

SAMSUNG

LCD-TV

Chassis
NF32EO

Model
LW32A33W

SERVICE *Manual*

LCD-TV



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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).

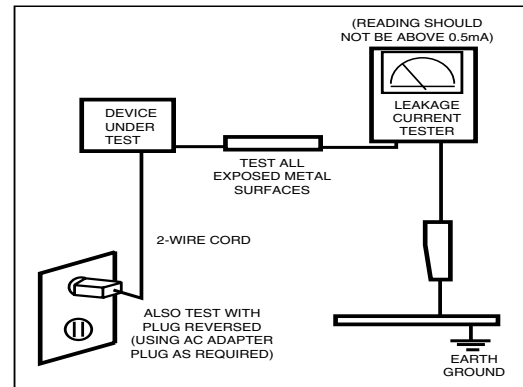


Figure 1-1. Leakage Current Test Circuit

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 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 transmissive, (32 -Inch) viewable, 0.537 mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz	Vertical : 56 Hz ~ 75 Hz
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog, 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated	
Input Sync Signal	Type : Separate H/V sync, Composite H/V, Sync-on-Green Level : TTL level	
AC power voltage & Frequency	AC 100 ~ 240 V, 50 ~ 60 Hz	
Power Consumption	170W (max)	
Dimensions Set (W x D x H)	33.9 x 12.9 x 23.9 Inches (862 x 328 x 606.2 mm) State of stand installed 33.9 x 5.0 x 23.0 Inches (862 x 125.8 x 584.7 mm) State of stand disassembled	
Package (W x D x H)	40.2 x 13.0 x 33.5 Inches (1,020 x 330 x 850 mm)	
Weight (Set / Package)	23 kg (50.7 lbs) State of stand installed / 30.5 kg (67.2 lbs)	
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
TV System	Color	PAL, SECAM, NTSC4.43
	Sound	BG, DK, L, I
Antenna Input	75Ω, Coaxial Cable	
Sound Characteristics	<ul style="list-style-type: none">•Max Internal speaker Out Main : Right -> 10 W / Left -> 10 W•Bass control Range : -6 ± -12dB ~ +6 ± 12dB•Treble control Range : -10 ± -12dB ~ +10 ± 12dB•Output frequency : RF< 80 Hz~15 kHz / A/V< 80 Hz~20 kHz•Line out : RF< 80 Hz~15 kHz / A/V< 80 Hz~20 kHz	
<ul style="list-style-type: none">•SyncMaster comply with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.•Designs and specifications are subject to change without prior notice.		

2-2 Pin Assignments

2-2-1 DVI / PC

Pin No.	30 Pin Signal Cable (DVI Analog)	Pin No.	30 Pin Signal Cable (DVI Analog)
1	RX2+	16	GND
2	RX2-	17	Check • D-Sub
3	GND	18	GND
4	RX1+	19	DDC_5V
5	RX1-	20	DDC_5V
6	GND	21	GND
7	RX0+	22	V/Sync
8	RX0-	23	GND
9	GND	24	H/Sync
10	RXC+	25	GND
11	RXC-	26	Blue
12	GND	27	GND
13	DDC (Clock)	28	Green
14	DDC (Data)	29	GND
15	GND	30	Red

2-2-2 DVD, DTV

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 No.	Separate Sync
1	GND
2	Y
3	C
4	GND
5	GND

2-2-4 A / V

RCA Green	CVBS
RCA Blue	Audio L
	GND
RCA Red	Audio R
	GND

2-2-5 SCART

Pin	Function	Pin	Function
1	Audio output (right)	11	Green color input
2	Audio input (right)	12	Future use
3	Audio output (left)	13	GND
4	GND	14	GND
5	GND	15	Red color input
			Choma input
6	Audio input (left)	16	RGB Blanking signal input
7	Blue color input	17	GND
	Choma output		
8	A/V Switching Voltage input	18	Video output (CVBS or Y)
9	GND	19	Video input (CVBS or Y)
10	AV-Link control in / output	20	GND

2-2-6 HDMI

Type A pin	Signal Name	Wire
1	TMDS Data2+	TMDS Signal wire
2	TMDS Data2 Shield	TMDS Shield
3	TMDS Data2-	TMDS Signal wire
4	TMDS Data1+	TMDS Signal wire
5	TMDS Data1 Shield	TMDS Shield
6	TMDS Data1-	TMDS Signal wire
7	TMDS Data0+	TMDS Signal wire
8	TMDS Data0 Shield	TMDS Shield
9	TMDS Data0-	TMDS Signal wire
10	TMDS Clock+	TMDS Signal wire
11	TMDS Clock Shield	TMDS Shield
12	TMDS Clock-	TMDS Signal wire
13	CEC	Control
14	Reserved (in cable but N.C on device)	Control
15	SCL	Control
16	SDA	Control
17	DDC/CEC Ground	Control
18	+5V Power	5 Volts Power Wire
19	Hot Plug Detect	Control

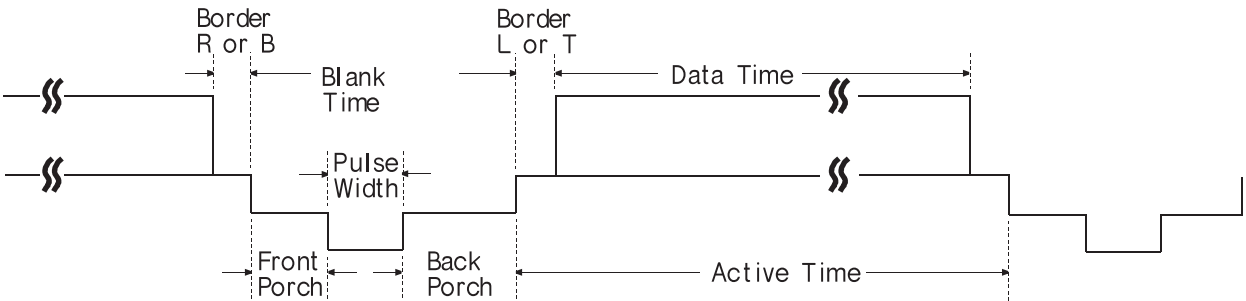
2-3 Timing Chart

2-3-1 Recommended display mode 1280 X 768 60Hz

You can have the optimum display in the same mode as the panel pixel.

Table 2-1 Timing chart (*Panel Mode*)

Timing No.	
Originator	VESA
Mode	1280/60Hz
Resolution (HxV)	1280x768
HORIZONTAL	
Frequency	47.700kHz
Total time	20.964 μ s
Active time	15.973 μ s
Blank time	4.992 μ s
Border (L / R)	0.000 μ s
Data time	15.964 μ s
Front porch	0.799 μ s
Sync. width	1.697 μ s
Back porch	2.496 μ s
Sync. polarity	Negative
VERTICAL	
Frequency	60.000Hz
Total time	16.667ms
Active time	16.101ms
Blank time	0.566ms
Border (T / B)	0.000ms
Data time	16.101ms
Front porch	20.964ms
Sync. width	62.893ms
Back porch	482.180
Sync. polarity	Positive
Dot Clock	80.136MHz
Sync. Type	Separate
Scan Type*	N/I



2-3-2 Other display mode (PC)

Resolution : 640X480, Horizontal Frequency : 72Hz Spec. VESA

Resolution : 640X480, Horizontal Frequency : 75Hz Spec. VESA

Resolution : 640X480, Horizontal Frequency : 67Hz Spec. VESA

Resolution : 640X480, Horizontal Frequency : 60Hz Spec. IBM

Resolution : 720X400, Horizontal Frequency : 70Hz Spec. IBM

Table 2-2 Timing chart (Continued)

Timing No. Originator Mode Resolution (HxV)	9 VESA 640/72Hz 640x480	15 VESA 640/75Hz 640x480	73 MAC 640/67Hz 640x480	3 IBM VGA3 640x480	2 IBM VGA2 720x400
HORIZONTAL Frequency	37.861kHz	37.500kHz	35.000kHz	31.469kHz	31.469kHz
Total time	26.413 μ s	26.667 μ s	28.571 μ s	31.778 μ s	31.777 μ s
Active time	20.825 μ s	20.317 μ s	21.164 μ s	26.058 μ s	26.058 μ s
Blank time	5.587 μ s	6.349 μ s	7.407 μ s	5.720 μ s	5.720 μ s
Border (L / R)	0.254 μ s	0.000 μ s	0.000 μ s	0.318 μ s	0.318 μ s
Data time	20.317 μ s	20.317 μ s	21.164 μ s	25.422 μ s	25.422 μ s
Front porch	0.508 μ s	0.508 μ s	2.116 μ s	0.318 μ s	0.318 μ s
Sync. width	1.270 μ s	2.032 μ s	2.116 μ s	3.813 μ s	3.813 μ s
Back porch	3.810 μ s	3.810 μ s	3.175 μ s	1.589 μ s	1.589 μ s
Sync. polarity	Negative	Negative	Negative	Negative	Negative
VERTICAL Frequency	72.809Hz	75.000Hz	66.667Hz	59.940Hz	70.087Hz
Total time	13.735ms	13.333ms	15.000ms	16.683ms	14.268ms
Active time	13.101ms	12.800ms	13.714ms	15.761ms	13.155ms
Blank time	0.634ms	0.533ms	1.286ms	0.922ms	1.113ms
Border (T / B)	0.211ms	0.000ms	0.000ms	0.254ms	0.222ms
Data time	12.678ms	12.800ms	13.714ms	15.253ms	12.711ms
Front porch	0.026ms	0.027ms	0.086ms	0.064ms	0.191ms
Sync. width	0.079ms	0.080ms	0.086ms	0.064ms	0.064ms
Back porch	0.528ms	0.427ms	1.114ms	0.794ms	0.858ms
Sync. polarity	Negative	Negative	Negative	Negative	Positive
Dot Clock	31.500MHz	31.500MHz	30.240MHz	25.175MHz	28.322MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type*	N/I	N/I	N/I	N/I	N/I

2-3-3 Other display mode (PC)

Resolution : 800X600, Vertical Frequency : 60Hz Spec. VESA
 Resolution : 800X600, Vertical Frequency : 72Hz Spec. VESA
 Resolution : 800X600, Vertical Frequency : 75Hz Spec. VESA
 Resolution : 832X624, Vertical Frequency : 75Hz Spec. MAC
 Resolution : 1024X768, Vertical Frequency : 60Hz Spec. VESA

Table 2-3 Timing chart (Continued)

Timing No. Originator Mode Resolution (HxV)	11 VESA 800/60Hz 800x600	12 VESA 800/72Hz 800x600	18 VESA 800/75Hz 800x600	74 MAC 832/75Hz 832x624	13 VESA 1024/60Hz 1024x768
HORIZONTAL Frequency	37.879kHz	48.077kHz	46.875kHz	49.726kHz	48.363kHz
Total time	26.400 μ s	20.800 μ s	21.333 μ s	20.110 μ s	20.677 μ s
Active time	20.000 μ s	16.000 μ s	16.162 μ s	14.524 μ s	15.754 μ s
Blank time	6.400 μ s	4.800 μ s	5.171 μ s	5.171 μ s	4.923 μ s
Border (L / R)	0.000 μ s	0.000 μ s	0.000 μ s	0.000 μ s	0.000 μ s
Data time	20.000 μ s	16.000 μ s	16.162 μ s	14.524 μ s	15.754 μ s
Front porch	1.000 μ s	1.120 μ s	0.323 μ s	0.559 μ s	0.369 μ s
Sync. width	3.200 μ s	2.400 μ s	1.616 μ s	1.117 μ s	2.092 μ s
Back porch	2.200 μ s	1.280 μ s	3.232 μ s	3.910 μ s	2.462 μ s
Sync. polarity	Positive	Positive	Positive	Positive	Negative
VERTICAL Frequency	60.317Hz	72.188Hz	75.000Hz	74.551Hz	60.000Hz
Total time	16.579ms	13.853ms	13.333ms	13.414ms	16.666ms
Active time	15.840ms	12.480ms	12.800ms	12.549ms	15.880ms
Blank time	0.739ms	1.373ms	0.533ms	0.864ms	0.786ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.678ms	12.480ms	12.800ms	12.549ms	15.880ms
Front porch	0.026ms	0.770ms	0.021ms	0.020ms	0.062ms
Sync. width	0.079ms	0.125ms	0.064ms	0.060ms	0.124ms
Back porch	0.528ms	0.478ms	0.448ms	0.784ms	0.600ms
Sync. polarity	Positive	Positive	Positive	Positive	Negative
Dot Clock	40.000MHz	50.000MHz	49.500MHz	49.500MHz	65.000MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

Table 2-4 Timing chart (Continued)

Timing No.	14	17
Originator	VESA	VESA
Mode	1024/70Hz	1024/75Hz
Resolution (HxV)	1024x768	1024x768
HORIZONTAL		
Frequency	56.476kHz	60.023kHz
Total time	17.707 μ s	16.660 μ s
Active time	13.653 μ s	13.003 μ s
Blank time	4.053 μ s	3.657 μ s
Border (L / R)	0.000 μ s	0.000 μ s
Data time	13.653 μ s	13.003 μ s
Front porch	0.320 μ s	0.203 μ s
Sync. width	1.813 μ s	1.219 μ s
Back porch	1.920 μ s	2.235 μ s
Sync. polarity	Negative	Positive
VERTICAL		
Frequency	70.069Hz	75.029Hz
Total time	14.272ms	13.328ms
Active time	13.599ms	12.795ms
Blank time	0.673ms	0.533ms
Border (T / B)	0.000ms	0.000ms
Data time	13.599ms	12.795ms
Front porch	0.053ms	0.017ms
Sync. width	0.106ms	0.050ms
Back porch	0.513ms	0.466ms
Sync. polarity	Negative	Positive
Dot Clock	75.000MHz	78.750MHz
Sync. Type	Separate	Separate
Scan Type	N/I	N/I

Table 2-5 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	M	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	A	Microampere
C	Degree Celsius	F	Microfarad
F	Degree Fahrenheit	H	Microhenry
K	degree Kelvin	m	Micrometer
F	Farad	s	Microsecond
G	Gauss	W	Microwatt
GHz	Gigahertz	mA	Milliampere
g	Gram	mg	Milligram
H	Henry	mH	Millihenry
Hz	Hertz	ml	Milliliter
h	Hour	mm	Millimeter
ips	Inches Per Second	ms	Millisecond
kWh	Kilowatt-hour	mV	Millivolt
kg	Kilogram	nF	Nanofarad
kHz	Kilohertz		Ohm
k	Kilohm	pF	Picofarad
km	Kilometer	lb	Pound
km/h	Kilometer Per Hour	rpm	Revolutions Per Minute
kV	Kilovolt	rps	Revolutions Per Second
kVA	Kilovolt-ampere	s	Second (Time)
kW	Kilowatt	V	Volt
l	Liter	VA	Volt-ampere
MHz	Megahertz	W	Watt
		Wh	Watt-hour

Table 2-6 Table of Acronyms

ABL	Automatic Brightness Limiter	I/O	Input/output
AC	Alternating Current	L	Left
ACC	Automatic Chroma Control	L	Low
AF	Audio Frequency	LED	Light Emitting Diode
AFC	Automatic Frequency Control	LF	Low Frequency
AFT	Automatic Fine Tuning	MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
AGC	Automatic Gain Control	MTS	Multi-channel Television Sound
AM	Amplitude Modulation	NAB	National Association of Broadcasters
ANSI	American National Standards Institute	NEC	National Electric Code
APC	Automatic Phase Control	NTSC	National Television Systems Committee
APC	Automatic Picture Control	OSD	On Screen Display
A/V	Audio-Video	PCB	Printed Circuit Board
AVC	Automatic Volume Control	PLL	Phase-Locked Loop
BAL	Balance	PWM	Pulse Width Modulation
BPF	Bandpass Filter	QIF	Quadrature Intermediate Frequency
B-Y	Blue-Y	R	Right
CATV	Community Antenna Television (Cable TV)	RC	Resistor & Capacitor
CB	Citizens Band	RF	Radio Frequency
CCD	Charge Coupled Device	R-Y	Red-Y
CCTV	Closed Circuit Television	SAP	Second Audio Program
Ch	Channel	SAW	Surface Acoustic Wave(Filter)
CRT	Cathode Ray Tube	SIF	Sound Intermediate Frequency
CW	Continuous Wave	SMPS	Switching Mode Power Supply
DC	Direct Current	S/N	Signal/Noise
DVM	Digital Volt Meter	SW	Switch
EIA	Electronics Industries Association	TP	Test Point
ESD	Electrostatic Discharge	TTL	Transistor Transistor Logic
ESD	Electrostatically Sensitive Device	TV	Television
FBP	Feedback Pulse	UHF	Ultra High Frequency
FBT	Flyback Transformer	UL	Underwriters Laboratories
FF	Flip-Flop	UV	Ultraviolet
FM	Frequency Modulation	VCD	Variable-Capacitance Diode
FS	Fail Safe	VCO	Voltage Controlled Oscillator
GND	Ground	VCXO	Voltage Controlled Crystal Oscillator
G-Y	Green-Y	VHF	Very High Frequency
H	High	VIF	Video Intermediate Frequency
HF	High-Frequency	VR	Variable Resistor
HI-FI	High Fidelity	VTR	Video Tape Recorder
IC	Inductance-Capacitance	VTVM	Vacuum Tube Voltmeter
IC	Integrated Circuit	TR	Transistor
IF	Intermediate Frequency		

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LW32A33W monitor.

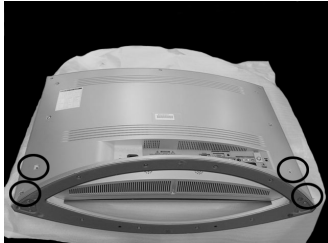
WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

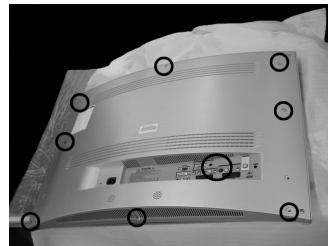
Cautions: 1. Disconnect the monitor from the power source before disassembly.

2. Follow these directions carefully; never use any metal instrument except provided jig to separate the cabinet.

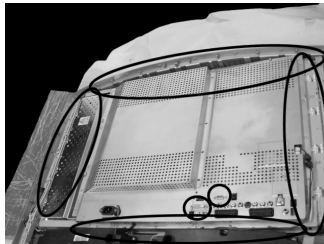
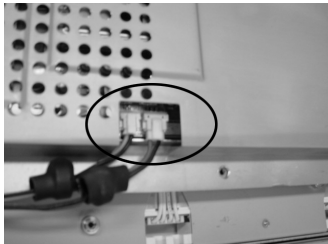
3. R/Cover opening jig : BH81-00001A



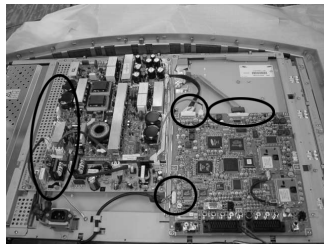
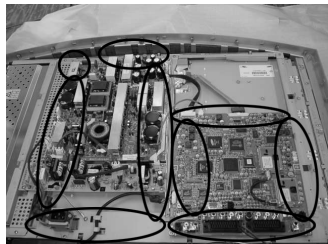
1. Place LCD TV face down on cushioned table. Remove 4 screws from grip on the stand and remove the stand.



2. Remove 10 screws from the rear cover and lift up the rear cover.



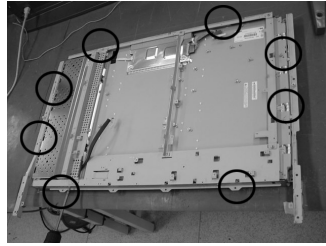
3. Disconnect speaker cable from the shield and remove 21 screws from the shield.



4. Remove 17 screws from the boards and disconnect LVDS cable, inverter cable from the boards.



5. Remove 20 screws from the cabinet BRKT and lift up the panel.



6. Remove 4 screws from the panel BRKT.
(Top/Bottom)
Disconnect BRKT from the panel.



7. Remove 4 screws from the panel BRKT.
(Left/Right)
Disconnect BRKT from the panel.

3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

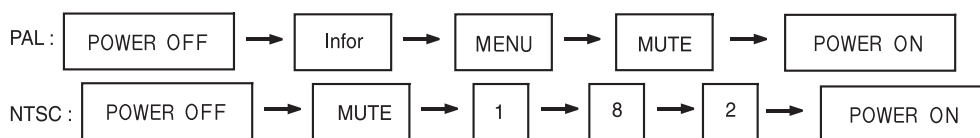
4 Alignments and Adjustments

4-1 Factory Mode Adjustments

4-1-1 Entering Factory Mode

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

- If you do not have Factory remote - contro



- If you have Factory remote - control



1. Calibration	
2. Option Table	0146
3. Color Control	
4. PW565	
5. VPC3230	
6. ADC	
7. DNIE	
8. MDIN-150	
9. 3D Comb	
10. Adjust	
11. Test Pattern	
12. Checksum	0000
13. Reset	

01. Calibration

1. Calibration	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
DTV Calibration		-				White Balance Alignment (720p/1080i)		
PC Calibration		-					White Balance Alignment	

02. Option

2. Option	Regional Option	EU		USA	Korea	Japan	Southeast Asia		
DebugExpress	Off	Off							
Lna	On	On							
Melody Volume	10	10							
DnieDemo	On	On							
I2c Bus Stop	Off	Off							
Video Mute	3	3							
DECS Demo [PW565 Gamma Correction]	Off	On							
YB_1 [PW565 Gamma Correction]	120	120							
YB_2 [PW565 Gamma Correction]	200	200							
Xth_1 [PW565 Gamma Correction]	110	110							
Xth_2 [PW565 Gamma Correction]	190	190							
Sub-Woofer	Off	Off							
Corner Freq.	15	15							
NR	On	On							
PCC	Off	On							
Lang.	English	English	English	Korea	Japan	English			
TTX List	FLOP	FLOP							
TTX Top	On	Off							
TTX Gr.	Osd Language	Osd Language							
Auto FM	Off	Off							
Help	On	On							
Area	CW	CW	CN	CN	CN	CS			
Panel Life Time:	Day h m	0Day 17h 04m							

03. Color Control

3. Color Control	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
PW565 white balance								
Sub-Brightness	128	Low Light Luminance Level Adjust (153) -.PAL: 280/290 1.6[cd/m2] at "Standard Mode"				Low Light Luminance Level Adjust	Low Light Luminance Adjust (146)	
Red Offset	128 (Fixed)		128			128		128
Green Offset	128 (Fixed)		128			128		128
Blue Offset	128 (Fixed)		128			128		128
Sub-Contrast	100 (Fixed)		60			60		60
Red Gain	128 (Fixed)		128			128		128
Green Gain	128 (Fixed)		128			128		128
Blue Gain	128 (Fixed)		128			128		128
DNle white balance								
Sub-Brightness	128 (Fixed)		128			128		128
Red Offset	128	Low Light Alignment (x) -.PAL: 280/290 1.6[cd/m2] at "Standard Mode"				Low Light Alignment (x)	Low Light Alignment (x) -.NTSC: 265/265 1.6[cd/m2]	
Green Offset	128 (Fixed)		128			128		128
Blue Offset	128	Low Light Alignment (y) -.PAL: 280/290 1.6[cd/m2] at "Standard Mode"				Low Light Alignment (y)	Low Light Alignment (y) -.PAL: 280/290 1.6[cd/m2]	
Sub-Contrast	128 (Fixed)		128			128		128
Red Gain	128	High Light Alignment (x) -.PAL: 280/290 1.6[cd/m2] at "Standard Mode"				High Light Alignment (x)	High Light Alignment (x) -.PAL: 280/290 1.6[cd/m2]	
Green Gain	128 (Fixed)		128			128		128
Blue Gain	128	High Light Alignment (y) -.PAL: 280/290 1.6[cd/m2] at "Standard Mode"				High Light Alignment (y)	High Light Alignment (y) -.PAL: 280/290 1.6[cd/m2]	

1) CALIBRATION

- DTV CALIBRATION
- PC CALIBRATION

2) RF/AV Adjustment

- LOW LIGHT Adjustment (low light : 1.3, LOW : 285/295, HIGH : 285/295)
- PW565 : SUB BRIGHT Adjustment (low light : 1.3)
- DNIE ; COLOR COORDINATE 285/295
- (LOW LIGHT Adjustment : RGB OFFSET, HIGH LIGHT Adjustment : RGB GAIN)

3) COMPONENT Adjustment : 2mode 720P/480P

- LOW LIGHT Adjustment (low light : 1.3, 285/295)
- 9883 : Y OFFSET Adjustment (low light luminance : 1.3)
- 9883 : COLOR COORDINATE
- (LOW LIGHT : Pb, Pr offset, HIGH LIGHT : no Adjustment = calibration first state)
- Adjustment mode (720P, 480P Two MODE)

4) PC Adjustment

- LOW LIGHT COLOR COORDINATE Adjustment (285/295)
- 9883 : GREEN OFFSET NO Adjustment (low light luminance : NO Adjustment)
- 9883 : COLOR COORDINATE
- (LOW LIGHT : RED, BLUE offset, HIGH LIGHT : no Adjustment calibration first state)

5) DVI Adjustment

- RF DATA identical

6) HDMI Adjustment

- RF DATA identical (no Adjustment)

* Luminance alignment at Low Light White Balance of Component Source (PW565 Sub-Brightness)

- 1080i/720p Sub-Brightness: Align White Balance using ABL Pattern
- 480i/480p Sub-Brightness: Micom Offset Formula = (Aligned Sub-Brightness Value at 1080i/720p) - 4

* White Balance Alignment Spec.

- Low Light (Y, x/y) = 1.6 +/- 0.2, 280/290 +/- 5 at "Standard" Picture Mode
- High Light (Y, x/y) = 45 +/- 10, 280/290 +/- 3 at "Standard" Picture Mode

4 Alignments and Adjustments

04. PW565

4. PW565	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
Red Gain	128 (Fixed)				128			
Green Gain	128 (Fixed)				128			
Blue Gain	128 (Fixed)				128			
Red Offset	128 (Fixed)				128			
Green Offset	128 (Fixed)				128			
Blue Offset	128 (Fixed)				128			

05. VPC3230

5. VPC3230	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
CT	30		30				Don't care	
BR	90	User Brightness Level (00 ~ 50): 7D User Brightness Level (50~100): 7D~90, Linear User Brightness Level (100):90					Don't care	
ACC_SAT	90		80				Don't care	
TINT	32		2E				Don't care	
SATCb	24		24				Don't care	
SATCr	2B		2B				Don't care	
CIPTINT	1F		Don't care		20		Don't care	
CIPBR	C5		Don't care		B5		Don't care	
CIPCT	29		Don't care		2A		Don't care	
PFS [Horizontal LPF for Y/C]	00	02	02				Don't care	
PK	00		01				Don't care	
VPK	02		01				Don't care	
LPF2	00		00		Don't care		Don't care	
CBW2 [Hor. LPF for high-resolution Chroma]	00		00		Don't care		Don't care	
CBW [Chroma Bandwidth Selector]	03		03		Don't care		Don't care	
IFC	03	03	00		Don't care		Don't care	
KILVL	0A		0B		Don't care		Don't care	
LDLY	09		07				Don't care	
PKCOR	00		01				Don't care	
FB_GAIN	22		Don't care		22		Don't care	

06. ADC

6. ADC	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
Red Gain	140		Don't care			8C	8C	Don't care
Green Gain	140		Don't care			8C	8C	Don't care
Blue Gain	140		Don't care			8C	8C	Don't care
Red Offset	126		Don't care			7E	7E	Don't care
Green Offset	126		Don't care			7E	7E	Don't care
Blue Offset	126		Don't care			7E	7E	Don't care
Current	0		Don't care			00	00	Don't care
VCO	0		Don't care			00	00	Don't care
Pr Gain	160		Don't care			A0	A0	Don't care
Y Gain	160		Don't care			A0	A0	Don't care
Pb Gain	160		Don't care			A0	A0	Don't care
Pr Offset	127		Don't care			7F	7F	Don't care
Y Offset	127		Don't care			7F	7F	Don't care
Pb Offset	127		Don't care			7F	7F	Don't care

07. DNIE

7. DNIE	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
Pattern SEL	0				0			
NR_LimitY	125				100			
NR_LimitC	129				120			
NR_SEL	2				2			
DEP_Gain1_X [Horizontal High Frequency]	49		20			10		->
DEP_Gain1_Y [Vertical High Frequency]	6		20			10		->
DEP_Gain2_X [Horizontal Low Frequency]	9		10			5		->
DEP_Gain2_Y [Vertical Low Frequency]	5		10			5		->
DEP_Scale_R	64		45			35		->
DEP_SUP_SCALEDTH1	3			3			3	
DEP_SUP_SCALEDTHF	107			107			107	
WTE_MCCT_FAC	150			150			150	
DCE_Adap_SEL	2		2			2		2
BS_Tilt [Black Stretch]	80 (64)			80			64	
BS_GainMax [Black Stretch]	330 (330)				330			
NE_Core	3				3			
NE_RTH2	3				3			
CTE_H_Min	60				60			

08. MDIN-150

8. MDIN-150	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
Front Noise Reduction Filter								
Noise_Redaction_Flt0	0	0				Don't care		
Noise_Redaction_Flt1	0	0				Don't care		
Noise_Redaction_Flt2	0	0				Don't care		
Noise_Redaction_Flt3	0	0				Don't care		
Noise_Redaction_Flt4	0	0				Don't care		
Noise_Redaction_Flt5	0	0				Don't care		
Noise_Redaction_Flt6	0	0				Don't care		
Noise_Redaction_Flt7	0	0				Don't care		
Noise_Redaction_Flt_ON	0	0				Don't care		
Noise_Redaction_Flt_Difference	0	0				Don't care		
Medeian_Flt_On	0	0				Don't care		
Medeian_Flt_Difference	0	0				Don't care		
Noise_Redaction_Flt_Diff_Sel	0	0				Don't care		
Horizontal Peaking Filter								
H_peaking_Flt0	256	0				Don't care		
H_peaking_Flt1	0	0				Don't care		
H_peaking_Flt2	896	896				Don't care		
H_peaking_Flt3	0	0				Don't care		
H_peaking_Flt4	0	0				Don't care		
H_peaking_Flt5	0	0				Don't care		
H_peaking_Flt6	0	0				Don't care		
H_peaking_Flt7	0	0				Don't care		
H_peaking_Flt_Enable	1	1				Don't care		
H_peaking_Flt_Gain	0	16				Don't care		
H_peaking_No_Sum	0	0				Don't care		
H_peaking_Inverse	0	0				Don't care		
Edge Enhancement Filter								
Edge_Cor_Offset	0 (4~8)	4				Don't care		
Edge_Enh_Level	0	1				Don't care		
Edge_Enh_2D_Flt_Enable	1	1				Don't care		

8. MDIN-150	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
Input Test Pattern								
In_Test_RGB	0	0				Don't care		
In_Test_Ptrn	0	0				Don't care		
In_Test_Format	0	0				Don't care		
Output Test Pattern								
Out_Test_Ptrn	0	0				Don't care		
Out_Dark_Scrn_Main	0	0				Don't care		
Deinterlace Control								
deint_Mode	1	1				Don't care		
Deint_C_Delay	0	0				Don't care		
Median_Tap	1	0				Don't care		
Expander_Tap	1	1				Don't care		
Dent_Thres	24	16				Don't care		
Fast_Mode	1	1				Don't care		
N_Median_Tap	1	1				Don't care		
D_Fast_Mode_Tress	4	2				Don't care		
N_Deint_Thres	24	26				Don't care		
Very_Fast_En	1	1				Don't care		
Deint_Edge_En	2	2				Don't care		
Deint_Edge_thres	255	255				Don't care		
Film_Invaild_Lines	8	8				Don't care		
Film32_Mo_Thres	160	160				Don't care		
Film_Mode	5	5				Don't care		
D_Film_Slide_Cnt	0	0				Don't care		
D_Film_Mode_Cor	40	40				Don't care		
Deint_Film_Puls	1	1				Don't care		
Deint_Film_Minus	3	3				Don't care		
Deint_Film_Max	3	3				Don't care		
Deint_Film_Min	0	0				Don't care		
Film_Mode_Thres	5	5				Don't care		
Bad_Edit_En	1	1				Don't care		
Caption_Mode	3	3				Don't care		
D_Caption_V_Pos1 160	160	160				Don't care		
Deint_Dispatch_Color	0	0				Don't care		
Dent_Dispatch_Mode	0	0				Don't care		

* Edge_Enh_Level Sharpness Jitter Noise

09. Adjust

9. Adjust	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
TTX-Bright.	20	20				Don't care		
TTX-Cont.	20	20				Don't care		
TTX-Sharp.	50	50				Don't care		
CarrierMute	42	42	Don't care			Don't care		
Pilot High	14	14	Don't care			Don't care		
Pilot Low	7	7	Don't care			Don't care		
LD rf pal-b/g	9	9	Don't care			Don't care		
LD rf pal-d/k	4	4	Don't care			Don't care		
LD rf pal-l	10	10	Don't care			Don't care		
LD rf secam-b/g	6	6	Don't care			Don't care		
LD rf secam-d/k	7	7	Don't care			Don't care		
LD rf secam-l/l	9	9	Don't care			Don't care		
LD rf ntsc4.43	9	9	Don't care			Don't care		
LD av pal	9	Don't care	9			Don't care		
LD av secam	9	Don't care	9			Don't care		
LD av ntsc3.57	9	Don't care	9			Don't care		
LD av ntsc4.43	9	Don't care	9			Don't care		
LD av pal60	9	Don't care	9			Don't care		
ValidLockCnt	2	2				Don't care		

10. Test Pattern

10. Test Pattern	Selected Source	RF	Video	S.Video	Scart RGB (Caption)	Component	PC	DVI/HDMI
1] Luma Ramp(16 Step)		-						
2] Luma Ramp(128 Step)		-						
3] White 16		-						
4] White 240		-						
5] Color Bar		-						
6] RGB Ramp(32 Step)		-						

* PW565 Internal Test Pattern

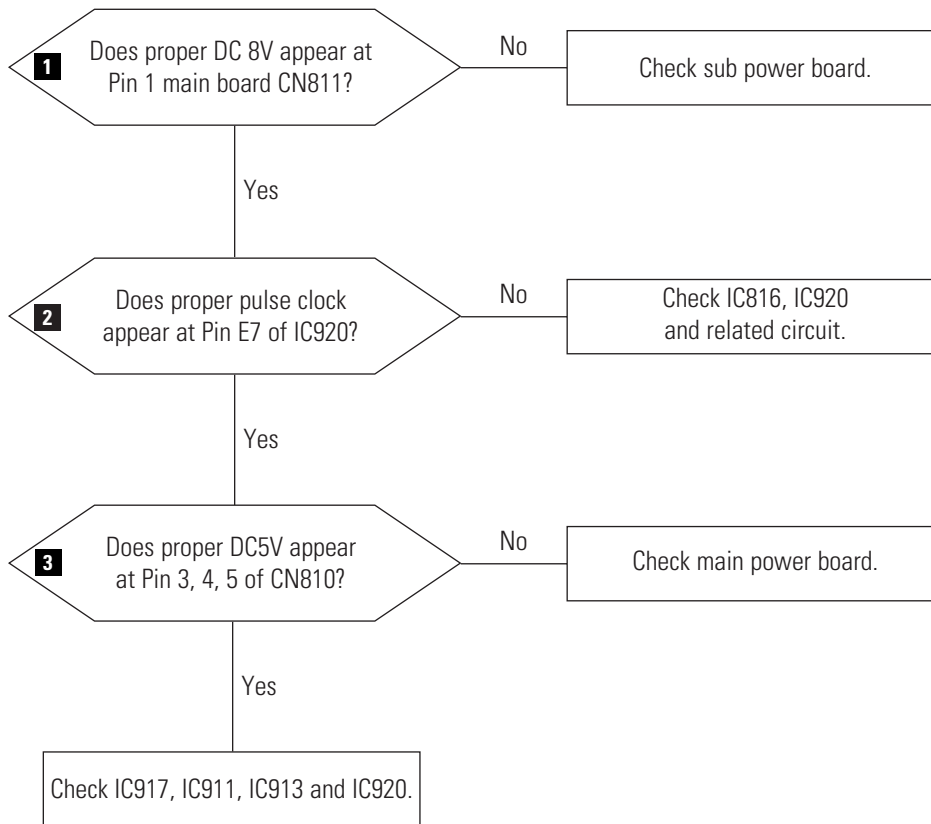
11. Checksum

5FE4

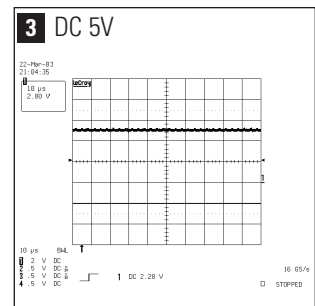
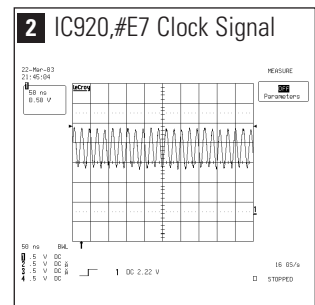
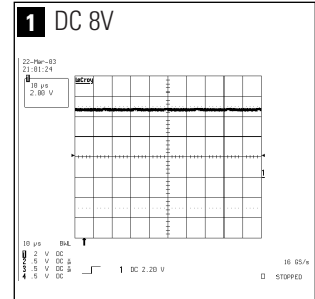
12. Reset

