PC 121R VT02(21051)	1	S N A
3	UNIT/FUNCTION-PCB	BN75-00248A	---	1	S N A
4	SHUTT-BAR	BN75-00270A	PC+GF30	4	S N A
5	UNIT/STAND, SET	BN75-00218A	AL, DIECASTING	1	S N A
6	UNIT/SPEAKER	---	---	2	S N A
7-1	UNIT/HINGE, R	BN75-00213A	SECC T2, 0	1	S A
7-2	UNIT/HINGE, L	BN75-00216A	SECC T2, 0	1	S A
8	PANEL	---	---	1	---
9	SHIELD/PANEL	BN63-00088A	SECC T1, 0	1	S N A
10	BRKT-AUDIO, R	BN61-00050A	SECC TO, 8	1	---
11	BRKT-AUDIO, L	---	---	1	---
12	UNIT/GUIDE-TUNER	BN75-00248A	ABS+PC,SV	1	S A
13	BRKT-AUDIO, L	BN61-00051A	SECC TO, 8	1	S A
14	BRKT-AUDIO, L	---	---	1	---
15-1	A/D BOARD	---	---	1	---
15-2	INVERTER PCB	---	---	1	---
16	SHIELD/PCB	BN63-00088A	SECC TO, 8	1	S N A
17	UNIT/COVER-REAR	BN66-00053A	ABS+PC,SV,GR20, SPRAY	1	---
18	COVER/JACK	BN63-00061B	ABS HB GR20	1	S A
19	RENCI	---	---	1	---
20	ASS'Y-TUNER	---	---	1	---
21	COVER-CAP	BN63-00055B	RUBBER, BLUE	3	S A

Item No	Design LOC	품 명	Spec	SERVICE
LW24R15WX/XEC				
SL-LW24R15WX/XEC	-	1	SEC, W1-L01	-
BN90-00230A	-	ASSY STAND	RS24NS	SNA
6011-001443	STAND+B/HINGE	BOLT-SOCKET	M8, L24(19), ZPC(BLK), SWRCH18A	SNA
BN75-00218A	CIS	UNIT-STAND-SET	RU24NS, -, AL DIECASTING, -, -, -, -	
6001-001114	CIS	SCREW-MACHINE	FH, +, M4, L6, ZPC(BLK), SWRCH18A, FP	SNA
6001-001551	CIS	SCREW-MACHINE	FH, +, M4, L20, ZPC(BLK), SWRCH18A, FP	
BH73-60339A	CIS	RUBBER-LEG	SLC1400, EVA, GRAY, 65HB, DIA13*H2	SNA
BN61-00061A	CIS	BRACKET-STAND	RU24NS, SECC, T2. 0, -, -, -, -	SNA
BN67-00025A	CIS	STAND RACK-BASE	RU24NS, -, -, -, -, -	SNA
BN67-00026A	CIS	STAND RACK-SUPPORT	RU24NS, -, -, -, -, -	SNA
BN73-00016A	CIS	RUBBER-COVER	RU24NS, SILICON, -, -, -, -, -, -, -	SNA
BN90-00307A	-	ASSY COVER FRONT	RS24AS	SNA
6003-000122	C/F+C/R	SCREW-TAPTITE	BH, +, B, M4, L12, ZPC(YEL), SWRCH18	
BN90-00011E	CIS	ASSY COVER FRONT	RU24NS/RU24AS, -, ABS HB, -, GR20, -, -, PAL(TV)	
6003-000259	CIS	SCREW-TAPTITE	BH, +, B, M3, L8, ZPC(YEL), SWRCH18A	SNA
6003-000276	CIS	SCREW-TAPTITE	BH, +, B, M3, L10, ZPC(YEL), SWCH10	SNA
BN59-00243A	CIS	BOARD-IR	RS24NS, CT1000-0170, -, IR-BOARD, -, -, RUBENS	SNA
BN59-00244A	CIS	BOARD-FUNCTION	RS24NS, CT1000-0140, -, FUNCTION BOARD, -, -, RUBENS	SNA
BN61-00047A	CIS	BRACKET DOOR-SPRING	RU24NS, SUS, TO. 3, -, -, -, -	SNA
BN63-00076A	CIS	COVER-FRONT	RU24NS, ABS +PC 5V, -, -, -, -, GR20, -	SNA
BN63-00077A	CIS	COVER DOOR-FRONT	RU24NS, ABS HB, -, -, -, -, BL20, -	SNA
BN64-00041A	CIS	KNOB-FUNCTION	RU24NS, ABS HB, -, -, -, -, GR20, -, -	SNA
BN64-00050B	CIS	BADGE	241MP, A1050P-H18, T1. 4, W7. 6, L45(45.5), FLAT, BLK, GONISH WF722	SNA
BN67-00022A	CIS	LENS-IR	RU24NS, PC, BLK CLR, -, -, -, -	SNA
BN67-00023A	CIS	LENS-LED	RU24NS, ACRYL, -, -, -, -, -	SNA
BN75-00213A	CIS	UNIT-HINGE, R	RU24NS, -, SECC T2. 0, -, -, -, -, -	SNA
BN75-00216A	CIS	UNIT-HINGE-L	RU24NS, -, SECC T2. 0, -, -, -, -, -	SNA
BN90-00308A	-	ASSY COVER REAR	RS24AS	SNA
BN63-00083B	CIS	COVER-JACK	RU24NS, ABS HB, BL20 SPRAY : GR-806P	SNA
BN63-00085B	CIS	COVER-CAP	RU24NS, RUBBER, SVM-1148	SNA
BN96-00053A	CIS	ASSY COVER P-REAR	RS24*, ABS+PC 5V, ABS 5V, GR20, GR-806P, SWM-1148	
BN63-00078A	CIS	COVER-REAR	RU24NS, ABS +PC, -, -, -, -, -, GR20, -	SNA
BN63-00079A	CIS	COVER-MESH, REAR, A	RU24NS, SECC, TO. 5, -, -, -, -, -, P3. 0	SNA
BN63-00080A	CIS	COVER-MESH, REAR, B	RU24NS, SECC, TO. 5, -, -, -, -, -, P3. 0	SNA
BN63-00081A	CIS	COVER-MESH, DOME, A	RU24NS, SECC, TO. 5, -, -, -, -, -, P3. 0	SNA
BN63-00082A	CIS	COVER-MESH, DOME, B	RU24NS, SECC, TO. 5, -, -, -, -, -, P3. 0	SNA
BN91-00129A	-	ASSY LCD-ST	PC24PSS	SNA
BN07-00015A	CIS	LCD	LTM240W1-L01, LSA, 8BIT, 569. 1*368. 4*32, 16. 7M, -, 0. 27*0. 27, -, -, AMLCD/2 LVDS, -	
BN81-00009A	CIS	A/S PART-LAMP(U)	LTM240W1, LJ91-00186A, -, 24W1 LAMPASS'Y TOP, -	SNA
BN81-00009B	CIS	A/S PART-LAMP(B)	LTM240W1, LJ91-00188A, -, 24 LMAP(B), -	SNA
BN91-00310C	-	ASSY MISC	RS24NSSSW	SNA
BN44-00051C	CIS	ADAPTOR	PSCV121101S, , RUBENS, 100/240VAC, +14 VDC, 10A, 0 TO +40 C, SILVER COLOR	
BN91-00385A	-	ASSY SHIELD	RS24AS	SNA
6003-000010	M/PCB+T/GUIDE	SCREW-TAPTITE	BWH, +, B, M3, L10, ZPC(YEL), SWRCH1	
6003-000117	B/AUD+P/SHIELD	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA
6003-000117	HAR+P/SHIELD	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA
6003-000117	IN/PCB+P/SHIELD	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA
6003-000117	M/PCB+P/SHIELD	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA
6003-000117	SH/PCB+P/SHIELD	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA

