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SAMSUNG

TFT-LCD TV/MONITOR

NK15A*/NK17A*

SERVICE Manual

TFT-LCD TV/MONITOR



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<http://www.samsungmonitor.com> (SyncMaster Worldwide)

<http://www.samsung-monitor.com> (SyncMaster USA)

<http://www.sec.co.kr/monitor> (Korea)

1 Precautions

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

1-1 Safety Precautions

1-1-1 Warnings

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

1-1-2 Servicing the LCD Monitor

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

1-1-3 Fire and Shock Hazard

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

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

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

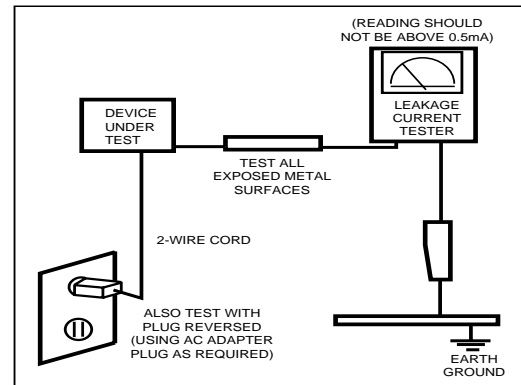


Figure 1-1. Leakage Current Test Circuit

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

1-1-4 Product Safety Notices

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

1-2 Servicing Precautions

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

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

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

1-2-1 General Servicing Precautions

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

1-3 Electrostatically Sensitive Devices (ESD) Precautions

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

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

2 Product Specifications

2-1 Specifications

Item	Description	
	NK15A *	NK17A *
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly white, 15-Inch viewable, 0.261 mm pixel pitch	TFT-LCD panel, RGB vertical stripe, normaly white, 17-Inch viewable, 0.2895 mm pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.2 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 768 Pixels	1280 Pixels 768 Pixels
Input Video Signal	Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	80 MHz
Active Display Horizontal/Vertical	334.08 mm / 200.44 mm	370.560 mm / 222.336 mm
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60 / 50 Hz \pm 3 Hz	
Power Consumption	50 W (Max)	53 W (Max)
Dimensions Unit (W x D x H) Carton (W x D x H)	19.6 x 8.0 x 14.7 Inches (498 x 204.5 x 374 mm) 22.5 x 17.4 x 10.6 Inches (571 x 441 x 269 mm)	21.1 x 8.0 x 15.8 Inches (536 x 204.5 x 402 mm) 24.0 x 18.3 x 10.6 Inches (609 x 465 x 269 mm)
Weight	3.95 Kg (8.7 lbs)	4.8 Kg (10.6 lbs)
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Humidity : 5 % ~ 95 %	
TV System	Tunning	Frequency Synthesize
	System	PAL, SECAM, NTSC 4.4
	Sound	BG, DK, I, L, L'
Antena Input	75 Ω , Coaxial Cable	
Sound Characteristic	– MAX Internal speaker Out : Right => 3W Left => 3W	Right => 5W Left => 5W
	– BASS Control Range : -12 dB~ + 12 dB – TREBLE Control Range : -12 dB~ + 12 dB – Headphone Out: 5mW max (400m Vrms) – Output Frequency : RF => 80 Hz ~ 15 kHz A/V => 80 Hz ~ 15 kHz	

2-2 Pin Assignments

2-2-1 D-SUB

Pin	Separate
1	Red
2	Green
3	Blue
4	GND
5	GND (DDC Return)
6	GND-Red
7	GND-Green
8	GND-Blue
9	No Connection
10	GND-Sync./Self Test
11	GND
12	DDC Data
13	H-Sync.
14	V-Sync.
15	DDC Clock

2-2-2 SCART1, SCART2

Pin No	Items	Scart1	Scart2
1	Audio Out (R;500mV/1K Ω)	○	○
2	Audio IN (R;500mV/10K Ω)	○	○
3	Audio Out (L;500mV/1K Ω)	○	○
4	Audio Common GND	○	○
5	Blue GND	○	○
6	Audio IN (L;500mV/10K)	○	○
7	Blue IN (700mV/75 Ω)	○	
8	Function S/W (0~2V/9, 5V~12V)	○	○
9	Green GND	○	○
10	No Connection	○	
11	Green IN (700mV/75 Ω)	○	
12	No connection	○	
13	Red GND	○	○
14	F/B GND	○	○
15	Red IN (700mV/75 Ω)	○	
16	RGB F/B (0~0, 4V/1~3V)	○	
17	Video Output GND	○	○
18	Video Input GND	○	○
19	CVBS Out (1V/75 Ω)	○	○
20	CVBS IN (1V/75 Ω)	○	○
21	Common GND	○	○

2-2-3 S-Video

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

2-2-4 A/V

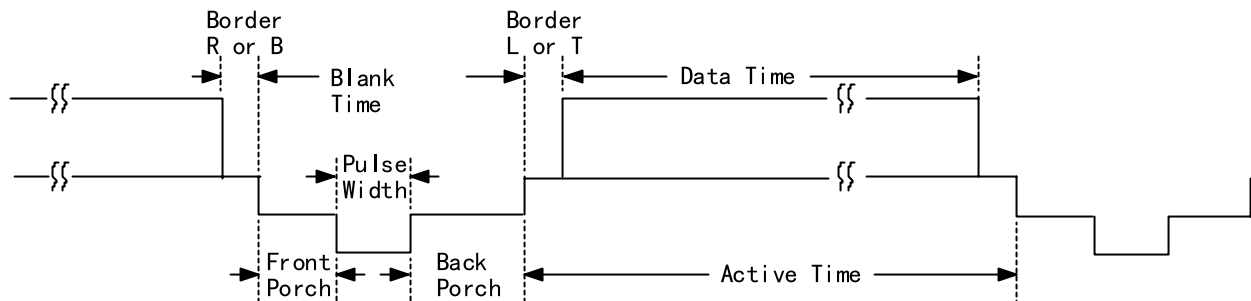
RCA Yellow	CVBS
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

2-3 Timing Chart

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

2-3-1 LCD Panel Mode : 1 mode

Timing No.	
Originator	
Mode Name	1280/60Hz
Resolution (HxV)	1280x768
HORIZONTAL	
Frequency	47.700kHz
Total time	20.964μs
Active time	15.973μs
Blank time	4.992μs
Border (L / R)	0.000μs
Data time	15.964μs
Front porch	0.799μs
Sync. width	1.697μs
Back porch	2.496μs
Sync. polarity	Negative
VERTICAL	
Frequency	60Hz
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 Supported Modes (1)

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

2-3-2 Supported Modes (2)

Timing No. Originator Mode Name Resolution (HxV)	13 VESA 800/60Hz 800x600	14 VESA 800/72Hz 800x600	18 VESA 800/75Hz 800x600	33 MAC 832/75Hz 832x624	15 VESA 1024/60Hz 1024x768
HORIZONTAL					
Frequency	37.879kHz	48.077kHz	46.875kHz	49.726kHz	48.363kHz
Total time	26.400μs	20.800μs	21.333μs	20.110μs	20.677μs
Active time	20.000μs	16.000μs	16.162μs	14.524μs	15.754μs
Blank time	6.400μs	4.800μs	5.171μs	5.171μs	4.923μs
Border (L / R)	0.000μs	0.000μs	0.000μs	0.000μs	0.000μs
Data time	20.000μs	16.000μs	16.162μs	14.524μs	15.754μs
Front porch	1.000μs	1.120μs	0.323μs	0.559μs	0.369μs
Sync. width	3.200μs	2.400μs	1.616μs	1.117μs	2.092μs
Back porch	2.200μs	1.280μs	3.232μs	3.910μs	2.462μs
Sync. polarity	Positive	Positive	Positive	Positive	Negative
VERTICAL					
Frequency	60.317Hz	72.188Hz	75.000Hz	74.551Hz	60.004Hz
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	15.840ms	12.480ms	12.800ms	12.549ms	15.880ms
Front porch	0.026ms	0.770ms	0.021ms	0.020ms	0.062ms
Sync. width	0.106ms	0.125ms	0.064ms	0.060ms	0.124ms
Back porch	0.607ms	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

2-3-2 Supported Modes (3)

Timing No.	16	19
Originator	VESA	VESA
Mode Name	1024/70Hz	1024/75Hz
Resolution (HxV)	1024x768	1024x768
HORIZONTAL		
Frequency	56.476kHz	60.023kHz
Total time	17.707μs	16.660μs
Active time	13.653μs	13.003μs
Blank time	4.053μs	3.777μs
Border (L / R)	0.000μs	0.000μs
Data time	13.653μs	13.003μs
Front porch	0.320μs	0.323μs
Sync. width	1.813μs	1.219μs
Back porch	1.920μs	2.235μs
Sync. polarity	Negative	Positive
VERTICAL		
Frequency	70.069Hz	75.029Hz
Total time	14.272ms	13.328ms
Active time	13.599ms	12.795ms
Blank time	0.672ms	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

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the NK15A*/NK17A* monitor.

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

3-1 Disassembly

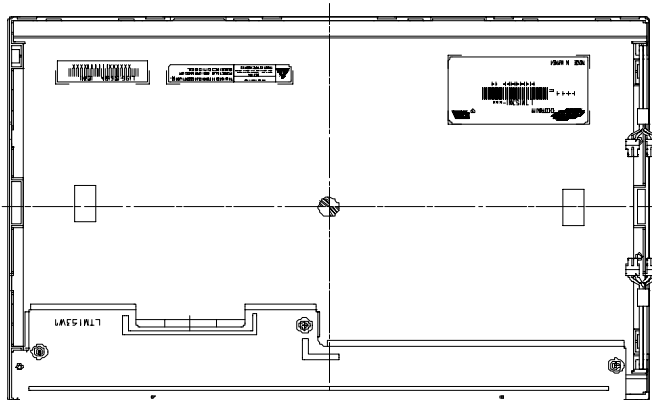
Cautions:1. Disconnect the monitor from the power source before disassembly.

2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

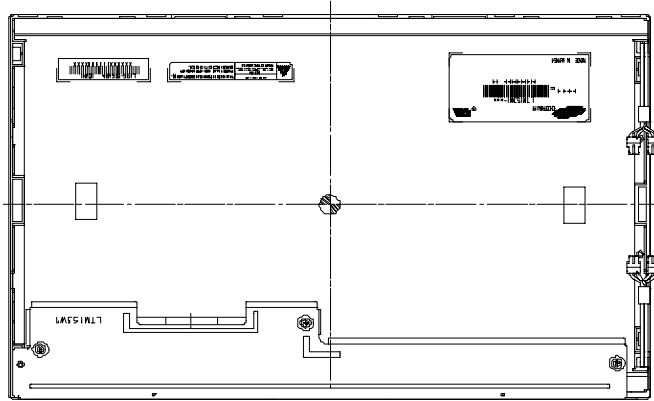
3-1 General Alignment Instruction

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

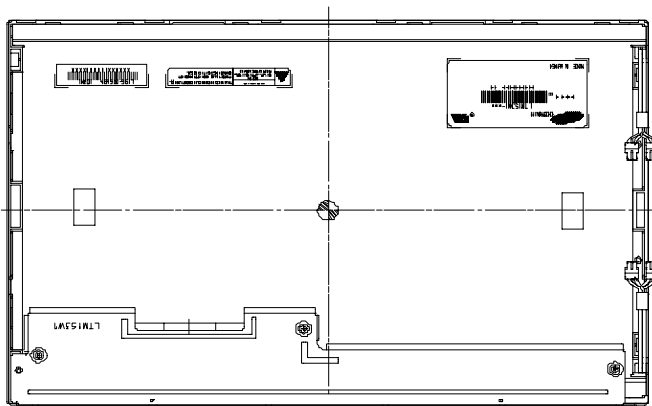
3-2 Replacement Order of Lamp Assemblies



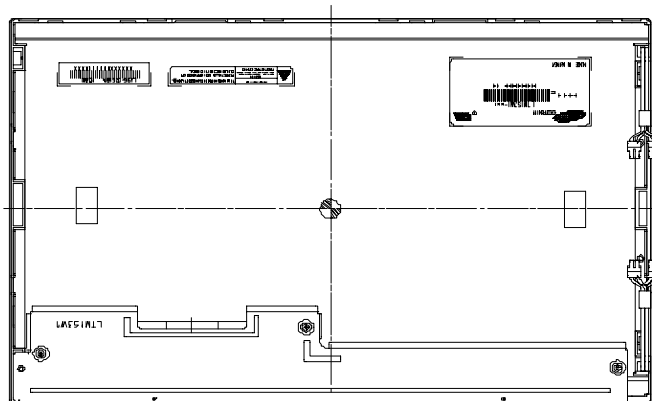
1. After confirm there is nothing on the desk
Turn the LCD module over and put it on a flat desk set to the ground.