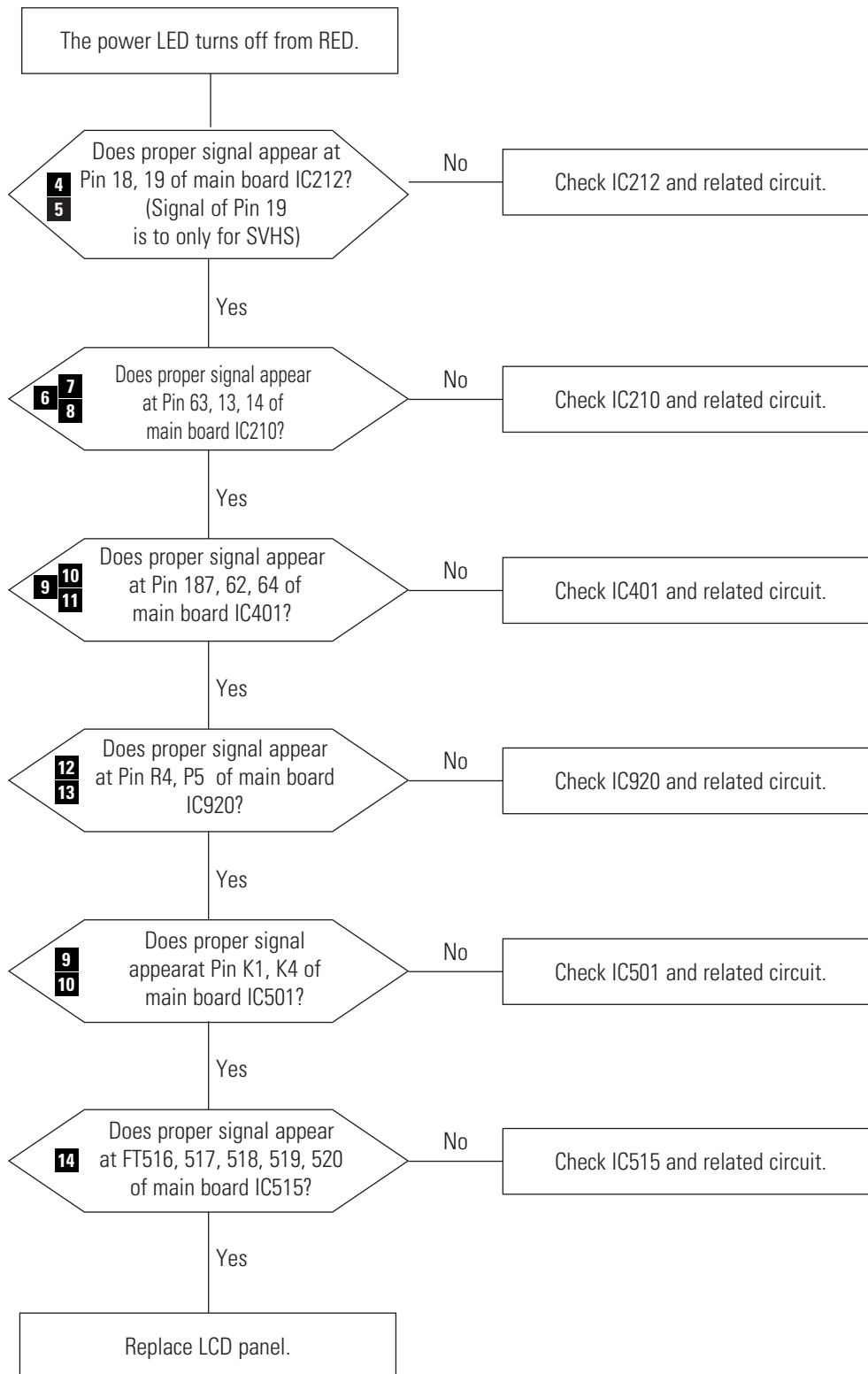
5 Troubleshooting

5-1 No Power



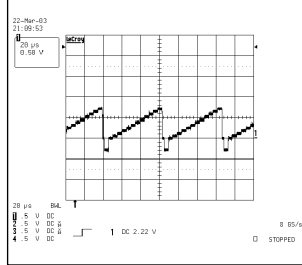
WAVEFORMS



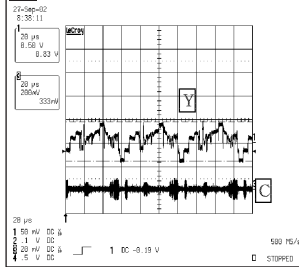
5-2 No Video (RF, COMPOSITE, S-Video)

WAVEFORMS

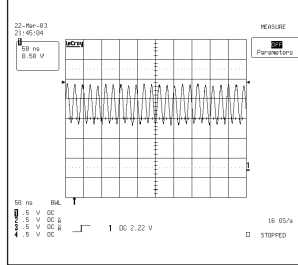
4 IC212, #18 CVBS Signal (RF, AV3)



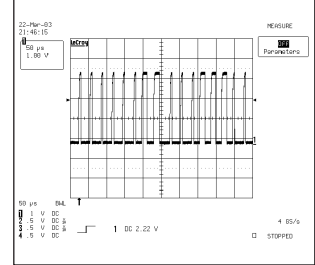
5 IC212, #18, 19, Y Signal (S-Video)



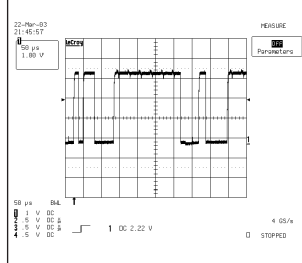
6 IC210, #63 Clock Signal



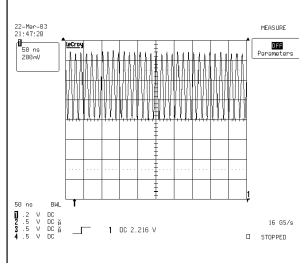
7 IC210, #13 I²C Clock Signal



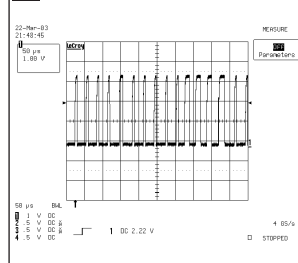
8 IC210, #14 I²C Data Signal



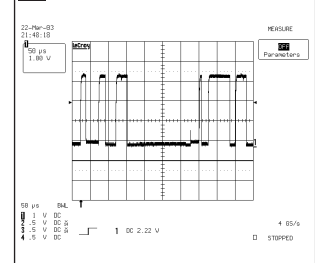
9 IC401, #187, IC501, #K4 Clock Signal



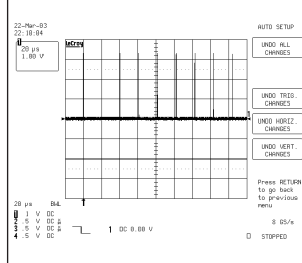
10 IC401, #62, IC501, #K1 I²C Clock Signal



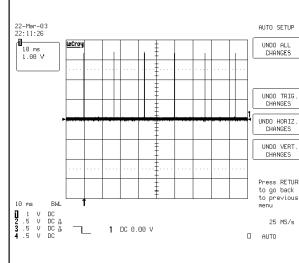
11 IC401, #64 I²C Data



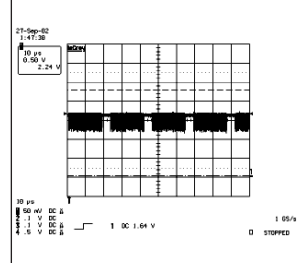
12 IC920, #R4, H-Sync

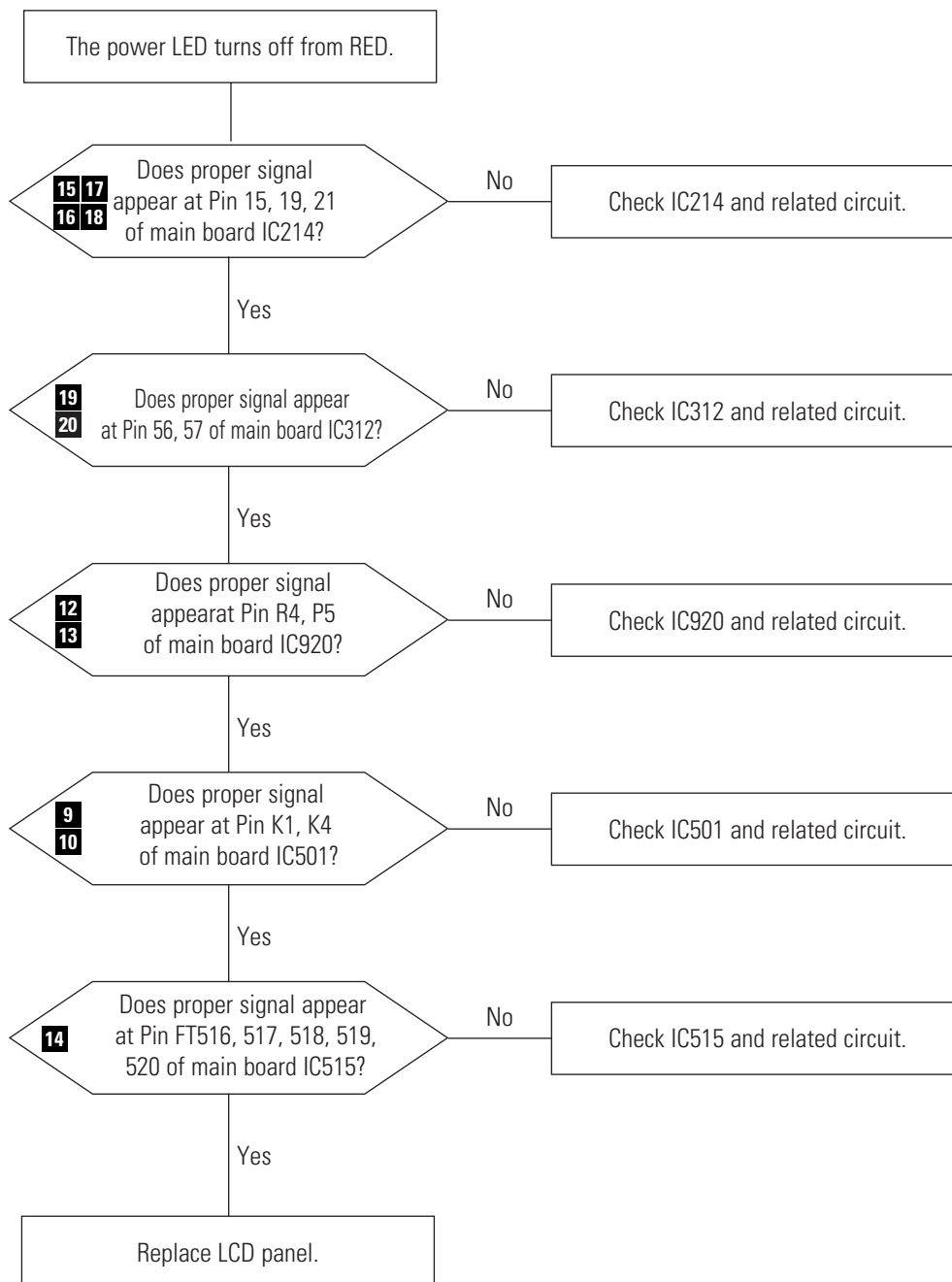


13 IC920, #P5, V-Sync

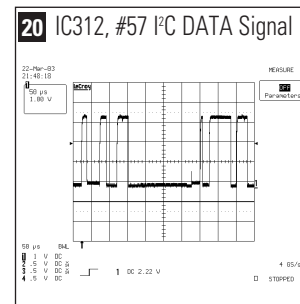
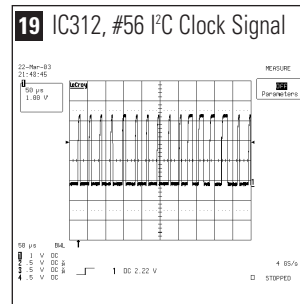
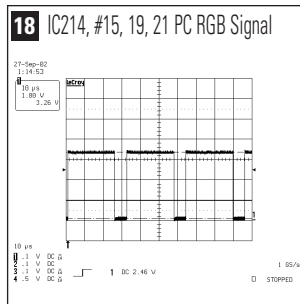
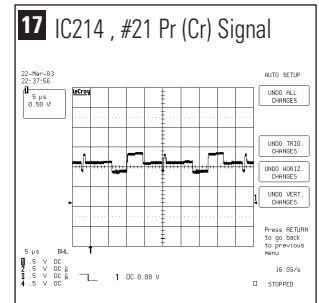
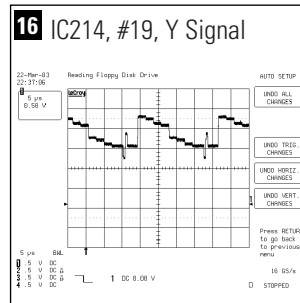
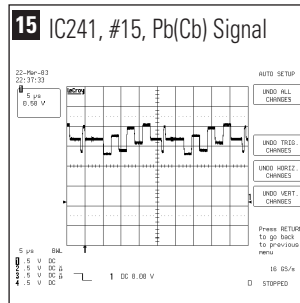
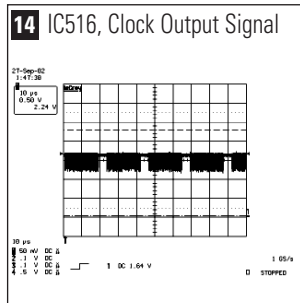
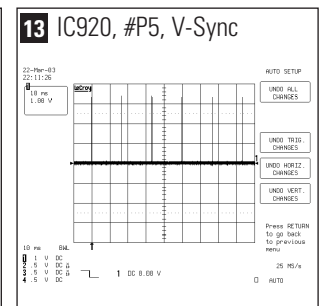
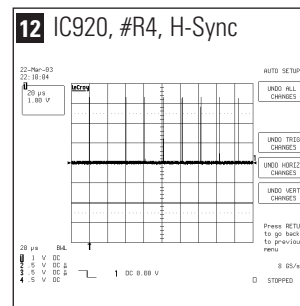
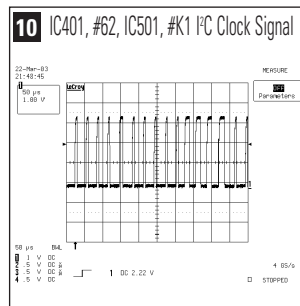
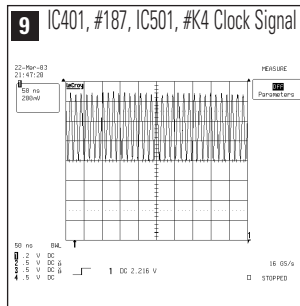


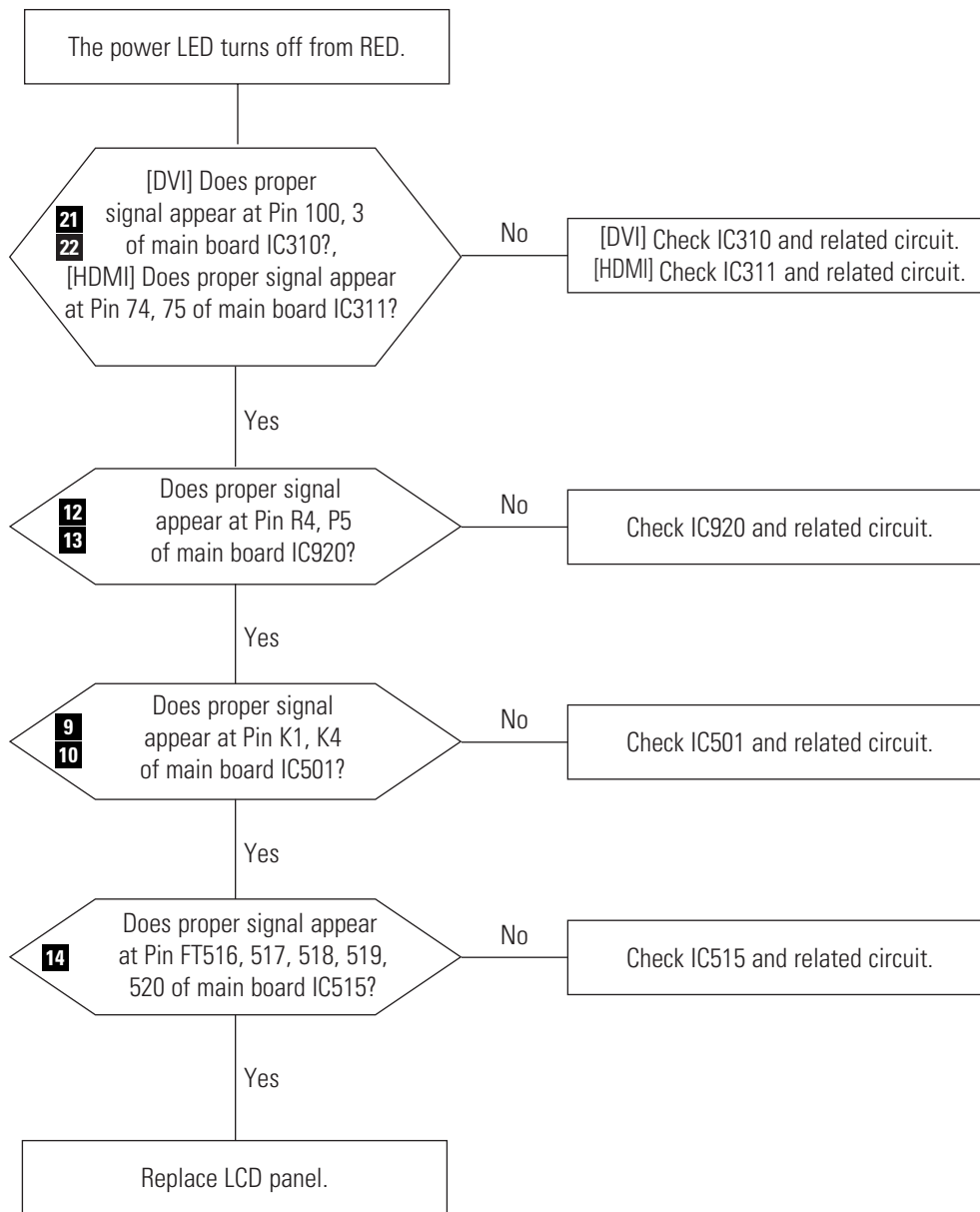
14 IC516, Clock Output Signal



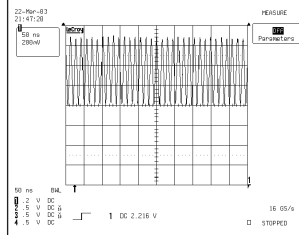
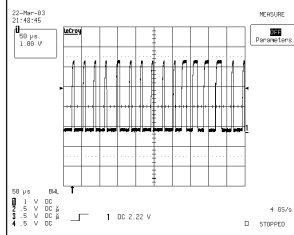
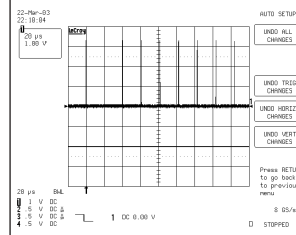
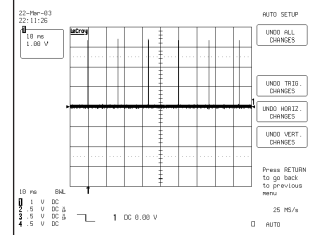
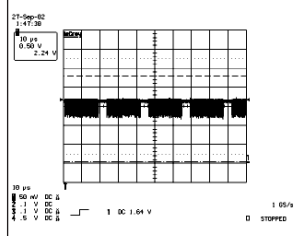
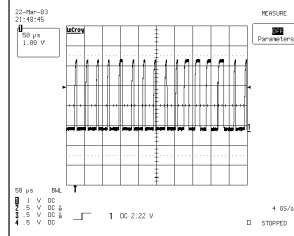
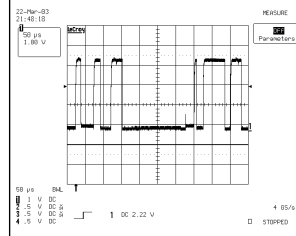
5-3 No Video (COMPONENT, PC)

WAVEFORMS



5-4 No Video (DVI, HDMI)

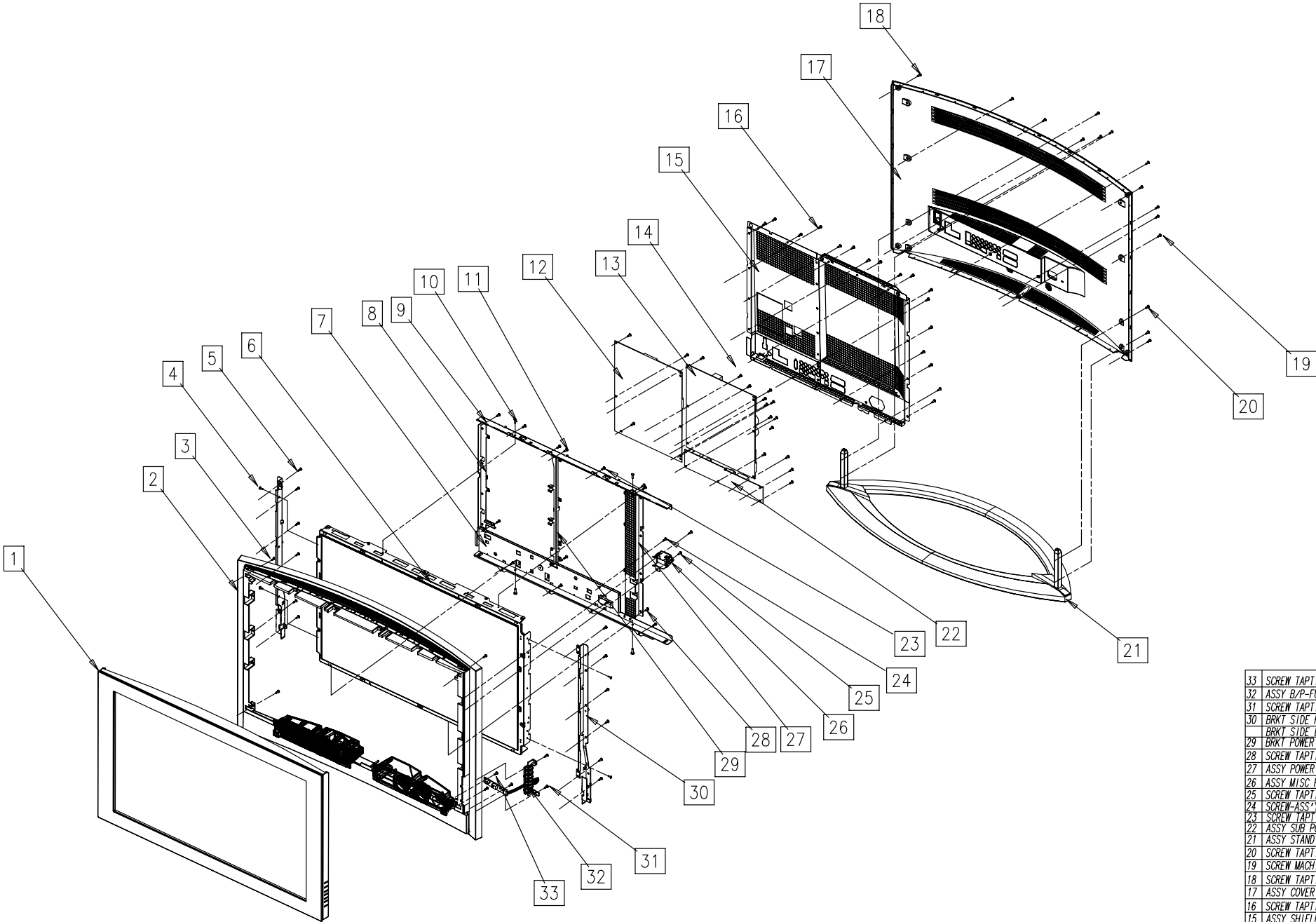
WAVEFORMS

9 IC401, #187, IC501, #K4 Clock Signal

10 IC401, #62, IC501, #K1 I²C Clock Signal

12 IC920, #R4, H-Sync

13 IC920, #P5, V-Sync

14 IC516, Clock Output Signal

21 IC310, #100, IC311, #74 Clock Signal

22 IC310, #3, IC311, #75 Data Signal


Memo

6 Exploded View and Parts List

※ You can search for updated part codes through ITSELF web site.
URL : <http://itself.sec.samsung.co.kr/>



33	SCREW TAPTITE	6003-000276	2	BH,+,B,M3,L10,BLK	SA
32	ASSY B/P-FUN IR	BN96-01186A	1	-	SNA
31	SCREW TAPTITE	6003-000122	2	BH,+,B,M4,L12,ZPC(YEL),SWRCH18A	SA
30	BRKT SIDE RIGHT	BN61-01007A	1	SECC T1.6	SNA
29	BRKT SIDE LEFT	BN61-01008A	1	SECC T1.6	SNA
28	BRKT POWER	BN61-01012A	1	SECC T1.2	SNA
27	SCREW TAPTITE	6003-000010	4	BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A	SA
26	ASSY POWER SUB	BN96-00969A	1	SECC T1.2	SNA
25	ASSY MISC P-INLET	BN96-00589B	1	NAPLES,Inlet(BN39-00494A)	SNA
24	SCREW TAPTITE	6003-000010	2	BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A	SA
23	SCREW-ASS'Y MACH	6006-000245	1	WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1	SA
22	SCREW TAPTITE	6003-000009	8	BH,+,B,M4,L16,ZPC(YEL),SWRCH18A	SA
21	ASSY SUB POWER	-	-	-	SA
20	ASSY STAND	BN96-00944A	1	ABS V0 GR60 : SV-012P	SNA
19	SCREW TAPTITE	6003-001323	4	BH,+,B,M4,L12,N1,PLT	SA
18	SCREW MACHINE	6001-000158	2	BH,+,M5,L10,N1,PLT,SWRCH18A	SA
17	SCREW TAPTITE	6003-001323	9	BH,+,B,M4,L12,N1,PLT	SA
16	ASSY COVER REAR	BN96-00943C	1	ABS V0 GR60 : SV-012P	SA
15	SCREW TAPTITE	6003-000010	17	BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A	SA
14	ASSY SHIELD PCB	BN96-01014C	1	SECC T0.5	SA
13	SCREW TAPTITE	6003-000010	16	BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A	SA
12	ASSY POWER PCB	-	-	-	SNA
11	SCREW TAPTITE	-	-	-	SA
10	SCREW TAPTITE	6003-000117	2	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SA
9	SCREW MACHINE	6001-000157	4	BH,+,M4,L8,ZPC(YEL),SWRCH18A	SA
8	BRKT TOP	BN61-01009A	1	SECC T1.2	SNA
7	ASSY BRKT MAIN	BN96-01124A	1	SECC T1.2	SNA
6	ASSY BRKT BOTTOM	BN96-01123A	1	SECC T1.2	SNA
5	PANEL	BN07-01008A	1	LTA320W1-L01,RS24NS,6BIT,ERC	SA
4	SCREW TAPTITE	6003-000009	12	BH,+,B,M4,L16,ZPC(YEL),SWRCH18A	SA
3	SCREW MACHINE	6001-000157	4	BH,+,M4,L8,ZPC(YEL),SWRCH18A	SA
2	SCREW TAPTITE	6003-000122	4	BH,+,B,M4,L12,ZPC(YEL),SWRCH18A	SA
1	ASSY COVER MIDDLE	BN96-00942B	1	ABS V0 : SV-012P	SNA
	ASSY COVER FRONT	BN96-00941C	1	ABS HB GR60 : DGN-4128	SA
No	Part Name	Code No	Q'TY	Specification	Remark