6003-000117	SH/PCB+SH/D_SUB	SCREW-TAPTITE	BH, +, B, M3, L6, ZPC(YEL), SWRCH18A	SNA
6003-000122	C/F+P/SHIELD	SCREW-TAPTITE	BH, +, B, M4, L12, ZPC(YEL), SWRCH18	
BN39-00223A	H_AV_SMALL	LEAD CONNECTOR-ASSY	RS24NS, UL2464#24, UL/CSA, 6P, -, -, #24, SMH200-06, SMH200-06, BK, -, -, 300MM, 2464#24, -, -	
BN39-00224A	H_AV_LARGE	LEAD CONNECTOR-ASSY	RS24NS, UL20276#32, UL/CSA, 12P, -, -, #32, SMH200-12, SMH200-12, BK, -, -, 560MM, 20276#32, -	
BN39-00225A	H_IR	LEAD CONNECTOR-ASSY	RS24NS, UL2464#26, UL/CSA, 3P, -, -, #26, SMH250-03, SMH250-03, BK, -, -, 400MM, 2464#26, SJ01	
BN39-00226A	H_LVDS	LEAD CONNECTOR-ASSY	RS24NS, UL1571#28, UL/CSA, 31P, -, -, #28, FI-W31S, FI-W31S, BK, -, -, 150MM, 1571#28, SJ01-01	
BN39-00227A	H_LVDS_P	LEAD CONNECTOR-ASSY	RS24NS, UL1061#28, UL/CSA, 12P, -, -, #28, 12505HS-12, 12505HS-12, BK, -, -, 130MM, 1061#28, S	
BN39-00228A	H_INVERTER	LEAD CONNECTOR-ASSY	RS24NS, UL1061#28, UL/CSA, 15P, -, -, #28, 12505HS-15, 12505HS-15, BK, -, -, 70MM, 1061#28, S	
BN39-00229A	H_FUNCTION	LEAD CONNECTOR-ASSY	RS24NS, UL2835#28, UL/CSA, 15P, -, -, #28, 12505HS-15, 12505HS-15, BK, -, -, 230MM, 2835#28, S	
BN44-00044A	CIS	INVERTER	24PS, SK2400H, 48KHZ, 14VDC, 3. 8mArms, 6. 8mArms, 48KHz, 180. 3*130. 3*15, 4LAMP, 48KHz, -, -	
BN59-00242A	CIS	BOARD-TUNER BOX	RS24NS, LB24NSUG, -, -, -, -, TUNER-BOX (PAL)	SNA
BN59-00245A	CIS	BOARD-AUDIO JACK	RS24NS, CT1000-0160, -, AUDIO-JACK BOARD, -, -, RUBENS	SNA
BN59-00246A	CIS	BOARD-VIDEO JACK	RS24NS, CT1000-0150, -, VIDEO-JACK BOARD, -, -, RUBENS	SNA
BN63-00212A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 15MM, 90MM, 245MM, GRAY, 71TSSK 90-15-245-13, 71TSSK 90-15-	SNA
BN63-00213A	CIS	GASKET	RS24NS, CONDUCTIVE-FABRIC, 15MM, 40MM, 565MM, GRAY, 71TSSK 40-15-565-13, 71TSSK 40-15-5	SNA
BN63-00214A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 15MM, 40MM, 75MM, GRAY, 71TSSK 40-15-75-13, 71TSSK 40-15-75-	SNA
BN75-00219A	CIS	UNIT-PANEL-SHIELD	RU24NS, -, SECC T1. 0, -, -, -, -, -	
BN61-00062A	CIS	HOLDER-WIRE	-, SUS, T0. 3, -, -, -, -	SNA
BN63-00088A	CIS	SHIELD-PANEL	RU24NS, SECC, T1. 0, -, -, -, -	SNA
BN96-00052A	CIS	ASSY COVER P-TUNER GUIDE	RS24*, ABS+PC, GR20, GR-806P	SNA
BN61-00001E	CIS	SPRING ETC	PS17NO, STS304-WPB, -, ID8. 0, L17, NOT5. 5, OD9. 0, -, NTR, -, -	SNA
BN63-00084A	CIS	COVER-TUNNER	RU24NS, ABS+PC, -, -, -, 5V, -, GR20, -	SNA
BN63-00211A	CIS	GASKET	RS24NS, CONDUCTIVE-FABRIC, 4MM, 65MM, 29. 5MM, GRAY, 71TSSK65-4-29. 5-00-5, 71TSSK65-4-29	SNA
BN64-00040A	CIS	KNOB-TUNNER	RU24NS, ABS HB, -, -, -, -, GR20, -, -	SNA
BN96-00072A	CIS	ASSY PCB P-SHIELD	RS21NS, SPT E TO. 5	SNA
BN63-00089A	CIS	SHIELD-PCB	RU24NS, SPT E, TO. 5, -, -, -, -	SNA
BN63-00209A	CIS	GASKET	RS24NS, CONDUCTIVE, 4MM, 10MM, 30MM, GRAY, 71TSSK 10-4-30-13, 71TSSK 10-4-30-13	SNA
BN63-00215A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 0. 3MM, 12MM, 94MM, GRAY, 71TSK 12-0. 3-94-13-S, 71TSK 12-0. 3	SNA
BN63-00216A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 0. 3MM, 14MM, 105MM, GRAY, 71TSK14-0. 3-105-13-S, 71TSK14-0. 3-1	SNA
BN63-00217A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 0. 3MM, 14MM, 215MM, GRAY, 71TSK14-0. 3-215-13-S, 71TSK14-0. 3	SNA
BN63-00218A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 0. 3MM, 10MM, 445MM, GRAY, 71TSK 10-0. 3-445-13, 71TSK 10-0. 3-	SNA
BN63-00219A	CIS	GASKET	RS24NS, CONDUCTIVE FABRIC, 0. 3MM, 18MM, 370MM, GRAY, 71TSK18-0. 3-370-13-S, 71TSK18-0. 3-	SNA
BN63-00424A	CIS	GASKET	RS24/RS21, CONDUCTIVE-FABRIC, 0. 5MM, 18MM, 244MM, GRAY, 71TSSK 18-0. 5-244-13, 71TSSK 18	SNA
BN91-00387A	-	ASSY CHASSIS	RS24AS	
BN94-00306A	-	ASSY PCB MAIN	RS24AS	SNA
0202-001044	CIS1	SOLDER-WIRE.	S635-W3. 0, S635, D3, 63Sn/37Pb, -	SNA
0202-001046	CIS2	SOLDER-WIRE FLUX	CF-110VH-2A, -, -, -, -	SNA
0202-001222	CIS4	SOLDER-WIRE FLUX	RS-107, RS60-1. 2AA, D1. 2, SN60/PB40, -	SNA
0204-001095	CIS5	THINNER	#4520, -, -, -	SNA
1201-001834	IC101	IC-AUDIO AMP	TDA7360HS, MULTIWATT11H, 11P, 771MIL, SINGLE, 20DB/26DB, PLASTIC, 18V, 36W, -40T0+150C, -,	
1204-001904	IC304	IC-PAL DECODER	SAA5264PS, SDIP, 52P, 600MIL, PLASTIC, 3. 6V, -, -20T0+70C, ST, IC-DECODER	
2401-000039	C105	C-AL	1000uF, 20%, 16V, GP, TP, 10x16, 5	
2401-000039	C106	C-AL	1000uF, 20%, 16V, GP, TP, 10x16, 5	
2401-003717	C111	C-AL	220UF, 20, 50V, WT, TP, 10 X 12. 5 MM, 5	
2409-001044	C114	C-ORGANIC	100UF, +20%, 16V, WT, TP, 8X10. 5, 5	
2409-001044	C312	C-ORGANIC	100UF, +20%, 16V, WT, TP, 8X10. 5, 5	
2409-001044	C403	C-ORGANIC	100UF, +20%, 16V, WT, TP, 8X10. 5, 5	
2409-001044	C804	C-ORGANIC	100UF, +20%, 16V, WT, TP, 8X10. 5, 5	
2409-001044	C805	C-ORGANIC	100UF, +20%, 16V, WT, TP, 8X10. 5, 5	
3701-001219	CN200	CONNECTOR-DSUB	15P, 3R, FEMALE, ANGLE, AUF	
3701-001219	CN301	CONNECTOR-DSUB	15P, 3R, FEMALE, ANGLE, AUF	
3711-000024	CN401	CONNECTOR-HEADER	BOX, 3P, 1R, 2. 5mm, STRAIGHT, SN	
3711-004228	CN102	CONNECTOR-HEADER	BOX, 6P, 1R, 2MM, ANGLE, SN	

3711-004261	CN103	CONNECTOR-HEADER	BOX, 12P, 1R, 2MM, ANGLE, SN	SNA
3722-000183	CN302	JACK-SCART	21P, 4mm, SN, BLK, NO	
3722-001055	CN101	JACK-PHONE	5P/2C, 3, 6P1, AG, BLK, #16-22	
3722-001267	CN800	JACK-DC POWER	4P, -, SN, BLK, -	
BN63-00086B	C156	SHIELD-D SUB	RU24AS, SPTE, TO. 5, PAL	SNA
BN97-00096J	C15	ASSY MICOM	RS24AS	
1102-001128	IC404	IC-EPROM	M27C2001, 256KX8BIT, PDIP, 32P, 535MIL, 55NS, 5V, 10%, PLASTIC, OT0+70C, -, -, ST	
BN46-00012K	C15	S/W MICOM	RS24AS	SNA
BN97-00097A	-	ASSY SMD	RS24AS	SNA
0202-001162	C15	SOLDER-CREAM	RMA-20-21L, S63, -, SN63/PB36. 6/AGO. 4, FLUX9. 5%	SNA
0401-001056	D101	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D102	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D103	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D200	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D201	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D202	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D203	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D204	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D205	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D206	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D207	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D301	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0401-001056	D302	DIODE-SWITCHING	MMBD4148SE, 75V, 200MA, SOT-23, TP	
0402-000553	D800	DIODE-RECTIFIER	SS24, 40V, 2. 0A, DO-214AA	
0402-000553	D801	DIODE-RECTIFIER	SS24, 40V, 2. 0A, DO-214AA	
0402-000553	D802	DIODE-RECTIFIER	SS24, 40V, 2. 0A, DO-214AA	
0402-000553	D803	DIODE-RECTIFIER	SS24, 40V, 2. 0A, DO-214AA	
0403-000579	ZD200	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD201	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD203	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD204	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD301	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD302	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD303	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-000579	ZD311	DIODE-ZENER	BZX84C5V1, 5. 1V, 5%, 200mW, SOT-23	
0403-001052	ZD101	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD102	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD105	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD106	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD107	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD108	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD109	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD110	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD111	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD112	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD113	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD304	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD305	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD306	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD307	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD308	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD309	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	
0403-001052	ZD310	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S	

0403-001052	ZD312	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD313	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD314	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD315	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD316	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD317	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD318	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001052	ZD319	DIODE-ZENER	RD8. 2MB, 8. 2V, 7. 7-8. 64V, 200mW, S
0403-001340	ZD103	DIODE-ZENER	UDZ15B, 14. 34-14. 98V, 200mW, S0D-323, TP
0403-001340	ZD104	DIODE-ZENER	UDZ15B, 14. 34-14. 98V, 200mW, S0D-323, TP
0501-000462	Q101	TR-SMALL SIGNAL	MMBT2907A, PNP, 350mW, SOT-23, TP, 50-300
0501-002080	Q102	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q301	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q302	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q303	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q400	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q800	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q801	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q802	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q803	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q804	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0501-002080	Q805	TR-SMALL SIGNAL	2SC2412K, NPN, 200mW, SC-59, TP, 120-270
0505-000275	IC802	FET-SILICON	S14435DY, P, -30V, +-8. 0A, 0. 014ohm, 2. 5W, S0-8
0505-001170	IC803	FET-SILICON	S19933ADY-T1, P, -20V, 3. 4A, 0. 06ohm, 2W, S0-8
0505-001170	IC809	FET-SILICON	S19933ADY-T1, P, -20V, 3. 4A, 0. 06ohm, 2W, S0-8
0505-001170	IC814	FET-SILICON	S19933ADY-T1, P, -20V, 3. 4A, 0. 06ohm, 2W, S0-8
0801-002171	IC205	IC-CMOS LOGIC	74LCX125, BUS BUFFER, SOP, 14P, 15
0801-002171	IC208	IC-CMOS LOGIC	74LCX125, BUS BUFFER, SOP, 14P, 15
0801-002267	IC207	IC-CMOS LOGIC	74LCX14, -, S01C, 14P, 150MIL, -, TP, -, -, -, 3. 6V, -40T0+85C, -, 5. 5V, -, -, 24MA
0801-002267	IC301	IC-CMOS LOGIC	74LCX14, -, S01C, 14P, 150MIL, -, TP, -, -, -, 3. 6V, -40T0+85C, -, 5. 5V, -, -, 24MA
0801-002267	IC503	IC-CMOS LOGIC	74LCX14, -, S01C, 14P, 150MIL, -, TP, -, -, -, 3. 6V, -40T0+85C, -, 5. 5V, -, -, 24MA
0801-002268	IC407	IC-CMOS LOGIC	74VHC139, DECODER, SOP, 16P, 150MI
0801-002394	IC408	IC-CMOS LOGIC	74LCX32, OR GATE, S01C, 14P, 150MI
0801-002394	IC409	IC-CMOS LOGIC	74LCX32, OR GATE, S01C, 14P, 150MI
0801-002559	IC403	IC-CMOS LOGIC	74LVX74, D FLIP-FLOP, TSSOP, 14P, 173MIL, DUAL, TP, PLASTIC, -, -, 0. 36V, -40to+85C, 180mW, 2
0801-002574	IC406	IC-CMOS LOGIC	74LVX04, INVERTER, SOP, 14P, 150MIL, HEX, TP, PLASTIC, -, -, 0. 36V, -40to+85C, 180mW, 2. 4V, 20
0801-002576	IC405	IC-CMOS LOGIC	74LVX373, LATCH, SOP, 20P, 300MIL, OCTAL, TP, PLASTIC, 3-STATE, -, 0. 36V, -40to+85C, 180mW, 2
0903-001202	IC402	IC-MICROCONTROLLER	80251G2, 8Bit, PLCC, 44P, 653MIL, 24MHz, TR, CMOS, PLASTIC, 5V, 1. 5W, 0to+70C, 1KBYTE, -, 24Bi
1001-001082	IC305	IC-VIDEO SWITCH	BA7657F, -, SOP, 24P, 300MIL, SINGL
1001-001109	IC307	IC-ANALOG SWITCH	FST3125M, BUS SWITCH & CMOS, S01C, 17P, 150MIL, QUAD, 7V, -40T0+85C, PLASTIC, -, 4. 0OHM, 5.
1001-001146	IC302	IC-ANALOG SWITCH	FST3257, BUS SWITCH & CMOS, SOP, 16P, 150MIL, QUAD, 5. 5V, -40to+85C, PLASTIC, -, 15ohm, -, -
1002-001177	IC700	IC-D/A CONVERTER	AD5301B, 8BIT, SOT-23, 6P, 63MIL, +-0. 25LSB, TP, -, PLASTIC, 7V, -40T0+105C, 240mW, 8-BIT DA
1002-001204	IC203	IC-A/D CONVERTER	AD9884AKS-140, 8BIT, QFP, 128P, -, 3. 5LSB, TR, CMOS, PLASTIC, 4V, 0to+70C, 570mW, Flat Pan
1002-001204	IC206	IC-A/D CONVERTER	AD9884AKS-140, 8BIT, QFP, 128P, -, 3. 5LSB, TR, CMOS, PLASTIC, 4V, 0to+70C, 570mW, Flat Pan
1003-001391	IC105	IC-DISPLAY DRIVER	FLI2200, QFP, 176P, 945MIL, -, -, TR, PLASTIC, 5. 5V, -40T0+85C, 1. 75W, -, DISPLAY SUPPORT
1003-001420	IC106	IC-DISPLAY DRIVER	FLI2220, TQFP, 160P, 1102MIL, -, -, TR, PLASTIC, 5. 5V, -40T0+85C, 1. 75W, 0. 4V, DISPLAY SUPPO
1103-001023	IC306	IC-EEPROM	524C80D81, 1028x88Bit, SOP, 8P, 150MIL, 10mS, 5V, 10%, PLASTIC, 0to+70C, 110uA, CMOS, TP
1103-001164	IC202	IC-EEPROM	24LC21A, 128X88Bit, SOP, 8P, 150MIL, -, 5V, 10%, PLASTIC, 0 to +70C, 100UA, CMOS, TP
1103-001223	IC401	IC-EEPROM	24C16, 2048x88Bit, SOP, 8P, 150MIL, 10mS, 2. 7V, -, PLASTIC, 0to+70C, 4uA, CMOS, TP
1105-001301	IC104	IC-DRAM	45643232, 512Kx32x4Bit, TSOP, 86P, 400MIL, 7nS, 3. 3V, 10%, PLASTIC, 0to+70C, 2mA, CMOS, TR
1105-001301	IC500	IC-DRAM	45643232, 512Kx32x4Bit, TSOP, 86P, 400MIL, 7nS, 3. 3V, 10%, PLASTIC, 0to+70C, 2mA, CMOS, TR
1105-001301	IC501	IC-DRAM	45643232, 512Kx32x4Bit, TSOP, 86P, 400MIL, 7nS, 3. 3V, 10%, PLASTIC, 0to+70C, 2mA, CMOS, TR
1105-001301	IC601	IC-DRAM	45643232, 512Kx32x4Bit, TSOP, 86P, 400MIL, 7nS, 3. 3V, 10%, PLASTIC, 0to+70C, 2mA, CMOS, TR