2. Push down the stopper and slide the lamp unit.



3. Please take out the lamp units from the LCD module.



4. Please fix the new lamp units on the LCD module :
opposite process 2 and 3

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

3-3 Reassembly

Reassembly procedures are in the reverse order of Disassembly procedures.

4 Alignments and Adjustments

4-1 General Alignment Instruction

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

4-2 Factory Mode Adjustments

4-2-1 Entering Factory Mode

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

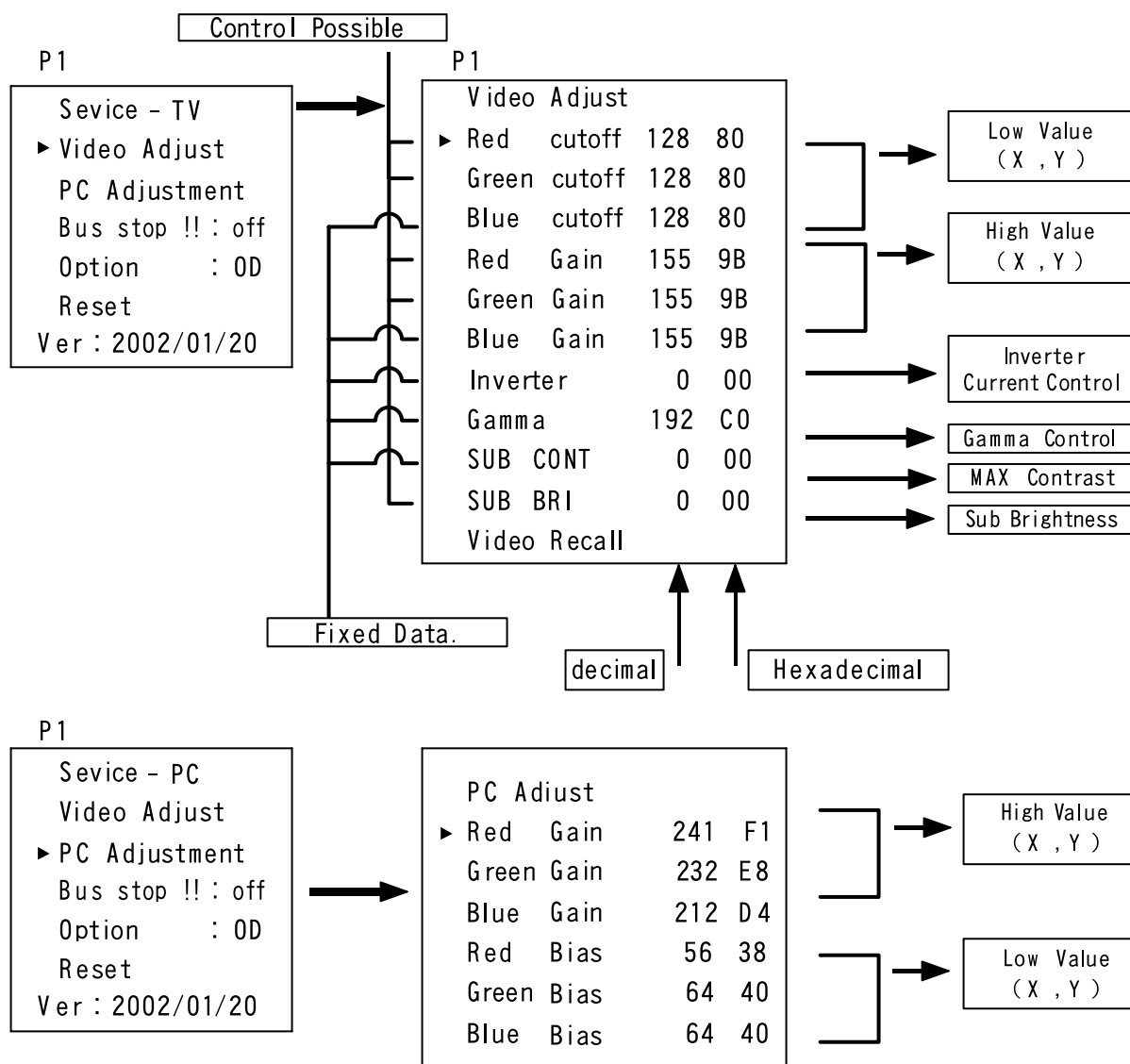
- If you do not have Factory remote - control

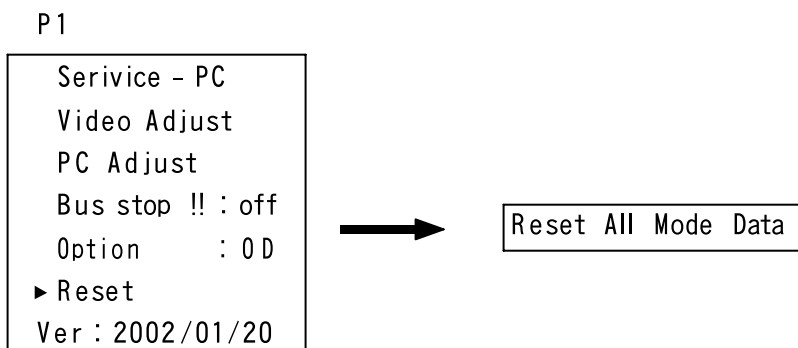
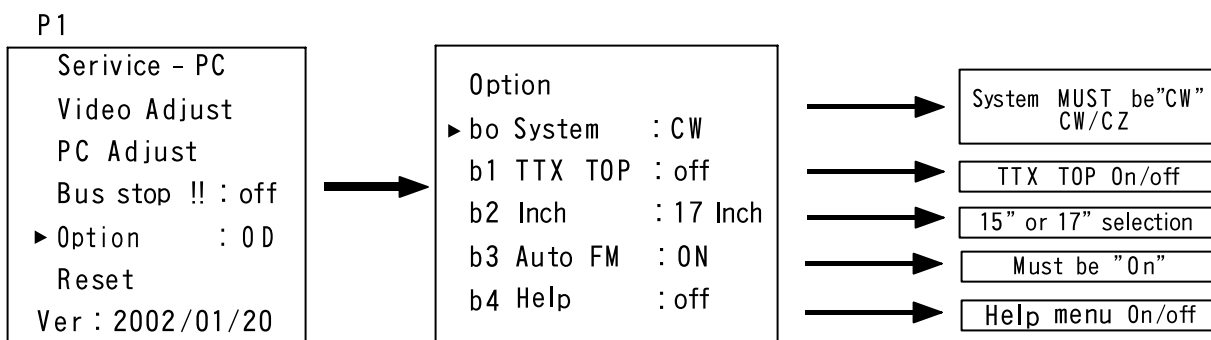
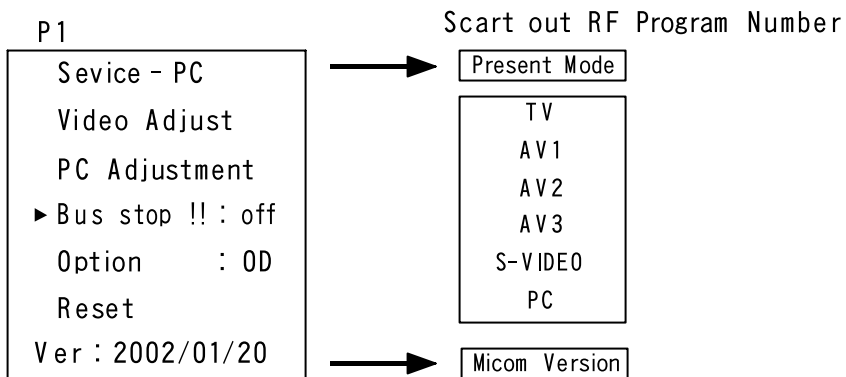


- If you have Factory remote - control



4-2-2 Factory Mode Tree

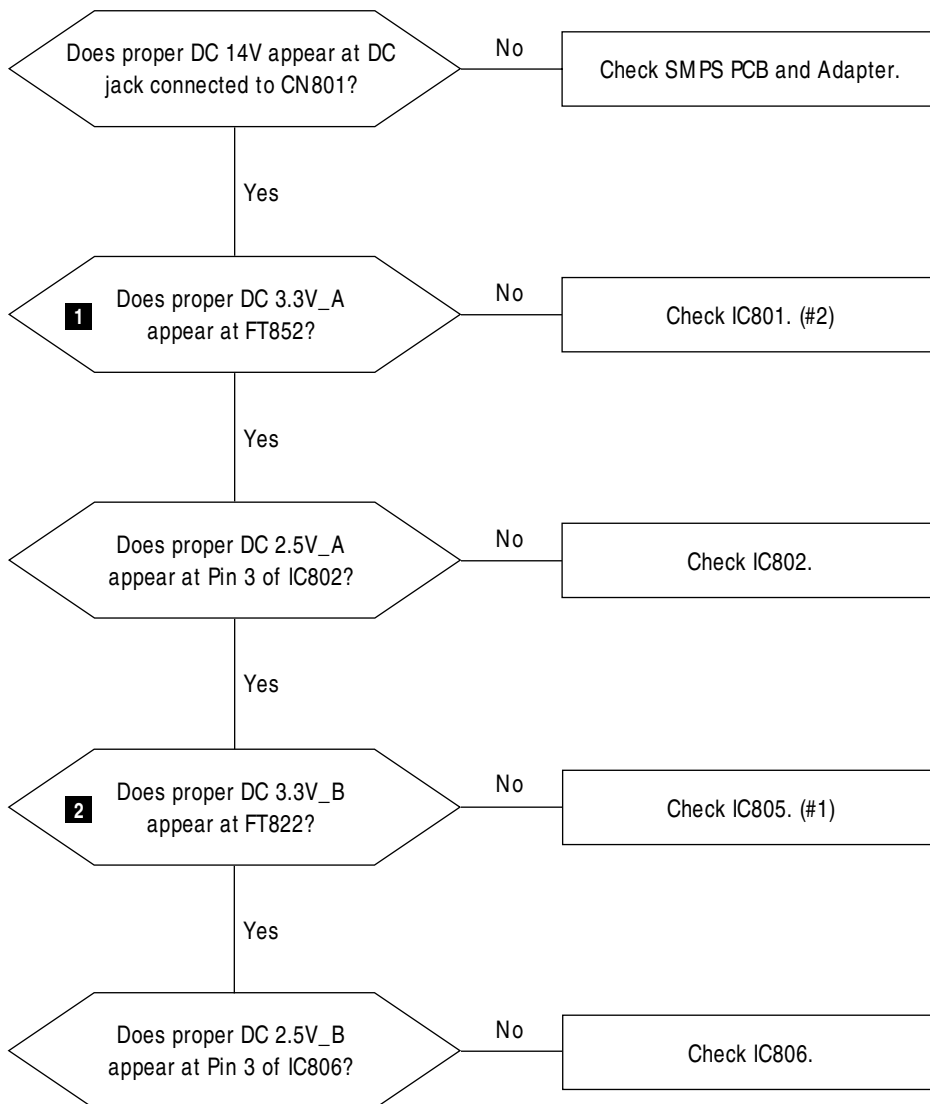




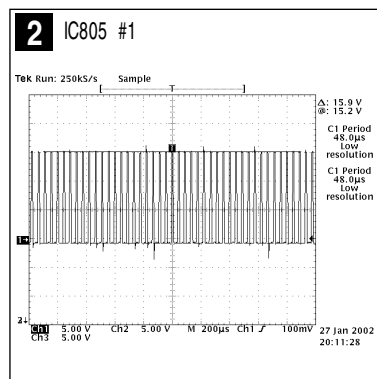
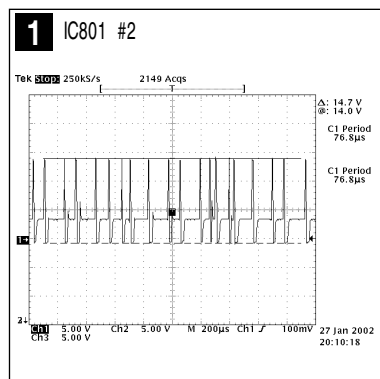
Memo