Memo

7 Electrical Parts List

* You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

7-1 Main PCB Parts

Level	Loc. No.	Code No.	Description	Specification	Remarks
0	LW32A33WX/XEU				
1	E4-LW32A33WX/XEU	-	1	SEC,W1-L01	-
3	BN94-00443W	-	ASSY PCB POWER	NF32U0	SNA
4	2401-003876	CI816	C-AL	470UF,20%,160V,GP,BK,35°ø20MM,10	SA
4	2401-003876	CI817	C-AL	470UF,20%,160V,GP,BK,35°ø20MM,10	SA
4	0201-001059	CIS	ADHESIVE-SIL	#9590,WHT,-,CARTRIGE	SNA
4	0201-001578	CIS	ADHESIVE-HM	HM-555,WHT,4,000 Cps,-	SNA
4	0204-002420	CIS	SOLVENT	1M-1000,C3H7OH,96,-,-	SNA
4	0204-002426	CIS	FLUX	DF-201TVS,MIX,0.820,FLUX13%,14KG,-	SNA
4	6902-000314	CIS	BAG AIR CAP	LDPE,T0.05,L400,W400,PINK,-,BAG TYPE	SNA
4	2401-003872	CM818	C-AL	2200UF,20%,25V,LZ,TP,18X20MM,7.5	SA
4	2409-001044	CM829	C-ORGANIC	100UF,+20%,16V,WT,TP,8X10.5,5	SA
4	3711-004122	CNI801	CONNECTOR-HEADER	BOX,14P,1R,2mm,STRAIGHT,SN	SA
4	3711-004122	CNM801	CONNECTOR-HEADER	BOX,14P,1R,2mm,STRAIGHT,SN	SA
4	3711-002855	CNP801	CONNECTOR-HEADER	BOX,2P,1R,7.92mm,STRAIGHT,SN	SA
4	3711-003043	CNP803	CONNECTOR-HEADER	BOX,4P,1R,2.5MM,STRAIGHT,SN,IVR	SA
4	2401-003873	CP823	C-AL	120UF,20%,450V,WT,BK,35°ø20MM,10	SA
4	2401-003873	CP824	C-AL	120UF,20%,450V,WT,BK,35°ø20MM,10	SA
4	2306-000321	CP825	C-FILM,LEAD-PPF	470NF,20%,275V,BK,31X11X21MM,27.5	SA
4	2401-003872	CS816	C-AL	2200UF,20%,25V,LZ,TP,18X20MM,7.5	SA
4	2201-002026	CY801S	C-CERAMIC,DISC	1NF,20%,400V,Y5P,TP,11X6MM,7.5	SA
4	2201-002026	CY802S	C-CERAMIC,DISC	1NF,20%,400V,Y5P,TP,11X6MM,7.5	SA
4	0402-000250	DM805	DIODE-RECTIFIER	RG4C,1KV,2A,-,-	SA
4	0402-000562	DP803	DIODE-RECTIFIER	UF5406,600V,3A,DO-201AD,BK	SA
4	0402-000250	DS805	DIODE-RECTIFIER	RG4C,1KV,2A,-,-	SA
4	1203-002828	IC802S	IC-PWM CONTROLLER	4981,DIP,20P,25.4X7.1MM,PLASTIC,-0.3/8.5V,-,40TO+125C,2A,4.97/5.23V,ST	SA
4	3812-001283	JUMP	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
4	BN27-00014A	LM804	COIL CHOKE	10uH, 0.02ohm,14.5T,10uH,+/-10%,DR12*5 C:6.0,14.5T,PF2736,,0.02 ohm,12 75,,B	SA
4	BN27-00013A	LP801	COIL CHOKE-PFC	T40 x15 x24,1.1mH,+/-10%,CH400125,78T,PF 2736,,0.08 ohm,40 x15 x24,,BK	SA
4	BN27-00015B	LP805	COIL CHOKE	VD063-1,COIL-CHOKE,23uH,+/-10%,0.010ohm,OR18x6X10H,5T,25X25X13mm,4,1.8mm,BK,-20C	SA
4	BN27-00015B	LP806	COIL CHOKE	VD063-1,COIL-CHOKE,23uH,+/-10%,0.010ohm,OR18x6X10H,5T,25X25X13mm,4,1.8mm,BK,-20C	SA
4	BN27-00014A	LS803	COIL CHOKE	10uH, 0.02ohm,14.5T,10uH,+/-10%,DR12*5 C:6.0,14.5T,PF2736,,0.02 ohm,12 75,,B	SA
4	1404-001195	NT801S	THERMISTOR-NTC	5.1ohm,15%,2900,27mW/C,BK	SA
4	1404-001195	NT802S	THERMISTOR-NTC	5.1ohm,15%,2900,27mW/C,BK	SA
4	0604-001032	PC801S	PHOTO-COUPLER	TR,170-260%,300mW,DIP-4,ST	SA
4	0604-001032	PC802S	PHOTO-COUPLER	TR,170-260%,300mW,DIP-4,ST	SA
4	0604-001032	PC803S	PHOTO-COUPLER	TR,170-260%,300mW,DIP-4,ST	SA
4	0604-001032	PC804S	PHOTO-COUPLER	TR,170-260%,300mW,DIP-4,ST	SA
4	0502-001262	QP803A	TR-POWER	2SA2073,PNP,1000mW,-,TP,120-270	SA
4	0502-001261	QP804A	TR-POWER	2SC5826,NPN,1000mW,-,TP,120-270	SA
4	3812-001283	RM822	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
4	3812-001283	RM825	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
4	BN26-00005A	T801S	TRANS-INVERTER	EER 3543,LCD TV,16PIN,1mH,400V,1A,1.45mH,120V,2A,0.300ohm,,PL-5/PM5,ER-3543,130u	SA
4	BN26-00005A	T802S	TRANS-INVERTER	EER 3543,LCD TV,16PIN,1mH,400V,1A,1.45mH,120V,2A,0.300ohm,,PL-5/PM5,ER-3543,130u	SA
4	BN26-00006A	T803S	TRANS-MULTI	EER 3019,LCD TV,10PIN,1mH,400V,1A,32uH,5V/12V,6A/2A,0.400ohm,,PL-7/PM7,ER-3019,2	SA
4	BN26-00006A	T804S	TRANS-MULTI	EER 3019,LCD TV,10PIN,1mH,400V,1A,32uH,5V/12V,6A/2A,0.400ohm,,PL-7/PM7,ER-3019,2	SA
4	BN26-00007A	T805S	TRANS-SOUND	EER 3019,LCD TV,10PIN,500uH,400V,1A,135uH,13V,5A,0.400ohm,,PL-7/PM7,ER 3019,20u	SA
4	BN26-00007A	T806S	TRANS-SOUND	EER 3019,LCD TV,10PIN,500uH,400V,1A,135uH,13V,5A,0.400ohm,,PL-7/PM7,ER 3019,20u	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
4	BN96-00324A	IC803S	ASSY BOARD P	PDB20049A M,CONTROLLER ASS'Y	SA
4	BN97-00207T	-	ASSY AUTO-POWER	NF32U0	SNA
5	2301-001396	CI801	C-FILM,LEAD-PEF	100nF,10%,630V,TP,18x6.5x13mm,7.5	SA
5	2305-000289	CI804	C-FILM,LEAD-PEF	220nF,5%,63V,TP,-,5mm	SA
5	2201-000132	CI805	C-CERAMIC,DISC	0.1NF,10%,500V,Y5P,TP,6.5X3MM,5	SA
5	2201-000132	CI806	C-CERAMIC,DISC	0.1NF,10%,500V,Y5P,TP,6.5X3MM,5	SA
5	2301-001396	CI807	C-FILM,LEAD-PEF	100nF,10%,630V,TP,18x6.5x13mm,7.5	SA
5	2201-000930	CI808	C-CERAMIC,DISC	0.22NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000132	CI809	C-CERAMIC,DISC	0.1NF,10%,500V,Y5P,TP,6.5X3MM,5	SA
5	2301-001216	CI811	C-FILM,LEAD-PPF	47nF,5%,630V,TP,20x14.5x22,7.5	SA
5	2401-000302	CI812	C-AL	100uF,20%,25V,GP,TP,6.3x11,5	SA
5	2305-000665	CI813	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	SA
5	2305-000411	CI815	C-FILM,LEAD-PEF	470nF,5%,50V,TP,7.3x4.8x5.5mm,	SA
5	2401-000569	CI818	C-AL	1uF,20%,250V,GP,TP,6.3x11,5	SA
5	2305-000704	CI819	C-FILM,LEAD-PEF	100nF,5%,250V,TP,16.5x10.3x5.7	SA
5	2305-000704	CI820	C-FILM,LEAD-PEF	100nF,5%,250V,TP,16.5x10.3x5.7	SA
5	2401-001340	CI821	C-AL	0.47UF,20%,50V,WT,TP,5X11,5	SA
5	2305-000704	CI823	C-FILM,LEAD-PEF	100nF,5%,250V,TP,16.5x10.3x5.7	SA
5	2401-000480	CM801	C-AL	10uF,20%,50V,GP,TP,5x11,5	SA
5	2401-000962	CM802	C-AL	22uF,20%,50V,GP,TP,5x11,5	SA
5	2301-000192	CM803	C-FILM,LEAD-PEF	1nF,5%,50V,TP,5.3x10mm,5mm	SA
5	2301-000445	CM804	C-FILM,LEAD-PEF	4.7nF,5%,50V,TP,5.5x7x3mm,5mm	SA
5	2401-000480	CM805	C-AL	10uF,20%,50V,GP,TP,5x11,5	SA
5	2202-000263	CM806	C-CERAMIC,MLC-AXIAL	470pF,10%,50V,Y5P,TP,3.5x19,-	SA
5	2202-000263	CM807	C-CERAMIC,MLC-AXIAL	470pF,10%,50V,Y5P,TP,3.5x19,-	SA
5	2301-000356	CM808	C-FILM,LEAD-PEF	47nF,5%,50V,TP,7.5x4.0x6.5,5mm	SA
5	2303-000122	CM809	C-FILM,LEAD-PEF	10nF,5%,630V,TP,19x12.5mm,7.5m	SA
5	2201-000129	CM810	C-CERAMIC,DISC	0.1NF,10%,1KV,Y5P,TP,7X4MM,5	SA
5	2201-000129	CM811	C-CERAMIC,DISC	0.1NF,10%,1KV,Y5P,TP,7X4MM,5	SA
5	2306-000122	CM812	C-FILM,LEAD-PPF	100nF,5%,50V,TP,7.3x4.0x5.0mm,	SA
5	2401-001192	CM813	C-AL	33uF,20%,50V,GP,TP,6.3x11,5	SA
5	2201-000556	CM814	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000556	CM815	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000556	CM816	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000556	CM817	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2401-003875	CM819	C-AL	2200UF,20%,16V,LZ,TP,16X20MM,7.5	SA
5	2401-003875	CM820	C-AL	2200UF,20%,16V,LZ,TP,16X20MM,7.5	SA
5	2401-003874	CM822	C-AL	1000UF,20%,25V,LZ,TP,12.5X20MM,5	SA
5	2401-003874	CM823	C-AL	1000UF,20%,25V,LZ,TP,12.5X20MM,5	SA
5	2301-000224	CM824	C-FILM,LEAD-PEF	22nF,5%,50V,TP,7.4x3.9x13mm,5m	SA
5	2201-000376	CM825	C-CERAMIC,DISC	0.22NF,5%,50V,SL,TP,6.3X3.5MM,5	SA
5	2306-000122	CM826	C-FILM,LEAD-PPF	100nF,5%,50V,TP,7.3x4.0x5.0mm,	SA
5	2306-000122	CM827	C-FILM,LEAD-PPF	100nF,5%,50V,TP,7.3x4.0x5.0mm,	SA
5	2305-000289	CM828	C-FILM,LEAD-PEF	220nF,5%,63V,TP,-,5mm	SA
5	2201-000315	CP801	C-CERAMIC,DISC	2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5	SA
5	2201-000315	CP802	C-CERAMIC,DISC	2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5	SA
5	2303-000331	CP804	C-FILM,LEAD-PPF	4.7nF,5%,630V,TP,19.5x12x7,7.5	SA
5	2303-000122	CP806	C-FILM,LEAD-PEF	10nF,5%,630V,TP,19x12.5mm,7.5m	SA
5	2201-000129	CP807	C-CERAMIC,DISC	0.1NF,10%,1KV,Y5P,TP,7X4MM,5	SA
5	2401-000603	CP808	C-AL	1UF,20%,50V,GP,TP,5X11,2	SA
5	2401-002300	CP809	C-AL	47uF,20%,50V,GP,TP,6.3x11,5	SA
5	2305-000285	CP810	C-FILM,LEAD-PEF	220NF,5%,100V,TP,10.5X5.5X15MM,5	SA
5	2305-000289	CP811	C-FILM,LEAD-PEF	220nF,5%,63V,TP,-,5mm	SA
5	2201-000376	CP812	C-CERAMIC,DISC	0.22NF,5%,50V,SL,TP,6.3X3.5MM,5	SA
5	2401-002619	CP814	C-AL	47uF,20%,25V,GP,TP,5x11,5	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2305-000411	CP815	C-FILM,LEAD-PEF	470nF,5%,50V,TP,7.3x4.8x5.5mm,	SA
5	2301-000192	CP816	C-FILM,LEAD-PEF	1nF,5%,50V,TP,5.3x10mm,5mm	SA
5	2201-000961	CP817	C-CERAMIC,DISC	0.01nF,0.5PF,50V,RH,TP,4X3.5MM,5	SA
5	2305-000665	CP818	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	SA
5	2301-000342	CP819	C-FILM,LEAD-PEF	2.2nF,5%,50V,TP,7.4x3.9x13mm,5	SA
5	2401-000603	CP820	C-AL	1uF,20%,50V,GP,TP,5X11,2	SA
5	2401-000480	CP822	C-AL	10uF,20%,50V,GP,TP,5x11,5	SA
5	2201-002026	CP826	C-CERAMIC,DISC	1nF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	2201-002026	CP827	C-CERAMIC,DISC	1nF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	2201-002026	CP828	C-CERAMIC,DISC	1nF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	2301-001396	CS802	C-FILM,LEAD-PEF	100nF,10%,630V,TP,18x6.5x13mm,7.5	SA
5	2401-000480	CS803	C-AL	10uF,20%,50V,GP,TP,5x11,5	SA
5	2401-000962	CS804	C-AL	22uF,20%,50V,GP,TP,5x11,5	SA
5	2301-000445	CS805	C-FILM,LEAD-PEF	4.7nF,5%,50V,TP,5.5x7x3mm,5mm	SA
5	2301-000192	CS806	C-FILM,LEAD-PEF	1nF,5%,50V,TP,5.3x10mm,5mm	SA
5	2401-000962	CS807	C-AL	22uF,20%,50V,GP,TP,5x11,5	SA
5	2202-000263	CS808	C-CERAMIC,MLC-AXIAL	470pF,10%,50V,Y5P,TP,3.5x19,-	SA
5	2202-000263	CS809	C-CERAMIC,MLC-AXIAL	470pF,10%,50V,Y5P,TP,3.5x19,-	SA
5	2301-000356	CS810	C-FILM,LEAD-PEF	47nF,5%,50V,TP,7.5x4.0x6.5,5mm	SA
5	2303-000122	CS811	C-FILM,LEAD-PEF	10nF,5%,630V,TP,19x12.5mm,7.5mm	SA
5	2201-000012	CS812	C-CERAMIC,DISC	0.22nF,10%,1KV,Y5P,TP,6.3X5MM,5	SA
5	2201-000012	CS813	C-CERAMIC,DISC	0.22nF,10%,1KV,Y5P,TP,6.3X5MM,5	SA
5	2201-000556	CS814	C-CERAMIC,DISC	0.47nF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000556	CS815	C-CERAMIC,DISC	0.47nF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2401-003872	CS817	C-AL	2200uF,20%,25V,LZ,TP,18X20MM,7.5	SA
5	2401-003872	CS818	C-AL	2200uF,20%,25V,LZ,TP,18X20MM,7.5	SA
5	2305-000411	CS819	C-FILM,LEAD-PEF	470nF,5%,50V,TP,7.3x4.8x5.5mm,	SA
5	2201-000376	CS820	C-CERAMIC,DISC	0.22nF,5%,50V,SL,TP,6.3X3.5MM,5	SA
5	2306-000122	CS821	C-FILM,LEAD-PPF	100nF,5%,50V,TP,7.3x4.0x5.0mm,	SA
5	2305-000289	CS822	C-FILM,LEAD-PEF	220nF,5%,63V,TP,-,5mm	SA
5	0402-000546	DI805	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0402-000546	DI806	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0401-000005	DI807	DIODE-SWITCHING	1N4148,75V,150MA,DO-35,TP	SA
5	0402-000546	DI808	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0401-000005	DI809	DIODE-SWITCHING	1N4148,75V,150MA,DO-35,TP	SA
5	0401-000005	DI810	DIODE-SWITCHING	1N4148,75V,150MA,DO-35,TP	SA
5	0402-000546	DM801	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0402-000222	DM802	DIODE-RECTIFIER	EU1Z,200V,0.25A,DO-41,TP	SA
5	0401-000006	DM803	DIODE-SWITCHING	BAV21,250V,200MA,DO-35,TP	SA
5	0401-000006	DM804	DIODE-SWITCHING	BAV21,250V,200MA,DO-35,TP	SA
5	0402-000546	DM806	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0401-000005	DP801	DIODE-SWITCHING	1N4148,75V,150MA,DO-35,TP	SA
5	0402-000540	DP802	DIODE-RECTIFIER	RU20A,600V,1.5A,-,TP	SA
5	0404-001207	DP804	DIODE-SCHOTTKY	SB140,40V,1000MA,DO-41,TP	SA
5	0404-001207	DP805	DIODE-SCHOTTKY	SB140,40V,1000MA,DO-41,TP	SA
5	0402-000546	DP806	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0404-001207	DP807	DIODE-SCHOTTKY	SB140,40V,1000MA,DO-41,TP	SA
5	0402-000546	DS801	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0402-000222	DS802	DIODE-RECTIFIER	EU1Z,200V,0.25A,DO-41,TP	SA
5	0401-000006	DS803	DIODE-SWITCHING	BAV21,250V,200MA,DO-35,TP	SA
5	0401-000006	DS804	DIODE-SWITCHING	BAV21,250V,200MA,DO-35,TP	SA
5	3601-001064	FD801S	FUSE-AXIAL LEAD	125V,4A,FAST-ACTING,GLASS,2.4x7.5mm	SA
5	3601-001064	FD802S	FUSE-AXIAL LEAD	125V,4A,FAST-ACTING,GLASS,2.4x7.5mm	SA
5	3601-001064	FD803S	FUSE-AXIAL LEAD	125V,4A,FAST-ACTING,GLASS,2.4x7.5mm	SA
5	3301-001223	LM801	BEAD-AXIAL	62ohm,3.5x0.8x5mm,,TP,,,	SA
5	3301-001667	LP802	BEAD-AXIAL	30ohm,3.5X0.62X7,1000mA,TP,,,	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	3301-001667	LP803	BEAD-AXIAL	30ohm,3.5X0.62X7,1000mA,TP,...	SA
5	3301-001667	LP804	BEAD-AXIAL	30ohm,3.5X0.62X7,1000mA,TP,...	SA
5	3301-001223	LS801	BEAD-AXIAL	62ohm,3.5x0.8x5mm,,TP,...	SA
5	BN41-00256D	MP4.0	PCB MAIN	VENUS,FR4,2,D,1.6T,330*245,1	SNA
5	0501-000369	QI807	TR-SMALL SIGNAL	KSC2331-Y,NPN,1000mW,T0-92L,TP,120-240	SA
5	0501-000366	QI809	TR-SMALL SIGNAL	KSC2330-Y,NPN,1W,T0-92L,-,70-1	SA
5	0501-000366	QI810	TR-SMALL SIGNAL	KSC2330-Y,NPN,1W,T0-92L,-,70-1	SA
5	0501-000138	QI811	TR-SMALL SIGNAL	2N5401,PNP,625mW,T0-92,TP,60-240	SA
5	0501-000389	QM801	TR-SMALL SIGNAL	KSC815,NPN,400mW,T0-92,TP,120-240	SA
5	0501-000389	QM813	TR-SMALL SIGNAL	KSC815,NPN,400mW,T0-92,TP,120-240	SA
5	0501-000389	QP801	TR-SMALL SIGNAL	KSC815,NPN,400mW,T0-92,TP,120-240	SA
5	0501-000369	QP802	TR-SMALL SIGNAL	KSC2331-Y,NPN,1000mW,T0-92L,TP,120-240	SA
5	3812-001283	RI802	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	2001-001146	RI803	R-CARBON(S)	4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000085	RI804	R-CARBON(S)	100KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001096	RI805	R-CARBON(S)	2.2OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	3812-001283	RI807	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	2001-000019	RI808	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001105	RI809	R-CARBON(S)	200HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000085	RI810	R-CARBON(S)	100KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001152	RI812	R-CARBON(S)	47KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-000268	RI816	R-METAL	120ohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2001-001099	RI818	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000109	RI820	R-CARBON(S)	470OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-002007	RI821	R-METAL OXIDE(S)	4.7Kohm,5%,2W,AF,TP,3.9x10mm	SA
5	2003-002007	RI822	R-METAL OXIDE(S)	4.7Kohm,5%,2W,AF,TP,3.9x10mm	SA
5	2001-000109	RI823	R-CARBON(S)	470OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001088	RI824	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000066	RI825	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-001099	RI826	R-METAL	56Kohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2004-001099	RI827	R-METAL	56Kohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2003-001090	RI828	R-METAL OXIDE(S)	10Kohm,5%,2W,AF,TP,4x12mm	SA
5	2004-001406	RI829	R-METAL(S)	8.2Kohm,1%,1/2W,AA,TP,2.4x6.4m	SA
5	2001-001108	RI830	R-CARBON(S)	22KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001144	RI831	R-CARBON(S)	4.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-001090	RI832	R-METAL OXIDE(S)	10Kohm,5%,2W,AF,TP,4x12mm	SA
5	2001-000016	RI833	R-CARBON(S)	10HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2009-000018	RI834	R-METAL PLATE	0.22ohm,10%,5W,CL,TP,5x14x18mm	SA
5	2001-000052	RI835	R-CARBON(S)	3.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001152	RI836	R-CARBON(S)	47KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001078	RI837	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001078	RI838	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-002016	RI839	R-METAL(S)	15Kohm,1%,1/2W,AA,TP,2.5x6.5mm	SA
5	2001-001194	RM801	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001194	RM802	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001194	RM803	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001103	RM804	R-CARBON(S)	20KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001117	RM805	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001129	RM806	R-CARBON(S)	330KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001131	RM807	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2009-000022	RM808	R-METAL PLATE	0.47ohm,10%,5W,CL,TP,5x14x18mm	SA
5	2001-000037	RM809	R-CARBON(S)	330OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001097	RM810	R-CARBON(S)	2.4KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001088	RM811	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-002186	RM812	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA
5	2003-002186	RM813	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2003-002186	RM814	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA
5	2001-001050	RM815	R-CARBON(S)	1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001088	RM816	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001131	RM817	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001093	RM818	R-CARBON(S)	2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001050	RM819	R-CARBON(S)	1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-001023	RM820	R-METAL OXIDE(S)	120ohm,5%,2W,AF,TP,3.9x10mm	SA
5	2003-002071	RM821	R-METAL OXIDE	560ohm,5%,2W,AF,TP,3.9x10mm	SA
5	2008-000206	RM823	R-FUSIBLE(S)	1ohm,5%,1/2W,AF,TP,2.5x6.5mm	SA
5	2001-001194	RM824	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-001038	RP802	R-METAL OXIDE(S)	4.7ohm,5%,2W,AF,TP,3.9x10mm	SA
5	2009-001096	RP803	R-METAL PLATE	0.07ohm,5%,5W,CL,BK,5x14x18mm	SA
5	2003-002044	RP804	R-METAL OXIDE(S)	100ohm,5%,1W,AF,TP,2.5x6.5mm	SA
5	2009-001096	RP805	R-METAL PLATE	0.07ohm,5%,5W,CL,BK,5x14x18mm	SA
5	2001-001088	RP806	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001049	RP807	R-CARBON(S)	1.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001144	RP808	R-CARBON(S)	4.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001093	RP809	R-CARBON(S)	2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001161	RP810	R-CARBON(S)	560KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001161	RP811	R-CARBON(S)	560KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001191	RP814	R-CARBON(S)	820KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001191	RP815	R-CARBON(S)	820KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001150	RP816	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001131	RP817	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000019	RP818	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000019	RP819	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001099	RP820	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000085	RP821	R-CARBON(S)	100KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000022	RP822	R-CARBON(S)	330HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000022	RP823	R-CARBON(S)	330HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-001099	RP824	R-METAL	56Kohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2001-001150	RP825	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001078	RP826	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001179	RP827	R-CARBON(S)	68KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000107	RP828	R-CARBON(S)	150KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000022	RP829	R-CARBON(S)	330HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001099	RP830	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001146	RP831	R-CARBON(S)	4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001163	RP832	R-CARBON(S)	560OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001154	RP833	R-CARBON(S)	5.1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-002018	RP834	R-METAL(S)	220Kohm,1%,1/2W,AA,TP,2.4x6.4m	SA
5	2004-002018	RP835	R-METAL(S)	220Kohm,1%,1/2W,AA,TP,2.4x6.4m	SA
5	2004-002018	RP836	R-METAL(S)	220Kohm,1%,1/2W,AA,TP,2.4x6.4m	SA
5	2004-001395	RP837	R-METAL(S)	330Kohm,2%,1/2W,AA,TP,2.4x6.4m	SA
5	2004-000643	RP838	R-METAL	270Kohm,1%,1/4W,AA,TP,2.4x6.4m	SA
5	2004-000643	RP839	R-METAL	270Kohm,1%,1/4W,AA,TP,2.4x6.4m	SA
5	2004-004015	RP840	R-METAL(S)	9.1Kohm,1%,1/2W,AA,TP,2.5x6.5m	SA
5	2004-000216	RP841	R-METAL	10Kohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2003-002239	RP843	R-METAL OXIDE(S)	100KOHM,5%,2W,AF,TP,3.9X10MM	SA
5	2003-002239	RP844	R-METAL OXIDE(S)	100KOHM,5%,2W,AF,TP,3.9X10MM	SA
5	2003-002239	RP845	R-METAL OXIDE(S)	100KOHM,5%,2W,AF,TP,3.9X10MM	SA
5	2008-000261	RP846	R-FUSIBLE(S)	150ohm,5%,1W,AF,TP,3.9x10mm	SA
5	2001-001194	RS801	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001194	RS802	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001194	RS803	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001103	RS804	R-CARBON(S)	20KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA

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5	2001-001117	RS805	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001129	RS806	R-CARBON(S)	330KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2009-001012	RS807	R-METAL PLATE	0.270HM,10%,5W,CL,TP,5X14X18MM	SA
5	2001-001131	RS808	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000037	RS809	R-CARBON(S)	330OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001097	RS810	R-CARBON(S)	2.4KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001088	RS811	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2003-002186	RS812	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA
5	2003-002186	RS813	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA
5	2003-002186	RS814	R-METAL OXIDE(S)	22Kohm,5%,2W,AG,TP,3.9x12mm	SA
5	2001-001050	RS815	R-CARBON(S)	1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001088	RS816	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-001131	RS817	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2004-000216	RS818	R-METAL	10Kohm,1%,1/4W,AA,TP,2.4x6.4mm	SA
5	2004-001983	RS819	R-METAL(S)	2.49Kohm,1%,1/2W,AA,TP,2.4x6.4	SA
5	2003-002071	RS820	R-METAL OXIDE	560ohm,5%,2W,AF,TP,3.9x10mm	SA
5	2008-000206	RS821	R-FUSIBLE(S)	1ohm,5%,1/2W,AF,TP,2.5x6.5mm	SA
5	2001-001194	RS822	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2002-001012	RY801S	R-COMPOSITION	8.2Mohm,5%,1/2W,AA,TP,3.7x9mm	SA
5	2103-000670	VRM801	VR-SEMI	1Kohm,25%,1/5W,TOP	SA
5	0403-001328	ZDI801	DIODE-ZENER	MTZJ22A,20.15-21.2V,500MW,DO-34,TP	SA
5	0403-000718	ZDI803	DIODE-ZENER	MTZJ6.8B,6.52-6.79V,500MW,DO-34,10.4-11V	SA
5	0403-001330	ZDI804	DIODE-ZENER	MTZJ30A,26.99-28.39V,500MW,DO-34,TP	SA
5	0403-001330	ZDI805	DIODE-ZENER	MTZJ30A,26.99-28.39V,500MW,DO-34,TP	SA
5	0403-001330	ZDI806	DIODE-ZENER	MTZJ30A,26.99-28.39V,500MW,DO-34,TP	SA
5	0403-001330	ZDI807	DIODE-ZENER	MTZJ30A,26.99-28.39V,500MW,DO-34,TP	SA
5	0403-000510	ZDI808	DIODE-ZENER	MTZJ6.2B,5.96-6.27V,500MW,DO-34,TP	SA
5	0403-000348	ZDI809	DIODE-ZENER	UZ36B,33-39V,500MW,DO-35,TP	SA
5	0403-001327	ZDM801	DIODE-ZENER	MTZJ18A,16.22-17.06V,500MW,DO-34,TP	SA
5	0403-001328	ZDM802	DIODE-ZENER	MTZJ22A,20.15-21.2V,500MW,DO-34,TP	SA
5	0403-001211	ZDP801	DIODE-ZENER	MTZJ12B,11.8-12.3V,500MW,DO-34,TP	SA
5	0403-001318	ZDP802	DIODE-ZENER	MTZJ4.3B,4.17-4.43V,500MW,DO-34,TP	SA
5	0403-001325	ZDP803	DIODE-ZENER	MTZJ15C,14.42-15.02V,500MW,DO-34,TP	SA
5	0403-000510	ZDP804	DIODE-ZENER	MTZJ6.2B,5.96-6.27V,500MW,DO-34,TP	SA
5	0403-001325	ZDP805	DIODE-ZENER	MTZJ15C,14.42-15.02V,500MW,DO-34,TP	SA
5	0403-001327	ZDS801	DIODE-ZENER	MTZJ18A,16.22-17.06V,500MW,DO-34,TP	SA
5	0403-001328	ZDS802	DIODE-ZENER	MTZJ22A,20.15-21.2V,500MW,DO-34,TP	SA
5	1203-001217	ZDT801	IC-POS1.ADJUST REG.	431,TO-92,3P,4.58MIL,PLASTIC,2	SA
5	1203-001217	ZDT802	IC-POS1.ADJUST REG.	431,TO-92,3P,4.58MIL,PLASTIC,2	SA
4	BP96-00198A	IC801S	ASSY HEAT SINK P	BP62-00018E,SCREW,SPRING,IRFB20N50K(4),STTH15R06D(2),STR-W6853,RUBBER,OIL	SNA
5	0402-001573	CIS	DIODE-RECTIFIER	UGF15JT,600V,15A,TO-220,ST	SA
5	1203-002827	CIS	IC-PWM CONTROLLER	STR-W6853,TO-220(FORMING),6P,16.9X10MM,PLASTIC,10.4/18.2V,1.5W,-20TO+125C,22A,-	SA
5	1404-001252	CIS	THERMISTOR-PTC	85OHM,25%,16V,30VAC,-,-,BK	SA
5	6003-000335	CIS	SCREW-TAPTITE	RH,+,2S,M3,L8,ZPC(YEL),SWRCH18	SNA
5	BH61-00004A	CIS	SPRING ETC-TR	CDA,CDB,SUS304,-,-,-,-,TO.5,-,-,-	SNA
5	BN61-00628A	CIS	SUPPORT-SCREW	NB21BS,NYLON66,T2.25,@5.25,NTR,DAWG - 5N	SNA
5	BP62-00018E	CIS	HEAT SINK-ES	VENUS,A6063S,T2.0,20,173	SNA
3	BN94-00444P	-	ASSY PCB POWER-SUB PCB	NF32	SNA
4	0201-001578	CIS	ADHESIVE-HM	HM-555,WHT,4,000 Cps,-	SNA
4	2401-003920	CB813	C-AL	47uF,20%,450V,WT,BK,18x31.5mm,7.5	SA
4	0204-002420	CIS	SOLVENT	1M-1000,C3H7OH,96,-,-	SNA
4	0204-002426	CIS	FLUX	DF-201TVS,MIX,0.820,FLUX13%,14KG,-	SNA
4	BN39-00354B	CIS	LEAD CONNECTOR	NAPLES,UL1007 #26,UL/CSA,4P,170MM,#26,35155-0400,35155-0400,BK,1007#26	SA
4	BN39-00355E	CIS	LEAD CONNECTOR	NAPLES,UL1617 #22,UL/CSA,3P,170MM,#22,35156-0300,35156-0300,BK,1617 #22	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
4	BN39-00493A	CIS	LEAD CONNECTOR	NAPLES,UL1617#22,UL/CSA,2P,20MM,#22,YFH800-02,BK,1617#22	SA
4	3711-000024	CNB811	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	SA
4	3711-003043	CNB812	CONNECTOR-HEADER	BOX,4P,1R,2.5MM,STRAIGHT,SN,IVR	SA
4	3711-002855	CNB813	CONNECTOR-HEADER	BOX,2P,1R,7.92mm,STRAIGHT,SN	SA
4	2306-000318	CX811S	C-FILM,LEAD-PPF	220NF,20%,250V,BK,-,22.5	SA
4	2306-000318	CX812S	C-FILM,LEAD-PPF	220NF,20%,250V,BK,-,22.5	SA
4	2201-000963	CY814S	C-CERAMIC,DISC	1NF,20%,400V,Y5U,TP,9.5X6MM,10	SA
4	0402-000102	D811S	DIODE-BRIDGE	D2SB60,200V,1.5A,SIP-4,ST	SA
4	0402-000586	DB814	DIODE-RECTIFIER	RK49,90V,3.5A,DO-201AD	SA
4	3601-001007	FS811S	FUSE-CARTRIDGE	250V,6.3A,TIME-LAG,GLASS,5.2x20mm	SA
4	1203-003077	IC811S	IC-PWM CONTROLLER	STR-G5551,T0-220,SP,16.9x10mm,PLASTIC,650V,24.8W,-20to+125C,2.7A,-,ST	SA
4	BN27-00024A	L820S	COIL CHOKE-PFC	VD078-02,CK32PS,10mH,+/-10%,2.1ohm,0.8A,16*19,205T,16mm*19mm,5.0mm,0.65PI,BK,-20C	SA
4	BN29-00006A	LB810	FILTER LINE-COMMON MODE	LCDTV,5uH,0.15ohm,5uH min,16x25mm,BK,0.5uH	SA
4	AA29-00011A	LX813S	FILTER LINE NOISE	CZ32W8,-,0.20MAX,1.5KV,10mH,SQE2828,2.45A,-,ST,500uH,100Mohm,-20to+150C	SA
4	AA29-00011A	LX816S	FILTER LINE NOISE	CZ32W8,-,0.20MAX,1.5KV,10mH,SQE2828,2.45A,-,ST,500uH,100Mohm,-20to+150C	SA
4	BN27-00015A	LX817S	COIL CHOKE	VD063,COIL-CHOKE,80uH,+/-10%,0.010ohm,OR18x6X10H,12T,25X26X13mm,4,1.8mm,BK,-20Ct	SA
4	1404-001195	NT811S	THERMISTOR-NTC	5.1ohm,15%,2900,27mW/C,BK	SA
4	0604-001038	PC811S	PHOTO-COUPLER	TR,130-260%,200mW,DIP-4,ST	SA
4	3711-002855	PD811S	CONNECTOR-HEADER	BOX,2P,1R,7.92mm,STRAIGHT,SN	SA
4	3501-001053	RL811S	RELAY-POWER	5VDC,530MW,10000MA,1FORMA,15MS,5MS	SA
4	BN26-00014A	T811S	TRANS SWITCHING-DPMS	EE 2520,LCD-Monitor,400V,400V,PL-5/PM5,6.2V,24*32*22,50/60Hz,2.5mH,0.7A,22uH,1.3	SA
4	BN97-00208Q	-	ASSY AUTO-SUB PCB	NA32	SNA
5	2202-000263	CB806	C-CERAMIC,MLC-AXIAL	470pF,10%,50V,Y5P,TP,3.5x19,-	SA
5	2201-000014	CB807	C-CERAMIC,DISC	0.33NF,10%,1KV,Y5P,TP,6.3X5MM,5	SA
5	2305-000665	CB808	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	SA
5	2201-000556	CB809	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000556	CB810	C-CERAMIC,DISC	0.47NF,10%,500V,Y5P,TP,5.5X3MM,5	SA
5	2201-000315	CB811	C-CERAMIC,DISC	2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5	SA
5	2201-000315	CB812	C-CERAMIC,DISC	2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5	SA
5	2401-003046	CB815	C-AL	47uF,20%,50V,WT,TP,6.3x11,2.5	SA
5	2401-003046	CB816	C-AL	47uF,20%,50V,WT,TP,6.3x11,2.5	SA
5	2401-000142	CB817	C-AL	1000uF,20%,16V,WT,TP,10x20,5	SA
5	2401-000142	CB818	C-AL	1000uF,20%,16V,WT,TP,10x20,5	SA
5	2306-000122	CB819	C-FILM,LEAD-PPF	100nF,5%,50V,TP,7.3x4.0x5.0mm,	SA
5	AA60-40014A	CNB804	PIN-GT,ASSY	AUTO	SNA
5	AA60-40014A	CNB806	PIN-GT,ASSY	AUTO	SNA
5	2201-002026	CY811S	C-CERAMIC,DISC	1NF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	2201-002026	CY812S	C-CERAMIC,DISC	1NF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	2201-002026	CY813S	C-CERAMIC,DISC	1NF,20%,400V,Y5P,TP,11X6MM,7.5	SA
5	0401-000006	DB812	DIODE-SWITCHING	BAV21,250V,200MA,DO-35,TP	SA
5	0402-000546	DB813	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41,TP	SA
5	0402-000132	DB815	DIODE-RECTIFIER	1N4004,400V,1A,DO-41,TP	SA
5	0402-000254	DB817	DIODE-RECTIFIER	RGP10J,600V,1A,DO-41,TP	SA
5	3601-001064	FD811S	FUSE-AXIAL LEAD	125V,4A,FAST-ACTING,GLASS,2.4x7.5mm	SA
5	3602-000114	FS811A	FUSE-HOLDER	-,-,30mohm	SA
5	3602-000114	FS811B	FUSE-HOLDER	-,-,30mohm	SA
5	AA60-40014A	GT811	PIN-GT,ASSY	AUTO	SNA
5	AA60-40014A	GT812	PIN-GT,ASSY	AUTO	SNA
5	3812-001283	J101	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	3812-001283	J103	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	3812-001283	J106	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	3812-001283	J107	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	3812-001283	J108	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm,-,-	SNA
5	2901-000299	LB812	FILTER-EMI ON BOARD	-.6A,UL/CSA,-,9x7.5,TP,-	SA
5	BN41-00455A	MP1.0	PCB-POWER SUB	NAPLES 32,FR-4,2LAYER,A,1.6T,330*245,3,1 BOARD 3 ARRAY	SNA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	0501-000010	Q813	TR-SMALL SIGNAL	KSC1008,NPN,800mW,TO-92,TP,120-240	SA
5	0501-000369	QB811	TR-SMALL SIGNAL	KSC2331-Y,NPN,1000mW,TO-92L,TP,120-240	SA
5	0501-000389	QB812	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,TP,120-240	SA
5	2003-002239	RB811	R-METAL OXIDE(S)	100KOHM,5%,2W,AF,TP,3.9X10MM	SA
5	2001-001165	RB812	R-CARBON(S)	560HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2008-000206	RB813	R-FUSIBLE(S)	1ohm,5%,1/2W,AF,TP,2.5x6.5mm	SA
5	2001-001072	RB814	R-CARBON(S)	120HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000591	RB815	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SA
5	2001-000429	RB816	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SA
5	2001-000591	RB817	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SA
5	2001-000019	RB819	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000085	RB820	R-CARBON(S)	100KOHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2001-000660	RB821	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SA
5	2003-001040	RB822	R-METAL OXIDE(S)	47Kohm,5%,2W,AF,TP,3.9x10mm	SA
5	2002-001068	RB823	R-COMPOSITION	180Kohm,5%,1/2W,AA,TP,3.9x9mm	SA
5	2002-001068	RB824	R-COMPOSITION	180Kohm,5%,1/2W,AA,TP,3.9x9mm	SA
5	2001-001178	RB825	R-CARBON(S)	680OHM,5%,1/2W,AA,TP,2.4X6.4MM	SA
5	2005-001066	RB826	R-WIRE WOUND	1.2OHM,5%,1W,AA,TP,3.3X9MM	SA
5	2002-001010	RX811S	R-COMPOSITION	1.8Mohm,5%,1/2W,AA,TP,3.7x9mm	SA
5	1405-000187	VX811S	VARISTOR	750V,1250A,12.5x7mm,TP	SA
3	BN94-00539M	-	ASSY PCB MAIN	NEW	SNA
4	2305-000665	C5105	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	SA
4	2305-000665	C5114	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x5.0mm,	SA
4	2305-000196	C6102	C-FILM,LEAD-PEF	150nF,5%,63V,TP,-,5mm	SA
4	2305-000196	C6109	C-FILM,LEAD-PEF	150nF,5%,63V,TP,-,5mm	SA
4	2305-000196	C6112	C-FILM,LEAD-PEF	150nF,5%,63V,TP,-,5mm	SA
4	2305-000196	C6114	C-FILM,LEAD-PEF	150nF,5%,63V,TP,-,5mm	SA
4	0204-002420	CIS3	SOLVENT	1M-1000,C3H7OH,96,-,-	SNA
4	0204-002426	CIS4	FLUX	DF-201TVS,MIX,0.820,FLUX13%,14KG,-	SNA
4	AA39-30007A	CIS6	CBF IF	- ,T,100mm,1365#26	SNA
4	BN39-00441B	CIS7	LEAD CONNECTOR	NF32EO,UL1007#26,14P,150MM,#28,SMH200-14,SMH200-14,BK,1007#26,TUBE	SNA
4	3722-001061	CN709	JACK-PHONE	1P,3.6PI,AG,BLK,N	SA
4	3701-001294	CN711	CONNECTOR-DSUB	15P,3R,FEMALE,STRAIGHT,AUF	SA
4	3722-001734	CN712	JACK-VHS	4P,-,SN,BLK,-	SA
4	3722-000498	CN713	JACK-SCART	21P,-,SN,BLK,NO	SA
4	3722-000498	CN714	JACK-SCART	21P,-,SN,BLK,NO	SA
4	3701-001292	CN715	CONNECTOR-DVI	24P,3R,FEMALE,STRAIGHT,AU10U	SA
4	3711-004121	CN810	CONNECTOR-HEADER	BOX,14P,1R,2mm,ANGLE,SN	SA
4	3711-000057	CN811	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,ANGLE,SN	SA
4	3705-001331	CN908	CONNECTOR-COAXIAL	PAL,ADAPTOR(J/J),-,75ohm,-	SA
4	3722-001931	JA610	JACK-PIN	1P,-,AU,BLK,-	SA
4	3722-001061	JA611	JACK-PHONE	1P,3.6PI,AG,BLK,N	SA
4	3722-002063	JA710	JACK-PIN	3P,AU,YEL/WHT/RED,STRAIGHT	SA
4	3722-001903	JA711	JACK-PIN	2P,-,AU,WHT/RED,-	SA
4	3722-001903	JA713	JACK-PIN	2P,-,AU,WHT/RED,-	SA
4	3722-001061	JA910	JACK-PHONE	1P,3.6PI,AG,BLK,N	SA
4	3722-001938	JA912	JACK-PIN	3P,-,AU,GRN/BLU/RED,-	SA
4	BN40-00042A	TU110	TUNER	TMQ26-405A,PAL-CW,PAL Hyper,38.9MHz,2.5V,75 ohm,75 ohm,DIN / PHONE,ASYMM,5V,TR,3	SA
4	BN40-00051A	TU111	TUNER	TMQ26-404C,PDP-NELSON,PAL B/G,PAL HYPER,38.9MHz,2.5V,75 OHM,75 OHM,PHONE,ASYMM,5	SA
4	BN97-00359X	-	ASSY SMD	°;§	SNA
5	3301-001145	BD112	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	2703-000398	BD114	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	BD117	INDUCTOR-SMD	10uH,10%,3225	SA
5	3301-001236	BD1815	BEAD-SMD	60ohm,1608,200mA,,0.7ohm	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2703-001778	BD210	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	BD211	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	3301-001145	BD212	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD213	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	2703-000398	BD214	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	BD215	INDUCTOR-SMD	10uH,10%,3225	SA
5	3301-001236	BD310	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD311	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD312	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001145	BD313	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001236	BD314	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001145	BD315	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD410	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD510	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD610	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD611	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD612	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD613	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	2703-000398	BD614	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	BD615	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	BD616	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	BD617	INDUCTOR-SMD	10uH,10%,3225	SA
5	3301-001236	BD710	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD711	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD712	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001145	BD811	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD812	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD813	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD814	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD815	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD816	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD819	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001236	BD820	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD821	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001145	BD822	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD824	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD825	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD910	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD911	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD914	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD916	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD918	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	BD919	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001236	BD920	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD921	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD922	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD923	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	3301-001236	BD924	BEAD-SMD	60ohm,1608,200mA,,,,0.7ohm	SA
5	2203-000998	C110	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000998	C111	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2402-001070	C112	C-AL,SMD	470uF,20%,16V,GP,TP,10x10.2,-	SA
5	2203-000998	C114	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000998	C115	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C116	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C120	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C121	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2402-000179	C122	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2402-000179	C123	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2402-001145	C126	C-AL,CHIP	47UF,20%,50V,GP,TP,6.3X7.7MM	SA
5	2402-001145	C127	C-AL,CHIP	47UF,20%,50V,GP,TP,6.3X7.7MM	SA
5	2203-000189	C128	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C129	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C130	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C131	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001070	C1815	C-AL,SMD	470uF,20%,16V,GP,TP,10x10.2,-	SA
5	2402-001044	C1837	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-005065	C2001	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-000140	C210	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001656	C2102	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2409-001065	C2108	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-000257	C2109	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000972	C211	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C2113	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C2115	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000140	C212	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C2120	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C2123	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000972	C213	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C2132	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C2133	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C2137	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C2139	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-001140	C214	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2203-005065	C2140	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-005005	C2145	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C2147	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-001140	C215	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2409-001065	C216	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-001140	C217	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2203-001140	C218	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2409-001065	C219	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2402-001042	C220	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C221	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C222	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001042	C223	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C224	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C225	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001140	C226	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2203-000972	C227	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000140	C228	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001140	C229	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	SA
5	2203-000972	C230	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000140	C231	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000173	C232	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C233	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000440	C234	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000838	C235	C-CER,CHIP	0.39NF,5%,50V,COG,TP,1608	SA
5	2203-001402	C236	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000440	C237	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000838	C238	C-CER,CHIP	0.39NF,5%,50V,COG,TP,1608	SA
5	2203-001402	C239	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000998	C240	C-CER,CHIP	0.047NF,5%,50V,COG,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-000998	C241	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000998	C242	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000998	C243	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000783	C245	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-001402	C246	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C247	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C248	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000903	C249	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000903	C250	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000903	C251	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000903	C252	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-005005	C253	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000552	C254	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-001656	C255	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-005005	C256	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2409-001065	C257	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-001656	C258	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-000280	C259	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000280	C260	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000280	C261	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2402-001042	C262	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C263	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2409-001065	C264	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-000972	C265	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2402-000179	C266	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000140	C267	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001402	C268	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000972	C269	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000972	C270	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2402-000179	C271	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2402-000179	C272	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000140	C273	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001402	C274	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000972	C275	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C276	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000179	C277	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-006036	C278	C-CER,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C279	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-006036	C280	C-CER,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-006036	C281	C-CER,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C282	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-006036	C283	C-CER,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-006036	C284	C-CER,CHIP	680NF,+80-20%,16V,Y5V,TP,1608	SA
5	2402-000176	C285	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000236	C286	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C287	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C288	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C289	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2402-000176	C290	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C291	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C292	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C297	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C298	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C310	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C311	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C312	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C313	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C314	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C315	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C316	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000189	C317	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001042	C318	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C319	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C320	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C321	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C322	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C323	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C324	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C325	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C326	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C327	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C328	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000135	C329	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2203-000189	C330	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C331	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C332	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C333	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000135	C334	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2203-000189	C335	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C336	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000236	C337	C-CER,CHIP	0.1nF,5%,50V,C0G,TP,1608	SA
5	2203-005005	C338	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C339	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000236	C340	C-CER,CHIP	0.1nF,5%,50V,C0G,TP,1608	SA
5	2203-000888	C341	C-CER,CHIP	4.7nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C342	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C343	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C344	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C345	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C346	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000257	C347	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000176	C348	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000189	C349	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C350	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C351	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000135	C352	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2203-000189	C353	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000440	C354	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C355	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C356	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C357	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000135	C358	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2203-000189	C359	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005005	C360	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C361	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C362	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C363	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C364	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C365	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000838	C366	C-CER,CHIP	0.39nF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C367	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001042	C368	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-000843	C369	C-CER,CHIP	39nF,10%,25V,X7R,TP,1608,-	SA
5	2203-000975	C370	C-CER,CHIP	47nF,10%,25V,X7R,TP,1608,-	SA
5	2203-005437	C371	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	SA
5	2203-000440	C372	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001042	C373	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000236	C374	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-005005	C375	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000440	C376	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C377	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C378	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C379	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000888	C380	C-CER,CHIP	4.7nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C381	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C382	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C383	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C384	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C385	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C386	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-000176	C387	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C388	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C389	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C410	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C4100	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C4101	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C4102	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C4103	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C4104	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C4105	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C411	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C413	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C415	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C417	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C419	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C421	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C423	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C425	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C426	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C427	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C428	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C429	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2409-001035	C430	C-ORGANIC	10uF,20%,10V,LZ,TP,5.4x4.3x4.3mm,1	SA
5	2409-001035	C431	C-ORGANIC	10uF,20%,10V,LZ,TP,5.4x4.3x4.3mm,1	SA
5	2203-000257	C437	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C439	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C441	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C443	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C447	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C449	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C451	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C452	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C453	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C454	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C455	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C456	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C457	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C458	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C459	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C460	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C477	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C478	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C479	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C480	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C481	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C482	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C483	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000280	C486	C-CER,CHIP	0.01NF,0.5PF,50V,COG,TP,1608	SA
5	2203-000280	C487	C-CER,CHIP	0.01NF,0.5PF,50V,COG,TP,1608	SA
5	2203-001222	C488	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	SA
5	2203-001222	C489	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C491	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C492	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C493	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C494	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C495	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C496	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C497	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C498	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C499	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C510	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-000176	C5102	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C5103	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000440	C5104	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C5106	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C5107	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C5108	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C5109	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C511	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000440	C5110	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C5111	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C5113	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C5115	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C5116	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C5117	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C5118	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000440	C5119	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C512	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C5123	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C5124	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C5125	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C5126	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000440	C5127	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C5128	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C5129	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C513	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005065	C5130	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-005065	C5131	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2402-001086	C5132	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005005	C5133	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001086	C5136	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2402-001086	C5137	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005005	C5138	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000815	C5139	C-CER,CHIP	0.033NF,5%,50V,COG,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C514	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005065	C5140	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-000626	C5141	C-CER,CHIP	0.022nF,5%,50V,C0G,TP,1608	SA
5	2203-005005	C5142	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001086	C5143	C-AL,SMD	100uF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005005	C5144	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C5145	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C515	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C516	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C517	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C518	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C519	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C520	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C521	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C522	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C523	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C524	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C525	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C526	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C527	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C528	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C529	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C530	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C531	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C532	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C533	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C534	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C535	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C536	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C537	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C538	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C539	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C540	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C541	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C542	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C543	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C544	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C545	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000384	C547	C-CER,CHIP	0.015nF,5%,50V,C0G,TP,1608	SA
5	2203-000384	C549	C-CER,CHIP	0.015nF,5%,50V,C0G,TP,1608	SA
5	2203-000384	C550	C-CER,CHIP	0.015nF,5%,50V,C0G,TP,1608	SA
5	2402-001042	C551	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C554	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C555	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C556	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C557	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C558	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C559	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C560	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C561	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C562	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C563	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C564	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C565	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001042	C570	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C572	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-000189	C573	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C574	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C578	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C579	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C580	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C585	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C586	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C587	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C588	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C589	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C596	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C598	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000179	C610	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2402-000173	C6100	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000179	C6101	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C6103	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C6104	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C6105	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C6106	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C6107	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-001652	C6108	C-CER,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000972	C611	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-001652	C6110	C-CER,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000257	C6111	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C6113	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C6115	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000173	C6116	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C6117	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C6118	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000189	C6119	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000135	C612	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2402-001044	C6120	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-000189	C6121	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-001607	C6122	C-CER,CHIP	0.22nF,5%,50V,NP0,-,1608	SA
5	2402-000170	C6123	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-000170	C6124	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2203-000189	C6125	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001044	C6126	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2402-001044	C6127	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-000189	C6128	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-001071	C613	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-000872	C614	C-CER,CHIP	0.003NF,0.25PF,50V,C0G,TP,1608	SA
5	2402-000173	C615	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000140	C616	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001071	C617	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-000872	C618	C-CER,CHIP	0.003NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-001656	C619	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2402-000176	C620	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000189	C621	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C622	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-000173	C623	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C624	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C625	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C626	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C627	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C628	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2402-000173	C629	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C630	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000189	C631	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C632	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C633	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000173	C634	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-005005	C635	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000888	C636	C-CER,CHIP	4.7nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C637	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000888	C638	C-CER,CHIP	4.7nF,10%,50V,X7R,TP,1608	SA
5	2402-000176	C639	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C640	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000798	C641	C-CER,CHIP	33nF,10%,16V,X7R,TP,1608,-	SA
5	2203-000440	C642	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000798	C643	C-CER,CHIP	33nF,10%,16V,X7R,TP,1608,-	SA
5	2203-001656	C644	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-000715	C645	C-CER,CHIP	3.3nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000140	C646	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C647	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001042	C648	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-000176	C649	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C650	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C651	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C652	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000798	C653	C-CER,CHIP	33nF,10%,16V,X7R,TP,1608,-	SA
5	2203-000798	C654	C-CER,CHIP	33nF,10%,16V,X7R,TP,1608,-	SA
5	2203-005065	C655	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-005065	C656	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	SA
5	2203-001402	C657	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C658	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-005221	C659	C-CER,CHIP	15nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005221	C662	C-CER,CHIP	15nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C663	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000179	C664	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-005221	C665	C-CER,CHIP	15nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005221	C666	C-CER,CHIP	15nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001126	C667	C-CER,CHIP	0.68nF,10%,50V,X7R,TP,1608	SA
5	2402-000170	C6691	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-000170	C6692	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2203-001126	C670	C-CER,CHIP	0.68nF,10%,50V,X7R,TP,1608	SA
5	2402-000173	C671	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-001630	C672	C-CER,CHIP	330nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001630	C673	C-CER,CHIP	330nF,+80-20%,16V,Y5V,TP,1608	SA
5	2402-001042	C675	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C676	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C678	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C679	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000357	C680	C-CER,CHIP	0.15NF,5%,50V,C0G,TP,1608	SA
5	2203-001103	C681	C-CER,CHIP	6.8nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001103	C682	C-CER,CHIP	6.8nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000357	C683	C-CER,CHIP	0.15NF,5%,50V,C0G,TP,1608	SA
5	2203-000783	C684	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-000783	C685	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C686	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000783	C687	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C688	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-000236	C689	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C690	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2402-000170	C693	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-000170	C694	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-000170	C695	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-001044	C696	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2402-000135	C697	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2402-000173	C698	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C699	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000783	C708	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C709	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2402-001042	C7101	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-000176	C711	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000815	C7114	C-CER,CHIP	0.033NF,5%,50V,COG,TP,1608	SA
5	2203-000815	C7115	C-CER,CHIP	0.033NF,5%,50V,COG,TP,1608	SA
5	2203-000815	C7116	C-CER,CHIP	0.033NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7117	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7118	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7119	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000189	C712	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000236	C7120	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-005005	C713	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000236	C714	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000998	C7141	C-CER,CHIP	0.047NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C715	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C716	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7168	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7169	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7170	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C7171	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000998	C7188	C-CER,CHIP	0.047NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C721	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-005005	C722	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000236	C723	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C724	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2402-000176	C734	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C735	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C736	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C737	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C738	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000189	C740	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000783	C741	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C742	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C743	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000783	C744	C-CER,CHIP	0.33NF,5%,50V,COG,TP,1608	SA
5	2203-000236	C756	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-005005	C757	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000815	C758	C-CER,CHIP	0.033NF,5%,50V,COG,TP,1608	SA
5	2203-000257	C807	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C808	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000715	C809	C-CER,CHIP	3.3nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C810	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C811	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C812	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C813	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001044	C814	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2402-001042	C815	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001044	C816	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-000189	C817	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C818	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C819	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C820	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001044	C821	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-000189	C822	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C823	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001044	C824	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2402-000170	C825	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	SA
5	2402-001145	C826	C-AL,CHIP	47UF,20%,50V,GP,TP,6.3X7.7MM	SA
5	2402-001145	C827	C-AL,CHIP	47UF,20%,50V,GP,TP,6.3X7.7MM	SA
5	2402-001042	C828	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C829	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C830	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000179	C831	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C832	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C833	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C834	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2409-001029	C835	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA
5	2203-005005	C836	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001044	C837	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-005005	C838	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000405	C839	C-CER,CHIP	0.18NF,5%,50V,C0G,TP,1608	SA
5	2203-000715	C840	C-CER,CHIP	3.3nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005005	C841	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C842	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C843	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C844	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C848	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C849	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2409-001029	C850	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA
5	2203-005005	C851	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C852	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C853	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C854	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000405	C855	C-CER,CHIP	0.18NF,5%,50V,C0G,TP,1608	SA
5	2203-000257	C856	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C857	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C858	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000998	C859	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000715	C860	C-CER,CHIP	3.3nF,10%,50V,X7R,TP,1608,-	SA
5	2409-001065	C861	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-001607	C862	C-CER,CHIP	0.22nF,5%,50V,NP0,-,1608	SA
5	2203-005005	C863	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C864	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2409-001049	C865	C-ORGANIC	47UF,20%,6.3V,FX,TP,5X5.9MM,-	SA
5	2203-000189	C866	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C867	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C868	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C869	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C870	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000165	C871	C-AL,SMD	47uF,20%,6.3V,GP,TP,5.3x5.3x5.	SA
5	2203-000257	C872	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2409-001029	C873	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C874	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000405	C875	C-CER,CHIP	0.18NF,5%,50V,COG,TP,1608	SA
5	2402-001044	C876	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-005005	C877	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2409-001049	C878	C-ORGANIC	47UF,20%,6.3V,FX,TP,5X5.9MM,-	SA
5	2203-000189	C879	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C880	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C881	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000165	C882	C-AL,SMD	47uF,20%,6.3V,GP,TP,5.3x5.3x5.	SA
5	2203-000257	C883	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2409-001029	C884	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA
5	2203-005005	C885	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C886	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000405	C887	C-CER,CHIP	0.18NF,5%,50V,COG,TP,1608	SA
5	2402-001042	C888	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C889	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C890	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000715	C891	C-CER,CHIP	3.3nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001042	C892	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C893	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C894	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C910	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C9100	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000552	C9102	C-CER,CHIP	0.02NF,5%,50V,COG,TP,1608	SA
5	2203-000552	C9103	C-CER,CHIP	0.02NF,5%,50V,COG,TP,1608	SA
5	2203-005005	C9105	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C9106	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000179	C9107	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C9108	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9109	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005005	C911	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C9110	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005005	C9112	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C9113	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C9114	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000176	C9115	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-000189	C9116	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C9117	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C912	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000236	C9120	C-CER,CHIP	0.1NF,5%,50V,COG,TP,1608	SA
5	2203-005005	C9121	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9122	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000135	C9125	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2203-000189	C9126	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000176	C9129	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C913	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C9131	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9137	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C9139	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C914	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C9146	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9147	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C9149	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C915	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9151	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C9152	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2402-000176	C9154	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C9157	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C9159	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C916	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C9162	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2409-001029	C917	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA
5	2203-005005	C918	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000179	C9183	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C9184	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000179	C9185	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C9186	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9187	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9188	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9190	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9191	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9192	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C9193	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000179	C9196	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C9197	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9198	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9199	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C920	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C9200	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9201	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9202	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C9203	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000179	C9204	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2203-000189	C9205	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9206	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9207	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9208	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9209	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9210	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9211	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9212	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C9213	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000815	C9215	C-CER,CHIP	0.033NF,5%,50V,C0G,TP,1608	SA
5	2203-000815	C9216	C-CER,CHIP	0.033NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C9217	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000405	C9218	C-CER,CHIP	0.18NF,5%,50V,C0G,TP,1608	SA
5	2402-000173	C9219	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-005005	C922	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9223	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9224	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9225	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9226	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9227	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9228	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2409-001065	C9229	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-005005	C923	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000173	C9230	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2402-000173	C9231	C-AL,SMD	4.7uF,20%,35V,GP,TP,4.3x4.3x5.	SA
5	2203-000189	C9232	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000236	C9233	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C9234	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C9238	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C9239	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C924	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C9240	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C9241	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C9242	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C9243	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C9244	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000280	C9245	C-CER,CHIP	0.01nF,0.5PF,50V,C0G,TP,1608	SA
5	2203-005005	C925	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C926	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C927	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C928	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C929	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C931	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2409-001065	C933	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2203-005005	C934	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C935	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C936	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C937	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C938	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C939	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C940	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C941	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C942	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C943	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C944	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C945	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C9451	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9452	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9453	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9454	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9455	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9456	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C946	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C947	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001042	C9471	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C948	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C949	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C950	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C951	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2409-001065	C9511	C-ORGANIC	82uF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2402-001042	C9512	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C9513	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C9514	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C952	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-001071	C9524	C-CER,CHIP	0.056nF,5%,50V,C0G,TP,1608	SA
5	2402-000176	C9525	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9526	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-001042	C9527	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C9528	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9529	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005005	C953	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C9530	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9531	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9532	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-000189	C9533	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9534	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9535	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9536	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000998	C9537	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2402-000176	C9538	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9539	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-005005	C954	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000176	C9540	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9541	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9542	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C9543	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-000135	C9544	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2402-000135	C9545	C-AL,SMD	22uF,20%,16V,GP,TP,5.3x5.3x5.4	SA
5	2402-001044	C9547	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2203-000440	C9548	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C9549	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000552	C955	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C9552	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9553	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9554	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9555	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000783	C9556	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-005005	C9557	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000236	C9558	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C9559	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000552	C956	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000998	C9560	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-001402	C9561	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C9562	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-001402	C9563	C-CER,CHIP	220nF,+80-20%,16V,Y5V,TP,1608	SA
5	2203-000280	C9564	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000280	C9565	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000280	C9566	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000189	C9568	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C9569	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000176	C957	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2402-001044	C9570	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	SA
5	2402-001042	C9573	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C9574	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2402-001042	C9575	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-000189	C958	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005005	C9581	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C9582	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C9586	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000426	C9588	C-CER,CHIP	0.018NF,5%,50V,C0G,TP,1608	SA
5	2203-000426	C9589	C-CER,CHIP	0.018NF,5%,50V,C0G,TP,1608	SA
5	2402-001042	C959	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-006017	C9590	C-CER,CHIP	0.56NF,5%,50V,C0G,TP,1608	SA
5	2402-000179	C9591	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	SA
5	2409-001065	C9592	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2402-001042	C9593	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2409-001065	C9594	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	SA
5	2402-000108	C9601	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-005005	C961	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C962	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2203-005005	C963	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C964	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C965	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C966	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C967	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C968	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C969	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C970	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C971	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C972	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C973	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C974	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C975	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C976	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C977	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C978	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C979	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C980	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C981	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C982	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000170	C983	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4	SA
5	2402-000176	C984	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	2203-001630	C985	C-CER,CHIP	330nF,+80-20%,16V,Y5V,TP,1608	SA
5	2402-001042	C986	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C987	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C988	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C989	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C990	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001042	C9901	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	SA
5	2203-005005	C9902	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C991	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C992	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C993	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005005	C994	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C995	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C996	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000257	C997	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C998	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-000176	C999	C-AL,SMD	10uF,20%,16V,GP,TP,4.3x4.3x5.4	SA
5	3711-005470	CN510	CONNECTOR-HEADER	BOX,30P,1R,1.25mm,SMD-A,Sn+Pb,IVR	SA
5	3711-005291	CN610	CONNECTOR-HEADER	BOX,2P,1R,2MM,SMD-A,SN,WHT	SA
5	3711-005292	CN611	CONNECTOR-HEADER	BOX,3P,1R,2MM,SMD-A,SN,WHT	SA
5	3701-001298	CN716	CONNECTOR-HDMI	19P,2R,FEMALE,SMD-S,AU20U	SA
5	3711-005497	CN812	CONNECTOR-HEADER	BOX,15P,1R,1.25mm,SMD-A,SnPb,IVR	SA
5	0407-000123	D1910	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0407-000123	D1911	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0407-000123	D2201	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0407-000123	D2202	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0407-000123	D2205	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0401-001056	D310	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001016	D3700	DIODE-ZENER	RLZ6.2B,5.96-6.27V,500MW,LL-34,TP	SA
5	0403-000620	D3701	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-001016	D3704	DIODE-ZENER	RLZ6.2B,5.96-6.27V,500MW,LL-34,TP	SA
5	0403-001016	D3705	DIODE-ZENER	RLZ6.2B,5.96-6.27V,500MW,LL-34,TP	SA
5	0403-000620	D3706	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-000620	D3707	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	0403-000620	D3708	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-000620	D5901	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-000620	D5902	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-000620	D5903	DIODE-ZENER	RLZ5.6B,5.45-5.73V,500MW,LL-34,TP	SA
5	0403-001052	D610	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D611	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001282	D612	DIODE-ZENER	BZT52-C15,13.8-15.6,410MW,SOD-123,TP	SA
5	0401-001056	D616	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D617	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D618	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D619	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D620	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D621	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D622	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D623	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D706	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D707	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D708	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D709	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0407-000123	D710	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0401-001056	D711	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D712	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D713	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D714	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D715	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D716	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D717	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D718	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D719	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D720	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001016	D725	DIODE-ZENER	RLZ6.2B,5.96-6.27V,500MW,LL-34,TP	SA
5	0403-001052	D726	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D730	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0407-000123	D747	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0401-001056	D748	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D749	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D750	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D751	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D752	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D753	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D754	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0401-001056	D755	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D756	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0401-001056	D757	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0407-000123	D758	DIODE-ARRAY	DAN202K,80V,100MA,CA2-3,SOT-23,TP	SA
5	0403-001052	D762	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D763	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D764	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0401-001056	D768	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D770	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D771	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D773	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D774	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D778	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D779	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D780	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	0403-001052	D781	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D782	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D783	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D791	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D792	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D793	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D794	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D795	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D796	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D797	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D798	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0402-000553	D811	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0402-000553	D812	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0402-000553	D813	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0404-001166	D814	DIODE-SCHOTTKY	MBRM130LT3,30V,1000MA,DO-216AA,TP	SA
5	0402-000553	D815	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0403-001340	D816	DIODE-ZENER	UDZ15B,14.34-14.98V,200MW,SOD-323,TP	SA
5	0403-001340	D817	DIODE-ZENER	UDZ15B,14.34-14.98V,200MW,SOD-323,TP	SA
5	0402-000553	D818	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0403-000614	D819	DIODE-ZENER	RLZ8.2B,8.2,500mW,LL-34,TP	SA
5	0401-001056	D910	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D915	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D916	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0401-001056	D917	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	SA
5	0403-001052	D918	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D919	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D920	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D921	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-000579	D922	DIODE-ZENER	BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP	SA
5	0403-001052	D923	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D924	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D925	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D926	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D927	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D928	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D929	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D930	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D931	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D932	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D933	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D934	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D935	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D936	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D937	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D938	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D939	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D940	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D941	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D942	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0403-001052	D943	DIODE-ZENER	RD8.2MB,7.7-8.7V,200MW,SOT-23,TP	SA
5	0404-001166	D947	DIODE-SCHOTTKY	MBRM130LT3,30V,1000MA,DO-216AA,TP	SA
5	2901-001264	FT310	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT311	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT410	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT411	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT412	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2901-001264	FT413	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT510	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT511	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT512	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT513	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT514	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT515	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	3301-001605	FT516	BEAD-SMD	360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm	SNA
5	3301-001605	FT517	BEAD-SMD	360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm	SNA
5	3301-001605	FT518	BEAD-SMD	360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm	SNA
5	3301-001605	FT519	BEAD-SMD	360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm	SNA
5	3301-001605	FT520	BEAD-SMD	360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm	SNA
5	2901-001264	FT522	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT610	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	3301-001594	FT711	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT712	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT713	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT714	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT715	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT716	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT717	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001594	FT718	BEAD-SMD	90ohm,2.0x1.2x1.3mm,200mA,TP,,,0.19ohm	SA
5	3301-001145	FT810	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	2901-001264	FT812	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT813	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT814	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT908	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT909	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2703-000398	FT910	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	FT911	INDUCTOR-SMD	10uH,10%,3225	SA
5	2901-001264	FT912	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT913	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT914	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	3301-001145	FT915	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	3301-001145	FT916	BEAD-SMD	60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm	SNA
5	2901-001114	FT917	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	SA
5	2901-001264	FT918	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT919	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT921	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	2901-001264	FT922	FILTER-EMI SMD	25V,1A,-,297PF,3.2X1.6X10MM,TP	SA
5	1001-001082	IC204	IC-VIDEO SWITCH	BA7657F,-,SOP,24P,300MIL,SINGL	SA
5	1204-001926	IC210	IC-VIDEO PROCESS	VPC3230D-C5,PQFP,80P,-,PLASTIC,6V,-,0 TO 65C,TP,VPC3230D-C5	SA
5	1204-001926	IC211	IC-VIDEO PROCESS	VPC3230D-C5,PQFP,80P,-,PLASTIC,6V,-,0 TO 65C,TP,VPC3230D-C5	SA
5	1001-001177	IC212	IC-VIDEO SWITCH	TEA6425D,VIDEO SWITCH,SOIC,20P,300MIL,-,8.8V,0TO+70C,PLASTIC,-,-,2UA,ST,-	SA
5	1001-001082	IC214	IC-VIDEO SWITCH	BA7657F,-,SOP,24P,300MIL,SINGL	SA
5	1203-001559	IC220	IC-RESET	DS1834A,SOIC,8P,150MIL,PLASTIC,-,-,40TO+85C,-,-,TP	SA
5	1205-002198	IC310	IC-RECEIVER	SI1169CT100,LQFP,100P,14x14MM,PLASTIC,3.6V,-,0TO+70C,TR,PANELLINK RECEIVER	SA
5	1205-002383	IC311	IC-RECEIVER	SI9993CT100,TQFP,100P,14x14mm,PLASTIC,3.6V,-,0to+70C,TR,IC-RECEIVER	SA
5	1002-001398	IC312	IC-A/D CONVERTER	MST9883CR-110,24Bit(8x3),LQFP,80P,14x14mm,+0.5/LSB,TR,-,PLASTIC,3.3V,-,20to+80C,	SC
5	1203-002067	IC313	IC-POS.FIXED REG.	3330,SOT-23,6P,65MIL,PLASTIC,3.284/3.316V,-,40to+125C,200mA,-,TP	SA
5	1203-001212	IC314	IC-VOL. DETECTOR	7029,SOT-89,3P,-,PLASTIC,-,500	SA
5	1204-002127	IC401	IC-VIDEO PROCESS	MDIN-150,QFP,256P,28X28MM,PLASTIC,3.3V,-,0TO+70C,TR,-	SA
5	1105-001336	IC402	IC-DRAM	K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T	SA
5	1204-002244	IC501	IC-VIDEO PROCESS	DNIEPRO,BGA,272P,27x27mm,PLASTIC,3.3V,-,0to+70C,TR,IC-VIDEO PROCESS	SA
5	1105-001336	IC510	IC-DRAM	K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T	SA
5	1105-001336	IC511	IC-DRAM	K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	1206-000111	IC513	IC-TIMER	KA555D/T.R,SOP,8P,150MIL,-,18V	SA
5	1206-000111	IC514	IC-TIMER	KA555D/T.R,SOP,8P,150MIL,-,18V	SA
5	1205-001740	IC515	IC-TRANSMITTER	DS90C385,TSSOP,56P,240MIL,PLASTIC,4V,1.63W,-10 TO +70C,ST,FPD LINK-85MHZ(LVDS)	SA
5	1204-002180	IC610	IC-SOUND PROCESSOR	MSP4410G_OA_C12_500,PQFP,80P,20x14mm,PLASTIC,8.7V,1W,0to+70C,TR,IC-SOUND PROCESS	SA
5	1201-002119	IC611	IC-AUDIO AMP	TPA3004D2,HTQFP,48P,7x7mm,-,PLASTIC,18V,4.3W,-40to+85C,-,120mA,-,TR	SA
5	1001-001178	IC612	IC-AUDIO SWITCH	TEA6422D,AUDIO SWITCH ,SOIC,28P,300MIL,-,10.2V,0TO+70C,PLASTIC,-,10UA,ST,-	SA
5	1201-001907	IC613	IC-OP AMP	4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10	SA
5	1201-001907	IC614	IC-OP AMP	4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10	SA
5	1201-001495	IC615	IC-AUDIO AMP	7050,SOP,8P,150MIL,DUAL,26DB,PLASTIC,6V,0.25W,-,40DB,-,20NA,-	SA
5	1201-001907	IC616	IC-OP AMP	4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10	SA
5	1201-001907	IC617	IC-OP AMP	4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10	SA
5	1201-001907	IC618	IC-OP AMP	4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10	SA
5	1103-000129	IC710	IC-EEPROM	24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C	SA
5	1103-000129	IC711	IC-EEPROM	24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C	SA
5	1103-000129	IC712	IC-EEPROM	24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C	SA
5	0801-002267	IC713	IC-CMOS LOGIC	74LCX14,-,SOIC,14P,150MIL,-,TP,-,3.6V,-40TO+85C,-,5.5V,-,24MA	SA
5	1203-001816	IC809	IC-POS.FIXED REG.	78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP	SA
5	1203-001815	IC810	IC-POS.FIXED REG.	78M09,TO-252,3P,-,PLASTIC,8.6/9.4V,1.0W,-40TO+85C,0.5A,-,TP	SA
5	1203-001009	IC811	IC-SWITCH REG.	3172,SOP,8P,244MIL,PLASTIC,1.8	SA
5	1203-003059	IC812	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,40to+85CC,3A,1.194/1.25V,TP	SA
5	1203-003015	IC813	IC-DC/DC CONVERTER	MP1410ES,SOIC,8P,4.9x3.9mm,PLASTIC,2.5/5V,-,20to+85C,2A,-,TP	SA
5	1203-000404	IC814	IC-DC/DC CONVERTER	34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,0TO+70C,4.0MA,-,ST	SA
5	1203-002387	IC815	IC-POS.ADJUST REG.	39102,SOP,8P,153MIL,PLASTIC,-,2.5W,-40TO+125C,2.5A,1.203/1.277V,TP	SA
5	1203-003059	IC816	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,40to+85CC,3A,1.194/1.25V,TP	SA
5	1203-002387	IC817	IC-POS.ADJUST REG.	39102,SOP,8P,153MIL,PLASTIC,-,2.5W,-40TO+125C,2.5A,1.203/1.277V,TP	SA
5	1203-003059	IC818	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,40to+85CC,3A,1.194/1.25V,TP	SA
5	1203-001488	IC820	IC-POS.FIXED REG.	7805,TO-252,3P,-,PLASTIC,4.8/5	SA
5	1105-001336	IC911	IC-DRAM	K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T	SA
5	1203-001824	IC912	IC-VOL. DETECTOR	7042,SOT-89,3P,-,PLASTIC,4.05V/4.35V,500MW,-30TO+75C,20MA,-,TP	SA
5	1105-001336	IC913	IC-DRAM	K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T	SA
5	1006-001076	IC915	IC-DRIVER/RECEIVER	232,SOP,16P,300MIL,DUAL,ST,PLA	SA
5	1201-000166	IC916	IC-OP AMP	LM358,SOP,ST,8P,150MIL,DUAL,100V/MV,PLASTIC,32V,500MW,0TO+70C,70DB,0.6V/US,5NA,-	SA
5	0801-002396	IC918	IC-CMOS LOGIC	74LCX74,D FLIP FLOP,SOP,14,150MIL,DUAL,TP,2.0/3.6V	SA
5	1203-001559	IC919	IC-RESET	DS1834A,SOIC,8P,150MIL,PLASTIC,-,40TO+85C,-,TP	SA
5	1003-001559	IC920	IC-LCD CONTROLLER	PV565,PBGA,365P,24X24MM,-,22.7/57,TR,PLASTIC,3.3V,0TO+70C,-,2.4/0.4,MASS PRODUCT	SA
5	1105-001305	IC921	IC-DRAM	4S641632,1MX16X4BIT,TSOP,54P,400MIL,8NS,3.3V,10%,PLASTIC,0TO+70C,30MA,CMOS,TP	SA
5	1204-002105	IC923	IC-DECODER	SDA6001-B12,MQFP,128P,28x28mm,PLASTIC,3.60V,1.5W,0to+70C,TR,TELETEXT DECODER	SA
5	1103-001147	IC924	IC-EEPROM	24256,32Kx8,SOP,8P,5x4mm,2.7/5.5V,-40to+85C	SA
5	1106-001476	IC925	IC-SRAM	K6X1008C2D,128Kx8Bit,TSOP,32P,18.4x8.4mm,55ns,5V,4.5-5.5V,-,40to+85C,15uA,-,TP	SA
5	0803-000777	IC926	IC-TTL	74F163,COUNTER,SOP,16P,150MIL,	SA
5	0803-000777	IC927	IC-TTL	74F163,COUNTER,SOP,16P,150MIL,	SA
5	0803-000777	IC928	IC-TTL	74F163,COUNTER,SOP,16P,150MIL,	SA
5	0803-000777	IC929	IC-TTL	74F163,COUNTER,SOP,16P,150MIL,	SA
5	0801-002709	IC930	IC-CMOS LOGIC	74HC373,D FLIP-FLOP,TSSOP,20P,173MIL,OCTAL,TP,PLASTIC,3-STATE,-,0V,-40TO+85C,600	SA
5	0801-002709	IC931	IC-CMOS LOGIC	74HC373,D FLIP-FLOP,TSSOP,20P,173MIL,OCTAL,TP,PLASTIC,3-STATE,-,0V,-40TO+85C,600	SA
5	0803-000122	IC932	IC-TTL	74F125,BUFFER,SOP,14P,150MIL,Q	SA
5	0803-000117	IC933	IC-TTL	74F14,INVERTER,SOP,14P,150MIL,	SA
5	1203-001519	IC934	IC-POS.ADJUST REG.	LM317,SOT223,3P,274 X 256MIL,P	SA
5	3704-000001	IC936_SOCKET	SOCKET-IC	44P,PLCC,SN,-	SA
5	1001-001109	IC937	IC-ANALOG SWITCH	FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-40TO+85C,PLASTIC,-,4.00HM,5.	SA
5	1203-002855	IC940	IC-POS.FIXED REG.	MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V	SA
5	1203-002855	IC941	IC-POS.FIXED REG.	MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V	SA
5	1203-000404	IC942	IC-DC/DC CONVERTER	34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,0TO+70C,4.0MA,-,ST	SA
5	2703-000398	L210	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L301	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L302	INDUCTOR-SMD	10uH,10%,3225	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2703-001778	L610	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L611	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L612	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	BN27-00009A	L613	COIL CHOKE	SMD12X12X6,E0S,33UH,15%,-0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	BN27-00009A	L614	COIL CHOKE	SMD12X12X6,E0S,33UH,15%,-0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	BN27-00009A	L615	COIL CHOKE	SMD12X12X6,E0S,33UH,15%,-0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	BN27-00009A	L616	COIL CHOKE	SMD12X12X6,E0S,33UH,15%,-0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	3301-001595	L617	BEAD-SMD	1000ohm,7.0x6.0x4.5mm,4000mA,TP,,0.012ohm	SA
5	3301-001595	L618	BEAD-SMD	1000ohm,7.0x6.0x4.5mm,4000mA,TP,,0.012ohm	SA
5	2703-000398	L708	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L709	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-001778	L710	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-000398	L711	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L712	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L713	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-001778	L716	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L718	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L719	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L720	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L721	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L722	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L723	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L724	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L725	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L727	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L728	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L729	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L730	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	BN27-00008A	L811	COIL CHOKE-SMD	SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS	SA
5	BN27-00008A	L812	COIL CHOKE-SMD	SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS	SA
5	BN27-00010A	L813	COIL CHOKE	-,NK17NS,100UH,10%,-0.78V MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,1UEW 0.	SA
5	BN27-00008A	L814	COIL CHOKE-SMD	SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS	SA
5	BN27-00008A	L815	COIL CHOKE-SMD	SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS	SA
5	2703-000398	L816	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L817	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L818	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L819	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L820	INDUCTOR-SMD	10uH,10%,3225	SA
5	BN27-00010A	L821	COIL CHOKE	-,NK17NS,100UH,10%,-0.78V MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,1UEW 0.	SA
5	BN41-00424A	MP1.0	PCB MAIN	NAPLES,FR4,6,A,1.6T,240*265*1.6,NP32*	SNA
5	0501-002080	Q251	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q252	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-000344	Q253	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q410	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q411	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q412	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q413	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q414	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q415	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-002080	Q510	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q511	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-000342	Q610	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	SA
5	0501-000344	Q611	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q612	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-000344	Q613	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-002080	Q7101	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	0501-000344	Q7102	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	0501-002080	Q810	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q811	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q812	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q814	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-000342	Q909	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	SA
5	0501-002080	Q915	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q916	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-000344	Q917	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-23,TP,	SA
5	2007-000309	R111	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R112	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R114	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R115	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R116	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R117	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001101	R118	R-CHIP	62ohm,5%,1/10W,TP,1608	SA
5	2007-001101	R119	R-CHIP	62ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R120	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R121	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000090	R122	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R212	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R213	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R220	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R221	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R222	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R223	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R224	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R225	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R2251	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R2252	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R2253	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R2254	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R2255	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000052	R2256	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000052	R2257	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000052	R2258	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000072	R226	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R2260	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R2265	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R227	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R230	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R231	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R232	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R233	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R234	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R235	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R236	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R237	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R238	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R239	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R240	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R241	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R242	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R243	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R255	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000107	R258	R-CHIP	470Kohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000074	R270	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R283	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000100	R284	R-CHIP	68Kohm,5%,1/10W,TP,1608	SA
5	2007-000080	R285	R-CHIP	2Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R316	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R317	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R318	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R319	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R321	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R322	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R323	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000118	R324	R-CHIP	390ohm,5%,1/10W,TP,1608	SA
5	2007-000080	R326	R-CHIP	2Kohm,5%,1/10W,TP,1608	SA
5	2007-000821	R327	R-CHIP	390ohm,1%,1/10W,TP,1608	SA
5	2007-000779	R328	R-CHIP	33ohm,1%,1/10W,TP,1608	SA
5	2007-000779	R330	R-CHIP	33ohm,1%,1/10W,TP,1608	SA
5	2007-000084	R3301	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R331	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R332	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R333	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R334	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000125	R335	R-CHIP	3.9Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R336	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000071	R337	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000082	R338	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R339	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R340	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R342	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R343	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R344	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R345	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R347	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000133	R348	R-CHIP	330Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R349	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R350	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R351	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R352	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R353	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R354	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R355	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R356	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R357	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R358	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R359	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R360	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R361	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R362	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R363	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R364	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R365	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000120	R366	R-CHIP	680ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R367	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R368	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R370	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3701	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3702	R-CHIP	100ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000072	R4001	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R4002	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R413	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R414	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R415	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R416	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R417	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000305	R418	R-CHIP	10Mohm,5%,1/10W,TP,1608	SA
5	2007-000070	R419	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R420	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R421	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R422	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R423	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R424	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R425	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R426	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R427	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R428	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R429	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R430	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R431	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R432	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R433	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R435	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R436	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R437	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R438	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R5001	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R5002	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000113	R510	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R511	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R512	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R513	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R514	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R515	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R516	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R519	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R520	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000098	R521	R-CHIP	56Kohm,5%,1/10W,TP,1608	SA
5	2007-000052	R522	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000939	R523	R-CHIP	47Kohm,1%,1/10W,TP,1608	SA
5	2007-000094	R524	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R527	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R530	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R531	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R532	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R533	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R535	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R536	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R537	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R538	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R539	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R540	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R541	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R610	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R6102	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000084	R6104	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R6105	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R6106	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R6107	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000091	R6108	R-CHIP	12Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R611	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R614	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R615	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R616	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R617	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R618	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R619	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R620	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R621	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R622	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R623	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000329	R624	R-CHIP	11Kohm,5%,1/10W,TP,1608	SA
5	2007-000329	R625	R-CHIP	11Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R626	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R627	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R628	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R629	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R630	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R631	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000093	R632	R-CHIP	20Kohm,5%,1/10W,TP,1608	SA
5	2007-000093	R633	R-CHIP	20Kohm,5%,1/10W,TP,1608	SA
5	2007-007651	R634	R-CHIP	9.1Kohm,1%,1/10W,TP,1608	SA
5	2007-000132	R635	R-CHIP	180Kohm,5%,1/10W,TP,1608	SA
5	2007-000132	R636	R-CHIP	180Kohm,5%,1/10W,TP,1608	SA
5	2007-007651	R637	R-CHIP	9.1Kohm,1%,1/10W,TP,1608	SA
5	2007-000857	R638	R-CHIP	4.3Kohm,1%,1/10W,TP,1608	SA
5	2007-000857	R639	R-CHIP	4.3Kohm,1%,1/10W,TP,1608	SA
5	2007-000081	R640	R-CHIP	2.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R641	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000081	R642	R-CHIP	2.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R643	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000828	R644	R-CHIP	39Kohm,1%,1/10W,TP,1608	SA
5	2007-000828	R645	R-CHIP	39Kohm,1%,1/10W,TP,1608	SA
5	2007-007617	R646	R-CHIP	2.49Kohm,1%,1/10W,TP,1608	SA
5	2007-007617	R647	R-CHIP	2.49Kohm,1%,1/10W,TP,1608	SA
5	2007-002906	R649	R-CHIP	200Kohm,1%,1/10W,TP,1608	SA
5	2007-002906	R650	R-CHIP	200Kohm,1%,1/10W,TP,1608	SA
5	2007-000458	R651	R-CHIP	18Kohm,5%,1/10W,TP,1608	SA
5	2007-000882	R652	R-CHIP	4.7ohm,5%,1/10W,TP,1608	SA
5	2007-000882	R653	R-CHIP	4.7ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R654	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000083	R655	R-CHIP	3Kohm,5%,1/10W,TP,1608	SA
5	2007-000083	R656	R-CHIP	3Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R657	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-001010	R658	R-CHIP	51Kohm,5%,1/10W,TP,1608	SA
5	2007-001010	R659	R-CHIP	51Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R662	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R663	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000077	R666	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000125	R667	R-CHIP	3.9Kohm,5%,1/10W,TP,1608	SA
5	2007-000125	R668	R-CHIP	3.9Kohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000074	R669	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R670	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R671	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R676	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000091	R679	R-CHIP	12Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R680	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000103	R681	R-CHIP	120Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R683	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000129	R684	R-CHIP	27Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R685	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R686	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R687	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R688	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R689	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R690	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R692	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R693	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000103	R694	R-CHIP	120Kohm,5%,1/10W,TP,1608	SA
5	2007-000086	R696	R-CHIP	5.6Kohm,5%,1/10W,TP,1608	SA
5	2007-000086	R697	R-CHIP	5.6Kohm,5%,1/10W,TP,1608	SA
5	2007-000077	R708	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R709	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R710	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R7101	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R7102	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R7103	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000512	R7104	R-CHIP	2.4Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R7106	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000077	R711	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R712	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R7122	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-001167	R713	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R7131	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R714	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R7149	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R7158	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R7159	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R7160	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R7161	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000087	R7162	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R7165	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R717	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R7172	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000072	R718	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R7185	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R7187	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R719	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000076	R7190	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R7192	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R7204	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R721	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R7211	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R7214	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000087	R7215	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R722	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000077	R723	R-CHIP	470ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000077	R724	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R728	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R730	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7301	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7302	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7303	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7304	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7305	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7306	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7307	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7308	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7309	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R731	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7310	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7311	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7312	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7313	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7314	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7315	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R7316	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R732	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R736	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R737	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000070	R750	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R751	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R752	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000071	R753	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R754	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R755	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R756	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R757	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R758	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R7601	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R762	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R763	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R765	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R766	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R767	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R768	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R769	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000071	R770	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R771	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R772	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R773	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R774	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R775	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R776	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R777	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R778	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R789	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R790	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R791	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R793	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R794	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R796	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R797	R-CHIP	330ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000077	R799	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R814	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000129	R815	R-CHIP	27Kohm,5%,1/10W,TP,1608	SA
5	2007-000708	R816	R-CHIP	3.9Kohm,1%,1/10W,TP,1608	SA
5	2007-000122	R817	R-CHIP	1.2Kohm,5%,1/10W,TP,1608	SA
5	2007-002768	R818	R-CHIP	6.2Kohm,1%,1/10W,TP,1608	SA
5	2007-000090	R819	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000701	R820	R-CHIP	3.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000102	R821	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R822	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R823	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R824	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R825	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000239	R826	R-CHIP	1.5Kohm,1%,1/10W,TP,1608	SA
5	2007-000090	R827	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R828	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R829	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R830	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000239	R831	R-CHIP	1.5Kohm,1%,1/10W,TP,1608	SA
5	2007-000102	R832	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R833	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-008433	R834	R-CHIP	0.330HM,1%,1W,DA,TP,6432	SA
5	2007-000078	R835	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R836	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000701	R837	R-CHIP	3.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000219	R838	R-CHIP	1.2Kohm,1%,1/10W,TP,1608	SA
5	2007-000052	R839	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-002768	R840	R-CHIP	6.2Kohm,1%,1/10W,TP,1608	SA
5	2007-000078	R841	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R842	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000701	R843	R-CHIP	3.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000070	R844	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000052	R845	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000082	R846	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000857	R847	R-CHIP	4.3Kohm,1%,1/10W,TP,1608	SA
5	2007-007651	R848	R-CHIP	9.1Kohm,1%,1/10W,TP,1608	SA
5	2007-000090	R849	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R850	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000134	R851	R-CHIP	33Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R852	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000102	R853	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R855	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R856	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R857	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R901	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R902	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R907	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R909	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R910	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2011-000651	R9100	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	R9101	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000651	R9104	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	R9105	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000651	R9106	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	R9107	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2007-000070	R9109	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000084	R911	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9112	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9113	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9114	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9115	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9116	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9117	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9118	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9120	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9122	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9123	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9124	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9125	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9128	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9129	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R913	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9130	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9131	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9132	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9133	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R9134	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000074	R9135	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R9136	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R9137	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000076	R9138	R-CHIP	330ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9139	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R914	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9140	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9141	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-001167	R9142	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9143	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9144	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9145	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9146	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9147	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000094	R9148	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-001167	R9149	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R915	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9150	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9151	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000094	R9152	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9153	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-001002	R9154	R-CHIP	510ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9155	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9158	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9159	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R916	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9160	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9161	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9162	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9164	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9169	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R917	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9170	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9171	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9179	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000074	R918	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9181	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9182	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9183	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9184	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9185	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9187	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9188	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9189	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R919	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9191	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9194	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9195	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9196	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9197	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9198	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9199	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R920	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9200	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9201	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9202	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9203	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9204	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000113	R9205	R-CHIP	33ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9207	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R921	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9210	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9211	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R922	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9223	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9224	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9225	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9226	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R9227	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9229	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R923	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9230	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9231	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9232	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9233	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9234	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9235	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9236	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9237	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9239	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R924	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9241	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9246	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9248	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9249	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R925	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9250	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9251	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9252	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9253	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000402	R9256	R-CHIP	150ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000074	R926	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000287	R9262	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9265	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9266	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9267	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9268	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9269	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000074	R927	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000287	R9270	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000287	R9271	R-CHIP	1000HM,1%,1/10W,DA,TP,1608	SA
5	2007-000102	R9272	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9273	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R928	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9281	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9282	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9283	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R9284	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000821	R9285	R-CHIP	390ohm,1%,1/10W,TP,1608	SA
5	2007-000608	R9286	R-CHIP	240ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9287	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9288	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9289	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R929	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9290	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-001167	R9291	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R9292	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000091	R9297	R-CHIP	12Kohm,5%,1/10W,TP,1608	SA
5	2007-000091	R9298	R-CHIP	12Kohm,5%,1/10W,TP,1608	SA
5	2007-000094	R9299	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R930	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000094	R9300	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9301	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000124	R9302	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9303	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9304	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9305	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9306	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R9307	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000608	R9308	R-CHIP	240ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9309	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R931	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9310	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9311	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9312	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9313	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9314	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9315	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9316	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-001164	R9317	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R9318	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-001164	R9319	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000074	R932	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9320	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9321	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9322	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R9323	R-CHIP	47ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000102	R9324	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9325	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R9326	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9327	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9328	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9329	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R933	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9330	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R9331	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9332	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9333	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9334	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9335	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R934	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9346	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9347	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9348	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9349	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R935	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000962	R9350	R-CHIP	5.1Kohm,1%,1/10W,TP,1608	SA
5	2007-000070	R9357	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000219	R9358	R-CHIP	1.2Kohm,1%,1/10W,TP,1608	SA
5	2007-008433	R9359	R-CHIP	0.330HM,1%,1W,DA,TP,6432	SA
5	2007-000309	R936	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-001179	R9360	R-CHIP	8.2Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9361	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9362	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9363	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9364	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9365	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9366	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R9367	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000091	R9368	R-CHIP	12Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R9369	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R937	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R9370	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000701	R9371	R-CHIP	3.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000078	R9372	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R9373	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R938	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R939	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001134	R940	R-CHIP	68ohm,5%,1/10W,TP,1608	SA
5	2007-000077	R9401	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R9402	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R941	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R942	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R943	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R944	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R945	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R946	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R947	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R948	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2011-001093	R949	R-NET	1000HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2007-000074	R950	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R951	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R952	R-CHIP	100ohm,5%,1/10W,TP,1608	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2007-000074	R954	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R955	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R956	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001164	R9567	R-CHIP	75ohm,1%,1/10W,TP,1608	SA
5	2007-000074	R957	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R958	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R959	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R960	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R961	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R962	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000088	R963	R-CHIP	7.5Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R964	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000088	R965	R-CHIP	7.5Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R966	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2011-001093	R967	R-NET	100OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2007-000077	R968	R-CHIP	470ohm,5%,1/10W,TP,1608	SA
5	2011-000002	R969	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	R970	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2007-000070	R971	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R972	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R973	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R974	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2011-000651	R975	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	R976	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-001015	R977	R-NET	1Kohm,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000651	R978	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2007-000082	R980	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R981	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R982	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R983	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R984	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R985	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R986	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R987	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R988	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R989	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R990	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2011-000651	R991	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2007-000090	R992	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2011-000651	R993	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	R994	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000651	R995	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	R996	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA210	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA211	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA212	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA213	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA214	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA215	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA216	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-001087	RA217	R-NET	750HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000002	RA218	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA219	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA310	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA311	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA312	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description	Specification	Remarks
5	2011-000651	RA313	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA314	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA315	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA316	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA317	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA318	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA319	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA320	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA321	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000651	RA322	R-NET	100HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000585	RA323	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA324	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA325	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA326	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA327	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA328	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA329	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000585	RA330	R-NET	470HM,5%,1/16W,L,CHIP,8P,TP	SA
5	2011-000002	RA410	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA411	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA412	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA417	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA418	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA421	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA512	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA514	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA516	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA518	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA520	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA521	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA522	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA938	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA939	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA940	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA941	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA942	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA943	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA944	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA945	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA946	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA947	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA948	R-NET	220HM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2801-004004	X210	CRYSTAL-SMD	20.25MHz,20ppm,28-AAN,13pF,25ohm,TP	SA
5	2801-004004	X211	CRYSTAL-SMD	20.25MHz,20ppm,28-AAN,13pF,25ohm,TP	SA
5	2801-003954	X401	CRYSTAL-SMD	27MHz,30ppm,28-AAN,16pF,50ohm,TP	SA
5	2801-004300	X610	CRYSTAL-SMD	18.432MHz,30ppm,28-ABX,13pF,30ohm,TP	SA
5	2801-004117	X911	CRYSTAL-SMD	6MHZ,30PPM,28-ABX,20PF,1500HM,TP	SA
5	2801-003773	X913	CRYSTAL-SMD	12MHZ,30PPM,28-AAN,20PF,500HM,TP	SA
5	2801-003773	X914	CRYSTAL-SMD	12MHZ,30PPM,28-AAN,20PF,500HM,TP	SA
5	2801-003755	X916	CRYSTAL-SMD	20MHZ,30PPM,28-AAN,20PF,500HM,TP	SA
5	BN97-00362H	MICOM_SUB	ASSY MICOM-SUB	NF32EO	SNA
6	1107-001415	IC917	IC-FLASH MEMORY	29W320D,4Mx8/2Mx16Bit,TSOP,48P,18.4x12mm,70nS,2.7/3.6V,;-40to+85C,100uA,-,TR	SNA
5	MD09-00137A	IC910	IC MICOM	P-PCFM-012,P-PCFM-012,32,5V,12MHZ,I/O EXPANDER,8K BYTE,SOP,12 X19.9,8,-40° ...	SA
5	MD09-00137A	IC914	IC MICOM	P-PCFM-012,P-PCFM-012,32,5V,12MHZ,I/O EXPANDER,8K BYTE,SOP,12 X19.9,8,-40° ...	SA