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1105-001301	IC602	IC-DRAM	45643232, 512Kx32x4Bit, TSOP, 86P, 400MIL, 7nS, 3. 3V, 10%, PLASTIC, 0to+70C, 2mA, CMOS, TR
1203-001448	IC808	IC-SWITCH VOL. REG.	2596, T0-263, 5P, -, PLASTIC, 4. 750
1203-001448	IC815	IC-SWITCH VOL. REG.	2596, T0-263, 5P, -, PLASTIC, 4. 750
1203-001448	IC816	IC-SWITCH VOL. REG.	2596, T0-263, 5P, -, PLASTIC, 4. 750
1203-001465	IC804	IC-POS1. ADJUST REG.	317, T0-263, 3P, -, PLASTIC, 1. 2/37
1203-001465	IC806	IC-POS1. ADJUST REG.	317, T0-263, 3P, -, PLASTIC, 1. 2/37
1203-001465	IC807	IC-POS1. ADJUST REG.	317, T0-263, 3P, -, PLASTIC, 1. 2/37
1203-001488	IC810	IC-POS1. FIXED REG.	7805, T0-252, 3P, -, PLASTIC, 4. 8/5
1203-001488	IC811	IC-POS1. FIXED REG.	7805, T0-252, 3P, -, PLASTIC, 4. 8/5
1203-001488	IC817	IC-POS1. FIXED REG.	7805, T0-252, 3P, -, PLASTIC, 4. 8/5
1203-001559	IC400	IC-RESET	DS1834, S01C, 8P, 150MIL, -, 1. 2/5V
1203-001816	IC102	IC-POS1. FIXED REG.	78M08, T0-252, 3P, -, PLASTIC, 7. 7/8. 3V, 1. 0W, -40T0+85C, 0. 5A, -, TP
1203-002067	IC200	IC-POS1. FIXED REG.	3330, S0T-23, 6P, 65MIL, PLASTIC, 3. 284/3. 316V, -, -40to+125C, 200mA, -, TP
1203-002067	IC201	IC-POS1. FIXED REG.	3330, S0T-23, 6P, 65MIL, PLASTIC, 3. 284/3. 316V, -, -40to+125C, 200mA, -, TP
1203-002067	IC209	IC-POS1. FIXED REG.	3330, S0T-23, 6P, 65MIL, PLASTIC, 3. 284/3. 316V, -, -40to+125C, 200mA, -, TP
1203-002067	IC210	IC-POS1. FIXED REG.	3330, S0T-23, 6P, 65MIL, PLASTIC, 3. 284/3. 316V, -, -40to+125C, 200mA, -, TP
1203-002067	IC812	IC-POS1. FIXED REG.	3330, S0T-23, 6P, 65MIL, PLASTIC, 3. 284/3. 316V, -, -40to+125C, 200mA, -, TP
1203-002199	IC813	IC-POS1. FIXED REG.	LM2596, T0-263, 5P, 340MIL, PALSTIC, -, -, -40T0+125C, -, -, ST
1203-002411	IC800	IC-POS1. FIXED REG.	IRU1030-33CM, T0-263, 3P, -, PLASTIC, 3. 267/3. 333V, -, 0T0+150C, -, -, ST
1203-002411	IC801	IC-POS1. FIXED REG.	IRU1030-33CM, T0-263, 3P, -, PLASTIC, 3. 267/3. 333V, -, 0T0+150C, -, -, ST
1203-002411	IC805	IC-POS1. FIXED REG.	IRU1030-33CM, T0-263, 3P, -, PLASTIC, 3. 267/3. 333V, -, 0T0+150C, -, -, ST
1204-001675	IC103	IC-SOUND PROCESSOR	MSP3451G, QFP, 80P, -, PLASTIC, 9V, 1000mW, 0to+70C, TR, Multistandard Sound
1204-001725	IC204	IC-SIGNAL PROCESSOR	BA7078AF, S0P, 18P, 210MIL, PLASTIC, 5. 25V, 450mW, -25to+75C, TP, SYNC SIGNAL PROCESSOR
1204-001926	IC303	IC-VIDEO PROCESS	VPC3230D-C5, PQFP, 80P, -, PLASTIC, 6V, -, 0 T0 65C, TP, VPC3230D-C5
1205-001870	IC701	IC-TRANSMITTER	DS90C387VJD, QFP, 100P, 550MIL, PLASTIC, 3. 6V, 2. 8W, -10to+70C, TR, Dual Pixel LVDS
1205-002005	IC502	IC-LCD CONTROLLER	JAG200MXHD, PBGA, 388P, -, PALSTIC, 4. 6V, 2. 5W, -, TR, DIGITAL DISPLAY PRO.
1205-002005	IC600	IC-LCD CONTROLLER	JAG200MXHD, PBGA, 388P, -, PALSTIC, 4. 6V, 2. 5W, -, TR, DIGITAL DISPLAY PRO.
2007-000029	FT250	R-CHIP	00HM, 5%, 1/10W, DA, TP, 2012
2007-000029	FT251	R-CHIP	00HM, 5%, 1/10W, DA, TP, 2012
2007-000070	R107	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R134	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R140	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R141	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R231	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R232	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R309	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R323	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R326	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R333	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R374	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R376	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R378	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R380	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R381	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R382	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R402	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R403	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R405	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R740	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R741	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R742	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R743	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608
2007-000070	R744	R-CHIP	0ohm, 5%, 1/16W, DA, TP, 1608

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2007-000090	R504	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R506	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R507	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R600	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R601	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R603	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R605	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R606	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R704	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R706	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R707	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R708	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R813	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R817	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R826	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R833	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000090	R840	R-CHIP	10KOHM, 5%, 1/16W, DA, TP, 1608
2007-000092	R315	R-CHIP	15Kohm, 5%, 1/16W, DA, TP, 1608
2007-000092	R404	R-CHIP	15Kohm, 5%, 1/16W, DA, TP, 1608
2007-000093	R334	R-CHIP	20Kohm, 5%, 1/16W, DA, TP, 1608
2007-000094	R329	R-CHIP	22Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R102	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R103	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R200	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R202	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R252	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R254	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R808	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R814	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R816	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R818	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R825	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R827	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R828	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R831	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R834	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R835	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000102	R841	R-CHIP	100Kohm, 5%, 1/16W, DA, TP, 1608
2007-000109	R235	R-CHIP	1Mohm, 5%, 1/16W, DA, TP, 1608
2007-000122	R807	R-CHIP	1. 2Kohm, 5%, 1/16W, DA, TP, 1608
2007-000125	R236	R-CHIP	3. 9Kohm, 5%, 1/16W, DA, TP, 1608
2007-000133	R201	R-CHIP	330Kohm, 5%, 1/16W, DA, TP, 1608
2007-000133	R203	R-CHIP	330Kohm, 5%, 1/16W, DA, TP, 1608
2007-000133	R253	R-CHIP	330Kohm, 5%, 1/16W, DA, TP, 1608
2007-000133	R255	R-CHIP	330Kohm, 5%, 1/16W, DA, TP, 1608
2007-000133	R842	R-CHIP	330Kohm, 5%, 1/16W, DA, TP, 1608
2007-000239	R414	R-CHIP	1. 5Kohm, 1%, 1/16W, DA, TP, 1608
2007-000239	R415	R-CHIP	1. 5Kohm, 1%, 1/16W, DA, TP, 1608
2007-000309	R819	R-CHIP	10ohm, 5%, 1/16W, DA, TP, 1608
2007-000309	R829	R-CHIP	10ohm, 5%, 1/16W, DA, TP, 1608
2007-000309	R836	R-CHIP	10ohm, 5%, 1/16W, DA, TP, 1608
2007-000309	R838	R-CHIP	10ohm, 5%, 1/16W, DA, TP, 1608
2007-000616	R396	R-CHIP	24Kohm, 5%, 1/16W, DA, TP, 1608

[illegible]