5 Troubleshooting

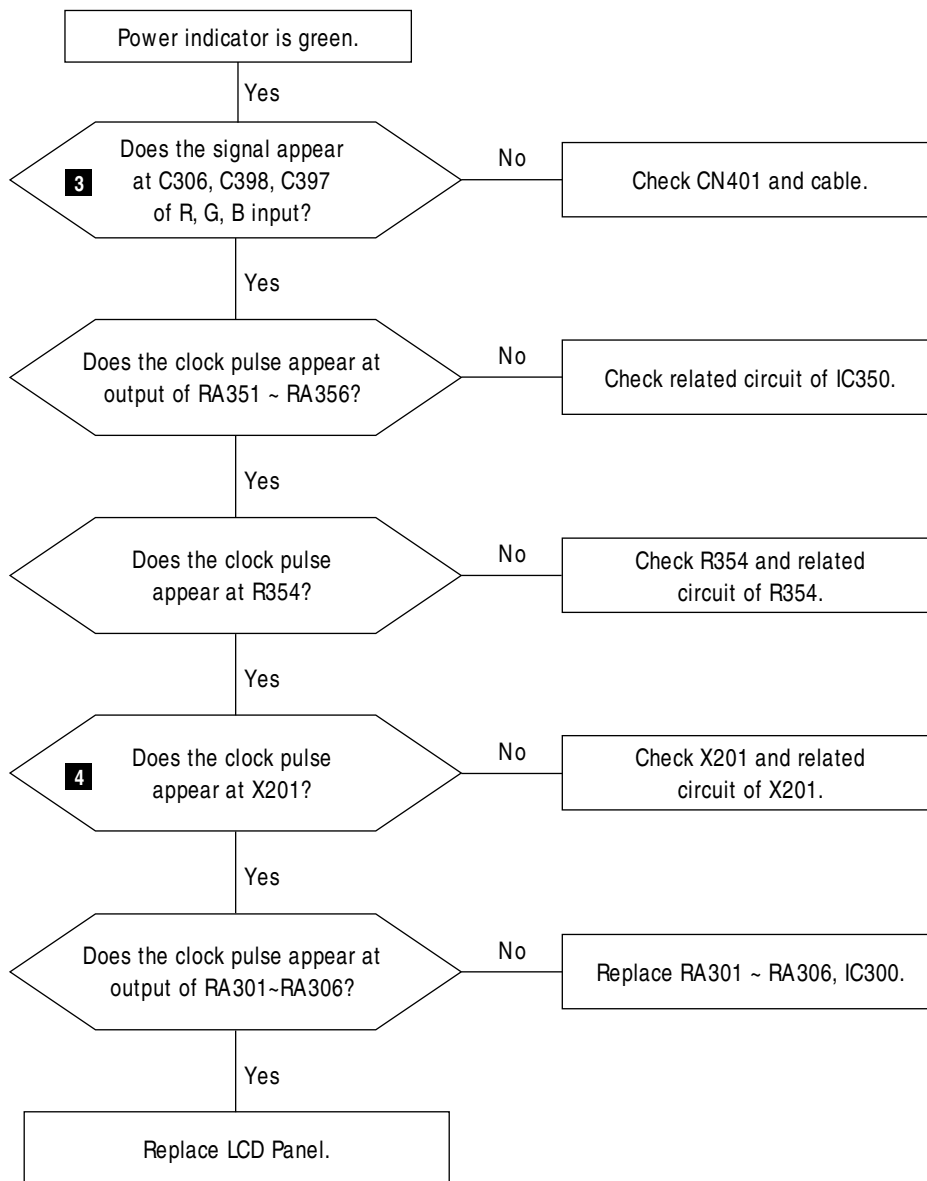
5-1 No Power



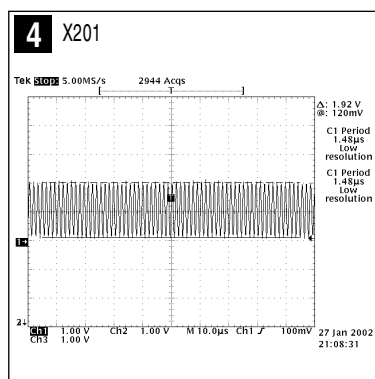
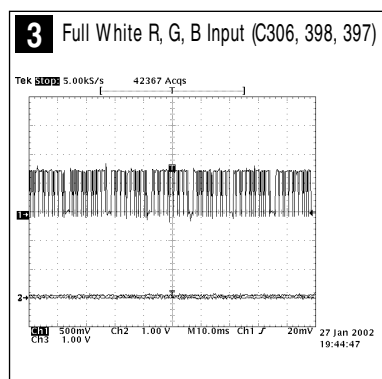
WAVEFORMS



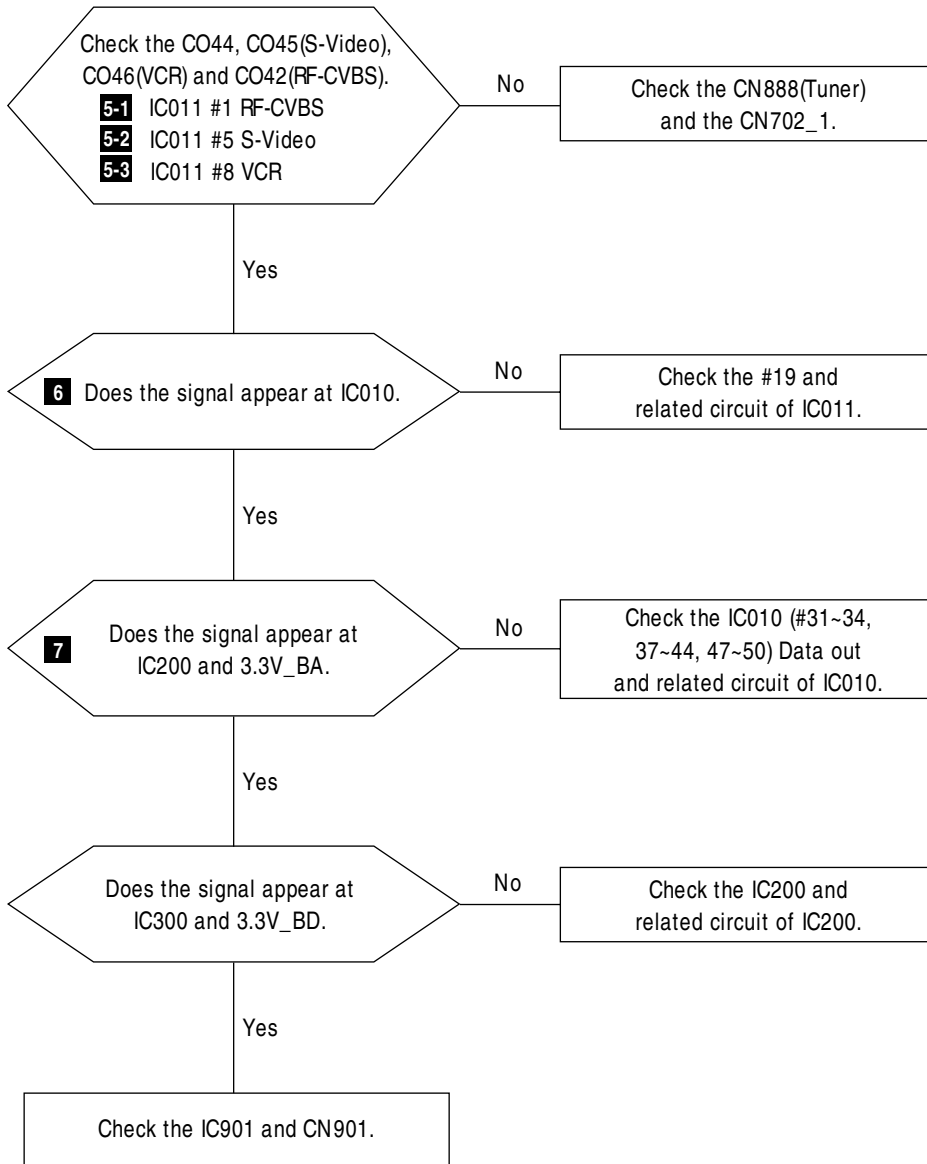
5-2 No Video (PC Signal)



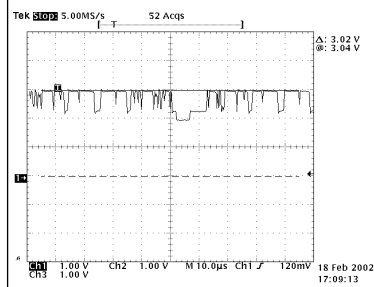
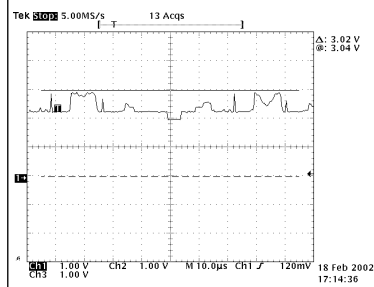
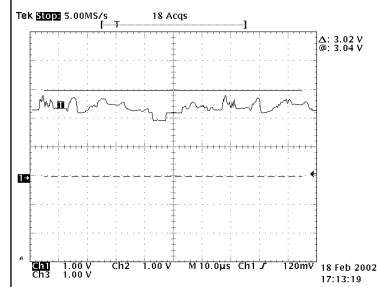
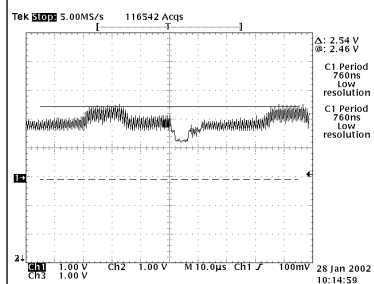
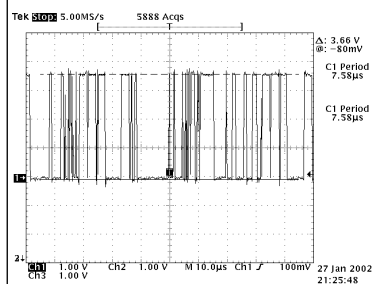
WAVEFORMS

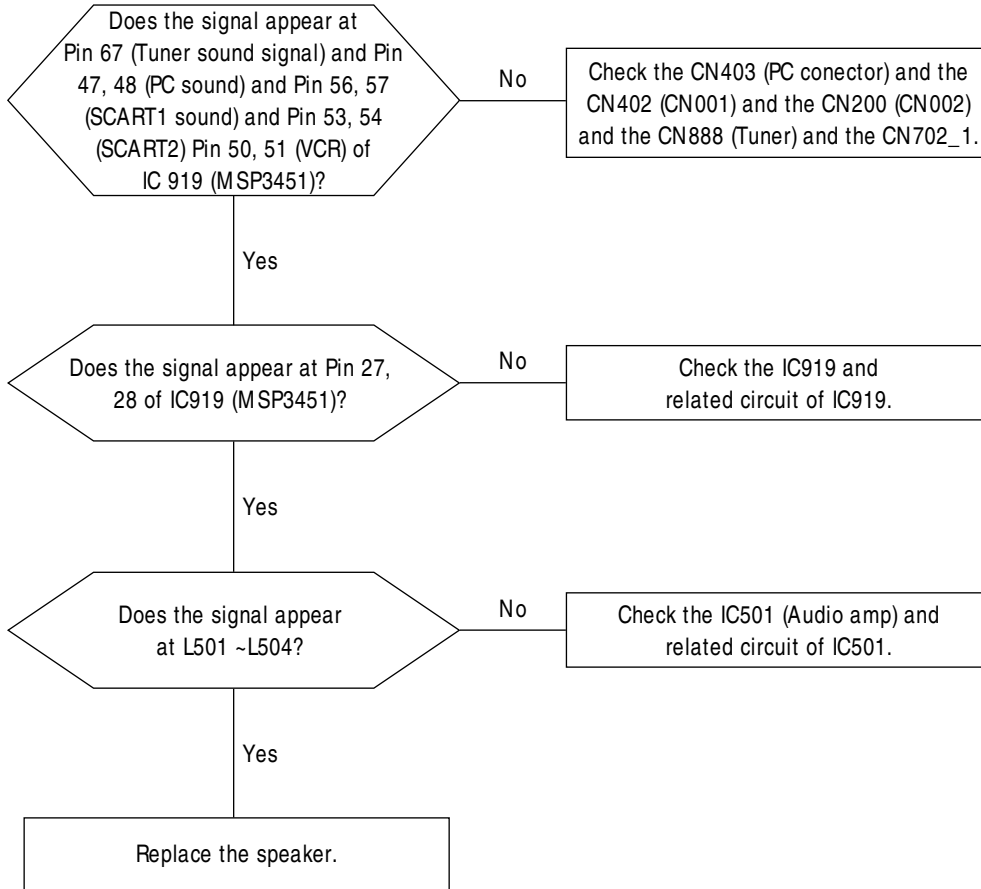


5-3 No Picture (TV, Video, S-Video, SCART)