Level	Loc. No.	Code No.	Description	Specification	Remarks
4	BN97-00362J	MICOM	ASSY MICOM	NF32EO	SNA
5	1102-001136	IC936	IC-EPROM	M27V160,2MX8BIT,PLCC,44P,273MM,100NS,3.3V,10%,PLASTIC,-40TO+125C,60UA,EPROM,ST	SA
4	BP62-00017A	CIS8	HEAT SINK-ES	SP-50L2HX,A6063S,T2.0,26.2,26.2,TYPE-INSULATION	SNA
2	BN91-00403B	-	ASSY LCD-E4	VENUS,,,	SNA
3	BN07-00108A	LCD	LCD	LTA320W1-L01,RS24NS,6BIT FRC,746.0*463.0*55.0,16.7M,40,0.537*0.537,0-40,5.0,1 LV	SA

7-2 Others

Level	Loc. No.	Code No.	Description	Specification	Remarks
2	BN90-00486K	-	ASSY STAND	NF32EO	SNA
3	BN96-00944A	STD	ASSY STAND P	NAPLES 32,ABS HB,WHN-2023+CLP-2258MG	SA
4	6003-000122	STD	SCREW-TAPTITE	BH,+,B,M4,L12,ZPC(YEL),SWRCH18	SNA
4	6003-001136	STD	SCREW-TAPTITE	BH,+,B,M4,L8,ZPC(YEL),SWRCH18A	SNA
4	6902-000519	STD	BAG PE	HDPE/NITRON(DOUBLE),TO.015/TO.05(DOUBLE),W1000,L700,TRP,28 LANGUAGE,2-	SNA
4	BN61-01006A	STD	BRACKET-STAND	NAPLES 32,SECC,2.0	SNA
4	BN61-01014A	STD	SUPPORT-TOP R	NAPLES 32,PPS,5.0	SNA
4	BN61-01015A	STD	SUPPORT-TOP L	NAPLES 32,PPS,5.0	SNA
4	BN63-01149A	STD	COVER-STAND	NAPLES 32,ABS,T3.0,V0,IV16	SNA
2	BN90-00640S	-	ASSY COVER FRONT	NF32EO,EUROPE	SNA
3	6003-000122	C/F+C/MID	SCREW-TAPTITE	BH,+,B,M4,L12,ZPC(YEL),SWRCH18	SNA
3	BN96-00941C	C/F	ASSY COVER P-FRONT	32 NAPLES-II,ABS HB,EUROPE	SNA
4	BN63-01144A	C/F	COVER-FRONT	NAPLES 32,ABS,T3.0,HB,GR60	SNA
4	BN63-01171C	C/F	COVER-ACRYL	NAPLES2 32,ACRYL,T2.5,EUROPE	SNA
4	BN67-00116A	C/F	LENS-LED	NAPLES 32,ACRYL,CLEAR	SNA
3	BN96-00942A	C/F	ASSY COVER P-MIDDLE	NAPLES 32,ABS HB,EUROPE	SA
4	6003-000276	C/F	SCREW-TAPTITE	BH,+,B,M3,L10,ZPC(YEL),SWCH10	SNA
4	6502-001067	C/F	CABLE CLAMP	DAFC-1300,ID2.2,T5.2,NYLIN6/6,NTR	SNA
4	BN63-01145A	C/F	COVER-MIDDLE	NAPLES 32,ABS,T3.0,V0,IV16	SNA
4	BN63-01146A	C/F	COVER-TOP	NAPLES 32,ABS,T3.0,V0,IV16	SNA
4	BN63-01147A	C/F	COVER-GRILL	NAPLES 32,ABS,T3.0,V0,IV16	SNA
2	BN90-00641K	-	ASSY COVER REAR	NF32EO	SNA
3	BN96-00943C	C/R	ASSY COVER P-REAR	32 NAPLES-II,ABS V0,EUROPE	SNA
4	BN63-01148C	C/R	COVER-REAR	NF32EO,ABS,V0 GR503,SV-012P(SILVER)	SNA
4	BN64-00263A	C/R	INLAY-REAR PAL	NAPLES 32,PC,0.8,DGN1317,NAPLE -2	SNA
2	BN91-00333D	-	ASSY CHASSIS	NF32EO,EUROPE	SA
2	BN91-00785L	-	ASSY SHIELD	NF32EO	SNA
3	6003-000117	B/MAIN+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000256	B/P/G+B/BOT	SCREW-TAPTITE	BWH,+,B,M3,L10,ZPC(YEL),SM20C	SNA
3	6003-000117	B/P/S+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000117	B/POW+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000009	B/S/L+C/F	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	SNA

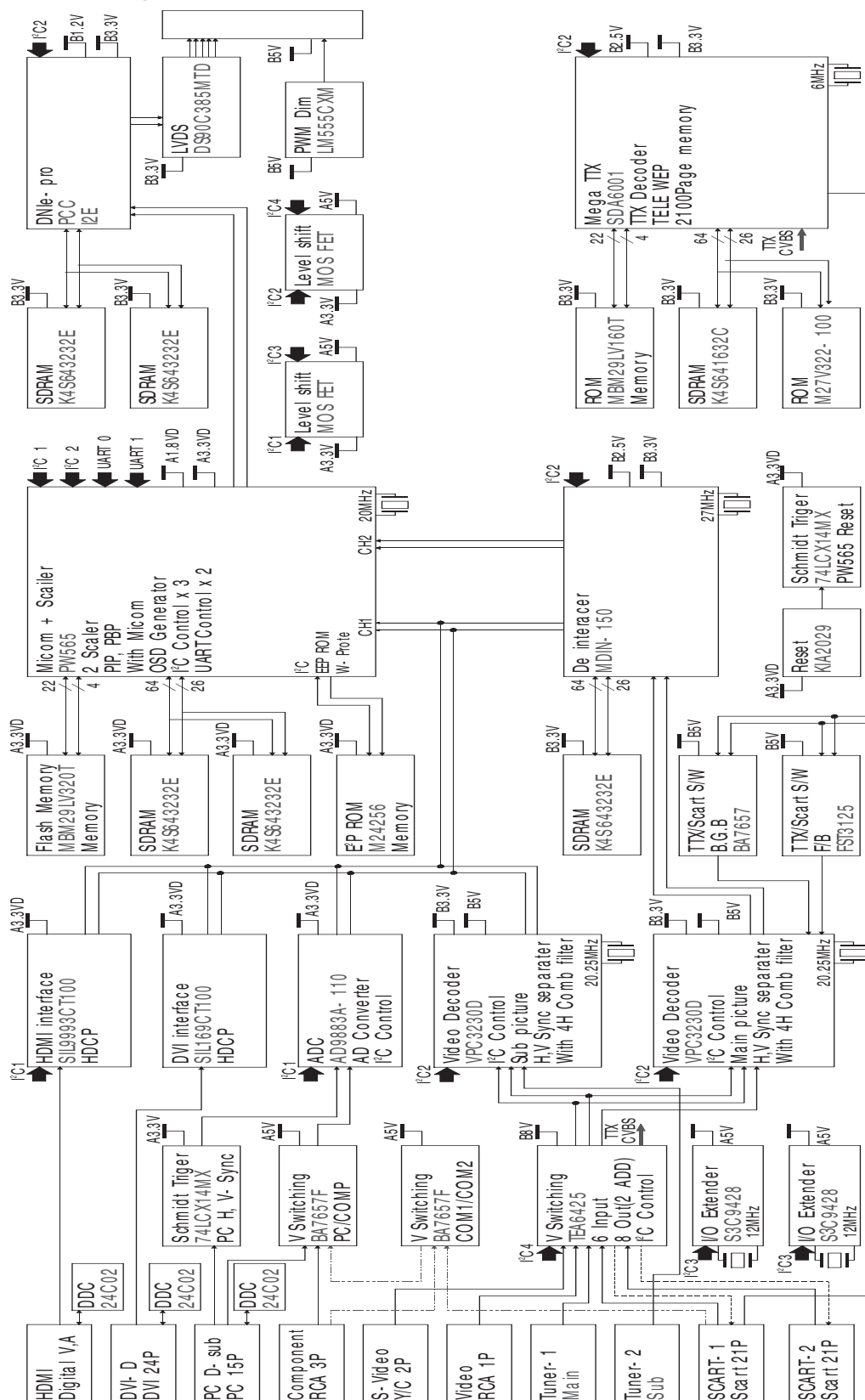
Level	Loc. No.	Code No.	Description	Specification	Remarks
3	6001-000157	B/S/L+PAN	SCREW-MACHINE	BH,+,M4,L8,ZPC(YEL),SM20C,-	SNA
3	6003-000009	B/S/L+PAN+C/F	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	SNA
3	6003-000009	B/S/R+C/F	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	SNA
3	6001-000157	B/S/R+PAN	SCREW-MACHINE	BH,+,M4,L8,ZPC(YEL),SM20C,-	SNA
3	6003-000009	BRKT/BOT+C/F	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	SNA
3	6001-000157	BRKT/BOT+PAN	SCREW-MACHINE	BH,+,M4,L8,ZPC(YEL),SM20C,-	SNA
3	6003-000009	BRKT/TOP+C/F	SCREW-TAPTITE	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	SNA
3	6001-000157	BRKT/TOP+PAN	SCREW-MACHINE	BH,+,M4,L8,ZPC(YEL),SM20C,-	SNA
3	6003-000256	C/MID+SPK	SCREW-TAPTITE	BWH,+,B,M3,L10,ZPC(YEL),SM20C	SNA
3	6001-000158	C/R+BRKT	SCREW-MACHINE	BH,+,M5,L10,NI PLT,SWRCH18A,-	SNA
3	6003-001323	C/R+C/MID	SCREW-TAPTITE	BH,+,B,M4,L12,NI PLT,SWRCH18A,-	SNA
3	6003-001323	C/R+S/PCB	SCREW-TAPTITE	BH,+,B,M4,L12,NI PLT,SWRCH18A,-	SNA
3	6046-001007	CIS	STAND OFF	M3,L5,NI PLT,SUM24L,#4-40	SNA
3	6502-001067	CIS	CABLE CLAMP	DAFC-1300,ID2.2,T5.2,NYLIN6/6,NTR	SNA
3	BN39-00484A	CIS	LEAD CONNECTOR	NAPLES,UL1007#26,UL/CSA,14P,200MM,#26,SMH200-14,PAP-14V-S,BK,1007#26,SJ03-01-559	SA
3	BN39-00526B	CIS	LEAD CONNECTOR	NF32EO,UL2835#28,12/15P,650MM,#28,12507HS-12L,12507HS-15L,BK,2835#28,CORE	SNA
3	BN39-00547A	CIS	LEAD CONNECTOR	NF32EO,UL2547#26,3P,210MM,#26,SMH250-03,SMH250-03,BK,2547#26	SNA
3	BN39-00548A	CIS	LEAD CONNECTOR	NF32EO,UL1571#30,30P,210MM,#30,12507HS-30L,BK,1571#30,SJ04-01-098,COR	SNA
3	BN61-01007A	CIS	BRACKET-SIDE R	NAPLES 32,SECC,1.6	SNA
3	BN61-01008A	CIS	BRACKET-SIDE L	NAPLES 32,SECC,1.6	SNA
3	BN61-01100A	CIS	BRACKET-POWER	NAPLES 32,SECC,1.2,NAPLES-2	SNA
3	6006-000245	G/WIRE+B/BOT	SCREW-MACHINE	WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1	SNA
3	6003-000276	IR/PCB+C/F	SCREW-TAPTITE	BH,+,B,M3,L10,ZPC(YEL),SWCH10	SNA
3	6003-000122	K/FUN+C/MID	SCREW-TAPTITE	BH,+,B,M4,L12,ZPC(YEL),SWRCH18	SNA
3	6003-000117	MAIN/PCB+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000117	P/P/SUB+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000117	POW/PCB+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000117	S/PCB+BRKT	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	BN96-00589B	CIS	ASSY MISC P-INLET	NAPLES,Inlet(BN39-00494A),Bracket(BN61-00352A),Screw(6003-001010)	SNA
3	BN96-00969A	CIS	ASSY MISC P-BRKT POWER SUB	NA32EO	SNA
4	BN61-01011A	CIS	BRACKET-POWER SUB	NAPLES 32,SECC,1.2	SNA
4	BN63-01257A	CIS	GASKET	VN30,CONDUVITVE FABRIC,5mm,10mm,320mm,GRAY,32K,71TSSK-10-5-320	SNA
3	BN96-01014C	CIS	ASSY MISC P-SHIELD PCB	NF32**,PAL	SNA
4	BN63-01150C	CIS	SHIELD-PCB	NF32**,SECC,T0.5	SNA
4	BN63-01262A	CIS	SHIELD-PCB	NAPLES 32,SECC,T1.0,NAPLES-2	SNA
3	BN96-01025A	CIS	ASSY MISC P-BRKT TOP	NA32EO	SNA
4	BN61-01009A	CIS	BRACKET-TOP	NAPLES 32,SECC,1.2	SNA
4	BN63-01259A	CIS	GASKET	NA32,CONDUVITVE FABRIC,13mm,16mm,100mm,GRAY,32K,71TSSK-16-13-100	SNA
3	BN96-01123A	CIS	ASSY MISC P-BRKT BOTTOM	32 NAPLES-II,SECC T1.2	SNA
4	BN61-01101A	CIS	BRACKET-BOTTOM	NAPLES 32,SECC,1.2,NAPLES-2	SNA
4	BN63-01258A	CIS	GASKET	NA32,CONDUVITVE FABRIC,13mm,13mm,535mm,GRAY,32K,71TSSK-13-13-535	SNA
3	BN96-01124A	CIS	ASSY MISC P-BRKT MAIN	32 NAPLES-II,SECC T1.2	SNA
4	BN61-01099A	CIS	BRACKET-MAIN	NAPLES 32,SECC,1.2,NAPLES-2	SNA
4	BN63-01259A	CIS	GASKET	NA32,CONDUVITVE FABRIC,13mm,16mm,100mm,GRAY,32K,71TSSK-16-13-100	SNA
4	BN63-01260A	CIS	GASKET	NA32,CONDUVITVE FABRIC,13mm,16mm,30mm,GRAY,32K,71TSSK-16-13-30	SNA
4	BN63-01261A	CIS	GASKET	NA32,CONDUVITVE FABRIC,13mm,16mm,50mm,GRAY,32K,71TSSK-16-13-50	SNA
3	BN96-01186A	CIS	ASSY BOARD P-FUNCTION IR	NAPLES 2,FUNCTION-IR	SNA
3	BN96-01274A	CIS	ASSY SPEAKER P	8ohm,Naples 32,Left,10W,JBL	SNA

Level	Loc. No.	Code No.	Description	Specification	Remarks
4	3001-001514	CIS	SPEAKER	8W,4ohm,80dB/1W,1m,170Hz	SA
3	BN96-01275A	CIS	ASSY SPEAKER P	8ohm,Naples 32,Right,10W,JBL	SNA
4	3001-001514	CIS	SPEAKER	8W,4ohm,80dB/1W,1m,170Hz	SA
2	BN92-00932A	-	ASSY P/MATERIAL	NA32EQ,EUROPE	SNA
3	6902-000584	P/M	BAG PE	HDPE/NITRON(DOUBLE),TO.015/TO.8,W1000,L1000,TRP,28,2	SNA
3	AA60-40006A	P/M	PIN-STAPLE	AUTO,33X17.8X2.4,H18,33X17.8X2.4	SNA
3	AA61-20285A	P/M	HOLDER-BOX	3456,PP,-,-,WHT,VO	SNA
3	AA69-02446Z	P/M	PALLET-SET	NAPLES 32,PAPER,1020,660,120	SNA
3	AA69-02609A	P/M	BAND-PP	W18,CLEA,1G	SNA
3	BN69-00707A	P/M	CUSHION	NAPLES 32,EPS,50M	SNA
2	BN92-01062X	-	ASSY BOX	NEW	SNA
3	AA68-50509A	BOX	LABEL-00,BOX	ALL MODEL,A/P 90(G),250,90	SNA
3	BN69-00712A	BOX	PACKING CASE-IN	NAPLES 32,D-4 AB,987,297,255,YEL	SNA
3	BN69-00713D	BOX	PACKING CASE-00,OUT	NF32E*,DW3 AB,C3,WHT,EU/CIS	SNA
2	BN92-01063G	-	ASSY LABEL	NEW	SNA
3	AA68-00511C	LABEL	LABEL-00,TSXT	J57A,T/P,75,22,SRS	SNA
3	AA68-01070A	LABEL	LABEL-01,MODEL	-,A/P,-,30,20,-,-,ALL MODEL,-	SNA
3	BN68-00614A	LABEL	LABEL RATING-00	ALL,SS,PE,TO.05,90*45,BLK,POLYESTER,NO SILK	SNA
2	BN92-01088F	-	ASSY ACCESSORY	LW32A33WX/XEU	SNA
3	BN59-00373F	ACCESSORY	REMOCON	NAPLES 2,TM77,32I NCH,S3P825AXZZ-QWRA,47,SV-012P2,NT,EX,Europe	SNA
3	BN96-01246Y	UNIT/ACCESSORY	ASSY ACCESSORY	LW32A33WX/XEU	SA
4	3301-001456	ACCESSORY	CORE-FERRITE	AE,15°ø7°ø18MM,-,-	SA
4	3903-000067	ACCESSORY	CBF-POWER CORD	DT,GB,GP3/YES(A),IIEC C13/C14,250/250V,10/10A,BLK,1830MM,-,H05VV-F 3X1.0MM²2,A	SA
4	4301-000103	ACCESSORY	BATTERY-ALKALINE	1.5V,750mAh,AAA,10.5x44.5mm,-	SA
4	6801-001009	ACCESSORY	CARD-WARRANTY	EUROPE(12),8	SNA
4	6801-001014	ACCESSORY	CARD-REGISTRATION	XEU,ENG,MOJO100,L150,W392,-,-	SNA
4	6902-000110	ACCESSORY	BAG PE	LDPE,TO.05,L356,W240,TRP,28,2,PE MARK	SNA
4	AA39-00171A	ACCESSORY	CBF SIGNAL	-,1P,3C-2C,2100mm,-,BLK,DIN,-,-,-	SA
4	AA68-03242A	ACCESSORY	MANUAL-01,SAFETY GUIDE	NT/PAL ALL MODEL,E/F/S/I/G/SC/ST/J/P,R,B5	SNA
4	BN68-00653C	ACCESSORY	MANUAL USERS-00	LW32A33W,SAMSUNG,E/F/G/D/I/S/P,W.Europe,Mojø120/100g,B5	SNA
4	BN69-00350A	ACCESSORY	BOX-ACCESSORY	AL29NO/AO,CB SW-1,YEL,KSD-21,60,300,230	SNA
4	BN96-01013A	ACCESSORY	ASSY ACCESSORY-SCREW	NA32E0	SNA
5	6003-001323	CIS	SCREW-TAPTITE	BH,+,B,M4,L12,NI PLT,SWRCH18A,-	SNA

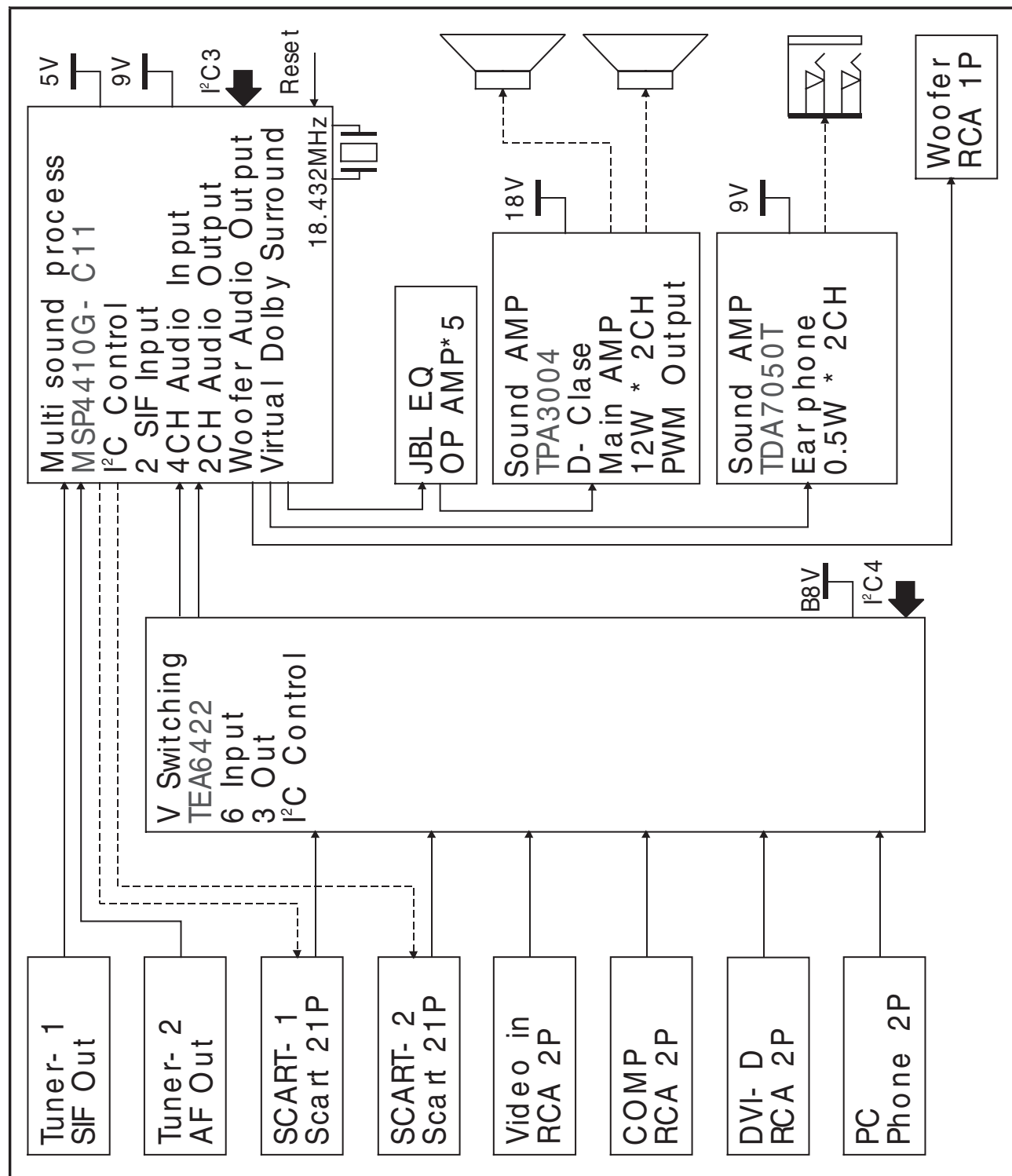
Memo

* This Document can not be used without Samsung's authorization.