2203-000189	C826	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C828	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C833	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C842	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C844	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C920	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C921	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C922	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000189	C923	C-CERAMIC, CHIP	100nF, +80-20%, 25V, Y5V, TP, 1608,
2203-000236	C254	C-CERAMIC, CHIP	0. 1nF, 5%, 50V, NPO, TP, 1608
2203-000236	C310	C-CERAMIC, CHIP	0. 1nF, 5%, 50V, NPO, TP, 1608
2203-000236	C311	C-CERAMIC, CHIP	0. 1nF, 5%, 50V, NPO, TP, 1608
2203-000257	C195	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C232	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C264	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C302	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C355	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C363	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C366	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C368	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C372	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C376	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C808	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C809	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C814	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C821	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C834	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C849	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000257	C851	C-CERAMIC, CHIP	10nF, 10%, 50V, X7R, TP, 1608
2203-000280	C251	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C252	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C259	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C348	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C349	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C350	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000280	C583	C-CERAMIC, CHIP	0. 01nF, 0. 5pF, 50V, NPO, TP, 1608
2203-000357	C346	C-CERAMIC, CHIP	0. 15nF, 5%, 50V, NPO, TP, 1608
2203-000384	C570	C-CERAMIC, CHIP	0. 015nF, 5%, 50V, NPO, TP, 1608
2203-000384	C645	C-CERAMIC, CHIP	0. 015nF, 5%, 50V, NPO, TP, 1608
2203-000384	C672	C-CERAMIC, CHIP	0. 015nF, 5%, 50V, NPO, TP, 1608
2203-000440	C141	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C142	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C143	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C144	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C203	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C233	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C234	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C273	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C281	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C282	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C326	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C337	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -
2203-000440	C338	C-CERAMIC, CHIP	1nF, 10%, 50V, X7R, TP, 1608, -

2203-000903	C240	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C241	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C242	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C265	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C266	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C267	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C313	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000903	C314	C-CERAMIC, CHIP	0.0047nF, 0.25pF, 50V, NP0, TP, 1608
2203-000972	C152	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C237	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C238	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C239	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C258	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C260	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C262	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C306	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C321	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C335	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-000972	C342	C-CERAMIC, CHIP	47nF, 10%, 16V, X7R, TP, 1608
2203-001071	C118	C-CERAMIC, CHIP	0.056nF, 5%, 50V, NP0, TP, 1608
2203-001071	C131	C-CERAMIC, CHIP	0.056nF, 5%, 50V, NP0, TP, 1608
2203-001071	C134	C-CERAMIC, CHIP	0.056nF, 5%, 50V, NP0, TP, 1608
2203-001071	C369	C-CERAMIC, CHIP	0.056nF, 5%, 50V, NP0, TP, 1608
2203-001071	C370	C-CERAMIC, CHIP	0.056nF, 5%, 50V, NP0, TP, 1608
2203-001140	C315	C-CERAMIC, CHIP	68nF, 10%, 16V, X7R, TP, 1608, -
2203-001140	C316	C-CERAMIC, CHIP	68nF, 10%, 16V, X7R, TP, 1608, -
2203-001140	C317	C-CERAMIC, CHIP	68nF, 10%, 16V, X7R, TP, 1608, -
2203-001402	C320	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001402	C334	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001402	C343	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001402	C344	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001402	C345	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001402	C353	C-CERAMIC, CHIP	220nF, +80-20%, 16V, Y5V, TP, 1608
2203-001607	C149	C-CERAMIC, CHIP	0.22nF, 5%, 50V, NP0, TP, 1608
2203-001630	C101	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C103	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C323	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C324	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C325	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C327	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001630	C347	C-CERAMIC, CHIP	330nF, +80-20%, 16V, Y5V, TP, 1608
2203-001652	C247	C-CERAMIC, CHIP	470nF, +80-20%, 16V, Y5V, TP, 1608
2203-001656	C123	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C128	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C154	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C820	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C832	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C847	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-001656	C848	C-CERAMIC, CHIP	0.47nF, 5%, 50V, NP0, TP, 1608
2203-005005	C115	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608
2203-005005	C117	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608
2203-005005	C119	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608
2203-005005	C122	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608

2203-005005	C147	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608
2203-005005	C180	C-CERAMIC, CHIP	100nF, 10%, 16V, X7R, TP, 1608
2203-005005	C246	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C253	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C255	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C303	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C304	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C571	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C572	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C573	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C574	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C575	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C576	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C577	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C578	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C579	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C580	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C581	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C812	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C817	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C827	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C830	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-005065	C846	C-CERAMIC, CHIP	1000nF, +80-20%, 10V, Y5V, TP, 1608
2203-006036	C328	C-CERAMIC, CHIP	680nF, +80-20%, 16V, Y5V, TP, 1608
2203-006036	C329	C-CERAMIC, CHIP	680nF, +80-20%, 16V, Y5V, TP, 1608
2203-006036	C330	C-CERAMIC, CHIP	680nF, +80-20%, 16V, Y5V, TP, 1608
2203-006036	C331	C-CERAMIC, CHIP	680nF, +80-20%, 16V, Y5V, TP, 1608
2402-000108	C181	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C209	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C210	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C275	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C276	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C836	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C837	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C839	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000108	C853	C-AL, SMD	10uF, 20%, 16V, WT, TP, 4. 3x4. 3x5. 4
2402-000144	C120	C-AL, SMD	3. 3uF, 20%, 50V, GP, TP, 4. 3x4. 3x5.
2402-000173	C107	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C108	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C130	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C133	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C135	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C138	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C139	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C140	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000173	C709	C-AL, SMD	4. 7uF, 20%, 35V, GP, TP, 4. 3x4. 3x5.
2402-000176	C116	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C121	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C125	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C126	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C129	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C132	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C148	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4

2402-000176	C150	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C151	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C309	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C322	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C336	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C354	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C358	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000176	C375	C-AL, SMD	10uF, 20%, 16V, GP, TP, 4. 3x4. 3x5. 4
2402-000209	C197	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C522	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C523	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C536	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C565	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C622	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C639	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C644	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C646	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-000209	C659	C-AL, SMD	22uF, 20%, 16V, WT, TP, 5. 3x5. 3mm, 1
2402-001006	C245	C-AL, SMD	4. 7uF, 20%, 25V, GP, TP, 3. 6x6. 3x3.
2402-001019	C256	C-AL, SMD	2. 2uF, 20%, 35V, GP, TP, 3. 3x3. 3x5.
2402-001081	C109	C-AL, SMD	100uF, 20%, 25V, WT, TP, 8. 3x8. 3x10
2402-001081	C829	C-AL, SMD	100uF, 20%, 25V, WT, TP, 8. 3x8. 3x10
2402-001155	C110	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C113	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C182	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C190	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C198	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C356	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C365	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C367	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C371	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C374	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001155	C377	C-AL, SMD	47uF, 20%, 16V, WT, TP, 6. 3X5. 2MM
2402-001160	C708	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C801	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C803	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C806	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C807	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C811	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C813	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C819	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C822	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C843	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C845	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C850	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2402-001160	C852	C-AL, SMD	330UF, 20%, 16V, WT, TP, 1008
2409-001029	C835	C-ORGANIC	120uF, 20%, 6. 3V, WT, TP, 10. 3x10. 3x10. 3mm, 9
2409-001029	C838	C-ORGANIC	120uF, 20%, 6. 3V, WT, TP, 10. 3x10. 3x10. 3mm, 9
2409-001029	C840	C-ORGANIC	120uF, 20%, 6. 3V, WT, TP, 10. 3x10. 3x10. 3mm, 9
2409-001029	C854	C-ORGANIC	120uF, 20%, 6. 3V, WT, TP, 10. 3x10. 3x10. 3mm, 9
2409-001035	C202	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C204	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C272	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1

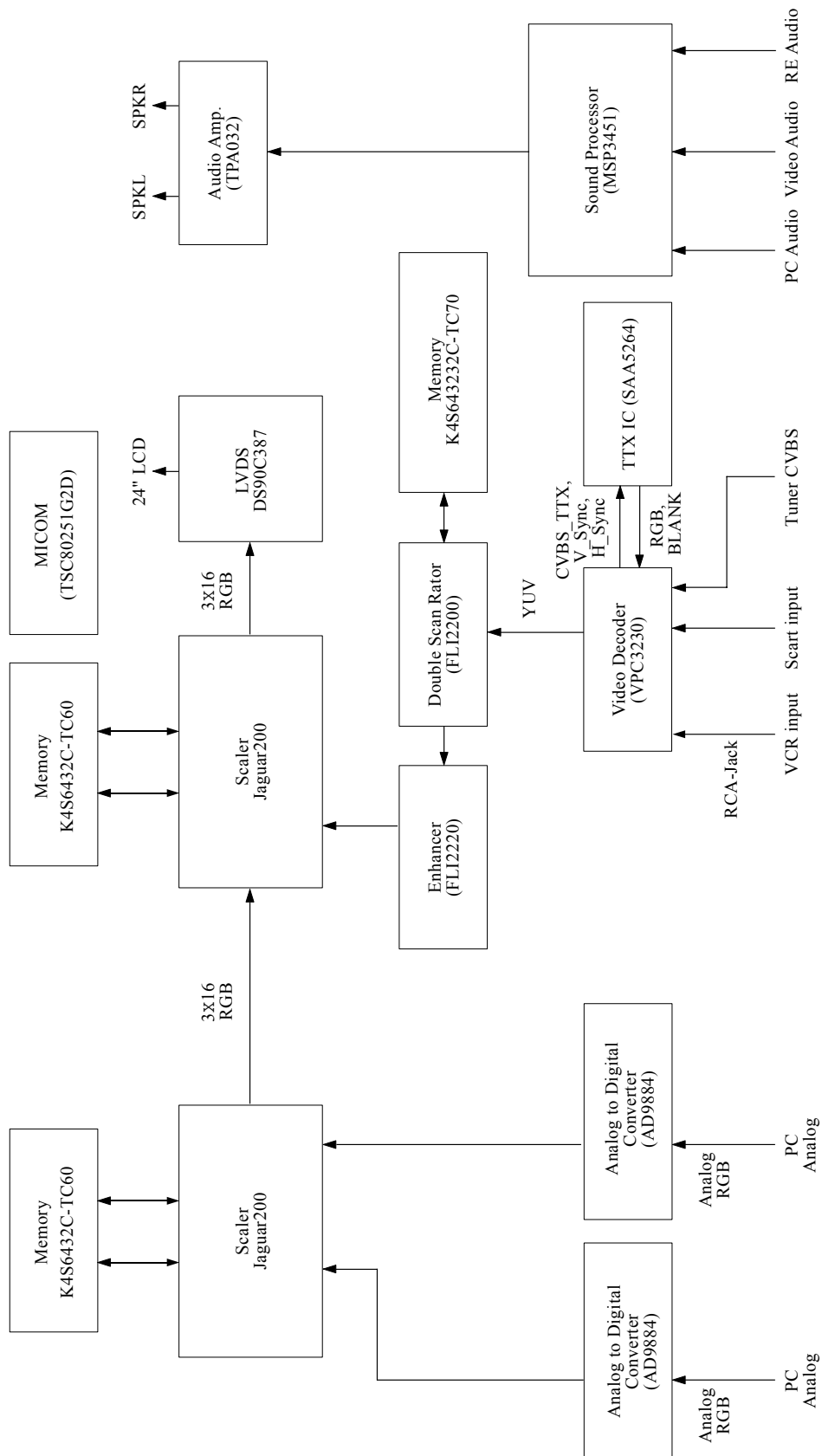
2409-001035	C274	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C566	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C640	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C815	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C823	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C824	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2409-001035	C831	C-ORGANIC	10uF, 20%, 10V, LZ, TP, 5. 4x4. 3x4. 3mm, 1
2503-001018	CA200	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA201	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA202	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA203	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA204	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA205	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA206	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA207	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA208	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA209	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA210	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA211	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA600	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA601	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA602	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA603	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA604	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA605	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA606	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA607	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA608	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA609	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA610	C-NETWORK	15PFX4, 10%, 50V, -
2503-001018	CA611	C-NETWORK	15PFX4, 10%, 50V, -
2703-000271	L308	INDUCTOR-SMD	4. 7uH, 10%, 2x1. 25x1. 25mm
2703-000271	L309	INDUCTOR-SMD	4. 7uH, 10%, 2x1. 25x1. 25mm
2703-000271	L310	INDUCTOR-SMD	4. 7uH, 10%, 2x1. 25x1. 25mm
2703-000271	L311	INDUCTOR-SMD	4. 7uH, 10%, 2x1. 25x1. 25mm
2703-000398	L101	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L102	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L105	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L106	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L301	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L302	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L303	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L304	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L305	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L306	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-000398	L307	INDUCTOR-SMD	10uH, 10%, 3. 2x2. 5x2. 2mm
2703-001070	L312	INDUCTOR-SMD	100uH, 10%, 4. 5x3. 2x3. 2mm
2703-001334	BD204	INDUCTOR-SMD	1. 5uH, 10%, 2x1. 25x0. 85mm
2703-001334	BD205	INDUCTOR-SMD	1. 5uH, 10%, 2x1. 25x0. 85mm
2703-001334	BD206	INDUCTOR-SMD	1. 5uH, 10%, 2x1. 25x0. 85mm
2703-001334	BD207	INDUCTOR-SMD	1. 5uH, 10%, 2x1. 25x0. 85mm
2703-001334	BD400	INDUCTOR-SMD	1. 5uH, 10%, 2x1. 25x0. 85mm
2703-001778	L103	INDUCTOR-SMD	3. 3uH, 20%, 3. 2X2. 5X2. 2MM