WAVEFORMS

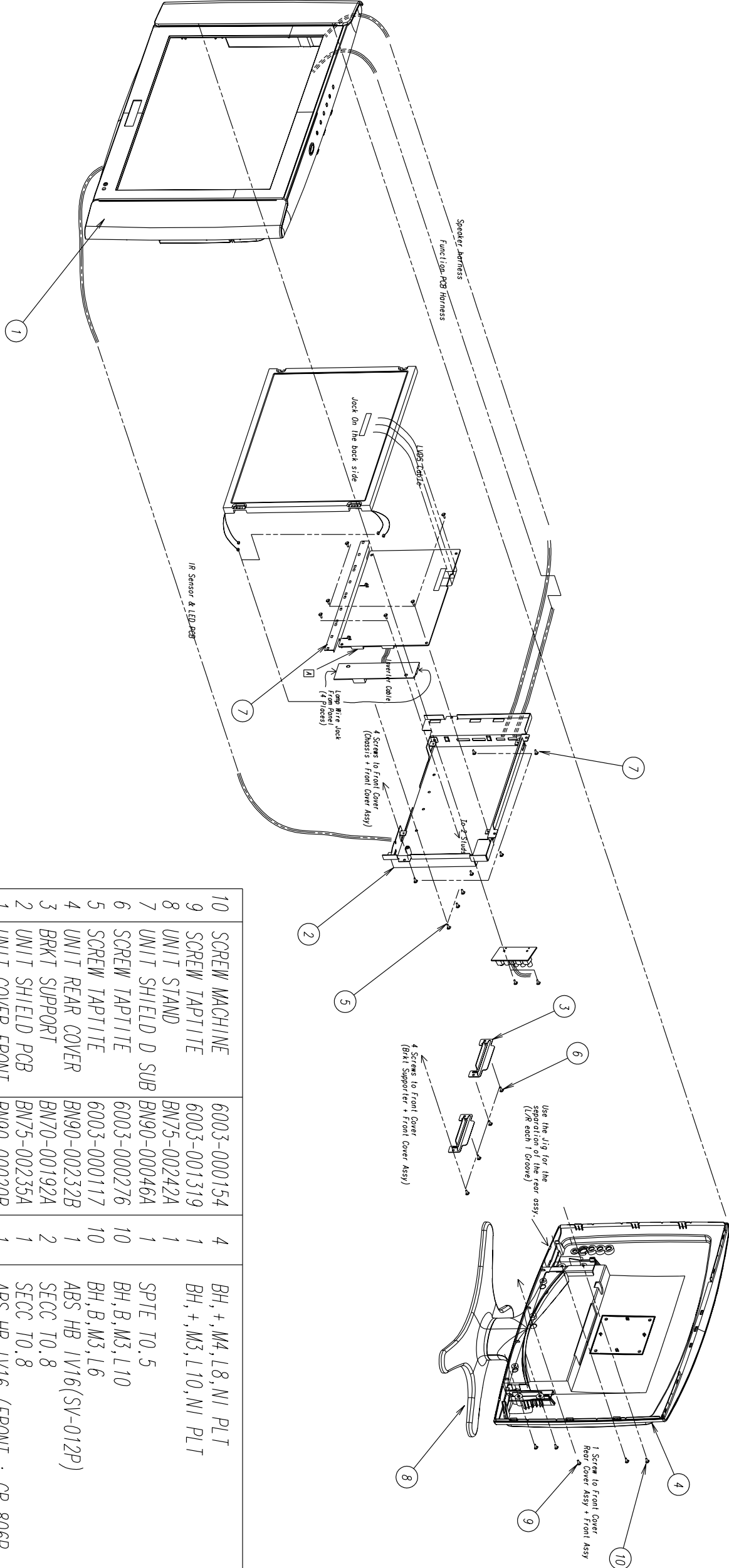
5-1 IC011 #1 RF-CVBS**5-2** IC011 #5 S-Video**5-3** IC011 #8 VCR**6** IC011 #19**7** IC010 Data Out

5-4 No Sound

Memo

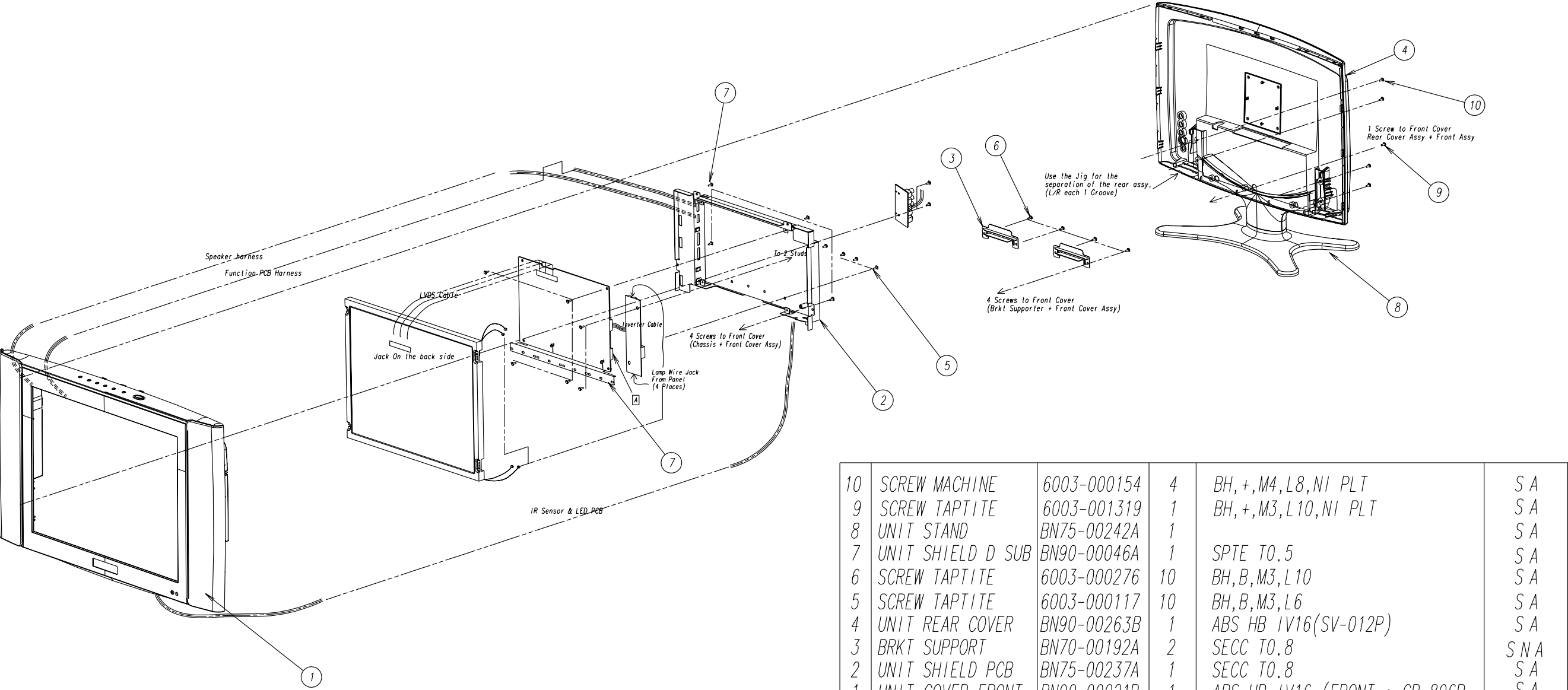
6 Exploded View and Parts List

6-1 NK15A *



No	Part Name	Code No	Q'TY	Specification	Remark
10	SCREW MACHINE	6003-000154	4	BH, +, M4, L8, NI PLT	SA
9	SCREW TAPITTE	6003-001319	1	BH, +, M3, L10, NI PLT	SA
8	UNIT STAND	BN75-00242A	1		SA
7	UNIT SHIELD D SUB	BN90-00046A	1	SPT E T0.5	SA
6	SCREW TAPITTE	6003-000276	10	BH, B, M3, L10	SA
5	SCREW TAPITTE	6003-000117	10	BH, B, M3, L6	SA
4	UNIT REAR COVER	BN90-00232B	1	ABS HB 1V16(SV-012P)	SA
3	BRKT SUPPORT	BN70-00192A	2	SECC T0.8	SA
2	UNIT SHIELD PCB	BN75-00235A	1	SECC T0.8	SNA
1	UNIT COVER FRONT	BN90-00020B	1	ABS HB 1V16 (FRONT : GR-806P, GRILL : SV-012P)	SA

6-2 NK17A *



10	SCREW MACHINE	6003-000154	4	BH,+,M4,L8,NI PLT	S A
9	SCREW TAPTITE	6003-001319	1	BH,+,M3,L10,NI PLT	S A
8	UNIT STAND	BN75-00242A	1		S A
7	UNIT SHIELD D SUB	BN90-00046A	1	SPT E T0.5	S A
6	SCREW TAPTITE	6003-000276	10	BH,B,M3,L10	S A
5	SCREW TAPTITE	6003-000117	10	BH,B,M3,L6	S A
4	UNIT REAR COVER	BN90-00263B	1	ABS HB IV16(SV-012P)	S A
3	BRKT SUPPORT	BN70-00192A	2	SECC T0.8	S N A
2	UNIT SHIELD PCB	BN75-00237A	1	SECC T0.8	S A
1	UNIT COVER FRONT	BN90-00021B	1	ABS HB IV16 (FRONT : GR-806P, GRILL : SV-012P)	S A
No	Part Name	Code No	Q'TY	Specification	Remark

Item No	Design LOC	품 명	Spec	SERVICE
LWI7NI3VW/XEC				
SZ- LWI7NI3VW/XEC	-	1	SEC, WI- L01	-
BN90- 00217A	-	ASSY STAND	NK17NS	N
BN75- 00242A	CIS	UNIT- STAND	EC5 15AS/NS, -, ABS, -, SV- 012P, -, SPRAY, -	Y
6003- 000009	CIS	SCREW TAP TITE	BH +, B, M4, L16, ZPC(YEL), SVRCH18	N
6003- 001010	CIS	SCREW TAP TITE	FH +, B, M8, L6, ZPC(YEL), SVRCH18A	Y
6003- 001315	CIS	SCREW TAP TITE	BH +, B, M4, L20, ZPC(YEL), SVRCH18A	N
BH73- 60339A	CIS	RUBBER- LEG	SLC1400, EVA, GRAY, 65HB, DIA13*H2	N
BN61- 00159A	CIS	FRAME- STAND BASE	EC5/NIKE, EGI, T1. 2	N
BN61- 00184A	CIS	STAND- BASE	ES15AS, ABS PC, GR40, SV- 012P	N
BN72- 00254A	CIS	STAND- COVER REAR	EC5 15, ABS, HB, IV16, SPRAY	N
BN72- 00257A	CIS	STAND FRONT	EC5 15, ABS, HB, 16, SPRAY	N
BN75- 00211A	CIS	UNIT- HINGE	EC515, -, SECC T2. 0, -, -, -, -, -	N
BN90- 00247G	-	ASSY COVER REAR	NK17AS	N
BN90- 00263B	CIS	ASSY REAR	NK17AS(PAL), ABS HB, SV- 012P, SPRAY	Y
BN63- 00102A	CIS	COVER- REAR	NIKE 17", ABS, -, -, -, HB, -, IV16, NONE, 1. 5	N
BN70- 00176A	CIS	BRACKET VESA	RB15AS, SECC, 1	N
BN90- 00303J	-	ASSY COVER FRONT	NK17AS	N
6003- 001319	C/F+C/R	SCREW TAP TITE	BH +, B, M8, L10, NI PLT, SVRCH18A, -	N
BN90- 00021B	CIS	ASSY COVER FRONT	NK17AS(PAL), -, ABS, HB, -, BL- 903P, -, -, SPRAY	Y
6003- 000259	CIS	SCREW TAP TITE	BH +, B, M8, L8, ZPC(YEL), SVRCH18A	N
6003- 000276	CIS	SCREW TAP TITE	BH +, B, M8, L10, ZPC(YEL), SVCH10	N
BN69- 00233A	CIS	BOARD- FUNCTION	NK17NS, -, -, FUNCTION PCB, -, -, -	N
BN69- 00234A	CIS	BOARD- I/R PCB	NK17NS, -, -, I/R PCB, -, -, -	N
BN69- 00263A	CIS	SPEAKER SYSTEM	EC5/NIKE17, EC5/NIKE17- L, 100X42, WIRE: 240MM	N
BN69- 00274A	CIS	SPEAKER SYSTEM	NIKE17, NIKE17- R, 100X42, WIRE: 630MM	N
BN63- 00039A	CIS	GASKET- EM	CN18ASE, -, 0. 3MM 7MM 380MM, -, -, -	N
BN63- 00101A	CIS	COVER- FRONT	NIKE17", ABS, -, -, -, HB, -, IV16, NONE, 1. 5	N
BN64- 00031A	CIS	BADGE- BRAND	RB15AS, AL, T1. 4, 6. 3, 40. 1, -, SILIVER, -	N
BN64- 00048A	CIS	KNOB- FUNCTION	NIKE 17", ABS, -, -, -, HB, IV16, -, SPRAY	N
BN67- 00020A	CIS	LENS- LED	EC515, ACRYL, CLEAR, -, -, -, -	Y
BN91- 00234A	-	ASSY LCD	NK17NS	N
BN07- 00047A	CIS	LCD	LTM70WI- L01, LSA, 8BIT, 404*258*16. 2, 16. 7M 30, -, -, -, AMLCD/ 2 LVDS, -	Y
BN91- 00247A	-	ASSY CHASSIS	NK17AS	Y
BN94- 00270A	-	ASSY PCB MAIN	NK17AS	N
0201- 001223	CIS	ADHESIVE- TS	HT- 130S, RED, 700+/- 50, -	N
0202- 001044	CIS	SOLDER WIRE.	S63S- V8. 0, S63S, DB, 63Sn/ 37Pb, -	N
0202- 001046	CIS	SOLDER WIRE FLUX	CF- 110VH 2A, -, -, -, -	N
0202- 001222	CIS	SOLDER WIRE FLUX	RS- 107, RS60- 1. 2AA, D1. 2, SN60/ PB40, -	N
0204- 001095	CIS	THINNER	#4520, -, -, -	N
2401- 000010	C845	C- AL	220uF, 20% 16V, GP, -, 6. 3x11mm 2.	Y
2401- 000010	C851	C- AL	220uF, 20% 16V, GP, -, 6. 3x11mm 2.	Y
2401- 000010	C857	C- AL	220uF, 20% 16V, GP, -, 6. 3x11mm 2.	Y
2401- 001363	C971	C- AL	470uF, 20% 16V, GP, TP, 10x12. 5, 5	Y