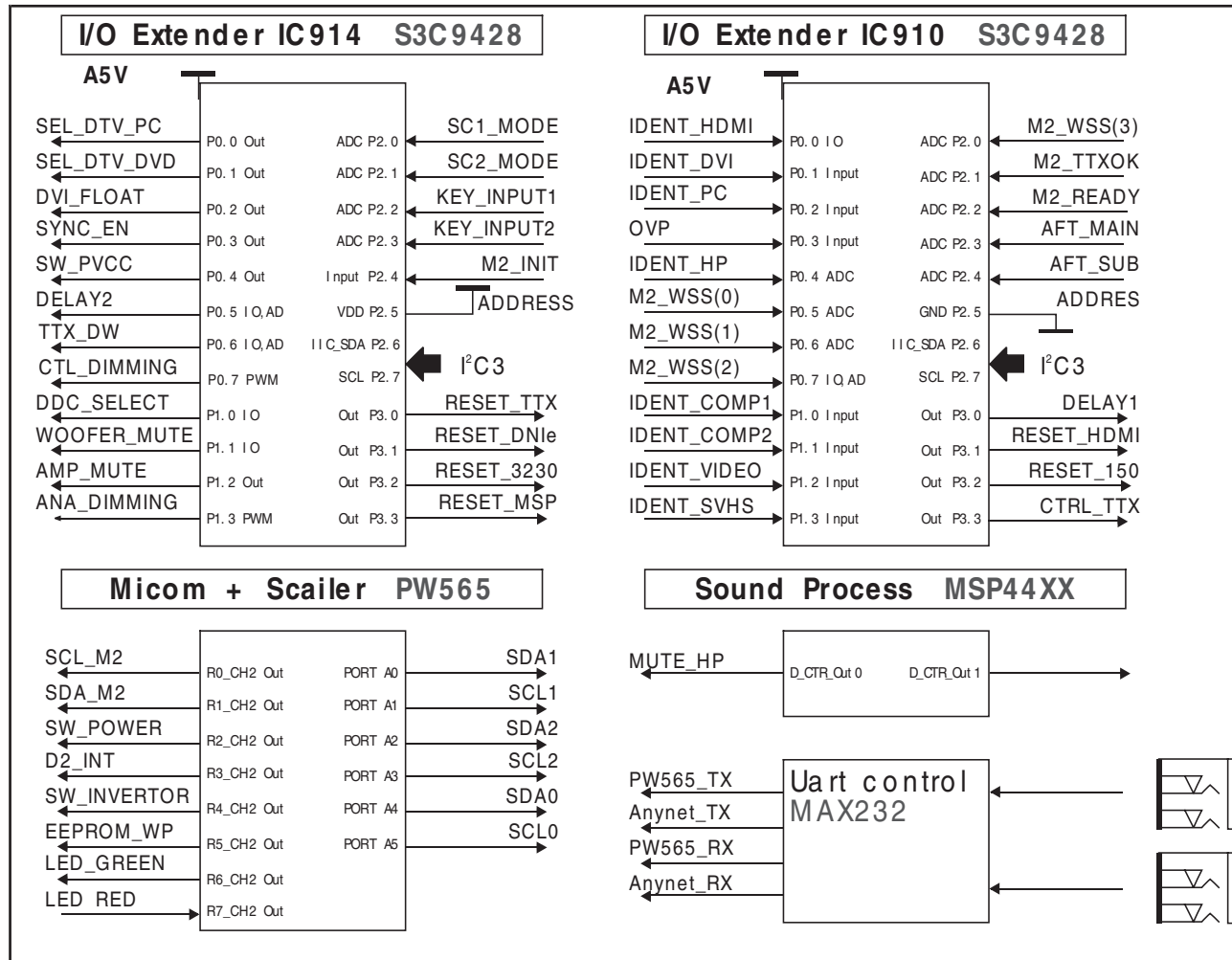
8-1-1 Main Block diagram



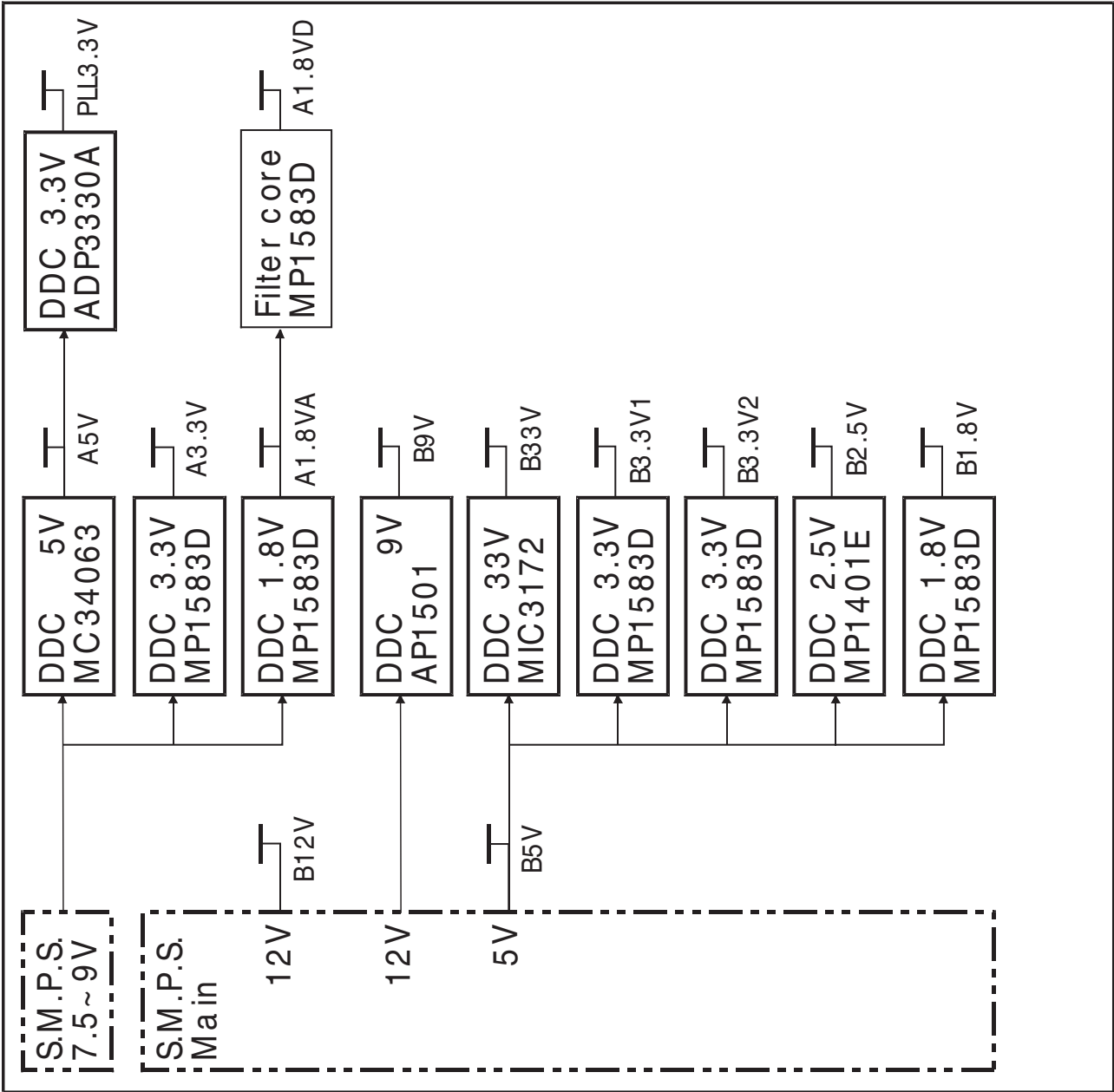
8-1-2 Sound Block diagram



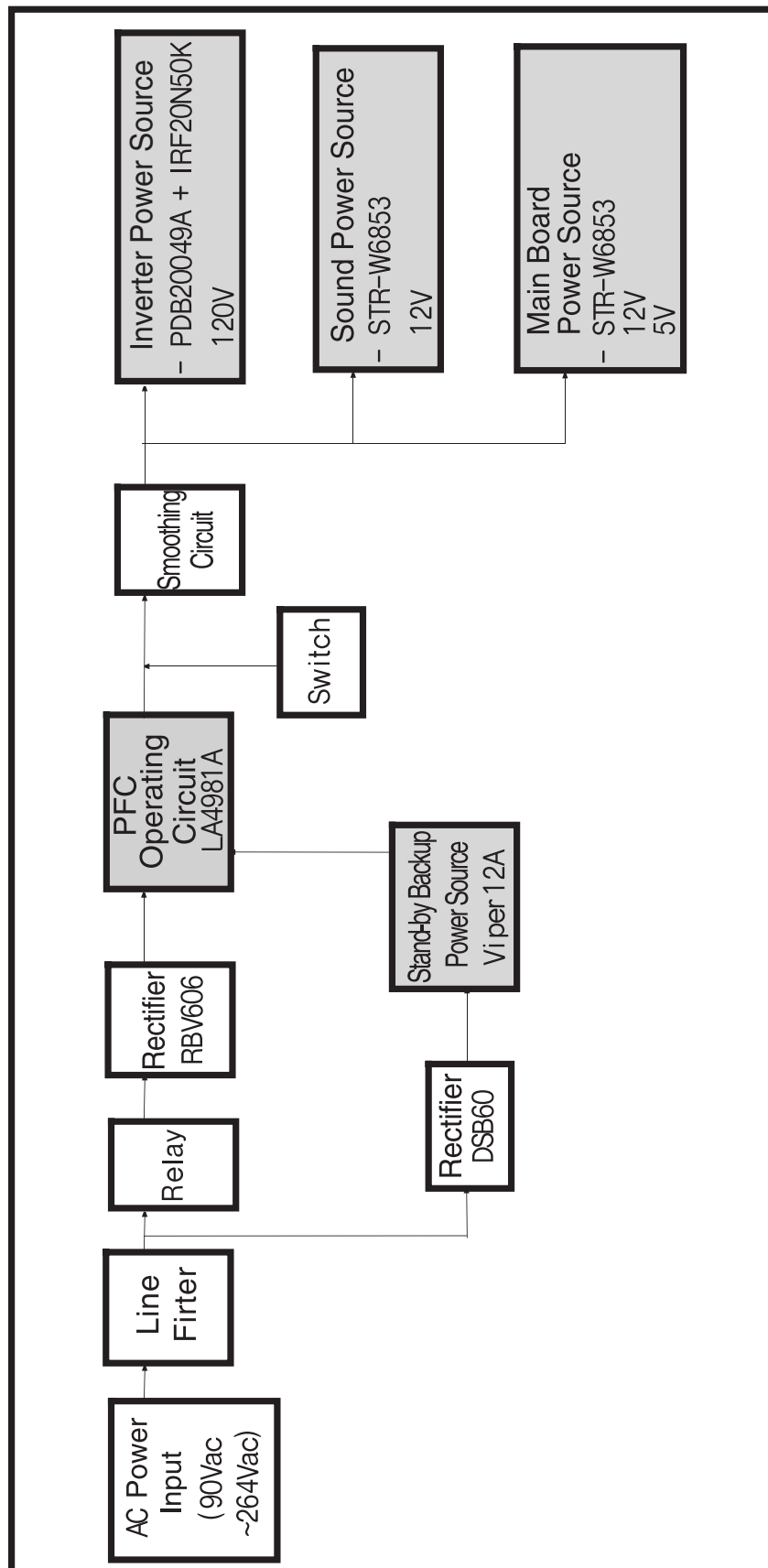
8-1-3 Switching Block diagram



8-1-4 Power Block diagram

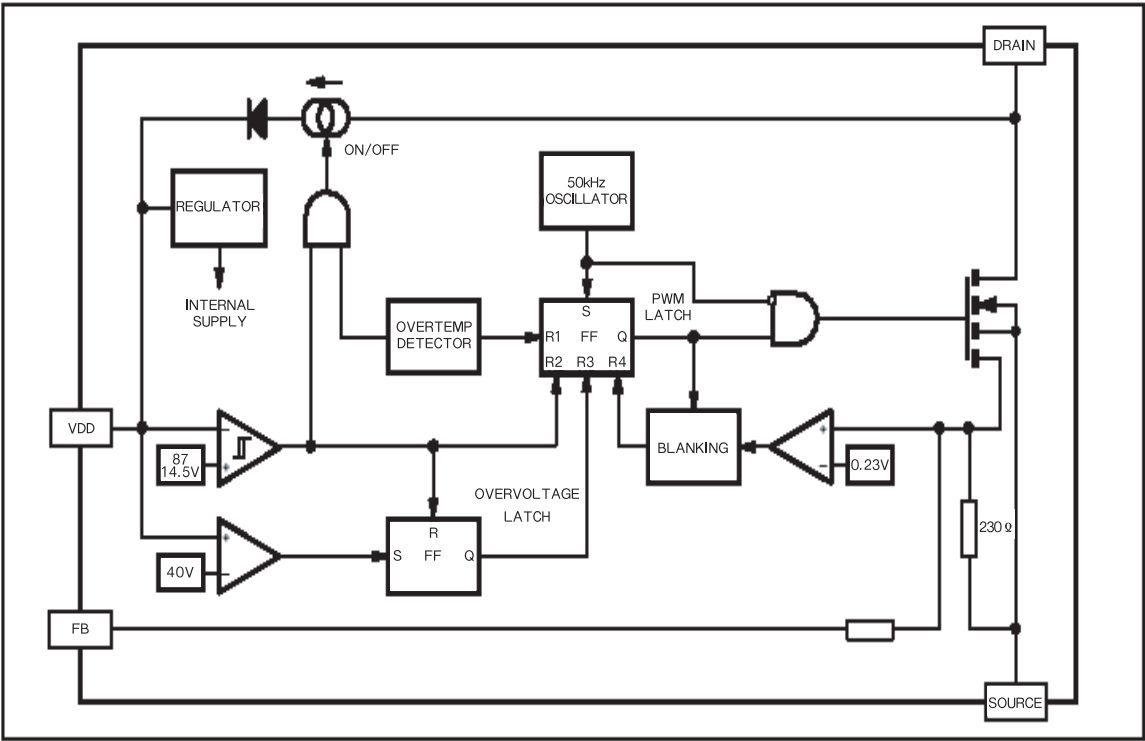


8-2 LCD-TV 32" Power Block diagram



8-3 Backup Power Source

8-3-1 Viper 12A Block Diagram



8-3-2 Pin Functions

Name	function
VDD	For supplying power to the control circuit,dividing the charged current of the high-voltage current source connected to the drain during startup,and comparing VDD voltage hysteresis. Divided into two threshold voltages VDDon to start switching and to disconnect the startup current source (normally 14.5V), and VDDoff to stop switching and to operate the startup current source (normally 8V)
SOURCE	Power MOSFET source and the circuit reference ground (GND)
DRAIN	Power MOSFET drain.Also used during startup as the internal high-voltage current source until the external VDD capacitor is charged.
FB	Feedback input.Operating voltage range of 0V ~1V.Determined by the maximum MOSFET current value. The current limit in due consideration of the maximum drain current is included in the FB pin that is connected to the source pin.

8-4 PFC Circuit

8-4-1 Operating Principles

As the stand-by power circuit starts oscillating, the control IC of the PFC circuit (L4981) is applied with V_{cc} and starts oscillating. The oscillation frequency is determined by the resistance (RP824) connected to 17Pin and the condenser (CP816) connected to 18Pin. For regulation, the output voltage is divided by resistors and monitored by 14Pin. The 4Pin voltage, which is entered after dividing this voltage and the AC voltage by resistors, is calculated in the IC and the command value of the main FET is prepared. Therefore, the output voltage is controlled by the voltage determined by the dividing resistors, and the input current has the same waveform (sine wave) as the AC voltage, producing a power factor of almost 100%.

8-4-2 Protections

1. Overvoltage

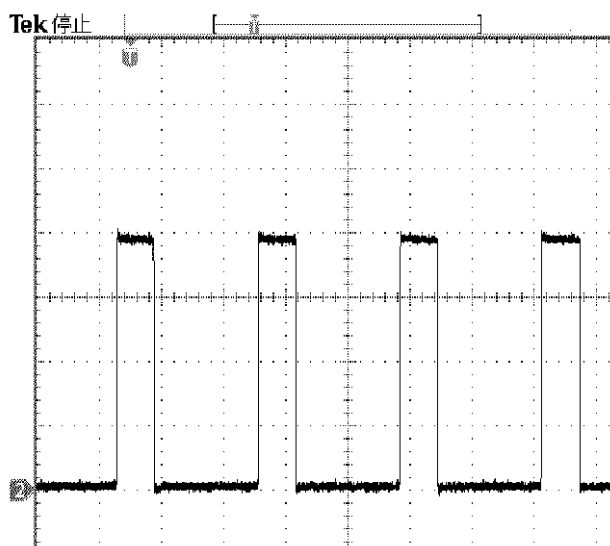
The circuit has an overvoltage protection function of the voltage limit type. In the event of a sudden interruption of the input, of overshooting [overload?] during a sudden change of load, or non-control status, this function protects the circuit by narrowing the ON width of the FET and preventing the voltage from rising above the overvoltage setting. The overvoltage can be set with RP834, RP835, RP836 and RP840. (The power source is set to approximately 385V)

2. Overcurrent

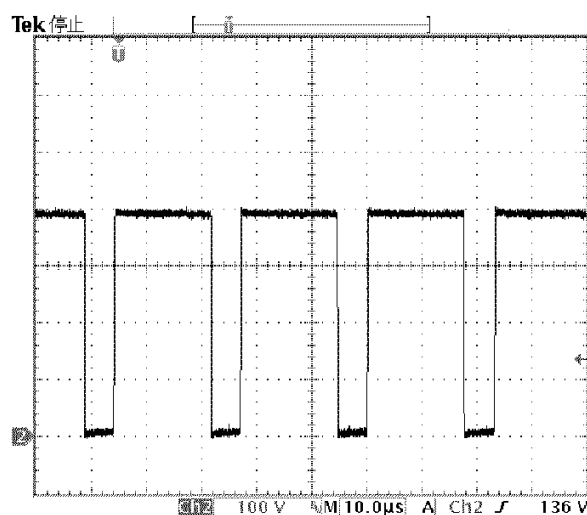
The current is converted into the voltage value through RP831 and RP832, and monitored by 2 Pin and 8 Pin of the control IC. If the voltage of the detecting resistor rises above the set value due to an increase in current, the pulse width is narrowed to limit the output.

3. Thermal Shutdown

Although the IC has a thermal shutdown function, a thermistor (TH) is installed on the heat-radiating fin of the main FET and the circuit is stopped if overheated by overload, etc.



FET VDS Waveform (Input of 100V)



FET VDS Waveform (Input of 230V)

8-5 Resonance Circuit (Power Source for Inverter)

8-5-1 Operating Principles

Explains the circuit of the power source for the inverter. With the operation of the MULTI block, a voltage is generated in the ancillary windings (4-5Pin) of T804S and is applied to 1 Pin (Vcc terminal) of the resonance circuit to start oscillation. High side FET (Q4) and low side FET (Q5) are turned on alternately, delivering energy to the secondary circuit. For voltage regulation, the output voltage is divided along resistors and monitored by the transistor (QI809), and the photo coupler (PC801S) is turned on or off. If the output voltage rises, PC801S is turned on and draws current from 13 Pin of the resonance circuit. The switching frequency then increases, reducing the charge period of the resonance condenser (CI811) and thereby limiting the output voltage. On the other hand, if the output voltage decreases, no current is drawn from 13 Pin of the resonance circuit and the switching frequency decreases, extending the charge period of the resonance condenser and thereby raising the output voltage.

8-5-2 Protections

1. Overvoltage

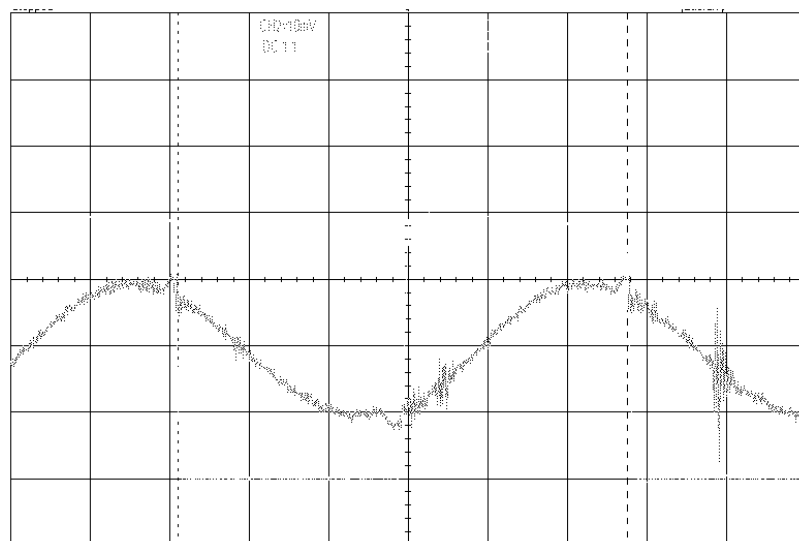
The output voltage is divided along the resistors and monitored by QI810. If the output voltage rises, the QI810 voltage also rises, which triggers QO810 to turn PC802S on. This will increase the voltage at 5 Pin of the resonance IC, which stops oscillation in the latch mode.

2. Overcurrent

The current flowing in the resonance condenser (CI811) is divided through CI808, converted into voltage at the resistors (RI809, RI816) and is monitored by 3 Pin of the resonance IC. If the output current rises, the current in the primary winding wire also rises, which triggers the voltage at 3 Pin of the IC to rise as well. If the voltage exceeds the set value, the pulse width is narrowed to limit the current.

3. Thermal Shutdown

The resonance IC has a built-in thermal shutdown function and stops oscillation at over 125 °C



FET VDS Waveform of the resonance circuit

8-6 Main Board Supply & Sound Exclusive IC of STR-W6853

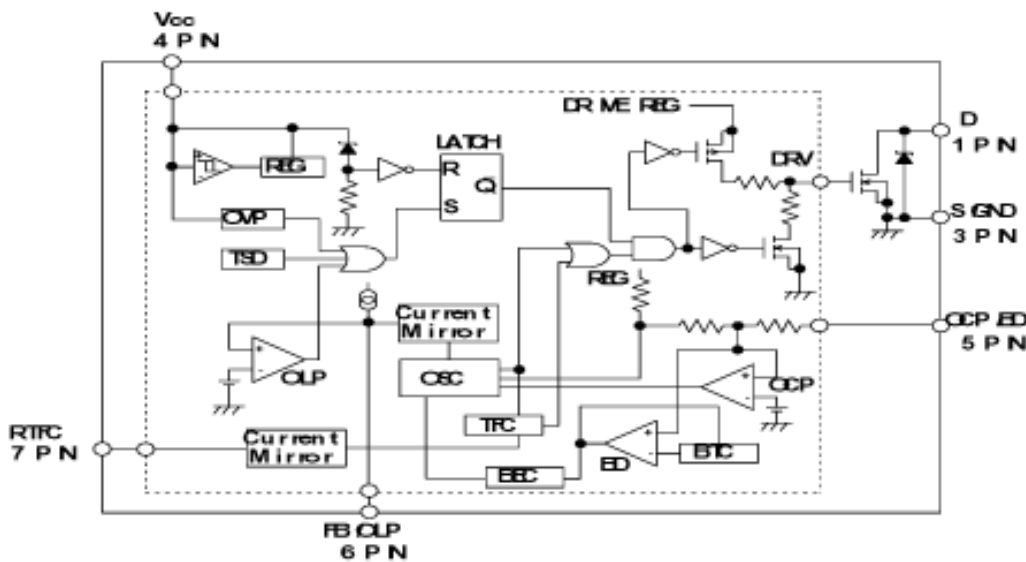
8-6-1 Outlines

1. A new 7 Pin package has been developed from the existing 5 Pin package. High-power MOSFET is embedded in a small package to save space.
2. The distance between the pins of MOSFET drain & source has been widened to 1.8mm where high voltage is applied, allowing the loading of high anti-pressure MOSFET.
3. The operation mode changes in 3 stages according to the load applied, and saves power consumption. TFC, MBS, and pseudo-oscillation are available.

8-6-2 Features

1. Improvement of power efficiency through automatic conversion of operation modes the controlling MIC part saves power consumption through a BCD processor. W6800 series changes the operation mode in 3 stages according to the load applied and saves power consumption.
 - 1) Pseudo-oscillation under load
 - 2) If MBS (Multi, Bottom, Skip) frequency exceeds 70 kHz under medium or small loads, the bottom is skipped while bottom, ON is maintained.
 - 3) If TFC (Time, Fix, Control) operation extends the ON time forcibly under St-By load, the OFF time is controlled to lower the oscillating frequency. In the event of compulsory ON, control by external resistors is possible.
2. Major Features
 - 1) Embedded overcurrent protection (OCP) of pulse by pulse
 - 2) Embedded overload protection (OLP) of latch shut down.
 - 3) Embedded thermal shutdown function.
 - 4) Embedded overvoltage protection for input voltage
 - 5) Adjustable frequency for TFC operation

8-7 Block Diagram



8-7-1 Terminal Functions

Terminal Number	Symbol	Name and Functions
1	D	MOSFET Drain terminal
2	NC	Not Connect
3	S/GND	MOSFET Source / Ground terminal
4	Vcc	Control circuit power input terminal
5	OCD/BD	Overcurrent detection signal input terminal / Bottom detection signal input terminal
6	FB/OLP	Voltage control signal input terminal / Overload protection detection terminal
7	RTFC	Fixed ON time adjustment terminal

8-7-2 Other Functions

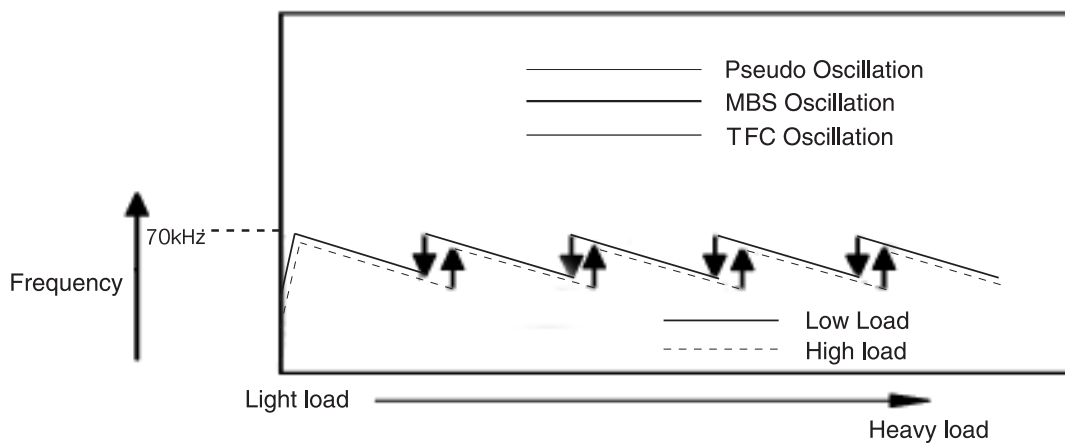
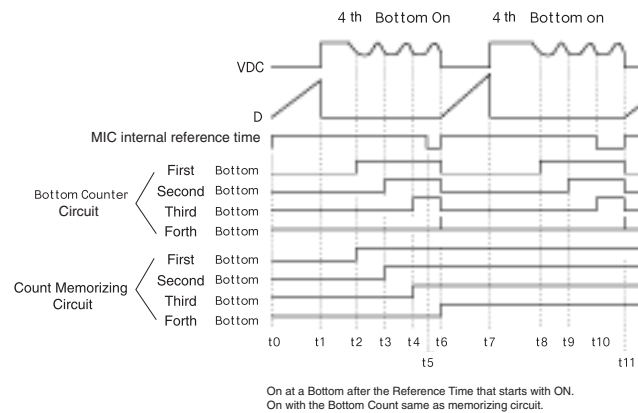
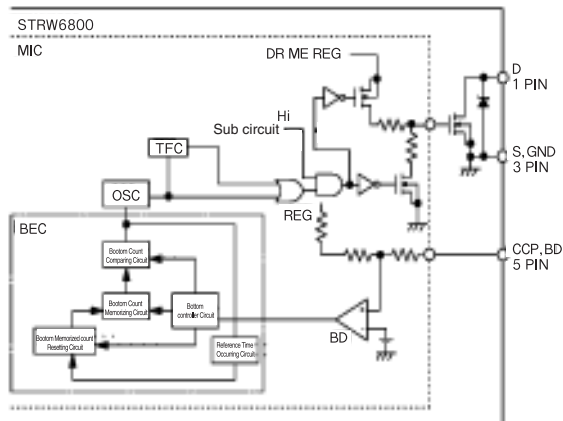
Symbol	Functions
TSD	Thermal Shutdown Circuit
OVP	Overvoltage circuit

8-8 Operation of W6853

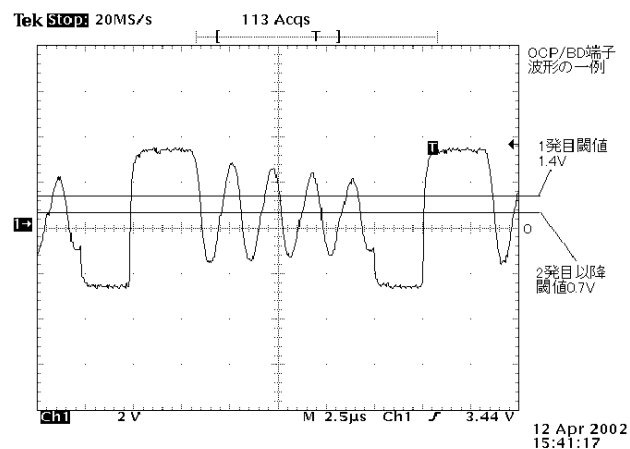
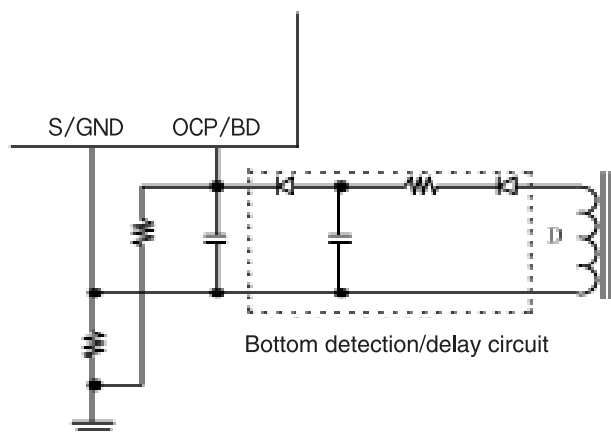
8-8-1 Outlines

1. MBS : Multi bottom skip (medium load area)

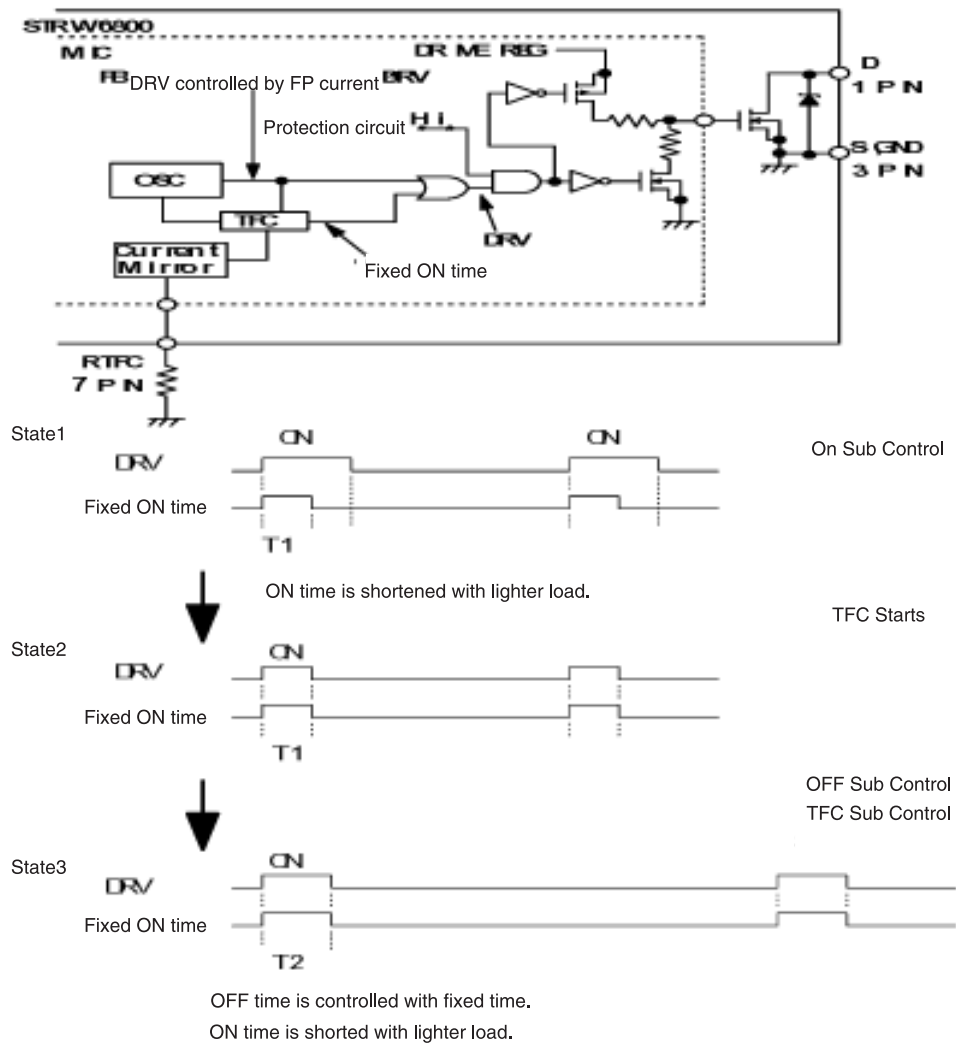
The circuit has the PWM reference time $T=14\mu\text{s}$, 70 kHz internally and is designed to turn on at a bottom less than $14\mu\text{s}$.