2703-001778	L104	INDUCTOR-SMD	3. 3UH, 20%, 3. 2X2. 5X2. 2MM
2703-001778	L107	INDUCTOR-SMD	3. 3UH, 20%, 3. 2X2. 5X2. 2MM
2703-001778	L108	INDUCTOR-SMD	3. 3UH, 20%, 3. 2X2. 5X2. 2MM
2703-001778	L400	INDUCTOR-SMD	3. 3UH, 20%, 3. 2X2. 5X2. 2MM
2801-003667	X400	CRYSTAL-SMD	14. 3182MHZ, 50PPM, 28-AAN, 16, 500HM, TP
2801-003773	X302	CRYSTAL-SMD	12MHZ, 30PPM, 28-AAN, 20PF, 500HM, TP
2801-003843	X101	CRYSTAL-SMD	18. 432MHZ, 30ppm, 28-AAN, 20pF, 50ohm, TP
2801-004004	X301	CRYSTAL-SMD	20. 25MHZ, 20ppm, 28-AAN, 13pF, 25ohm, TP
2901-001114	FT102	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT103	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT104	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT105	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT200	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT201	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT202	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT203	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT204	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT205	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT206	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT301	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT302	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT303	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT304	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT305	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT306	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT307	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT308	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT400	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT401	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT402	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT403	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT405	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT406	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT407	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT408	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT409	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT500	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT501	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT502	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT503	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT504	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT505	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT506	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT507	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT508	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT600	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT601	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT602	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT603	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT604	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT605	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT606	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1
2901-001114	FT607	FILTER-EMI SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1

2901-001114	FT700	FILTER-EMI SMD	25VDC, 2.0ADC, -, 100nF, 3. 2x1. 6x1	
2901-001114	FT701	FILTER-EMI SMD	25VDC, 2.0ADC, -, 100nF, 3. 2x1. 6x1	
2901-001114	FT702	FILTER-EMI SMD	25VDC, 2.0ADC, -, 100nF, 3. 2x1. 6x1	
2901-001114	FT703	FILTER-EMI SMD	25VDC, 2.0ADC, -, 100nF, 3. 2x1. 6x1	
2901-001114	FT815	FILTER-EMI SMD	25VDC, 2.0ADC, -, 100nF, 3. 2x1. 6x1	
3301-001145	FT101	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT800	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT801	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT802	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT803	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT804	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT805	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT806	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT807	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT808	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT809	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT810	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT811	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT812	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001145	FT813	CORE-FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm, -, -	SNA
3301-001163	BD101	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD102	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD103	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD104	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD105	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD106	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD107	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD108	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD301	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001163	BD302	CORE-FERRITE BEAD	AB, 80ohm, 2x1. 25x1mm, 300mA, TP, FERRITE, 0. 08ohm	
3301-001176	BD201	CORE-FERRITE BEAD	AB, 2x1. 25x0. 9mm, -, -	
3301-001176	BD202	CORE-FERRITE BEAD	AB, 2x1. 25x0. 9mm, -, -	
3301-001176	BD203	CORE-FERRITE BEAD	AB, 2x1. 25x0. 9mm, -, -	
3711-000556	CN702	CONNECTOR-HEADER	BOX, 12P, 1R, 1. 25mm, SMD-A, SN	SNA
3711-002049	CN400	CONNECTOR-HEADER	BOX, 6P, 1R, 1. 25mm, SMD-A, SN	SNA
3711-003938	CN501	CONNECTOR-HEADER	3WALL, 15P, 1R, 1. 25mm, SMD-S, SN	SNA
3711-003938	CN700	CONNECTOR-HEADER	3WALL, 15P, 1R, 1. 25mm, SMD-S, SN	SNA
3711-004130	CN701	CONNECTOR-HEADER	BOX, 31P, 2R, 0. 625mm, SMD-A, AUF	
BN27-00008A	CL800	COIL CHOKE-SMD	SMD12*12*8. 5, GH15/17PS, 22. 0UH, ±20%, -, 0. 0450HM MAX. , 3. 0A, DR10X7/SMD12X6. 7, 16. 5TS	
BN27-00008A	CL801	COIL CHOKE-SMD	SMD12*12*8. 5, GH15/17PS, 22. 0UH, ±20%, -, 0. 0450HM MAX. , 3. 0A, DR10X7/SMD12X6. 7, 16. 5TS	
BN27-00008A	CL802	COIL CHOKE-SMD	SMD12*12*8. 5, GH15/17PS, 22. 0UH, ±20%, -, 0. 0450HM MAX. , 3. 0A, DR10X7/SMD12X6. 7, 16. 5TS	
BN27-00008A	CL803	COIL CHOKE-SMD	SMD12*12*8. 5, GH15/17PS, 22. 0UH, ±20%, -, 0. 0450HM MAX. , 3. 0A, DR10X7/SMD12X6. 7, 16. 5TS	
BN41-00134A	MP1. 0	PCB MAIN	RS24AS, FR4, 6L, -, 1. 6, 305*200, RS24AS, -, -, -	SNA
BN91-00410B	-	ASSY SPEAKER	RS24N5SSW	SNA
BN59-00247B	CIS	SPEAKER SYSTEM	RS24NS, RUBENS-SILVER, F0`15KHZ, COLOR : SILVER	SNA
BN92-00314A	-	ASSY P/MATERIAL	RS24NS	SNA
0203-001102	CIS	TAPE-OPP MASKING	OPP-2, TO. 05, W100, L400M, CLR	SNA
BH69-00256C	CIS	PAD-PACKING-EDGE	MV940, B400, W200, L2030, -, -, YEL, -, -	SNA
BH69-00260A	CIS	BAG AIR	DP17L, PE, 0. 2, 1800, 1000, NATURAL, -	SNA
BH69-30002C	CIS	BAG-PE	LDPE, TO. 05, W2400, NO_PRINT	SNA
BH69-30355B	CIS	BAG	PE, TO. 54, W850*800, Y, -, 24, CKB5267	SNA
BH69-30360A	CIS	BAG-AIR	HDPE, TO. 2, W1000*L1800, N, -, ALL	SNA
BH69-40380A	CIS	PACKING-PAD	DW-2, 500X2200X200, -, CGK5527	SNA