2401-001363	C981	C-AL	470uF, 20% 16V, GP, TP, 10x12. 5, 5	Y
2401-003224	C876	C-AL	470uF, 20% 16V, VT, TP, 8X11. 5, 5mm	Y
2409-001044	C847	C-ORGANIC	100UF, +- 20% 16V, VT, TP, 8X10. 5, 5	Y
2701-000146	L151	INDUCTOR-AXIAL	2. 2uH 10% 2. 5x3. 4mm	Y
2701-000146	L152	INDUCTOR-AXIAL	2. 2uH 10% 2. 5x3. 4mm	Y
2701-000146	L804	INDUCTOR-AXIAL	2. 2uH 10% 2. 5x3. 4mm	Y
3701-001219	CN401	CONNECTOR-DSUB	15P, 3R, FEMALE, ANGLE, AUF	Y
3711-000057	CN706_1	CONNECTOR-HEADER	BOX, 3P, 1R, 2. 5mm ANGLE, SN	N
3711-000654	CN1IG	CONNECTOR-HEADER	BOX, 12P, 1R, 2. 5mm STRAIGHT, SN	Y
3711-004270	CN501	CONNECTOR-HEADER	BOX, 2P, 1R, 2MM ANGLE, SN	N
3711-004386	CN502	CONNECTOR-HEADER	BOX, 3P, 1R, 2mm ANGLE, SN	N
3722-000110	CN810	JACK-DC POWER	1P, -, NI, BLACK, -	N
3722-000117	CN801	JACK-DC POWER	3P, 3. 5MM AG, BLK, NO	N
3722-001055	CN403	JACK-PHONE	5P/2C, 3. 6PI, AG, BLK, #16-22	N
3722-001806	CN001	JACK-SCART	21P, -, SNPB, BLK, -	Y
3722-001806	CN002	JACK-SCART	21P, -, SNPB, BLK, -	Y
6003-000117	IN PCB+SH/PCB	SCREW TAP TITE	BH +, B, MB, L6, ZPC(YEL), SVRCH18A	N
6003-000117	M PCB+SH/PCB	SCREW TAP TITE	BH +, B, MB, L6, ZPC(YEL), SVRCH18A	N
6003-000117	SH/ D SUB+SH/PCB	SCREW TAP TITE	BH +, B, MB, L6, ZPC(YEL), SVRCH18A	N
BN89-00002A	CIS	CBF- HARNESS	-, 60, BLU/WHI, -, 26, -	N
BN89-00247B	CIS	LEAD CONNECTOR- ASSY	NK17AS, UL2835#28, UL/ CSA, 6P, #28, 12505H5- 06, 12505H5- 06, BK, 180MM 2835#28, SJ 02- 01- 00	Y
BN40-00005A	CN888	RF MODULATOR- PAL	TCPQ091PD27D, PAL, -, -, -, 5V, - 10TO+65C, 50DB, 55DB	Y
BN44-00041A	CIS	INVERTER	ML17, SI C1803, 48KHz, 14VDC, 1. 5nArms, 7. 2nArms, 48KHz, 160*45*17, 4LAMP, 48KHz, -, -	Y
BN62-00003A	H5200	HEAT SINK-IC	NK, SUN A6063S, T2. 5, V28, L28, -, BH62, -	N
BN62-00003A	H5300	HEAT SINK-IC	NK, SUN A6063S, T2. 5, V28, L28, -, BH62, -	N
BN75-00237A	CIS	UNIT- SHIELD PCB	NI KE 17", -, SECC, TO. 8, -, -, -, -	N
BN90-00046B	CIS	ASSY SHIELD- D-SUB	NK15AS(PAL), -, SPTE, TO. 5, -, -, -, -	N
BN96-00048A	CIS	ASSY MISC P- SHIELD COVER	NK15NS, NK17NS	N
BN89-00254A	CIS	LEAD CONNECTOR- ASSY	NK15AS, UL1015#18, UL/ CSA, 1P, BLK, #18, 35750- 1010, 35798- 9810, BK, 100MM 1015#18, SJ 02- 0	Y
BN63-00163A	CIS	GASKET	GH17PSS, CONDUCTIVE FABRIC, 8MM 60MM 90MM GRAY, 71TSSK 60- 8- 90- 13, 71TSSK 60- 8- 90- 13	N
BN63-00206A	CIS	SHIELD- COVER	NK15NS, SPTE, TO. 3	N
BN97-00065B	-	ASSY MICOM	NK17AS, -, -, -, -, -, -, -	Y
1102-001129	IC620	IC- EPROM	M27VM01, 512KX8BIT, PLCC, 32P, 11. 35X13. 89MM 80NS, 3. 3V, 10% PLASTIC, - 40TO+85C, -, CMOS,	Y
BN46-00010B	CIS	S/W MICOM	NK17AS, -, -, -, -, -, -	N
BN97-00069A	-	ASSY SMD- MAIN	NK17AS	N
0202-001162	CIS	SOLDER- CREAM	RMA- 20- 21L, S63, -, SN63/ PB36. 6/ AGD. 4, FLUX9. 5%	N
0401-001056	D406	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0401-001056	D407	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0401-001056	D408	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0401-001056	D501	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0401-001056	D681	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0401-001056	D804	DIODE- SWITCHING	MMD4148SE, 75V, 200MA, SOT- 23, TP	Y
0402-000553	D802	DIODE- RECTIFIER	SS24, 40V, 2. 0A, DO- 214AA	Y
0402-001098	D803	DIODE- RECTIFIER	SK34, 40V, 3A, SMC, TP	Y
0403-000579	D401	DIODE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-000579	D402	DIODE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-000579	D403	DIODE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y

0403-000579	D404	DI CDE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-000579	D601	DI CDE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-000579	D602	DI CDE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-000579	D604	DI CDE- ZENER	BZX84C5V1, 5. 1V, 5% 200mW SOT- 23	Y
0403-001048	D001	DI CDE- ZENER	BZX84C16, 16V, 15. 3- 17. 1V, 225mW	Y
0403-001048	D010	DI CDE- ZENER	BZX84C16, 16V, 15. 3- 17. 1V, 225mW	Y
0403-001052	D002	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D003	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D004	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D005	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D006	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D007	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D008	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D009	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D011	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D012	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D013	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D014	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D015	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D016	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D017	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D018	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D019	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D020	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D021	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D022	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D023	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D024	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D025	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D026	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D101	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D102	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D103	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D104	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D116	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D117	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D118	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D119	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D120	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D121	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D122	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D543	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D545	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D570	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001052	D571	DI CDE- ZENER	RD8. 2MB, 8. 2V, 7. 7- 8. 64V, 200mW S	Y
0403-001435	D502	DI CDE- ZENER	QZX363C5V6, 5. 32- 5. 88, 200mW SOT- 363, TP	Y
0404-001166	D801	DI CDE- SCHOTTKY	MBRM130LT3, 30V, 1000mA, DO- 216AA, TP	Y

0404-001166	D880	DI CODE-SCHOTTKY	MBRM30LT3, 30V, 1000MA, DO-216AA, TP	Y
0407-000123	D405	DI CODE-ARRAY	DAN202K, 80V, 100MA, CA2-3, SOT-23, TP	Y
0501-000342	Q020	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-000342	Q001	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-000342	Q501	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-000342	Q555	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-000342	Q601	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-000342	Q611	TR-SMALL SI GNAL	KSC1623-Y, NPN 200mW SOT-23, TP, 135-270	Y
0501-002080	Q001	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q002	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q502	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q711	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q713	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q808	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q812	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0501-002080	Q813	TR-SMALL SI GNAL	2SC2412K, NPN 200mW SC-59, TP, 120-270	Y
0505-001170	IC808	FET-SI LICON	SI9933ADY-T1, P, -20V, 3.4A, 0.06ohm 2W SO-8	Y
0801-002267	IC406	IC-CMDS LOGIC	74LXC14, -, SCH C, 14P, 150ML, -, TP, -, -, -, 3.6V, -40TO+85C, -, 5.5V, -, -, 24MA	Y
0904-001009	IC631	IC-I/O SUPPORT CHIP	8574A, -, SCP, 16P, 300ML, 100KHz,	Y
0904-001009	IC632	IC-I/O SUPPORT CHIP	8574A, -, SCP, 16P, 300ML, 100KHz,	Y
1001-001082	IC013	IC-VIDEO SWITCH	BA7657F, -, SCP, 24P, 300ML, SINGL	Y
1001-001109	IC012	IC-ANALOG SWITCH	FST3125M BUS SWITCH & CMDS, SCH C, 17P, 150ML, QUAD, 7V, -40TO+85C, PLASTIC, -, 4.0CHM 5.	Y
1001-001109	IC681	IC-ANALOG SWITCH	FST3125M BUS SWITCH & CMDS, SCH C, 17P, 150ML, QUAD, 7V, -40TO+85C, PLASTIC, -, 4.0CHM 5.	Y
1001-001177	IC011	IC-VIDEO SWITCH	TEA6425D, VIDEO SWITCH, SCH C, 20P, 300ML, -, 8.8V, 0TO+70C, PLASTIC, -, -, -, 2UA, ST, -	Y
1001-001190	IC001	IC-ANALOG SWITCH	FST16233MTD, BUS SWITCH, TSSOP, 56P, 240ML, -, 5.5V, -40TO+85C, PLASTIC, -, 20CHM 8.5NS, 7	Y
1002-001292	IC350	IC-A/D CONVERTER	AD9883AKST-110, 8BITS, QFP, 80P, 551ML, \pm 0.5LSB, TR, CMDS, PLASTIC, 3.3V, -25TO+85C, 650M	Y
1003-001419	IC300	IC-DISPLAY DRIVER	MM82860, QFP, 208P, 1102ML, -, -, TR, PLASTIC, 3.3V, -, 2.3W, -, -	Y
1103-000129	IC401	IC-EEPROM	24C02, 256x8BIT, SCP, 8P, 150ML, 1	Y
1103-000138	IC603	IC-EEPROM	24C16, 2Kx8BIT, SCP, 8P, 150ML, 10	Y
1109-001195	IC210	IC-VIDEO RAM	K4G323222A, 2X512KX32BIT, PQFP, 100P, -, 6NS, 3.3V, 10% PLASTIC, 0TO+70C, 2MA, CMDS, TR	Y
1109-001195	IC211	IC-VIDEO RAM	K4G323222A, 2X512KX32BIT, PQFP, 100P, -, 6NS, 3.3V, 10% PLASTIC, 0TO+70C, 2MA, CMDS, TR	Y
1201-001495	IC530	IC-AUDIO AMP	7050, SCP, 8P, 150ML, DUAL, 26DB, PLASTIC, 6V, 0.25W, -, 40DB, -, -, 20NA, -	Y
1201-001681	IC501	IC-AUDIO AMP	1101, SCP, 30P, 433ML, -, -, PLASTIC, 13.2V, -, 0to+70C, -, -, -, -, TP	Y
1203-000404	IC801	IC-DC/DC CONVERTER	34063, SCP, 8P, 150ML, PLASTIC, 1.0/1.3V, -, 0TO+70C, 4.0MA, -, ST	Y
1203-000404	IC810	IC-DC/DC CONVERTER	34063, SCP, 8P, 150ML, PLASTIC, 1.0/1.3V, -, 0TO+70C, 4.0MA, -, ST	Y
1203-001212	IC604	IC-VOL. DETECTOR	7029, SOT-89, 3P, -, PLASTIC, -, 500	Y
1203-001293	IC811	IC-POS. FIXED REG	033, TO-252, 3P, 6.5ML, PLASTIC, 3	Y
1203-001448	IC804	IC-SWITCH VOL. REG	2596, TO-263, 5P, -, PLASTIC, 4.750	Y
1203-001779	IC807	IC-POS. FIXED REG	7812, D2PAK, 3P, -, PLASTIC, 11.5/12.5V, -, -40TO+125CC, 1A, -, TP	Y
1203-001816	IC803	IC-POS. FIXED REG	78M08, TO-252, 3P, -, PLASTIC, 7.7/8.3V, 1.0W, -40TO+85C, 0.5A, -, TP	Y
1203-001830	IC805	IC-SWITCH VOL. REG	2676, TO-263, 7P, -, PLASTIC, 3.234/3.336V, -, -40TO+125C, 3A, -, TP	Y
1203-001890	IC802	IC-VOLTAGE REGULATOR	3961, SOT223-5, 5P, -, PLASTIC, 2.5V, -, -40to+125C, 800mA, -, TR	Y
1203-001890	IC806	IC-VOLTAGE REGULATOR	3961, SOT223-5, 5P, -, PLASTIC, 2.5V, -, -40to+125C, 800mA, -, TR	Y
1204-001675	IC919	IC-SOUND PROCESSOR	MSP3451G, QFP, 80P, -, PLASTIC, 9V, 1000mW 0to+70C, TR, Multistandard Sound	Y
1204-001911	IC200	IC-VIDEO PROCESS	DPTV-3D-6730, PQFP, 208P, 28X28MM PLASTIC, 4.6V, -, 0TO+70C, TR, -	Y
1204-001912	IC601	IC-DECODER	SDA5550M P-MQFP, 100P, -, PLASTIC, 3.3V, 1.5W 0TO+70C, TR, -	Y
1204-001926	IC010	IC-VIDEO PROCESS	VPC3230D-C5, PQFP, 80P, -, PLASTIC, 6V, -, 0 TO 65C, TP, VPC3230D-C5	Y