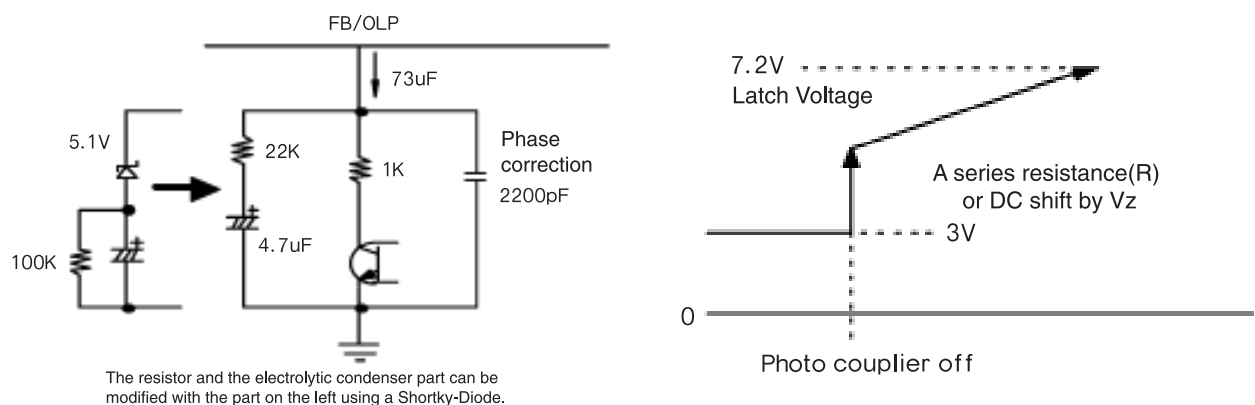
Note : MBS operations should not be counted in the overload, overcurrent area. (Bottom is not extended)
If the overload condition continues, OLP will be triggered to shut down the operation. Normally, it is not counted during startup, and if the down edge is detected only once after a count of 2, it is considered abnormal and the oscillation is stopped.



2. TFC : Time fix controller (Lighter load area during stand-by) TFC operation forcibly outputs to DRV an ON time (T2) that is longer than the fixed Ton (T1) inside the MIC to control the OFF time for stabilizing the output voltage. If MBS operation under light load moves toward the light load area again, the MBS operation is released at Ton=350 us and shifted to the TFS operation.



3. OLP

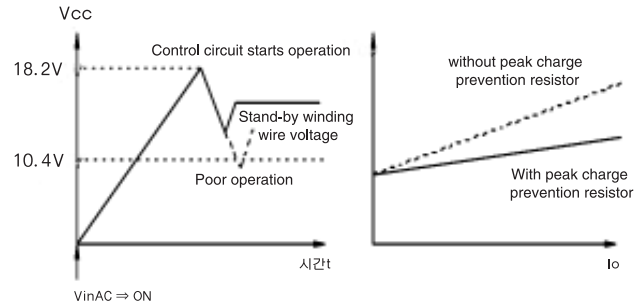
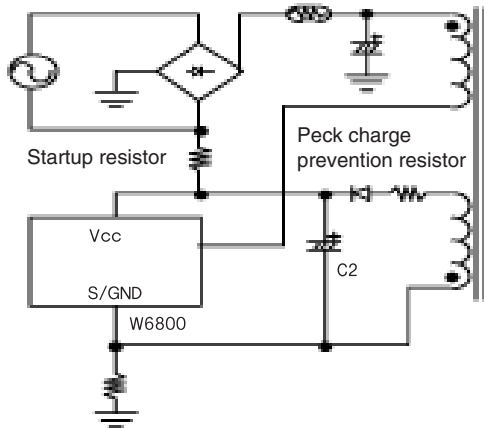


4. Vcc Terminal, Startup Circuit

Startup is performed by the startup resistor and the condenser between Vcc and S/GND.

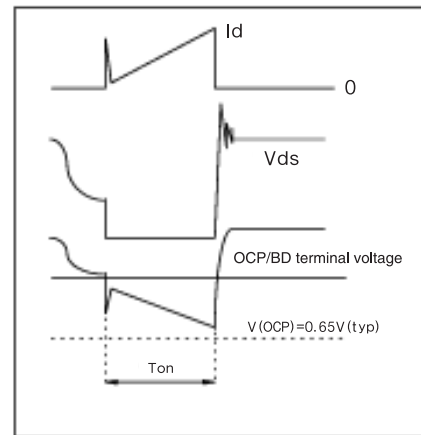
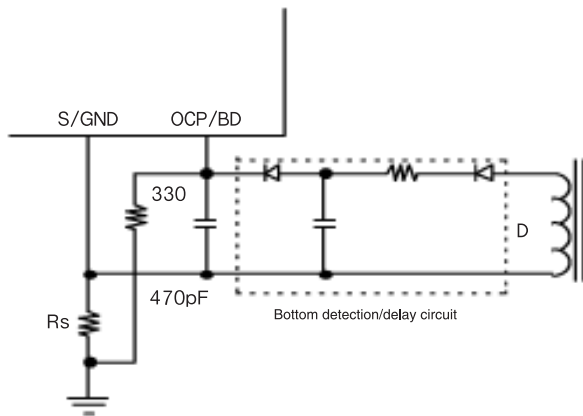
The startup voltage, Vcc is 18.2V (typ) and starts the circuit by charging C2 from the startup resistor.

After startup, operation continues with power supplied from the transistor drive winding wire.

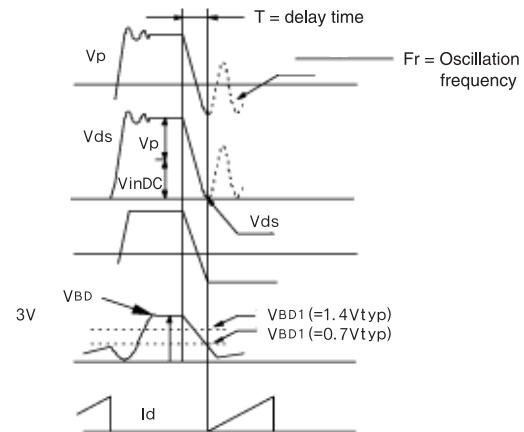
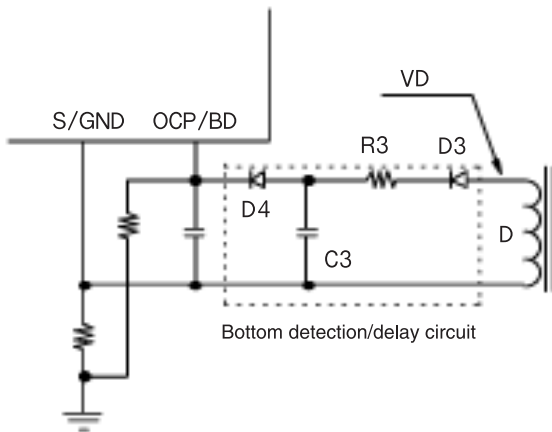


(Near the drive winding wire and stand-by power source; Startup of Vcc)

5. OCP / OLP

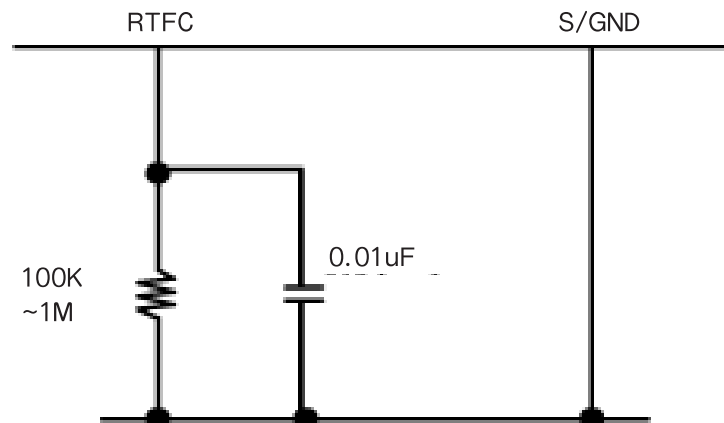


From the transistor design, under medium load with only one bottom left, it is possible for Id to exceed 50% of the normal pseudo oscillation duty. In particular, if there is still a bottom under the maximum load at VinAC (Min), confirming the condition is required. The following is an explanation of the pseudo oscillation signal input of the OCP/BD terminal.

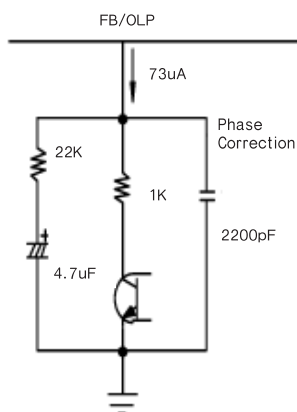


6. RTFC Terminal

Adjustment should be performed while checking the actual operation in the range of 100k to 1 M. During an IC examination, you may sometimes find minimum oscillating frequency at the RTFC resistor, but as the secondary circuit performs feedback control, I_d determined by t_{on} at RTFC shows changes in the peak value due to the primary inductance L_p of the transistor and the winding ratio. If the load consumed by the secondary circuit is constant, the peak value of I_d increases and the frequency decreases as L_p becomes smaller and the t_{on} setting becomes larger.



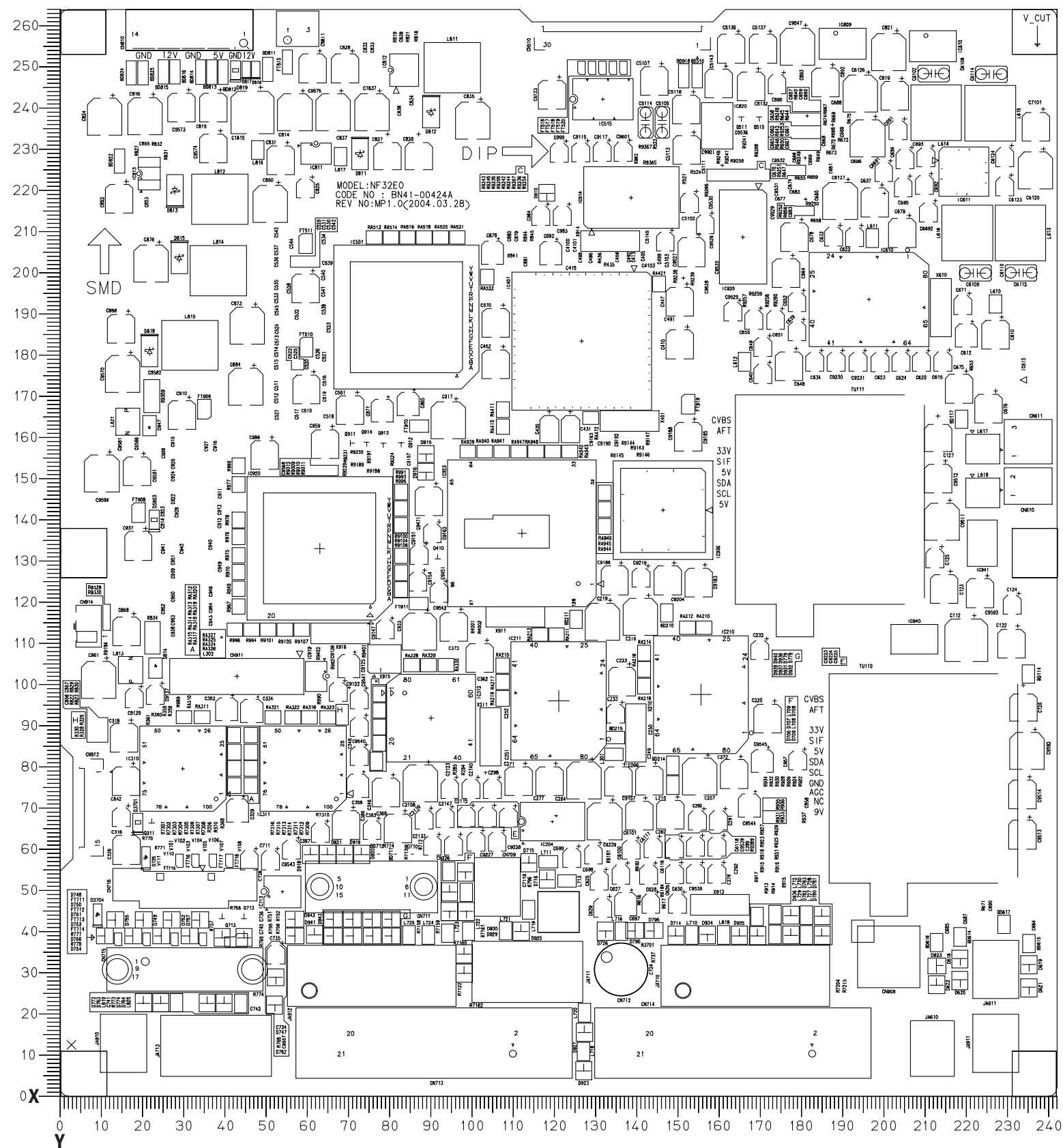
7. Phase Correction



When you have an unusual type of secondary feedback circuit and load specifications, if the phase correction of the error amp on the secondary circuit is not sufficient, due to the capacity of the smoothing input condenser being too small and the ripple voltage being too high, you can get a good result by adding a condenser between the FB/OLP terminal of W6800 and S/GND. The FB/OLP terminal is fitted with latch delay CR. If R is small, it may improve the shift start during startup, but may also cause extreme delay. Therefore, care should be taken to avoid excessive response in changing the loads.

10 PCB Layout

10-1 PCB Layout Top



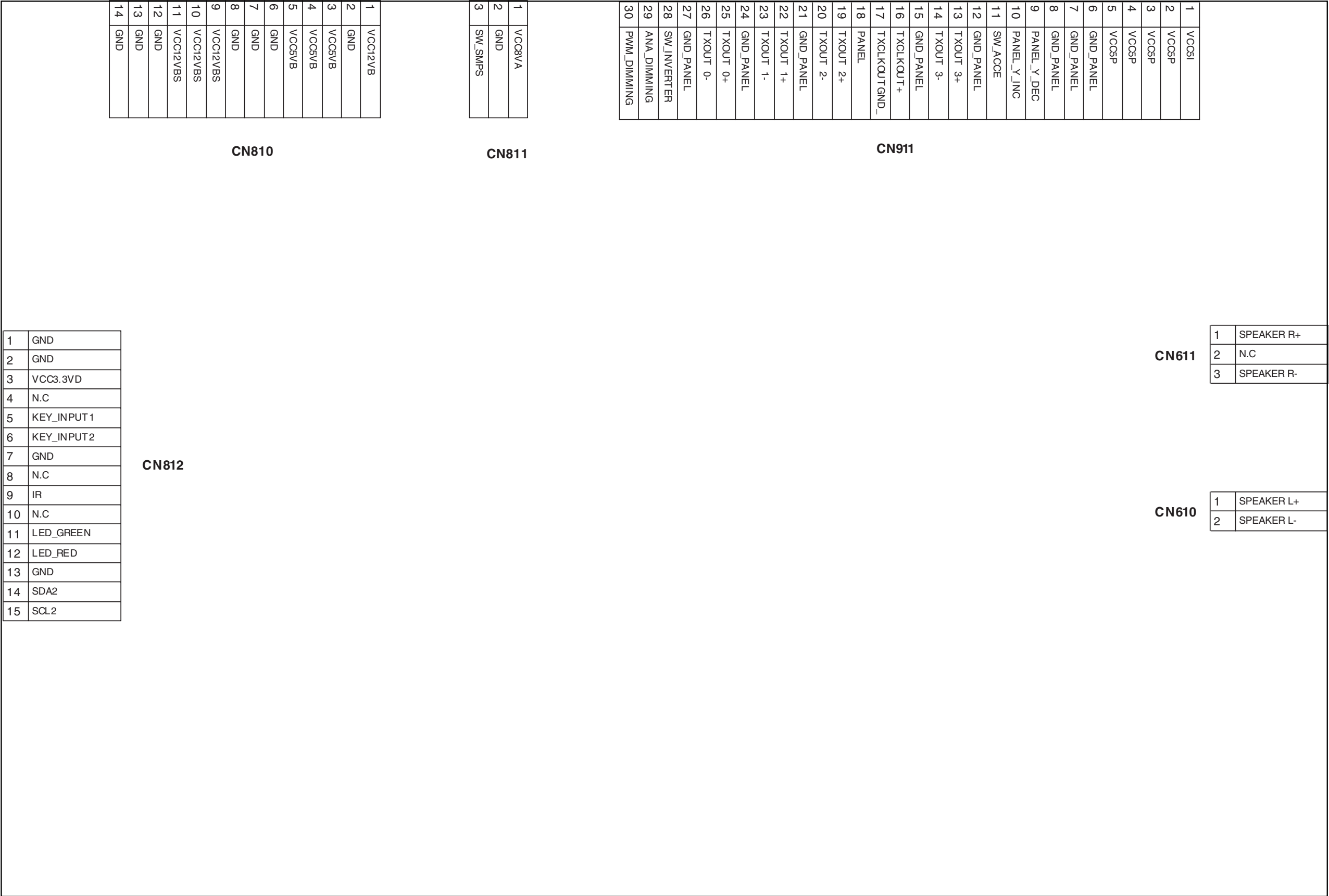
Loc. No.	Description	X	Y
DIODE			
D310	DIODE-SWITCHING	75.8	68.7
D610	DIODE-ZENER	223.1	185.5
D611	DIODE-ZENER	191.3	210.8
D612	DIODE-ZENER	175.5	179.0
D616	DIODE-SWITCHING	177.0	206.8
D617	DIODE-ZENER	185.4	206.6
D618	DIODE-ZENER	216.7	33.6
D619	DIODE-ZENER	233.3	32.2
D620	DIODE-ZENER	216.7	28.4
D621	DIODE-ZENER	233.3	26.6
D622	DIODE-ZENER	211.0	27.2
D623	DIODE-ZENER	211.0	31.9
D706	DIODE-ZENER	93.7	45.2
D707	DIODE-ZENER	93.7	49.8
D708	DIODE-ZENER	97.6	54.8
D709	DIODE-ZENER	97.8	45.2
D710	DIODE-ARRAY	56.2	63.5
D711	DIODE-SWITCHING	78.2	59.6
D712	DIODE-SWITCHING	82.3	59.6
D713	DIODE-SWITCHING	86.4	59.6
D714	DIODE-ZENER	148.2	39.2
D715	DIODE-ZENER	112.8	56.9
D716	DIODE-ZENER	117.2	52.9
D717	DIODE-ZENER	114.6	56.5
D718	DIODE-ZENER	121.9	56.4
D719	DIODE-ZENER	163.5	40.5
D720	DIODE-ZENER	167.8	40.5
D725	DIODE-ZENER	20.6	58.3
D726	DIODE-ZENER	131.3	40.4
D730	DIODE-ZENER	74.1	59.6
D747	DIODE-ARRAY	51.9	29.1
D748	DIODE-SWITCHING	10.7	39.1
D749	DIODE-SWITCHING	20.0	43.0
D750	DIODE-SWITCHING	17.5	39.1
D751	DIODE-SWITCHING	24.3	39.1
D752	DIODE-SWITCHING	26.8	43.0
D753	DIODE-SWITCHING	31.1	39.1
D754	DIODE-ZENER	44.2	38.7
D755	DIODE-SWITCHING	13.2	43.0
D756	DIODE-ZENER	38.9	38.7
D757	DIODE-SWITCHING	33.6	43.0
D758	DIODE-ARRAY	47.4	53.9
D762	DIODE-ZENER	51.7	22.4
D763	DIODE-ZENER	24.2	22.8
D764	DIODE-ZENER	39.4	22.7
D768	DIODE-SWITCHING	97.0	40.0
D770	DIODE-SWITCHING	92.9	40.0
D771	DIODE-SWITCHING	84.0	40.0
D773	DIODE-ZENER	20.0	22.8
D774	DIODE-ZENER	35.3	22.7
D778	DIODE-ZENER	79.8	43.2
D779	DIODE-ZENER	75.1	43.2
D780	DIODE-ZENER	183.4	39.2
D781	DIODE-ZENER	183.4	44.0
D782	DIODE-ZENER	175.9	39.3
D783	DIODE-ZENER	175.9	44.1

Loc. No.	Description	X	Y
D791	DIODE-ZENER	183.4	40.1
D792	DIODE-ZENER	183.4	44.8
D793	DIODE-ZENER	175.9	40.3
D794	DIODE-ZENER	175.9	44.9
D795	DIODE-ZENER	143.0	40.4
D796	DIODE-ZENER	138.4	40.4
D797	DIODE-ZENER	143.3	43.9
D798	DIODE-ZENER	138.6	43.9
D811	DIODE-RECTIFIER	72.2	229.7
D812	DIODE-RECTIFIER	89.3	239.9
D813	DIODE-RECTIFIER	27.6	220.9
D814	DIODE-SCHOTTKY	22.9	104.3
D815	DIODE-RECTIFIER	28.7	204.4
D816	DIODE-ZENER	47.1	250.4
D817	DIODE-ZENER	44.8	250.4
D818	DIODE-RECTIFIER	21.5	181.7
D819	DIODE-ZENER	42.2	250.2
D910	DIODE-SWITCHING	117.2	220.2
D915	DIODE-SWITCHING	88.1	156.6
D916	DIODE-SWITCHING	88.1	152.2
D917	DIODE-SWITCHING	88.7	40.0
D918	DIODE-ZENER	60.2	58.9
D919	DIODE-ZENER	68.4	58.9
D920	DIODE-ZENER	72.5	58.9
D921	DIODE-ZENER	64.3	58.9
D922	DIODE-ZENER	64.0	66.9
D923	DIODE-ZENER	126.0	6.2
D924	DIODE-ZENER	126.0	6.4
D925	DIODE-ZENER	110.9	40.2
D926	DIODE-ZENER	110.9	40.2
D927	DIODE-ZENER	126.2	15.6
D928	DIODE-ZENER	126.2	16.1
D929	DIODE-ZENER	97.3	30.0
D930	DIODE-ZENER	97.3	34.7
D931	DIODE-ZENER	75.2	39.1
D932	DIODE-ZENER	79.8	39.1
D933	DIODE-ZENER	148.2	40.3
D934	DIODE-ZENER	155.9	39.5
D935	DIODE-ZENER	163.5	39.2
D936	DIODE-ZENER	167.9	39.1
D937	DIODE-ZENER	70.5	39.1
D938	DIODE-ZENER	70.4	43.2
D939	DIODE-ZENER	65.8	39.1
D940	DIODE-ZENER	65.8	43.2
D941	DIODE-ZENER	56.5	39.1
D942	DIODE-ZENER	56.5	43.2
D943	DIODE-ZENER	61.2	39.4
D947	DIODE-SCHOTTKY	21.5	163.7
D1910	DIODE-ARRAY	127.6	212.3
D1911	DIODE-ARRAY	123.5	212.3
D2201	DIODE-ARRAY	178.5	248.7
D2202	DIODE-ARRAY	184.9	248.7
D2205	DIODE-ARRAY	189.5	248.7
D3700	DIODE-ZENER	32.2	40.8
D3701	DIODE-ZENER	18.7	66.8
D3704	DIODE-ZENER	9.0	44.4
D3705	DIODE-ZENER	21.4	88.4
D3706	DIODE-ZENER	18.1	75.8

Loc. No.	Description	X	Y
D3707	DIODE-ZENER	41.9	76.8
D3708	DIODE-ZENER	76.2	75.5
D5901	DIODE-ZENER	44.8	160.6
D5902	DIODE-ZENER	29.3	167.5
D5903	DIODE-ZENER	22.7	140.6
IC			
IC204	IC-VIDEO SWITCH	118.5	67.0
IC210	IC-VIDEO PROCESS	154.3	98.0
IC211	IC-VIDEO PROCESS	120.0	96.4
IC212	IC-VIDEO SWITCH	156.9	61.9
IC214	IC-VIDEO SWITCH	102.4	79.0
IC220	IC-RESET	184.5	254.2
IC310	IC-RECEIVER	29.5	79.9
IC311	IC-RECEIVER	58.5	79.9
IC312	IC-A/D CONVERTER	89.3	92.2
IC313	IC-POSI.FIXED REG.	85.2	76.5
IC314	IC-VOL. DETECTOR	70.9	69.1
IC401	IC-VIDEO PROCESS	125.6	184.1
IC402	IC-DRAM	132.8	198.9
IC501	IC-VIDEO PROCESS	83.3	190.0
IC510	IC-DRAM	58.9	176.2
IC511	IC-DRAM	58.9	200.5
IC513	IC-TIMER	149.3	226.3
IC514	IC-TIMER	143.3	226.3
IC515	IC-TRANSMITTER	130.7	243.1
IC516	FET-SILICON	163.5	249.4
IC610	IC-SOUND PROCESSOR	194.8	194.3
IC611	IC-AUDIO AMP	217.6	225.4
IC612	IC-AUDIO SWITCH	138.2	56.2
IC613	IC-OP AMP	198.5	220.2
IC614	IC-OP AMP	179.9	239.0
IC615	IC-AUDIO AMP	226.6	176.6
IC616	IC-OP AMP	179.4	228.8
IC617	IC-OP AMP	179.5	218.7
IC618	IC-OP AMP	186.0	236.9
IC710	IC-EEPROM	53.3	57.6
IC711	IC-EEPROM	51.4	42.7
IC712	IC-EEPROM	46.0	60.7
IC713	IC-CMOS LOGIC	53.5	49.9
IC809	IC-POSI.FIXED REG.	188.9	256.7
IC810	IC-POSI.FIXED REG.	210.6	256.1
IC811	IC-SWITCH REG.	61.6	229.9
IC812	IC-SWITCH VOL. REG.	82.8	250.2
IC813	IC-DC/DC CONVERTER	21.4	225.0
IC814	IC-DC/DC CONVERTER	18.6	108.0
IC815	IC-POSI.ADJUST REG.	83.9	167.3
IC816	IC-SWITCH VOL. REG.	25.0	203.5
IC817	IC-POSI.ADJUST REG.	111.8	205.4
IC818	IC-SWITCH VOL. REG.	17.4	182.2
IC820	IC-POSI.FIXED REG.	158.2	236.2
IC910	IC MICOM	176.1	60.3
IC911	IC-DRAM	31.6	124.7
IC912	IC-VOL. DETECTOR	118.7	214.5
IC913	IC-DRAM	31.6	148.4
IC914	IC MICOM	137.5	219.1
IC915	IC-DRIVER/RECEIVER	140.5	76.8
IC916	IC-OP AMP	137.4	226.3

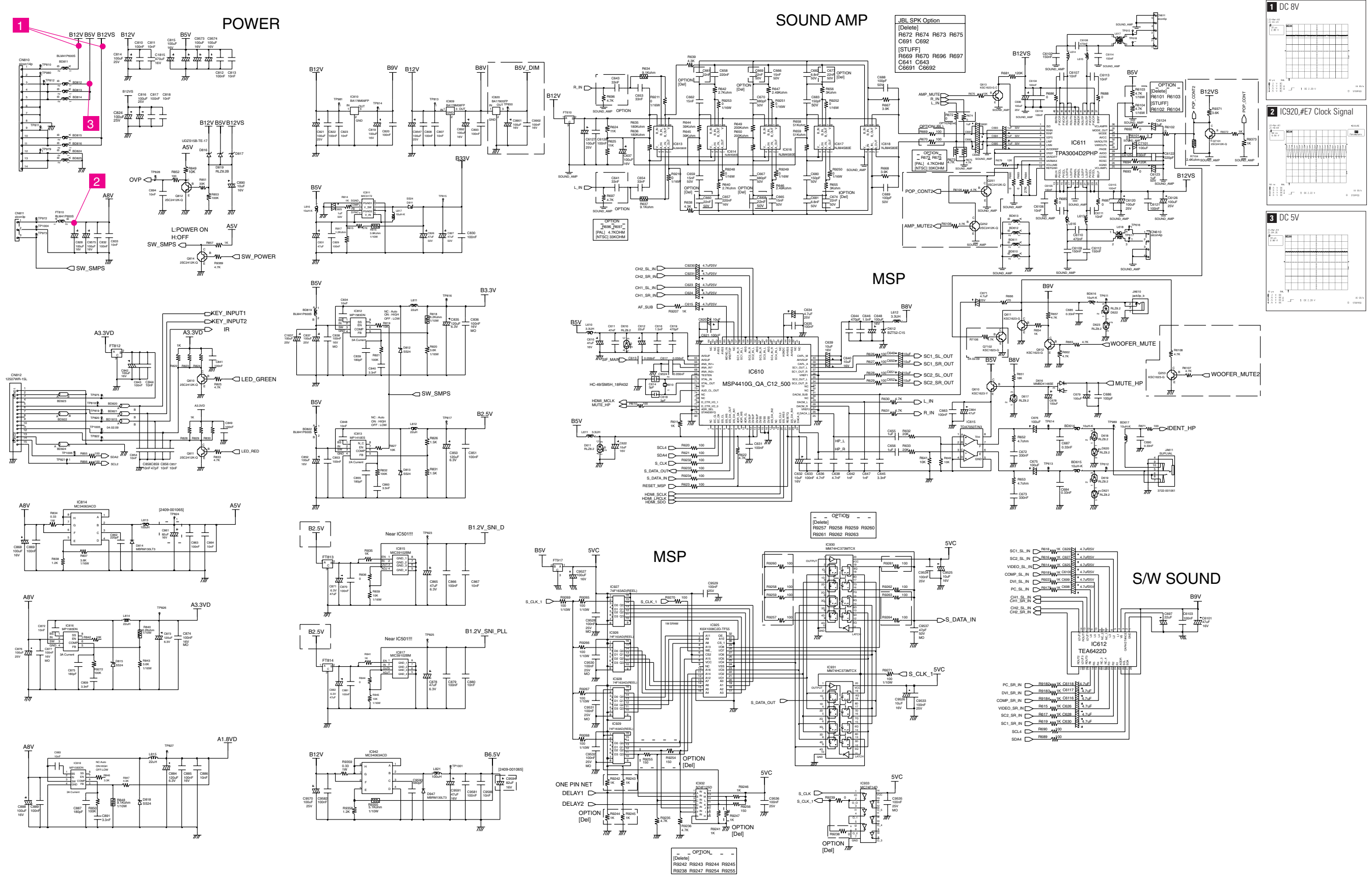
Loc. No.	Description	X	Y
IC917	IC-FLASH MEMORY	40.8	102.0
IC918	IC-CMOS LOGIC	69.6	99.7
IC919	IC-RESET	61.7	102.4
IC920	IC-LCD CONTROLLER	62.5	133.6
IC921	IC-DRAM	135.3	155.6
IC923	IC-DECODER	111.2	137.3
IC924	IC-EEPROM	83.9	154.0
IC925	IC-SRAM	164.4	209.5
IC926	IC-TTL	159.3	218.6
IC927	IC-TTL	160.4	199.7
IC928	IC-TTL	169.8	218.6
IC929	IC-TTL	169.8	227.1
IC930	IC-CMOS LOGIC	170.0	199.7
IC931	IC-CMOS LOGIC	163.6	209.1
IC932	IC-TTL	159.4	227.0
IC933	IC-TTL	150.1	199.6
IC934	IC-POSI.ADJUST REG.	91.1	124.9
IC936	IC-EPROM	145.2	142.9
IC937	IC-ANALOG SWITCH	119.4	68.5
IC940	IC-VOLTAGE REGULATOR	205.7	111.4
IC941	IC-VOLTAGE REGULATOR	222.1	134.9
IC942	IC-DC/DC CONVERTER	18.9	169.6
TRANSISTOR			
Q251	TR-SMALL SIGNAL	215.2	212.7
Q252	TR-SMALL SIGNAL	211.4	212.8
Q253	TR-SMALL SIGNAL	213.5	180.8
Q310	FET-SILICON	18.8	65.5
Q311	FET-SILICON	22.0	66.6
Q410	TR-SMALL SIGNAL	90.9	131.0
Q411	TR-SMALL SIGNAL	92.4	139.1
Q412	TR-SMALL SIGNAL	98.8	135.4
Q413	TR-SMALL SIGNAL	105.6	139.6
Q414	TR-SMALL SIGNAL	103.0	135.4
Q415	TR-SMALL SIGNAL	107.2	135.5
Q510	TR-SMALL SIGNAL	168.3	238.8
Q511	TR-SMALL SIGNAL	164.0	238.8
Q610	TR-SMALL SIGNAL	177.0	212.0
Q611	TR-SMALL SIGNAL	217.3	192.5
Q612	TR-SMALL SIGNAL	207.1	206.2
Q613	TR-SMALL SIGNAL	209.7	229.7
Q712	FET-SILICON	38.9	43.4
Q713	FET-SILICON	44.2	43.4
Q810	TR-SMALL SIGNAL	13.8	88.2
Q811	TR-SMALL SIGNAL	12.8	95.7
Q812	TR-SMALL SIGNAL	173.7	252.0
Q814	TR-SMALL SIGNAL	65.0	152.9
Q909	TR-SMALL SIGNAL	130.8	216.4
Q911	FET-SILICON	69.8	159.3
Q912	FET-SILICON	82.1	159.4
Q913	FET-SILICON	77.8	159.3
Q914	FET-SILICON	73.8	159.5
Q915	TR-SMALL SIGNAL	166.1	65.4
Q916	TR-SMALL SIGNAL	166.1	76.3
Q917	TR-SMALL SIGNAL	121.0	132.6
Q7101	TR-SMALL SIGNAL	229.7	226.1
Q7102	TR-SMALL SIGNAL	217.3	183.8

9 Wiring Diagram



Memo

11-1 POWER SOUND PROCESS Schematic Diagram



IC211
VPC3230D-C5

SUB

VIDEO-S/W

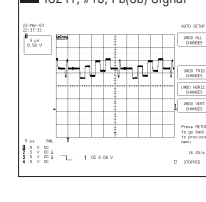
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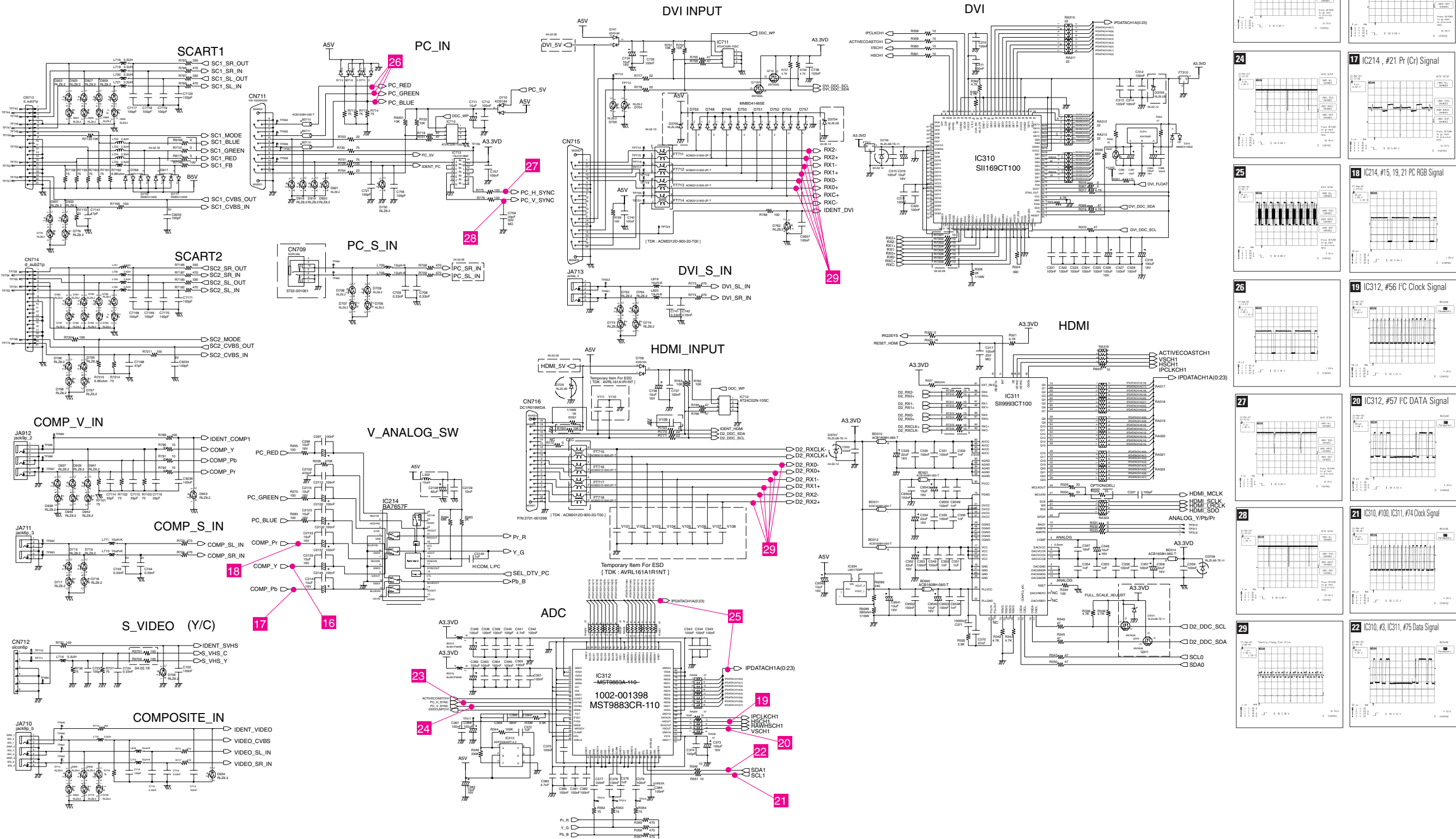
OSCON (2438-001065)