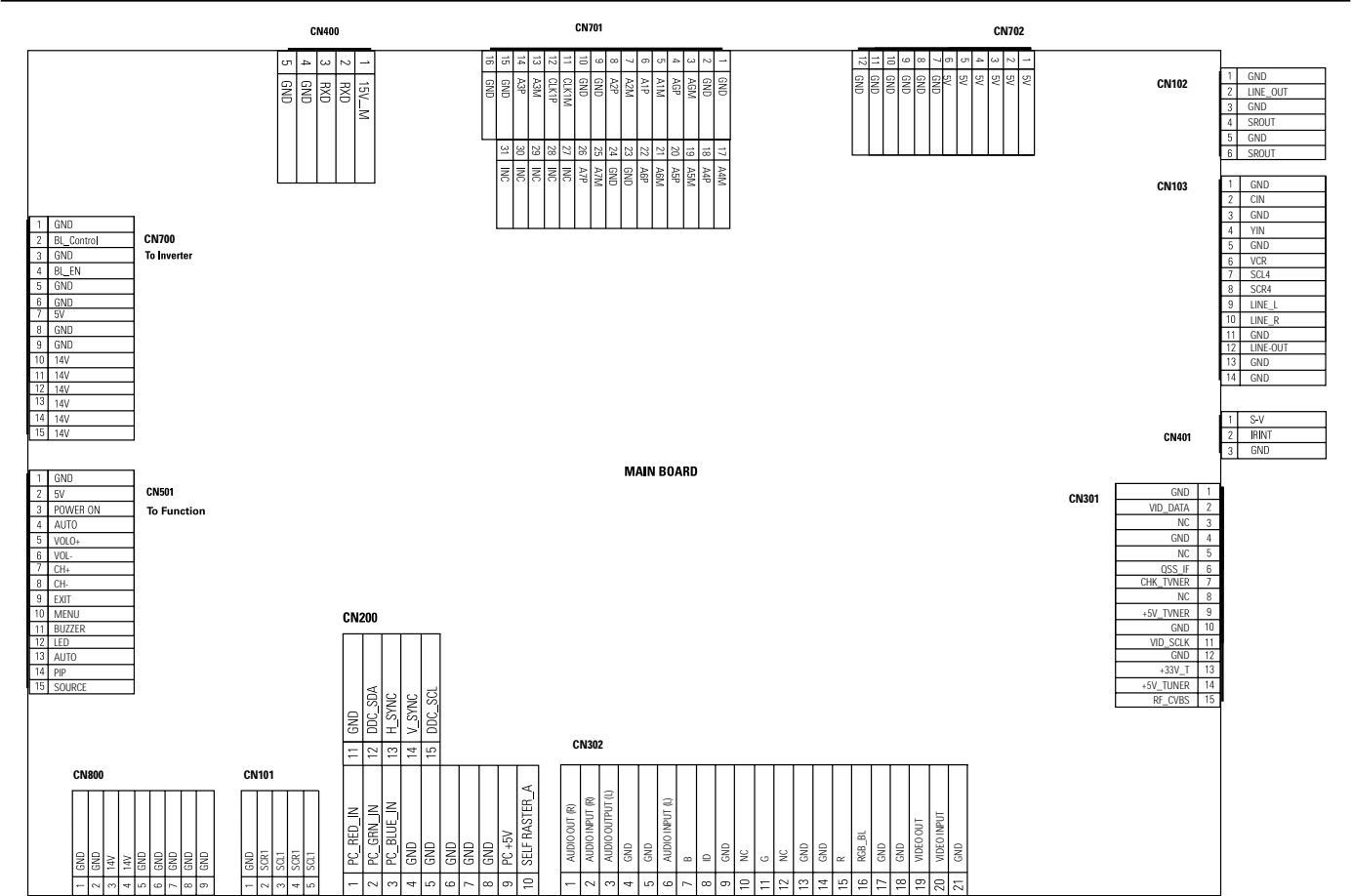
BN69-00131H	CIS	PALLET-PACKING	RS24NS, WOODEN, 1220, 775, 120, -, -, -	SNA
BN69-00240A	CIS	CUSHION-R/L	RU24NS, EPS, -, -, -, -, -, M50	SNA
BN92-00424A	-	ASSY BOX	LW24R15WX/XEU, SEUK, UNITED KINGDOM	SNA
BN68-00135A	CIS	LABEL BAR CODE	-, ALL, MPRII, DOM, ART-PAPER 90G, -, WHT, BLACK, -, -, -	SNA
BN69-00109A	CIS	BOX	LW24R15W, GUJU, CB-DW3, YEL, A-1, -, -, -, L761*W596*H316, -	SNA
BN92-00605L	-	ASSY ACCESSORY	LW24R15WX/XEC, SESA, SPAIN	SNA
BN96-00175L	CIS	ASSY ACCESSORY	LW24R15WX/XEC, SESA, SPAIN	
0203-000214	CIS	TAPE-OPP MASKING	OPP/W50/CLR, TO. 05, W50, L400000,	SNA
4301-000121	CIS	BATTERY-MN	1. 5V, -, AAA, 10. 5x44. 5m, HOLDER	SNA
6801-001009	CIS	CARD-WARRANTY	EUROPE (12), 8	SNA
6801-001014	CIS	CARD-REGISTRATION	XEU, ENG, MOJO100, L150, W392, -, -	SNA
6801-001015	CIS	CARD-REGISTRATION	XEG, GERMAN, MOJO100, L150, W392, -, -	SNA
6801-001016	CIS	CARD-REGISTRATION	XEF, FRENCH, MOJO100, L150, W392, -, -	SNA
6801-001017	CIS	CARD-REGISTRATION	XEC, SPANISH, MOJO100, L150, W392, -, -	SNA
6801-001019	CIS	CARD-REGISTRATION	XEN, DUTCH, MOJO100, L150, W392, -, -	SNA
6801-001020	CIS	CARD-REGISTRATION	XEP, PORTUGAL, MOJO100, L150, W392, -, -	SNA
BH39-00120A	CIS	CBF SIGNAL	-, 2000MM, -, -, UL2851#28, -	
BH39-10339H	CIS	CBF POWER CORD	DET, H05VV-F, 250V/10, 16A, BLK, 25	
BH69-30348D	CIS	BAG-PE	LDPE, TO. 05, W240*L356, Y, -, CMG73	SNA
BN39-00115A	CIS	CBF SIGNAL	NLSMO, 15P/15P, 2990, 1830MM, UL2990, BLACK, D-SUB/MALE, -, -, -	
BN59-00228A	CIS	REMOCON	-, TM71, RUBENS, 37, GR20, BLUE, PAL, -, -, -, -	
BN68-00169E	CIS	MANUAL USERS	LW24R15W, SAMSUNG, E/F/G/NE/1T/SP/P, EDC, MIMOJO80G	
BN69-00054B	CIS	BOX-ACCESSORY	PC24PB, CB SW-1, YEL, KSD-21, 45, 300, 230, -, -	SNA
BN80-00001A	CIS	WRENCH	RU24AS, SCM, M8, 5, WHT, L80	SNA
BN92-00619K	-	ASSY LABEL	LW24R15WX/XEC	SNA
AA68-50502A	CIS	LABEL-CONFORMATION	W/P100(G), CTV, ITALY, 170x110, BL	SNA
BN68-00241B	CIS	LABEL RATING	RU24AS, EDC, PE, TO. 05, 65, 79, -, -, PE NATURE, -, -	SNA
BN68-00255B	CIS	LABEL	DOLBY - STICKER, PE TO. 05, 79, 19, POLYESTER MATTE COLO	SNA

8 Block Diagram



Memo

9 Wiring Diagram

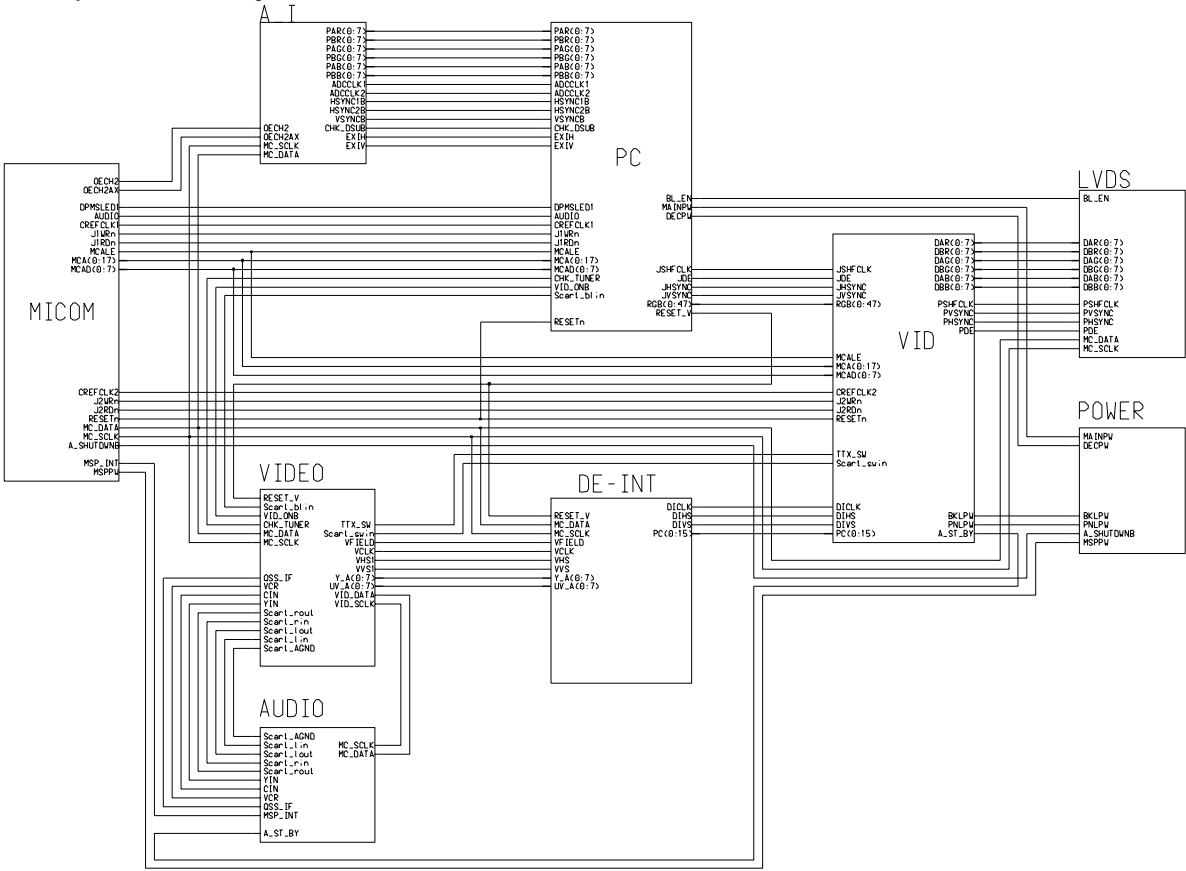


Memo

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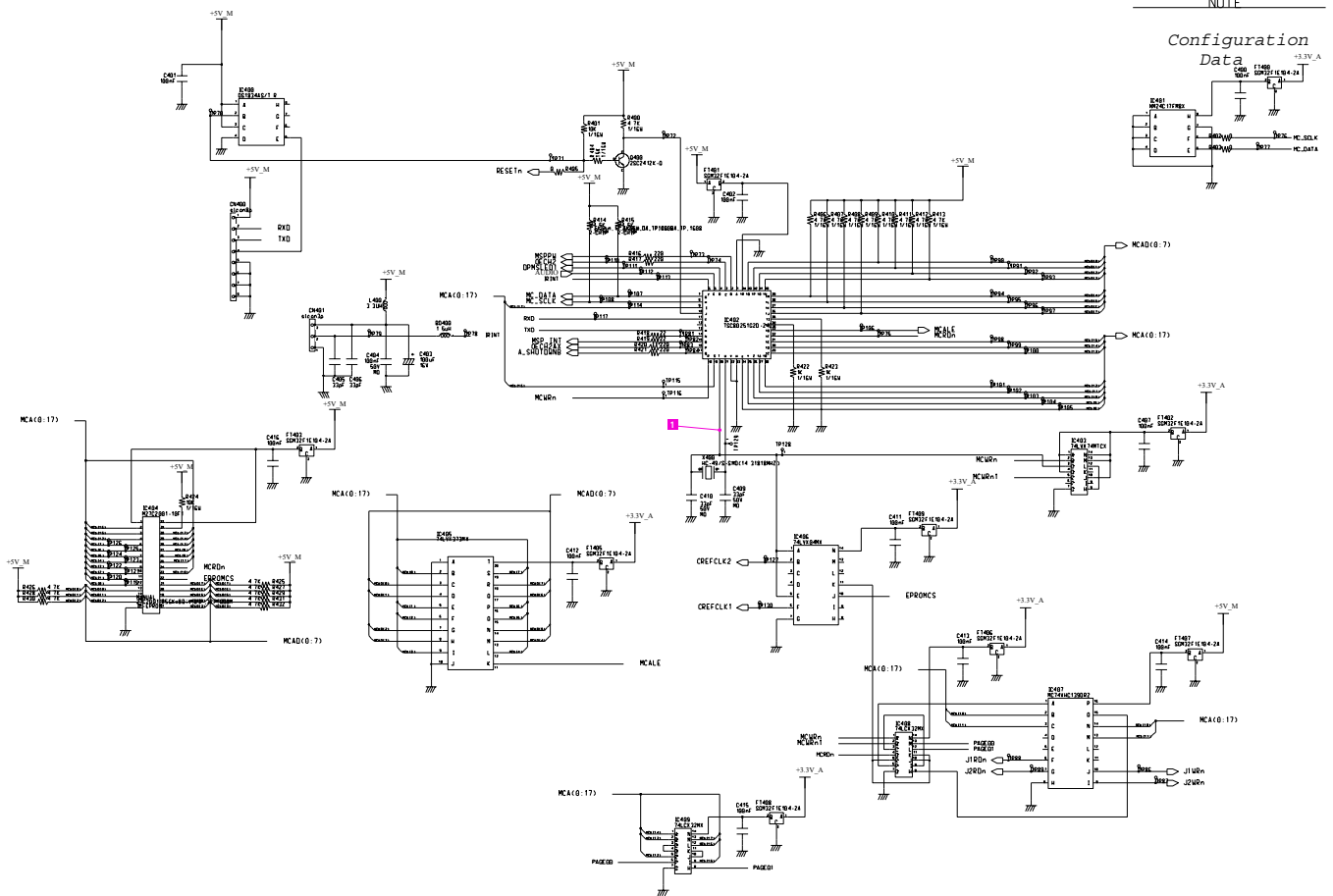
10 Schematic Diagrams