1205- 001740	I C901	I C- TRANSMITTER	DS90C385, TSSOP, 56P, 240ML, PLASTIC, 4V, 1.63W- 10 TO +70C, ST, FPD LINK- 85MHZ(LVDS)	Y
2007- 000070	R00B	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R00G	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R00R	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R0H5	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R0V5	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R215	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R216	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R217	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R218	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R222	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R303	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R328	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R351	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R534	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R537	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R652	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R807	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000070	R902	R- CHIP	0ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R002	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R003	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R004	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R102	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R105	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R108	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R304	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R354	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R355	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000071	R367	R- CHIP	22ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R238	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R329	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R521	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R522	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R526	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R528	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R532	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R533	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R903	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R904	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R905	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R907	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000072	R908	R- CHIP	47ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000074	R001	R- CHIP	100ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000074	R005	R- CHIP	100ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000074	R025	R- CHIP	100ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000074	R026	R- CHIP	100ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000074	R111	R- CHIP	100ohm 5% 1/ 16W DA, TP, 1608	Y

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2007- 000077	R470	R- CHI P	470ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000077	R479	R- CHI P	470ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000077	R529	R- CHI P	470ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000077	R531	R- CHI P	470ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000077	R606	R- CHI P	470ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R015	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R016	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R017	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R036	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R114	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R115	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R437	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R553	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R554	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R555	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R636	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000078	R691	R- CHI P	1Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000081	R042	R- CHI P	2. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000081	R054	R- CHI P	2. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000082	R356	R- CHI P	3. 3Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R028	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R037	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R038	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R064	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R065	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R127	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R128	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R129	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R213	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R221	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R225	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R239	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R243	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R302	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R504	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R527	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R617	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R631	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R646	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R648	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R774	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R776	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R811	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R821	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R822	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R841	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000084	R842	R- CHI P	4. 7Kohm 5% 1/ 16W DA, TP, 1608	Y

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2007- 000091	R513	R- CHI P	12Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000092	R406	R- CHI P	15Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000092	R407	R- CHI P	15Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000093	R505	R- CHI P	20Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000093	R506	R- CHI P	20Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000093	R514	R- CHI P	20Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000093	R515	R- CHI P	20Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000094	R103	R- CHI P	22Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000094	R106	R- CHI P	22Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000096	R605	R- CHI P	30Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000097	R199	R- CHI P	47Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000097	R603	R- CHI P	47Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000098	R602	R- CHI P	56Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000102	R864	R- CHI P	100Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000102	R874	R- CHI P	100Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000109	R305	R- CHI P	1Mohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000109	R309	R- CHI P	1Mohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000109	R317	R- CHI P	1Mohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000109	R503	R- CHI P	1Mohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R121	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R122	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R123	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R124	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R125	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R126	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R201	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R202	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R203	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R204	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R205	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000113	R206	R- CHI P	33ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000118	R231	R- CHI P	390ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000120	R645	R- CHI P	680ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000219	R890	R- CHI P	1. 2Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000219	R894	R- CHI P	1. 2Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000239	R244	R- CHI P	1. 5Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000239	R612	R- CHI P	1. 5Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000239	R613	R- CHI P	1. 5Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000309	R027	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R062	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R063	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R214	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R219	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R224	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R438	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R441	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R501	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y

2007- 000309	R502	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R635	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R692	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	R693	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 01	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 02	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 03	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 04	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 05	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 06	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 07	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 08	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 09	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 10	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 11	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 12	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 13	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 14	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 15	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 16	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 17	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 18	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000309	RJ 19	R- CHI P	10ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000458	R591	R- CHI P	18Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000512	R109	R- CHI P	2. 4Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000616	R318	R- CHI P	24Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000669	R895	R- CHI P	2Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000701	R891	R- CHI P	3. 6Kohm 1% 1/ 16W DA, TP, 1608	Y
2007- 000882	R518	R- CHI P	4. 7ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 000882	R519	R- CHI P	4. 7ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 001010	R312	R- CHI P	51Kohm 5% 1/ 16W DA, TP, 1608	Y
2007- 001044	R551	R- CHI P	56ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 001044	R552	R- CHI P	56ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 001134	R808	R- CHI P	68ohm 5% 1/ 16W DA, TP, 1608	Y
2007- 001164	R314	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R315	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R316	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R321	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R325	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R326	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R411	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R412	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R413	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R870	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R871	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001164	R872	R- CHI P	75ohm 1% 1/ 16W DA, TP, 1608	Y
2007- 001167	R007	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y

2007-001167	R008	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R009	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R014	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R019	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R022	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R023	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R024	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R035	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R041	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R049	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R067	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R236	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001167	R619	R- CHI P	75ohm 5% 1/ 16W DA, TP, 1608	Y
2007-001175	R511	R- CHI P	8. 2Kohm 1% 1/ 16W DA, TP, 1608	Y
2007-008433	R892	R- CHI P	0. 33CHM 1% 1W DA, TP, 6432	Y
2007-008433	R893	R- CHI P	0. 33CHM 1% 1W DA, TP, 6432	Y
2011-000002	IC002	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC003	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC004	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC005	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC006	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC007	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC008	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	IC009	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA301	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA302	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA303	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA304	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA305	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA306	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA311	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA312	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA313	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA351	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA352	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA353	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA354	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA355	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000002	RA356	R- NETWORK	22ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000515	IC641	R- NETWORK	4. 7Kohm 5% 1/ 16W L, CHI P, 8P, TP	Y
2011-000515	IC642	R- NETWORK	4. 7Kohm 5% 1/ 16W L, CHI P, 8P, TP	Y
2011-000651	IC621	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000651	IC622	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000651	IC623	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000651	IC624	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000651	IC625	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y
2011-000651	IC626	R- NETWORK	10ohm 5% 63nW L, CHI P, 8P, TP	Y

2011-000651	IC627	R- NETWORK	10ohm 5% 63mV L, CHIP, 8P, TP	Y
2011-000651	IC628	R- NETWORK	10ohm 5% 63mV L, CHIP, 8P, TP	Y
2011-000651	IC629	R- NETWORK	10ohm 5% 63mV L, CHIP, 8P, TP	Y
2203-000140	C004	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C008	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C016	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C019	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C038	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C538	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000140	C574	C- CERAM C, CHIP	1. 5nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000189	C112	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C304	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C338	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C504	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C505	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C506	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C524	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C525	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C526	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C541	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C542	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C559	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C565	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C570	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C589	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C620	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C624	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C821	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C842	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C844	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C846	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C852	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C853	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C856	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C858	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C862	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C864	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C868	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C871	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C881	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C894	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C895	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C908	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C909	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C910	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C912	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y
2203-000189	C972	C- CERAM C, CHIP	100nF, +80- 20% 25V, Y5V, TP, 1608,	Y

[illegible]

2203-000257	C120	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C122	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C124	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C383	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C623	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C825	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C859	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C863	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C866	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000257	C921	C- CERAM C, CHI P	10nF, 10% 50V, X7R, TP, 1608	Y
2203-000280	C023	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C025	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C026	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C027	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C028	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C029	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C030	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C057	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C058	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C059	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C060	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C355	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C356	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C527	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000280	C572	C- CERAM C, CHI P	0. 01nF, 0. 5pF, 50V, NP0, TP, 1608	Y
2203-000357	C608	C- CERAM C, CHI P	0. 15nF, 5% 50V, NP0, TP, 1608	Y
2203-000440	C062	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C063	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C064	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C065	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C301	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C536	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C537	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C539	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C547	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C901	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C902	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000440	C905	C- CERAM C, CHI P	1nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000491	C544	C- CERAM C, CHI P	2. 2nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000491	C548	C- CERAM C, CHI P	2. 2nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000491	C595	C- CERAM C, CHI P	2. 2nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000491	C596	C- CERAM C, CHI P	2. 2nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000552	C225	C- CERAM C, CHI P	0. 02nF, 5% 50V, NP0, TP, 1608	Y
2203-000552	C226	C- CERAM C, CHI P	0. 02nF, 5% 50V, NP0, TP, 1608	Y
2203-000552	C614	C- CERAM C, CHI P	0. 02nF, 5% 50V, NP0, TP, 1608	Y
2203-000552	C615	C- CERAM C, CHI P	0. 02nF, 5% 50V, NP0, TP, 1608	Y
2203-000626	C922	C- CERAM C, CHI P	0. 022nF, 5% 50V, NP0, TP, 1608	Y

2203-000626	C923	C- CERAM C, CHI P	0. 022nF, 5% 50V, NP0, TP, 1608	Y
2203-000626	C924	C- CERAM C, CHI P	0. 022nF, 5% 50V, NP0, TP, 1608	Y
2203-000726	C381	C- CERAM C, CHI P	3. 9nF, 10% 50V, X7R, TP, 1608, -	Y
2203-000783	C088	C- CERAM C, CHI P	0. 33nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C244	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C290	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C291	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C292	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C293	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C294	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C295	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C296	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C297	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C298	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C299	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C308	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C309	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C366	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C368	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C371	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C373	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C375	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C376	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A1	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A2	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A3	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A4	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A5	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A6	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A7	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A8	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3A9	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3AA	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3AB	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3AC	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000815	C3AD	C- CERAM C, CHI P	0. 033nF, 5% 50V, NP0, TP, 1608	Y
2203-000839	C313	C- CERAM C, CHI P	0. 39nF, 5% 50V, NP0, TP, 2012	Y
2203-000903	C011	C- CERAM C, CHI P	0. 0047nF, 0. 25pF, 50V, NP0, TP, 1608	Y
2203-000903	C012	C- CERAM C, CHI P	0. 0047nF, 0. 25pF, 50V, NP0, TP, 1608	Y
2203-000972	C005	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000972	C007	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000972	C013	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000972	C021	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000972	C379	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000972	C576	C- CERAM C, CHI P	47nF, 10% 16V, X7R, TP, 1608	Y
2203-000998	C040	C- CERAM C, CHI P	0. 047nF, 5% 50V, NP0, TP, 1608	Y
2203-000998	C052	C- CERAM C, CHI P	0. 047nF, 5% 50V, NP0, TP, 1608	Y