The schematic diagram illustrates the receiver section of the SC1100. It begins with an antenna input connected to a matching network consisting of inductor L301 and capacitor C3030. The signal then passes through a series of components: capacitor C3032, inductor R3035, and capacitor C3036. This is followed by a series of resistors (R3037, R3038, R3039, R3040, R3041, R3042, R3043, R3044, R3045, R3046, R3047, R3048, R3049, R3050, R3051, R3052, R3053, R3054, R3055, R3056, R3057, R3058, R3059, R3060, R3061, R3062, R3063, R3064, R3065, R3066, R3067, R3068, R3069, R3070, R3071, R3072, R3073, R3074, R3075, R3076, R3077, R3078, R3079, R3080, R3081, R3082, R3083, R3084, R3085, R3086, R3087, R3088, R3089, R3090, R3091, R3092, R3093, R3094, R3095, R3096, R3097, R3098, R3099, R3100, R3101, R3102, R3103, R3104, R3105, R3106, R3107, R3108, R3109, R3110, R3111, R3112, R3113, R3114, R3115, R3116, R3117, R3118, R3119, R3120, R3121, R3122, R3123, R3124, R3125, R3126, R3127, R3128, R3129, R3130, R3131, R3132, R3133, R3134, R3135, R3136, R3137, R3138, R3139, R3140, R3141, R3142, R3143, R3144, R3145, R3146, R3147, R3148, R3149, R3150, R3151, R3152, R3153, R3154, R3155, R3156, R3157, R3158, R3159, R3160, R3161, R3162, R3163, R3164, R3165, R3166, R3167, R3168, R3169, R3170, R3171, R3172, R3173, R3174, R3175, R3176, R3177, R3178, R3179, R3180, R3181, R3182, R3183, R3184, R3185, R3186, R3187, R3188, R3189, R3190, R3191, R3192, R3193, R3194, R3195, R3196, R3197, R3198, R3199, R3200, R3201, R3202, R3203, R3204, R3205, R3206, R3207, R3208, R3209, R3210, R3211, R3212, R3213, R3214, R3215, R3216, R3217, R3218, R3219, R3220, R3221, R3222, R3223, R3224, R3225, R3226, R3227, R3228, R3229, R3230, R3231, R3232, R3233, R3234, R3235, R3236, R3237, R3238, R3239, R3240, R3241, R3242, R3243, R3244, R3245, R3246, R3247, R3248, R3249, R3250, R3251, R3252, R3253, R3254, R3255, R3256, R3257, R3258, R3259, R3260, R3261, R3262, R3263, R3264, R3265, R3266, R3267, R3268, R3269, R3270, R3271, R3272, R3273, R3274, R3275, R3276, R3277, R3278, R3279, R3280, R3281, R3282, R3283, R3284, R3285, R3286, R3287, R3288, R3289, R3290, R3291, R3292, R3293, R3294, R3295, R3296, R3297, R3298, R3299, R3300, R3301, R3302, R3303, R3304, R3305, R3306, R3307, R3308, R3309, R3310, R3311, R3312, R3313, R3314, R3315, R3316, R3317, R3318, R3319, R3320, R3321, R3322, R3323, R3324, R3325, R3326, R3327, R3328, R3329, R3330, R3331, R3332, R3333, R3334, R3335, R3336, R3337, R3338, R3339, R3340, R3341, R3342, R3343, R3344, R3345, R3346, R3347, R3348, R3349, R3350, R3351, R3352, R3353, R3354, R3355, R3356, R3357, R3358, R3359, R3360, R3361, R3362, R3363, R3364, R3365, R3366, R3367, R3368, R3369, R3370, R3371, R3372, R3373, R3374, R3375, R3376, R3377, R3378, R3379, R3380, R3381, R3382, R3383, R3384, R3385, R3386, R3387, R3388, R3389, R3390, R3391, R3392, R3393, R3394, R3395, R3396, R3397, R3398, R3399, R3400, R3401, R3402, R3403, R3404, R3405, R3406, R3407, R3408, R3409, R3410, R3411, R3412, R3413, R3414, R3415, R3416, R3417, R3418, R3419, R3420, R3421, R3422, R3423, R3424, R3425, R3426, R3427, R3428, R3429, R3430, R3431, R3432, R3433, R3434, R3435, R3436, R3437, R3438, R3439, R3440, R3441, R3442, R3443, R3444, R3445, R3446, R3447, R3448, R3449, R3450, R3451, R3452, R3453, R3454, R3455, R3456, R3457, R3458, R3459, R3460, R3461, R3462, R3463, R3464, R3465, R3466, R3467, R3468, R3469, R3470, R3471, R3472, R3473, R3474, R3475, R3476, R3477, R3478, R3479, R3480, R3481, R3482, R3483, R3484, R3485, R3486, R3487, R3488, R3489, R3490, R3491, R3492, R3493, R3494, R3495, R3496, R3497, R3498, R3499, R3500, R3501, R3502, R3503, R3504, R3505, R3506, R3507, R3508, R3509, R3510, R3511, R3512, R3513, R3514, R3515, R3516, R3517, R3518, R3519, R3520, R3521, R3522, R3523, R3524, R3525, R3526, R3527, R3528, R3529, R3530, R3531, R3532, R3533, R3534, R3535, R3536, R3537, R3538, R3539, R3540, R3541, R3542, R3543, R3544, R3545, R3546, R3547, R3548, R3549, R3550, R3551, R3552, R3553, R3554, R3555, R3556, R3557, R3558, R3559, R3560, R3561, R3562, R3563, R3564, R3565, R3566, R3567, R3568, R3569, R3570, R3571, R3572, R3573, R3574, R3575, R3576, R3577, R3578, R3579, R3580, R3581, R3582, R3583, R3584, R3585, R3586, R3587, R3588, R3589, R3590, R3591, R3592, R3593, R3594, R3595, R3596, R3597, R3598, R3599, R3600, R3601, R3602, R3603, R3604, R3605, R3606, R3607, R3608, R3609, R3610, R3611, R3612, R3613, R3614, R3615, R3616, R3617, R3618, R3619, R3620, R3621, R3622, R3623, R3624, R3625, R3626, R3627, R3628, R3629, R3630, R3631, R3632, R3633, R3634, R3635, R3636, R3637, R3638, R3639, R3640, R3641, R3642, R3643, R3644, R3645, R3646, R3647, R3648, R3649, R3650, R3651, R3652, R3653, R3654, R3655, R3656, R3657, R3658, R3659, R3660, R3661, R3662, R3663, R3664, R3665, R3666, R3667, R3668, R3669, R3670, R3671, R3672, R3673, R3674, R3675, R3676, R3677, R3678, R3679, R3680, R3681, R3682, R3683, R3684, R3685, R3686, R3687, R3688, R3689, R3690, R3691, R3692, R3693, R3694, R3695, R3696, R3697, R3



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11-3 AV INOUT SIGNAL PROCESS Schematic Diagram

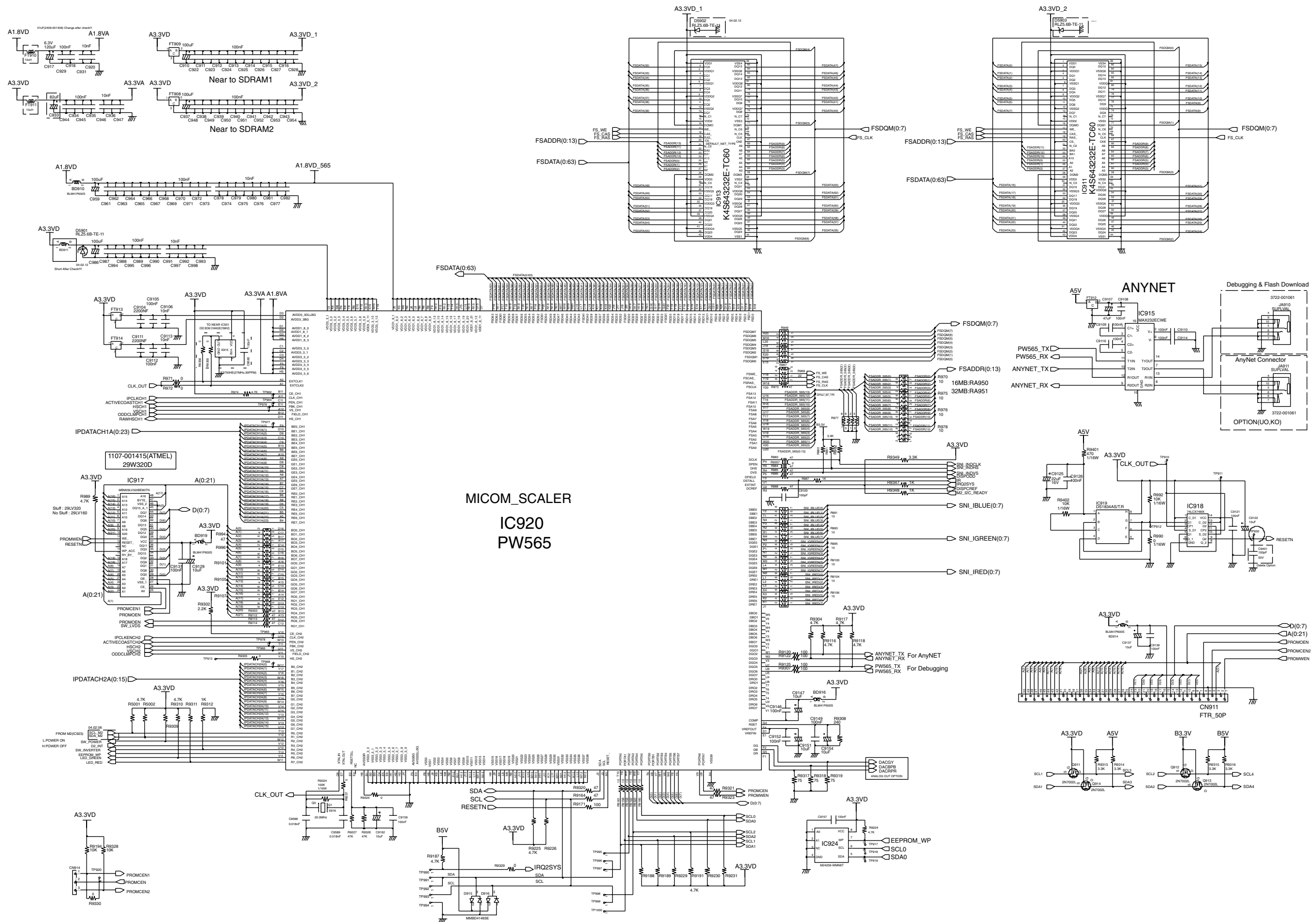


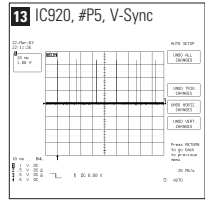
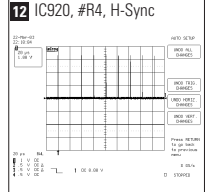
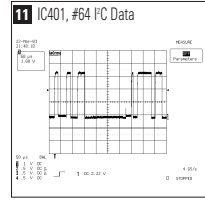
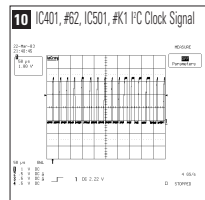
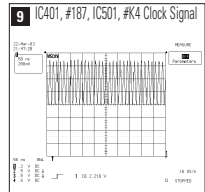
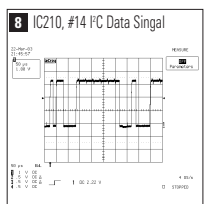
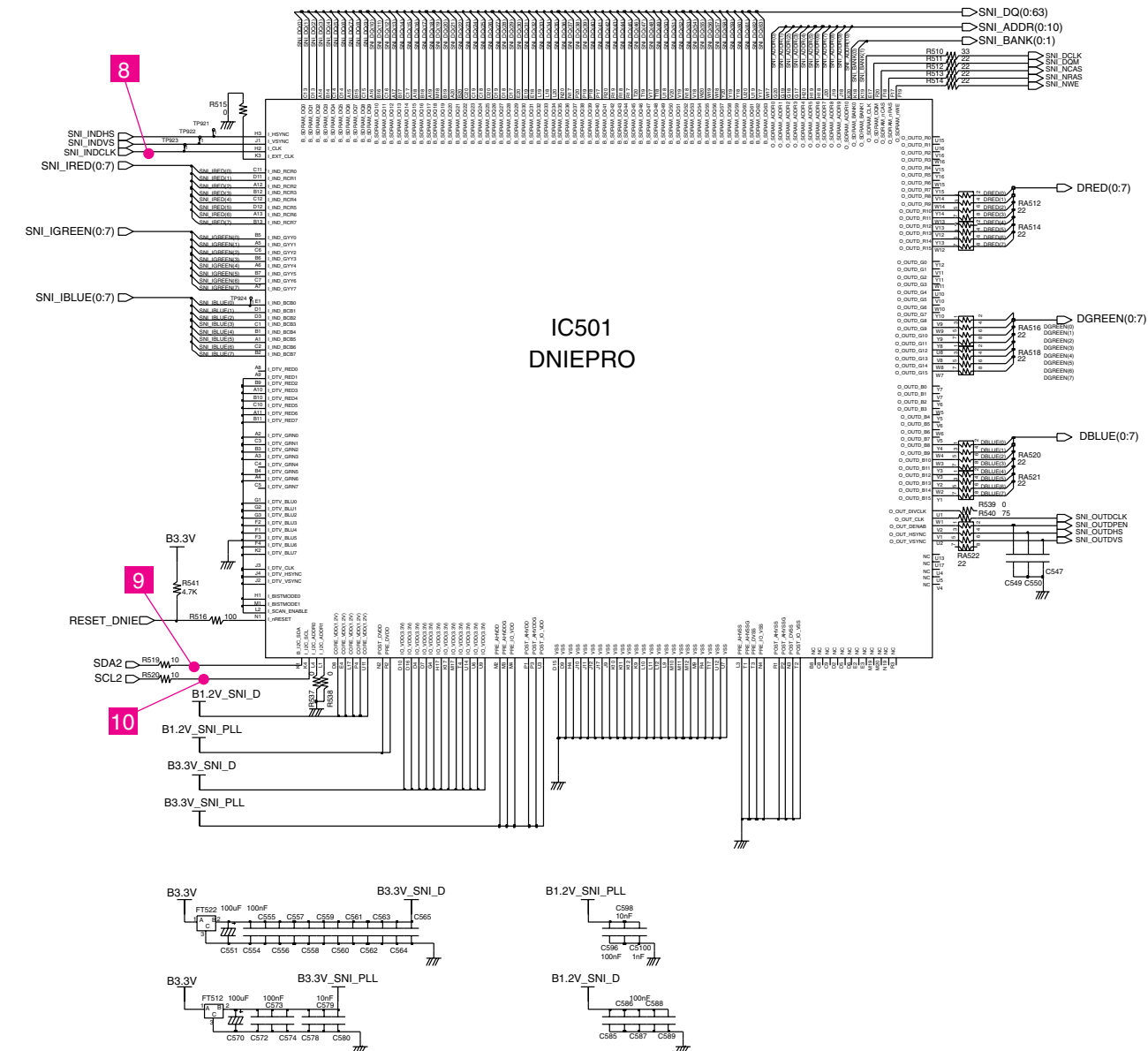
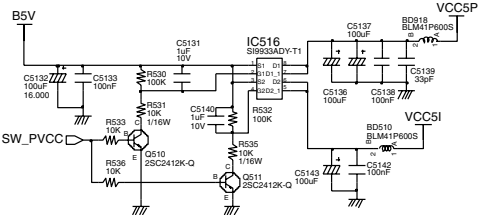
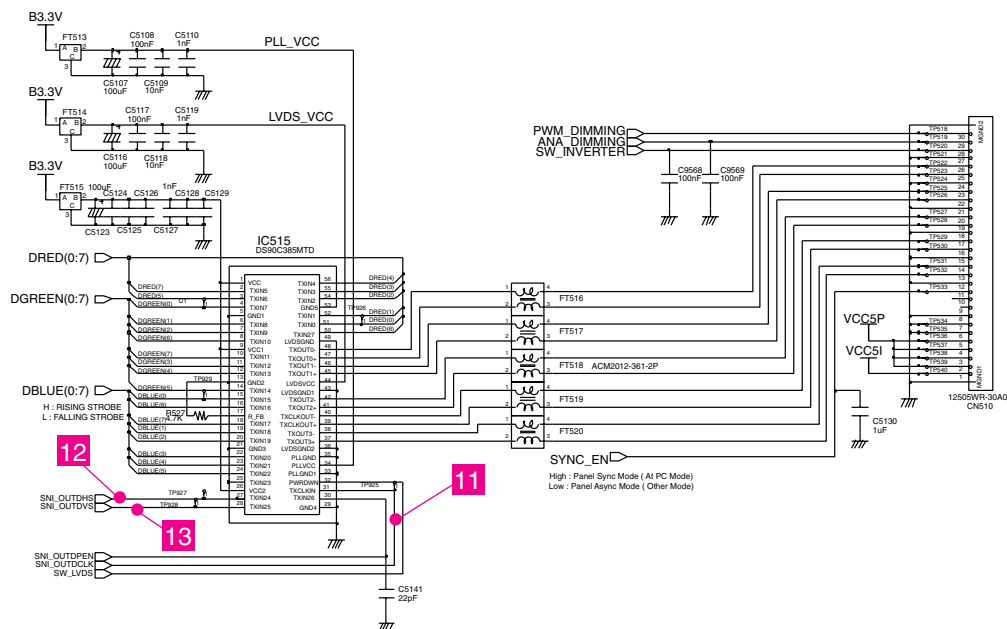
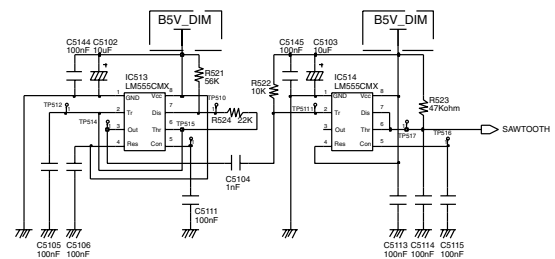
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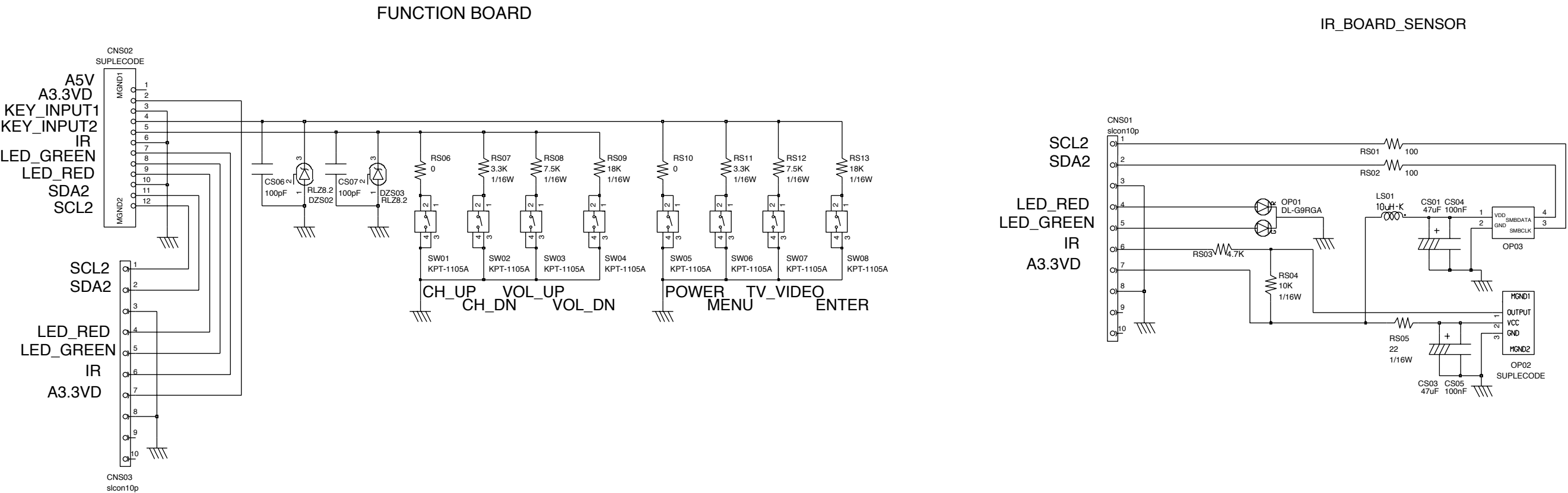
11-5 PW565_SCALER Schematic Diagram





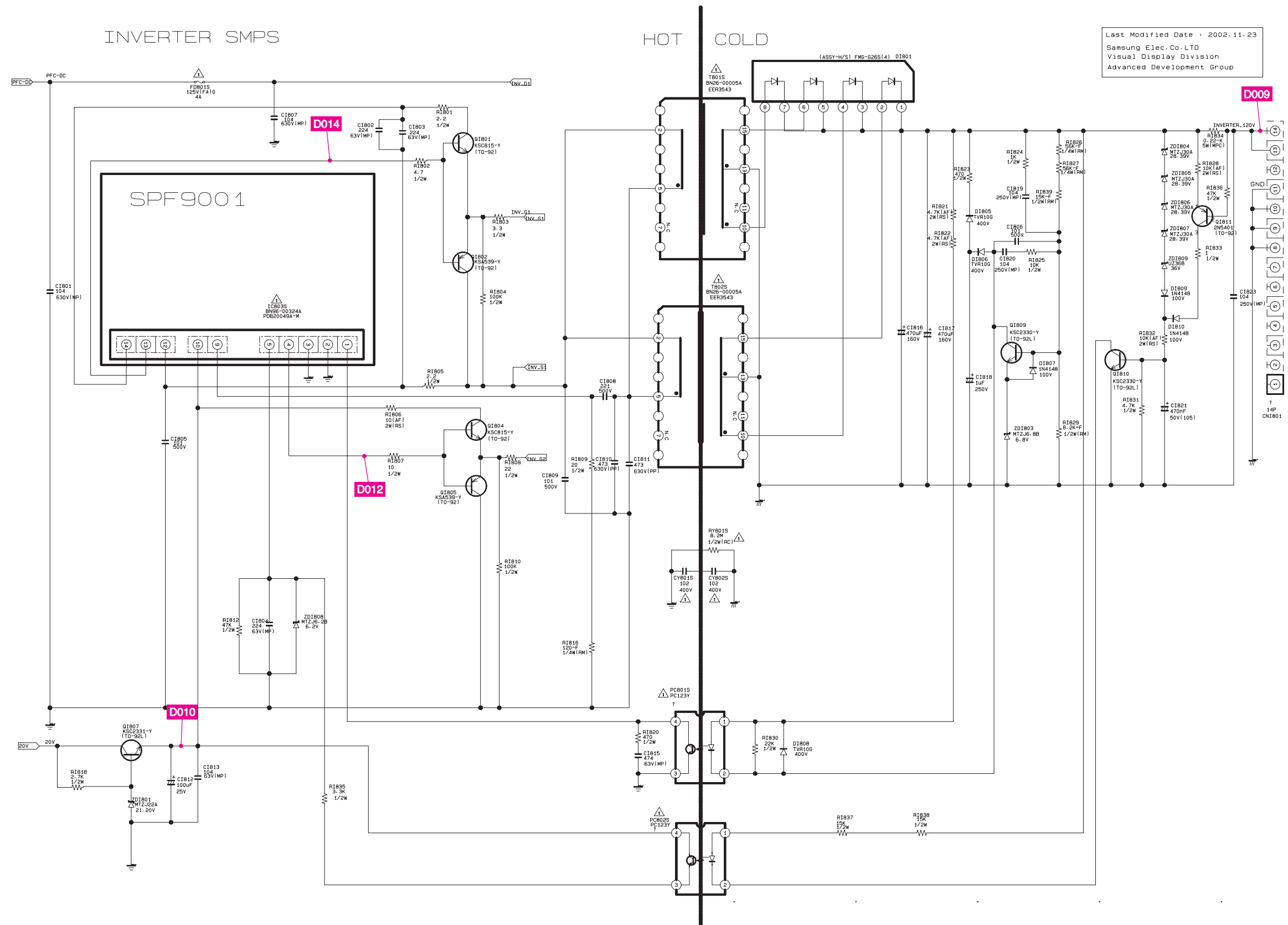
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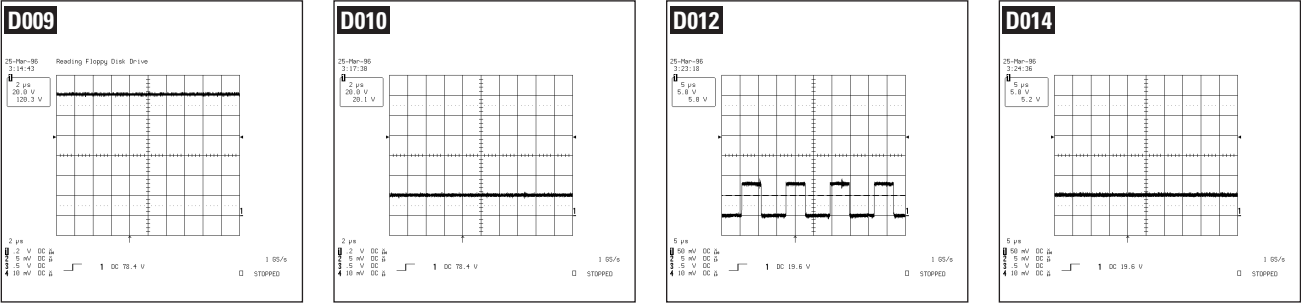
11-7 IR-FUNCTION Schematic Diagram



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11-8 Inverter Block Schematic Diagram





Last Modified Date : 2002.11.23
Samsung Elec.Co.LTD
Visual Display Division
Advanced Development Group

MULTI

HOT COLD

SOUND

PCF-DD

FDB02S 125VIFA16 4A

RM801 80K 1/2W

RM802 80K 1/2W

RM803 80K 1/2W

RM804 80K 1/2W

ZDM801 MTZJ18A 17.06V

QMB01 KSC815-Y (TO-92)

QMB02 21.20V MTZJ22A

QMB03 102 50V(P)

QMB04 472 50V(P)

QMB05 22K 1/2W

QMB06 22K 1/2W

QMB07 33K 1/2W

QMB08 102 50V(P)

QMB09 102 50V(P)

QMB10 102 50V(P)

QMB11 102 50V(P)

QMB12 102 50V(P)

QMB13 102 50V(P)

QMB14 102 50V(P)

QMB15 102 50V(P)

QMB16 102 50V(P)

QMB17 102 50V(P)

QMB18 102 50V(P)

QMB19 102 50V(P)

QMB20 102 50V(P)

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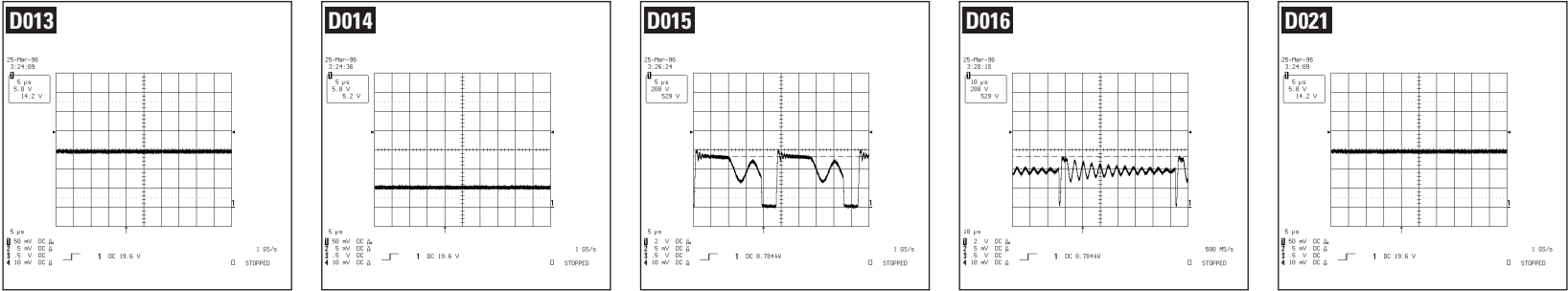
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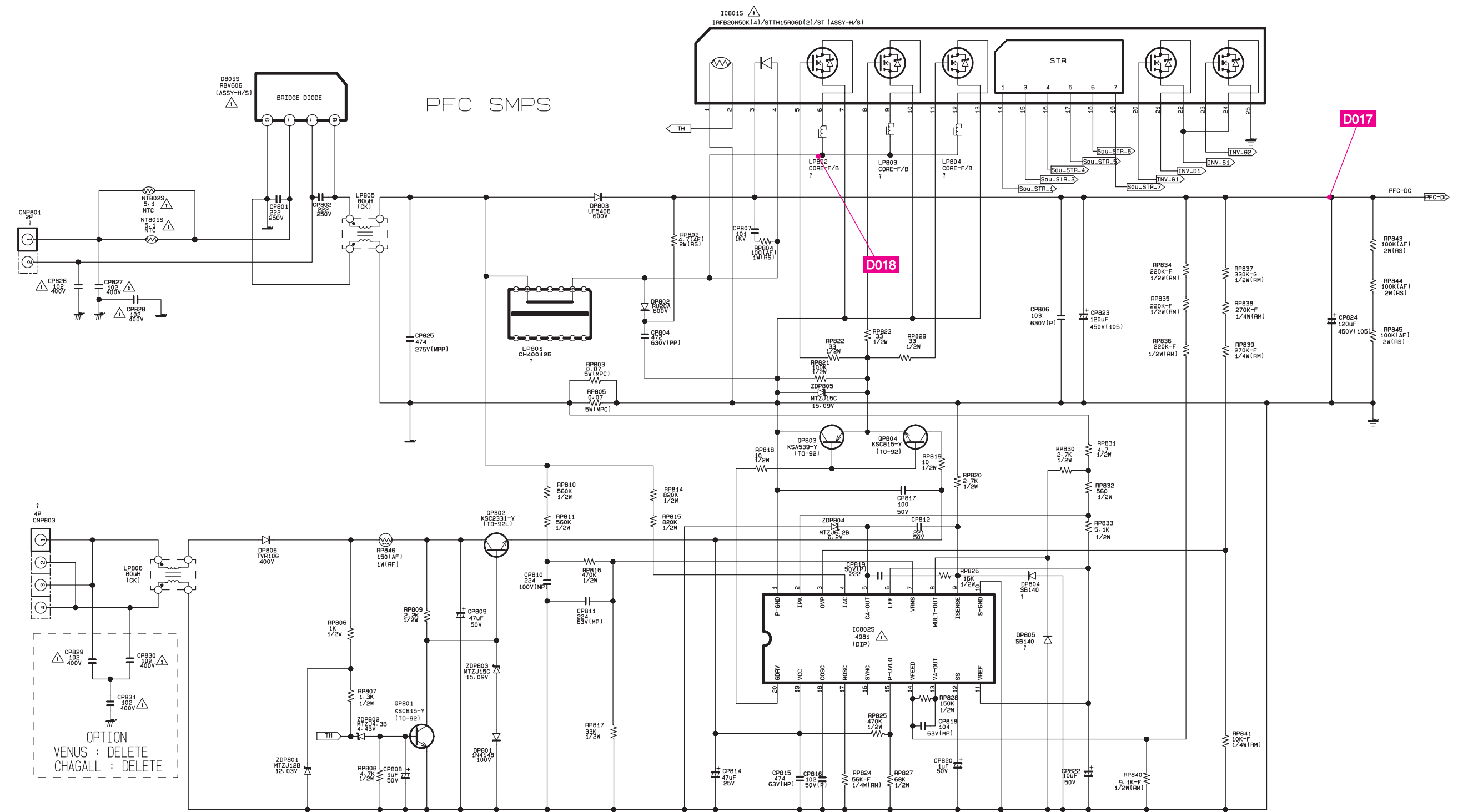
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QMB196 102 50V(P)

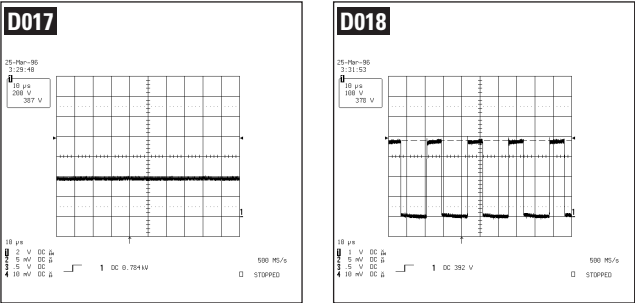


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11-10 PFC Block Schematic Diagram



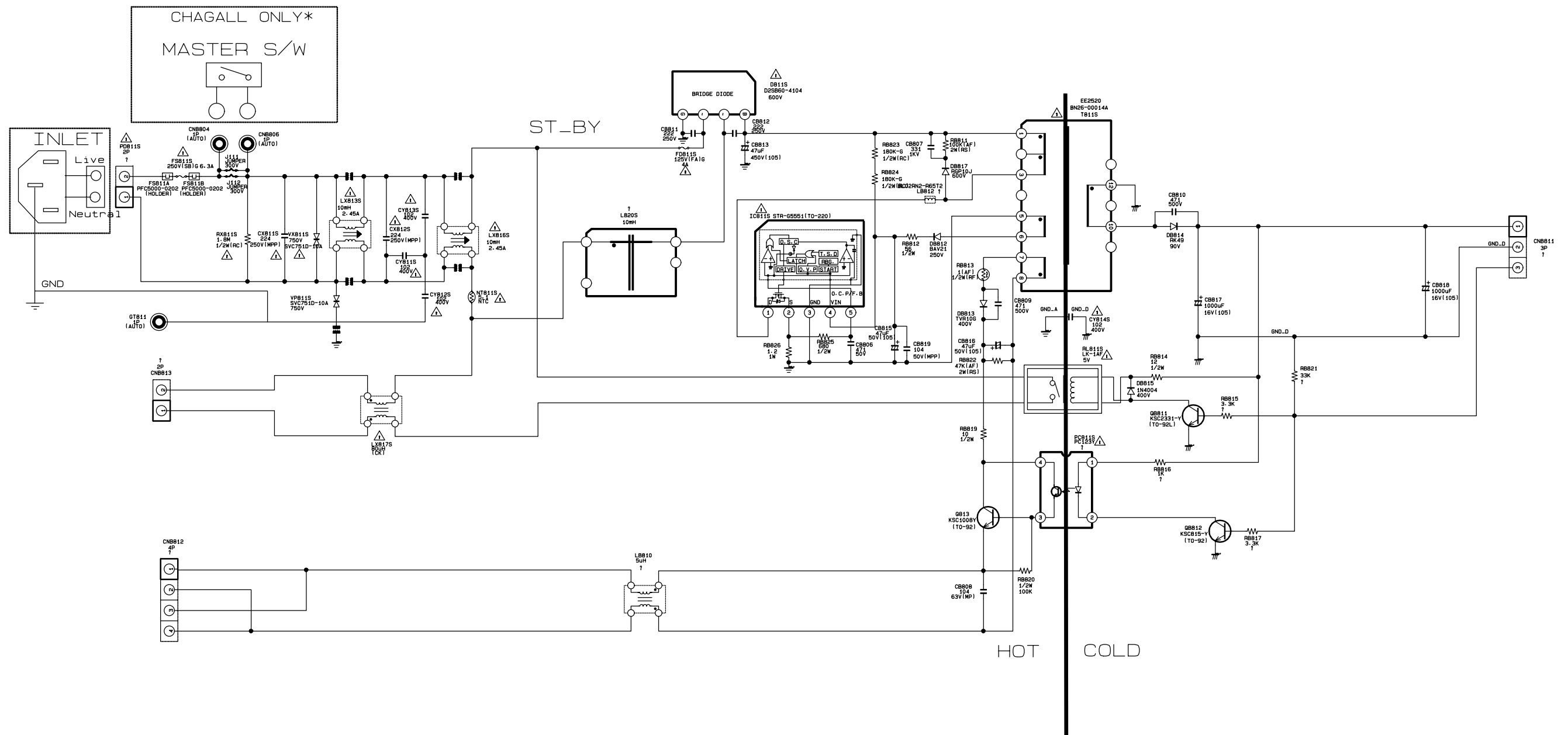
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11-11 SUB POWER Schematic Diagram

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