10-1 RUBENS_PAL_Top Parts Schematic Diagram

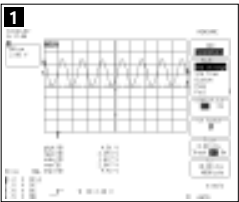


CONFIDENTIAL**10-2 RUBENS_PAL_Micom Parts Schematic Diagram**

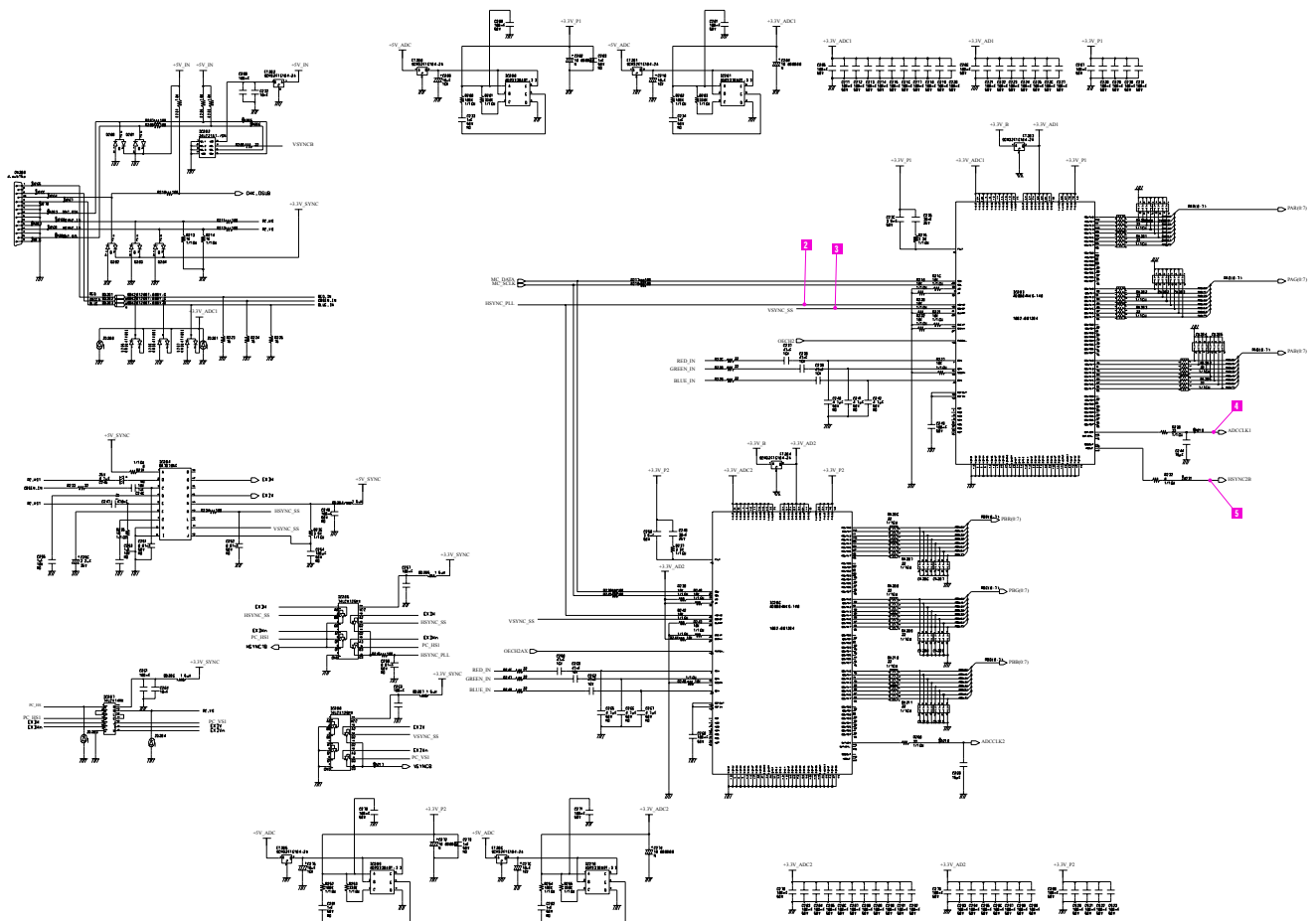
NOTE

Configuration
Data

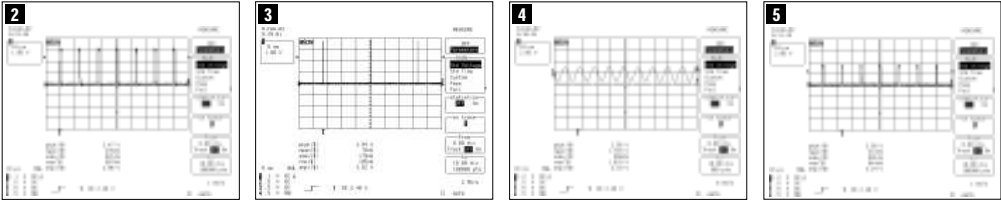
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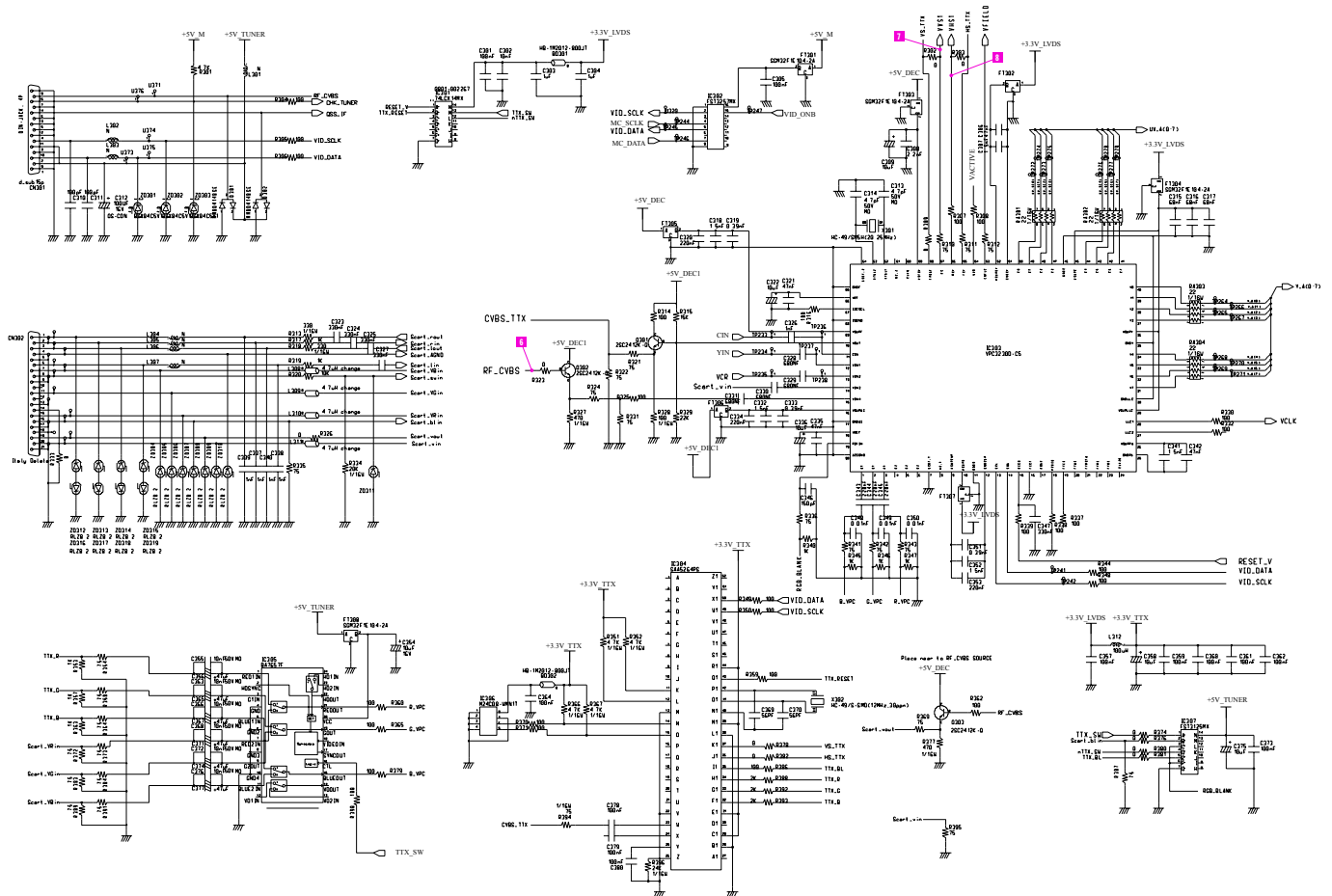
10-3 RUBENS_PAL_ADC Parts Schematic Diagram



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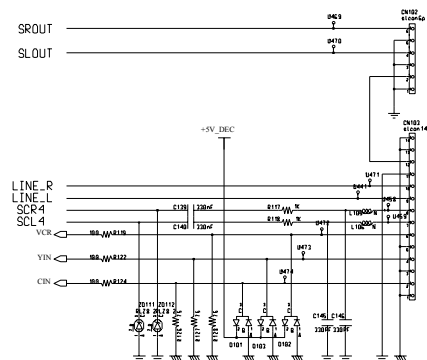
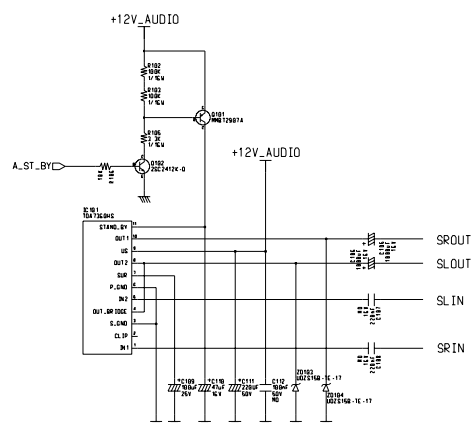
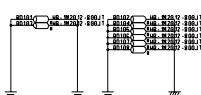
10-4 RUBENS_PAL_Video Parts Schematic Diagram



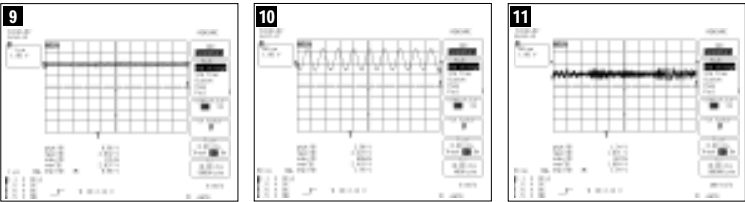
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10-8