2203-000998	C086	C- CERAM C, CHI P	0. 047nF, 5% 50V, NP0, TP, 1608	Y
2203-000998	C087	C- CERAM C, CHI P	0. 047nF, 5% 50V, NP0, TP, 1608	Y
2203-000998	C089	C- CERAM C, CHI P	0. 047nF, 5% 50V, NP0, TP, 1608	Y
2203-001071	C567	C- CERAM C, CHI P	0. 056nF, 5% 50V, NP0, TP, 1608	Y
2203-001071	C568	C- CERAM C, CHI P	0. 056nF, 5% 50V, NP0, TP, 1608	Y
2203-001071	C571	C- CERAM C, CHI P	0. 056nF, 5% 50V, NP0, TP, 1608	Y
2203-001126	C892	C- CERAM C, CHI P	0. 68nF, 10% 50V, X7R, TP, 1608	Y
2203-001140	C002	C- CERAM C, CHI P	68nF, 10% 16V, X7R, TP, 1608, -	Y
2203-001140	C003	C- CERAM C, CHI P	68nF, 10% 16V, X7R, TP, 1608, -	Y
2203-001140	C006	C- CERAM C, CHI P	68nF, 10% 16V, X7R, TP, 1608, -	Y
2203-001402	C015	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C020	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C031	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C032	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C033	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C034	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C035	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C036	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C039	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C047	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C049	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C848	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001402	C849	C- CERAM C, CHI P	220nF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-001656	C017	C- CERAM C, CHI P	0. 47nF, 5% 50V, NP0, TP, 1608	Y
2203-001656	C024	C- CERAM C, CHI P	0. 47nF, 5% 50V, NP0, TP, 1608	Y
2203-001656	C037	C- CERAM C, CHI P	0. 47nF, 5% 50V, NP0, TP, 1608	Y
2203-001656	C543	C- CERAM C, CHI P	0. 47nF, 5% 50V, NP0, TP, 1608	Y
2203-001656	C569	C- CERAM C, CHI P	0. 47nF, 5% 50V, NP0, TP, 1608	Y
2203-005005	C010	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C201	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C202	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C203	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C204	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C205	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C206	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C207	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C208	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C209	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C211	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C212	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C213	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C214	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C215	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C216	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C217	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C229	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y
2203-005005	C238	C- CERAM C, CHI P	100nF, 10% 16V, X7R, TP, 1608	Y

[illegible]

[illegible]

2203-005065	C532	C- CERAM C, CHI P	1000nF, +80- 20% 10V, Y5V, TP, 1608	Y
2203-006017	C221	C- CERAM C, CHI P	0. 56NF, 5% 50V, COG, TP, 1608	Y
2203-006017	C224	C- CERAM C, CHI P	0. 56NF, 5% 50V, COG, TP, 1608	Y
2203-006036	C018	C- CERAM C, CHI P	680NF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-006036	C067	C- CERAM C, CHI P	680NF, +80- 20% 16V, Y5V, TP, 1608	Y
2203-006036	C068	C- CERAM C, CHI P	680NF, +80- 20% 16V, Y5V, TP, 1608	Y
2402-000108	C552	C- AL, SMD	10uF, 20% 16V, VT, TP, 4. 3x4. 3x5. 4	Y
2402-000108	C561	C- AL, SMD	10uF, 20% 16V, VT, TP, 4. 3x4. 3x5. 4	Y
2402-000108	C622	C- AL, SMD	10uF, 20% 16V, VT, TP, 4. 3x4. 3x5. 4	Y
2402-000135	C092	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C093	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C218	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C223	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C231	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C236	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C250	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C251	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C252	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C254	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C258	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C269	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C284	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C320	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C339	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C382	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C591	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C592	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C593	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000135	C594	C- AL, SMD	22uF, 20% 16V, GP, TP, 5. 3x5. 3x5. 4	Y
2402-000168	C247	C- AL, SMD	100uF, 20% 16V, GP, TP, 8. 3x8. 3x6. 3mm	Y
2402-000170	C519	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C521	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C531	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C533	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C828	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C870	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000170	C899	C- AL, SMD	1uF, 20% 50V, GP, TP, 4. 3x4. 3x5. 4,	Y
2402-000173	C343	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C351	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C358	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C553	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C554	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C555	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C556	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C557	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C558	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C562	C- AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y

2402-000173	C563	C-AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000173	C564	C-AL, SMD	4. 7uF, 20% 35V, GP, TP, 4. 3x4. 3x5.	Y
2402-000176	C009	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C014	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C022	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C042	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C043	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C044	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C045	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C046	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C048	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C113	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C115	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C117	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C119	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C121	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C123	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C125	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C241	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C406	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C545	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C546	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C566	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C628	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000176	C893	C-AL, SMD	10uF, 20% 16V, GP, TP, 4. 3x4. 3x5. 4	Y
2402-000179	C001	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C066	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C200	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C289	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C311	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C577	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C603	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-000179	C611	C-AL, SMD	47uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4	Y
2402-001019	C616	C-AL, SMD	2. 2uF, 20% 35V, GP, TP, 3. 3x3. 3x5.	Y
2402-001042	C041	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C281	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C336	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C392	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C520	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C522	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C523	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C528	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C534	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C535	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C575	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C580	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C597	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y

2402-001042	C598	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C604	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C621	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C809	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C812	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C822	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C841	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C843	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C861	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C889	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C903	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C904	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C906	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C907	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001042	C911	C-AL, SMD	100uF, 20% 16V, GP, TP, 6. 6x6. 6x5. 4mm	Y
2402-001086	C872	C-AL, SMD	100UF, 20% 16V, VT, TP, 6. 6X6. 6X5. 3	Y
2402-001155	C288	C-AL, SMD	47UF, 20% 16V, VT, TP, 6. 3X5. 2MM	Y
2402-001155	C329	C-AL, SMD	47UF, 20% 16V, VT, TP, 6. 3X5. 2MM	Y
2409-001029	C810	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C813	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C826	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C827	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C865	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C867	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C869	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2409-001029	C890	C-ORGANIC	120uF, 20% 6. 3V, VT, TP, 10. 3x10. 3x10. 3mm9	Y
2503-001018	IC111	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC112	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC113	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC114	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC115	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC116	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC117	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC118	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC119	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC120	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC121	C-NETWORK	15PFX4, 10% 50V, -	Y
2503-001018	IC122	C-NETWORK	15PFX4, 10% 50V, -	Y
2703-000398	L008	INDUCTOR-SMD	10uH 10% 3. 2x2. 5x2. 2mm	Y
2703-000398	L401	INDUCTOR-SMD	10uH 10% 3. 2x2. 5x2. 2mm	Y
2703-000398	L410	INDUCTOR-SMD	10uH 10% 3. 2x2. 5x2. 2mm	Y
2703-000412	L611	INDUCTOR-SMD	8. 2uH 5% 3. 2x2. 5x2. 2mm	Y
2703-001334	L411	INDUCTOR-SMD	1. 5uH 10% 2x1. 25x0. 85mm	Y
2703-001334	L412	INDUCTOR-SMD	1. 5uH 10% 2x1. 25x0. 85mm	Y
2703-001778	L004	INDUCTOR-SMD	3. 3uH 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L005	INDUCTOR-SMD	3. 3uH 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L006	INDUCTOR-SMD	3. 3uH 20% 3. 2X2. 5X2. 2MM	Y

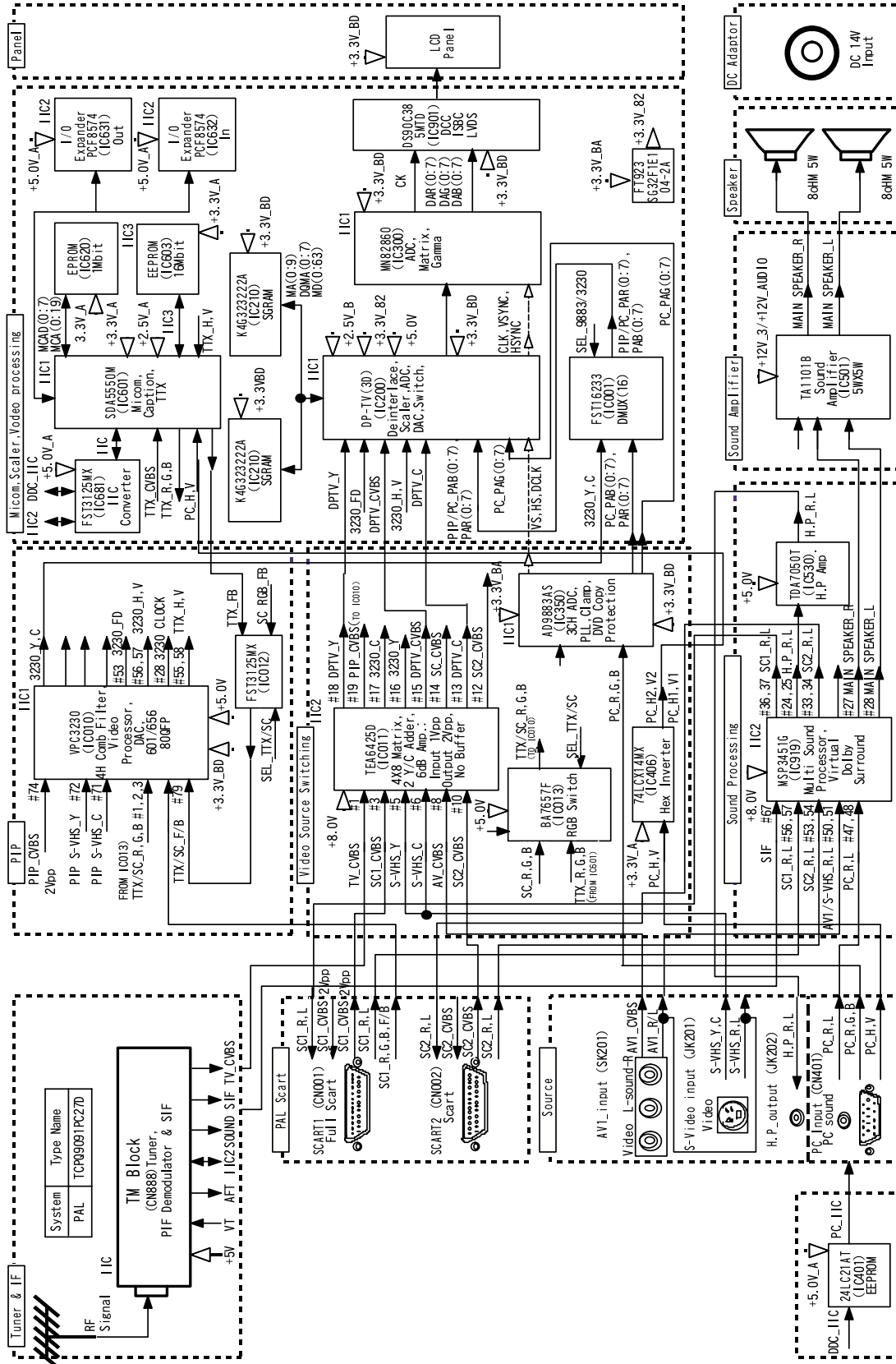
2703-001778	L007	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L201	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L202	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L203	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L204	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L206	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L207	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L208	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L209	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L555	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L612	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L613	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-001778	L921	INDUCTOR- SMD	3. 3UH, 20% 3. 2X2. 5X2. 2MM	Y
2703-002327	L540	INDUCTOR- SMD	3. 9UH, 55, 3. 2X2. 5X2. 2MM	Y
2703-002327	L541	INDUCTOR- SMD	3. 9UH, 55, 3. 2X2. 5X2. 2MM	Y
2801-003667	X201	CRYSTAL- SMD	14. 3182MHZ, 50PPM 28- AAN 16, 50OHM TP	Y
2801-003843	X511	CRYSTAL- SMD	18. 432MHz, 30ppm 28- AAN 20pF, 50ohm TP	Y
2801-004004	X401	CRYSTAL- SMD	20. 25MHz, 20ppm 28- AAN 13pF, 25ohm TP	Y
2801-004117	X601	CRYSTAL- SMD	6MHZ, 30PPM 28- ABX, 20PF, 150OHM TP	Y
2901-001114	FT101	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT281	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT901	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT902	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT903	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT904	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	FT923	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
2901-001114	R293	FILTER- EM SMD	25VDC, 2. 0ADC, -, 100nF, 3. 2x1. 6x1	Y
3301-001145	FT211	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT303	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT304	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT811	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT814	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT815	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT816	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT817	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT818	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT822	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT824	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT825	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT851	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT852	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT920	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	FT921	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3301-001145	L100	CORE- FERRITE BEAD	AB, 4. 5x1. 6x1. 6mm -, -	N
3704-000249	IC620_SOCKET	SOCKET- IC	32P, PLCC, SN 1. 27mm	Y
3711-000556	CN702_1	CONNECTOR- HEADER	BOX, 12P, 1R, 1. 25mm SMD- A, SN	N
3711-002046	CN920	CONNECTOR- HEADER	3WALL, 12P, 1R, 1. 25mm SMD- S, SN	N