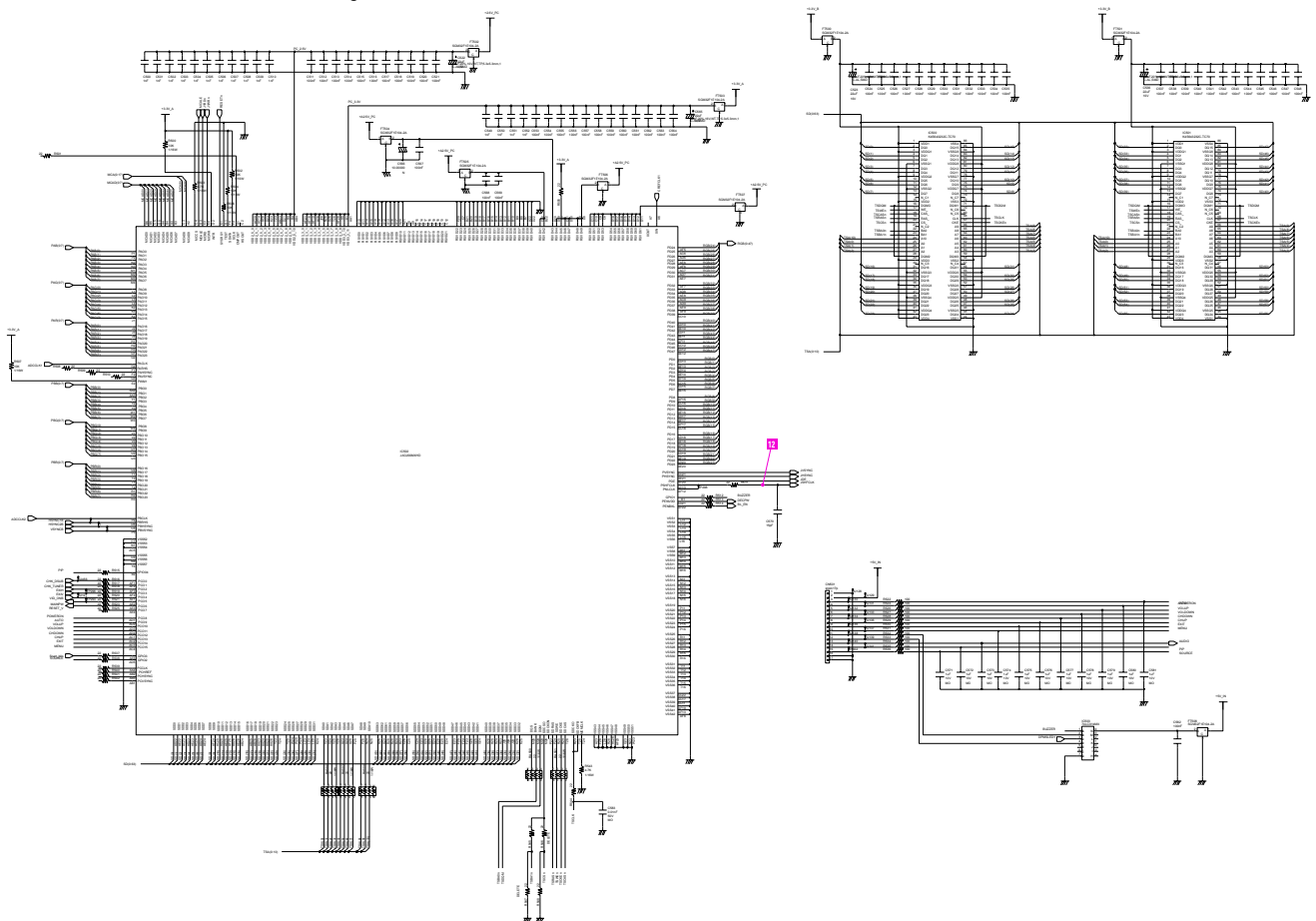


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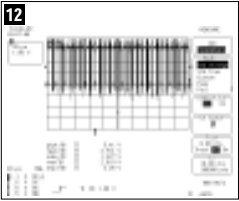


10-6 RUBENS_PAL_J200_PC Part Schematic Diagram

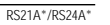
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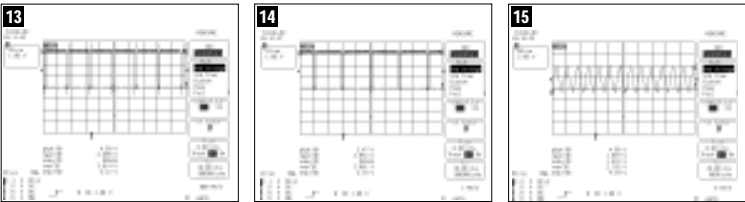
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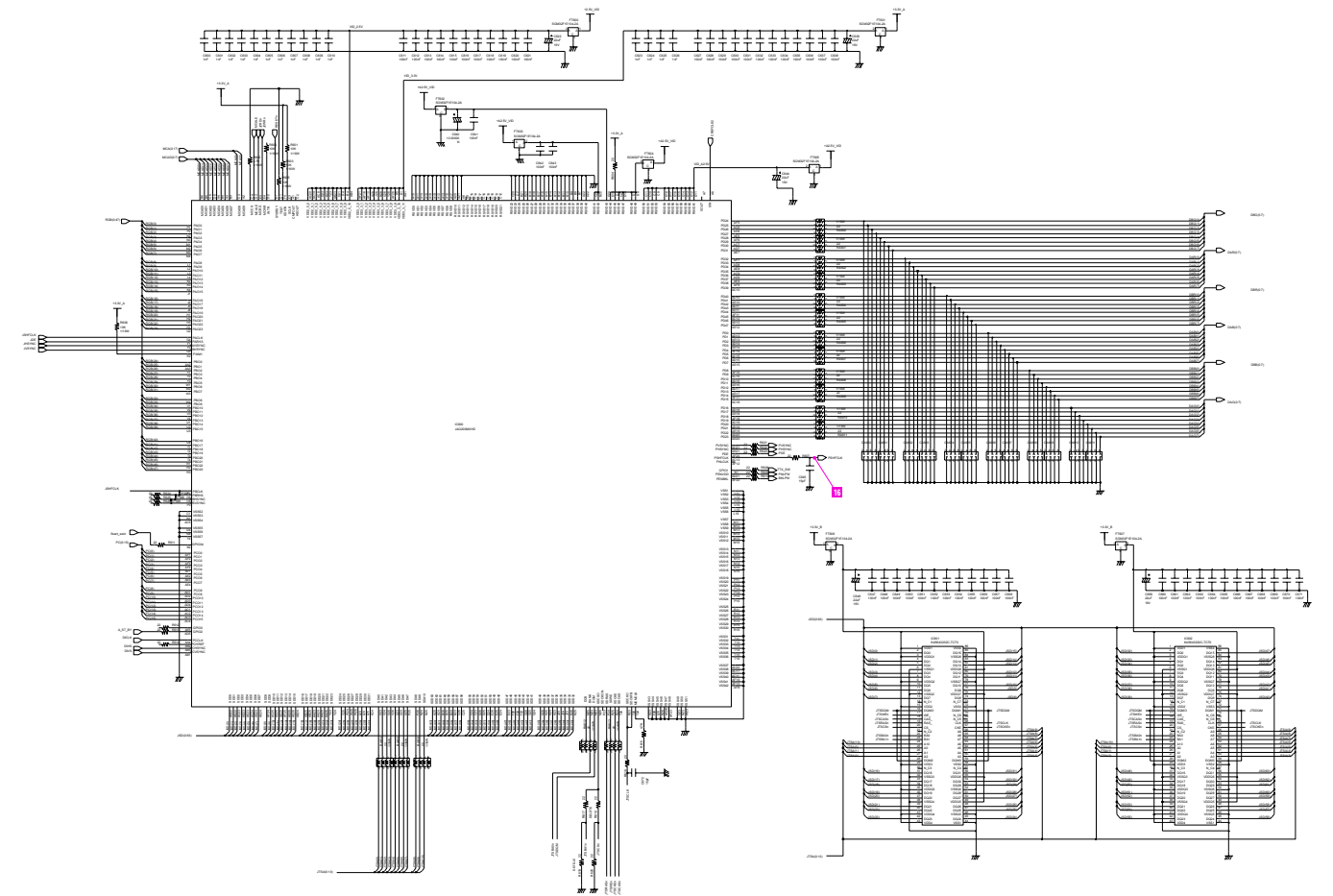
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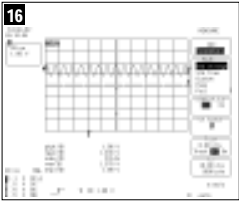
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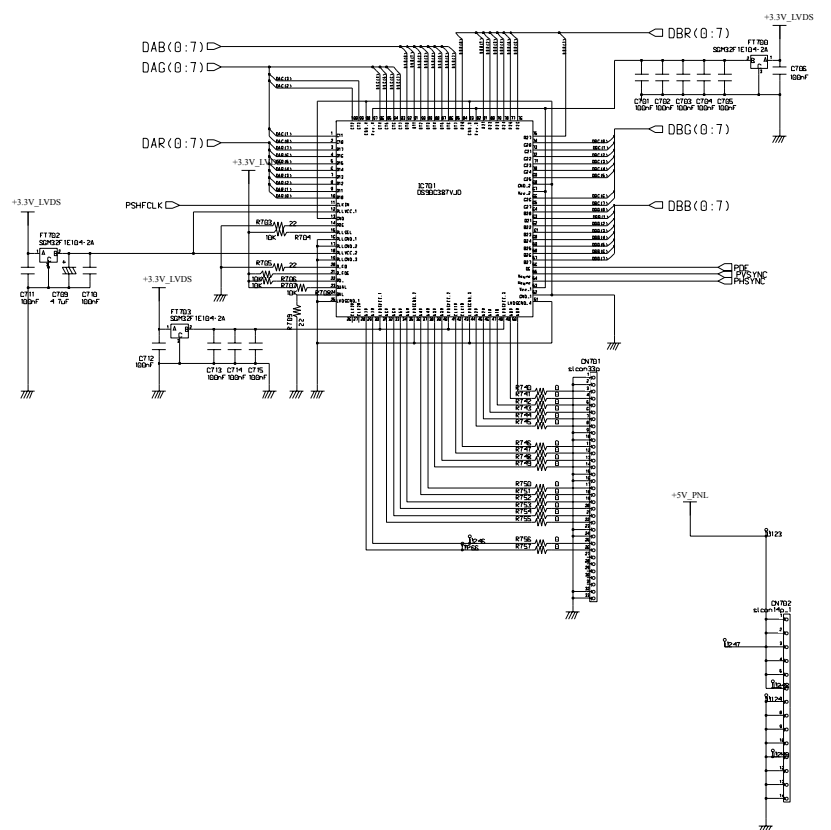
10-8 RUBENS_PAL_J200_VID Parts Schematic Diagram



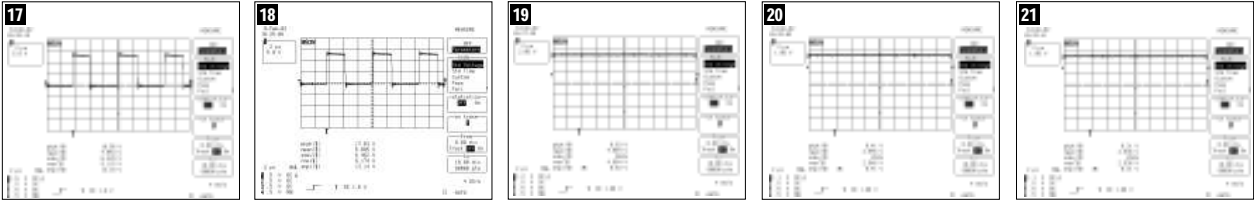
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The schematic diagram illustrates the PANEL INVERTER circuit. It features three main integrated circuits: FT232RL (IC104-28) for RS-485 communication, ICD3000 (IC103) for data processing, and CH700 (IC101) for output control. The circuit is powered by a +5V_P supply and a +14V_INV supply. Key components include resistors (10k, 1k, 100k, 100Ω) and capacitors (100nF, 100μF, 10μF). The output is connected to a 12V_P supply and a 17pin connector. The circuit is labeled with component values and pin numbers, and includes a title 'PANEL INVERTER'.



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