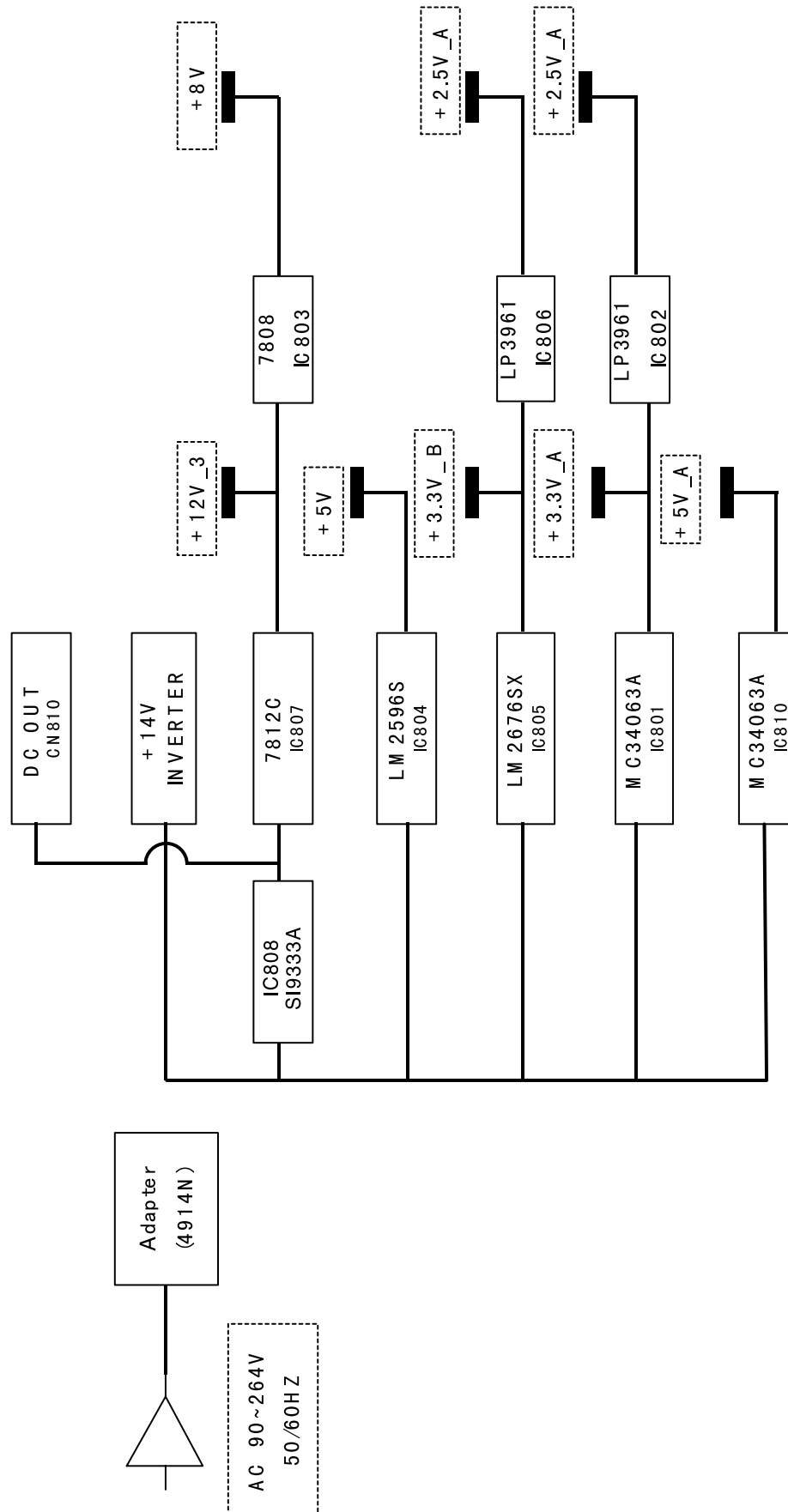
3711-002049	CN701_1	CONNECTOR-HEADER	BOX, 6P, 1R, 1.25mm SMD-A, SN	N
3711-003161	CN801	CONNECTOR-HEADER	BOX, 20P, 1R, 1.25mm ANGLE, SN	N
BN27-00007A	L501	COIL CHOKE-SMD	DH0504-100, RB15/17NS, 10UH ± 10% -, 0.08CHM 1.5A, DR5. 8X4. 5, 20. 5TS, 6. 0X5. 2X4. 5MMJ-	Y
BN27-00007A	L502	COIL CHOKE-SMD	DH0504-100, RB15/17NS, 10UH ± 10% -, 0.08CHM 1.5A, DR5. 8X4. 5, 20. 5TS, 6. 0X5. 2X4. 5MMJ-	Y
BN27-00007A	L503	COIL CHOKE-SMD	DH0504-100, RB15/17NS, 10UH ± 10% -, 0.08CHM 1.5A, DR5. 8X4. 5, 20. 5TS, 6. 0X5. 2X4. 5MMJ-	Y
BN27-00007A	L504	COIL CHOKE-SMD	DH0504-100, RB15/17NS, 10UH ± 10% -, 0.08CHM 1.5A, DR5. 8X4. 5, 20. 5TS, 6. 0X5. 2X4. 5MMJ-	Y
BN27-00009A	L806	COIL CHOKE	SMD 12X12X6, EC5, 33UH 15% -, 0.12Ω MAX, 2A, DR10X5. 0MMJ 18. 5TS, 12X12X6, 1.8MMJ 1UEW0.	Y
BN27-00010A	L805	COIL CHOKE	-, NK17NS, 100UH 10% -, 0.7Ω MAX, 6A, DR5. 8X4. 5MMJ 59. 5TS, 6. 0X5. 2X4. 5MMJ 1.8MMJ 1UEW0.	Y
BN27-00010A	L830	COIL CHOKE	-, NK17NS, 100UH 10% -, 0.7Ω MAX, 6A, DR5. 8X4. 5MMJ 59. 5TS, 6. 0X5. 2X4. 5MMJ 1.8MMJ 1UEW0.	Y
BN27-20001A	L807	COIL-CHOKE	-, 53.0UH 20% DR10*5, -, -, -, -, 0.18ohm -, -, -, TRAY	Y
BN41-00139A	MP1.0	PCB MAIN	NK17AS, FR4, 6L, -, -, 280X140X1.6, NK17AS, -, -, -	N
BN91-00348H	-	ASSY SHIELD	NK17AS	N
0203-001160	CIS	TAPE-FILAMENT	SCOTCH#8915, T0.16, V#8, L55MM TRP	N
6001-000154	STD+C/R	SCREW MACHINE	BH +, M, L8, NI PLT, SM20C, -	Y
6003-000276	C/F+AUD/PCB	SCREW TAP TITE	BH +, B, M, L10, ZPC(YEL), SVCH10	N
6003-000276	C/F+B/GUIDE	SCREW TAP TITE	BH +, B, M, L10, ZPC(YEL), SVCH10	N
6003-000276	C/F+SH/PCB	SCREW TAP TITE	BH +, B, M, L10, ZPC(YEL), SVCH10	N
6003-000276	GND_WIRE+SH/PCB	SCREW TAP TITE	BH +, B, M, L10, ZPC(YEL), SVCH10	N
6502-001019	SH/PCB	CABLE CLAMP	DAM-10, ID9.9, T7.1, NYLON6.6, GRAY	N
BN89-00080A	CIS	CABLE RCA-HARNESS	NK17NS, UL2835#28, UL/CSA, 20P, -, -, #28, 12507HS-20, 12507HS-20, BK, -, -, 130MMJ 2835#28, S	Y
BN89-00248A	CIS	LEAD CONNECTOR-ASSY	NK17AS, UL2835#28, UL/CSA, 12P, #28, SMH200-12, 12505HS-12, BK, 230MMJ 2835#28, SJ 02-01-00	Y
BN69-00215B	CIS	BOARD-AV JACK ASSY	NK17AS, AV-JACK BOARD ASSY	Y
BN63-00109A	CIS	GASKET	4312FA, CONDUCTIVE FABRIC, 5MMJ 17MMJ 100MMJ GRAY, 71TSSK17-5-100-13, 71TSSK17-5-100-1	N
BN63-00222A	CIS	GASKET	NK17AS, CONDUCTIVE FABRIC, 10MMJ 17MMJ 35MMJ GRAY, 71TSSK 17-10-35-13, 71TSSK 17-10-35-	N
BN63-00258A	CIS	GASKET	NK17KS, CONDUCTIVE-FABRIC, 3MMJ 20MMJ 405MMJ GRAY, 71TSSK 20-3-405-13, 71TSSK 20-3-405-	N
BN68-00195P	CIS	LABEL-MARK	SEC(SZ) PANEL, ART-PAPER 100G -, 30, 10, -, BLK, WHIT, -, -	N
BN70-00192A	CIS	BRACKET-SUPPORT	RB15AS, SECC, 0.8	N
BN92-00322A	-	ASSY BOX	NK17AS, -, -, -	N
BH75-10529C	CIS	UNIT-HANDLE/PACKING	S/M70MP, PE-LD, PE-HD, -, WHITE, -	N
BN72-60001A	CIS	LEVER TOP	LSD210TL, PE-LD, WHITE, TFT_LCD	N
BN72-60002C	CIS	LEVER BOTTOM	S/M70MP, PE-HD, BLUE	N
BN68-00135A	CIS	LABEL BAR CODE	-, ALL, MPRII, DOM ART-PAPER 90G -, WHIT, BLACK, -, -, -	N
BN69-00276B	CIS	BOX	LW17N13W GUJ U CB-SVM, YEL, A-1, -, -, -, L597*V#53*H245, -	N
BN92-00323A	-	ASSY LABEL	NK17AS	N
BN68-00243B	CIS	LABEL RATING	NK17AS, EDC, PE, T0.05, 90, 45, SYNC, -, PE NATURE, -, -	N
BN92-00346J	-	ASSY P/MATERIAL	NK17AS	N
0203-001100	CIS	TAPE-OPP MASKING	OPP/V#5/CLR, T0.05, V#5, L800000, CLR	N
BH69-00457A	CIS	PACKING PAD	GH17, FOAM T3.0, 1180, 1130	N
BH69-30355E	CIS	BAG-PE/N	NK15, PE FOAM 0.5, 650, 650, NTR	N
BH69-40318A	CIS	PACKING PALLET	, WOODEN V#34, L1220, H120	N
BH69-40321J	CIS	PACKING PAD EDGE	PN15VT, B400, -, -, V#40, L1154, -, -, -, SKD	N
BH69-40379A	CIS	PACKING WRAP	LDPE, V#00*T0.02, -, -	N
BN68-00129A	CIS	LABEL SHIPPING	-, LABEL SHIPPING ART-PAPER, 100G -, WHIT, BLACK, -, -, -	N
BN69-00140T	CIS	PAD-PALLET COVER	SUN(LS#810), SW900, 3760, -, -, -, -, -	N
BN69-00248A	CIS	CUSHION L/R	NIKE 17", EPS, -, -, 50MM -, -, -, -	N
BN92-00416Y	-	ASSY ACCESSORY	GH18PSANV EDC, EDC, NETHERLANDS, 10LANG (CD)	N
BN44-00063A	CIS	ADAPTOR	AD-4914N EC517, 100-240VAC, 47 - 63 HZ, +14VDC, 3.5A, -, 49W-, 0 TO +40 C, 120*63*31, SA	Y

BN96-00050Y	CIS	ASSY ACCESSORY	GG15LS	N
0203-000214	CIS	TAPE-OPP MASKING	OPP/V80/CLR, T0.05, V80, L400000,	N
4301-000121	CIS	BATTERY-MN	1.5V, -, AAA, 10.5x44.5mm HOLDER	N
6801-001009	CIS	CARD-WARRANTY	EUROPE(12), 8	N
6801-001017	CIS	CARD-REGISTRATION	XEC, SPANISH, MJC 0100, L150, V892, -, -	Y
BH89-10339H	CIS	CBF-POWER CORD	DET, H05VV-F, 250V/10, 16A, BLK, 25	Y
BH89-40355W	CIS	CBF-HARNESS	-, 2000MM, IVORY, -, -, -	Y
BH89-30348D	CIS	BAG-PE	LDPE, T0.05, V240*L356, Y, -, CM673	N
BN89-00043A	CIS	CBF-SIGNAL	DETACHABLE, -, 15P/15P, -, -, -	Y
BN89-00225A	CIS	REMCON	-, TMV1, NIKE, 41, GR20, BLUE, PAL, -, -, -, -	Y
BN88-00248B	CIS	MANUAL-USERS	LT15N13W/LT17N13W/SAMSUNG E/F/S/G/P/I/SW/EDC, MJC C80G, 148, 210	Y

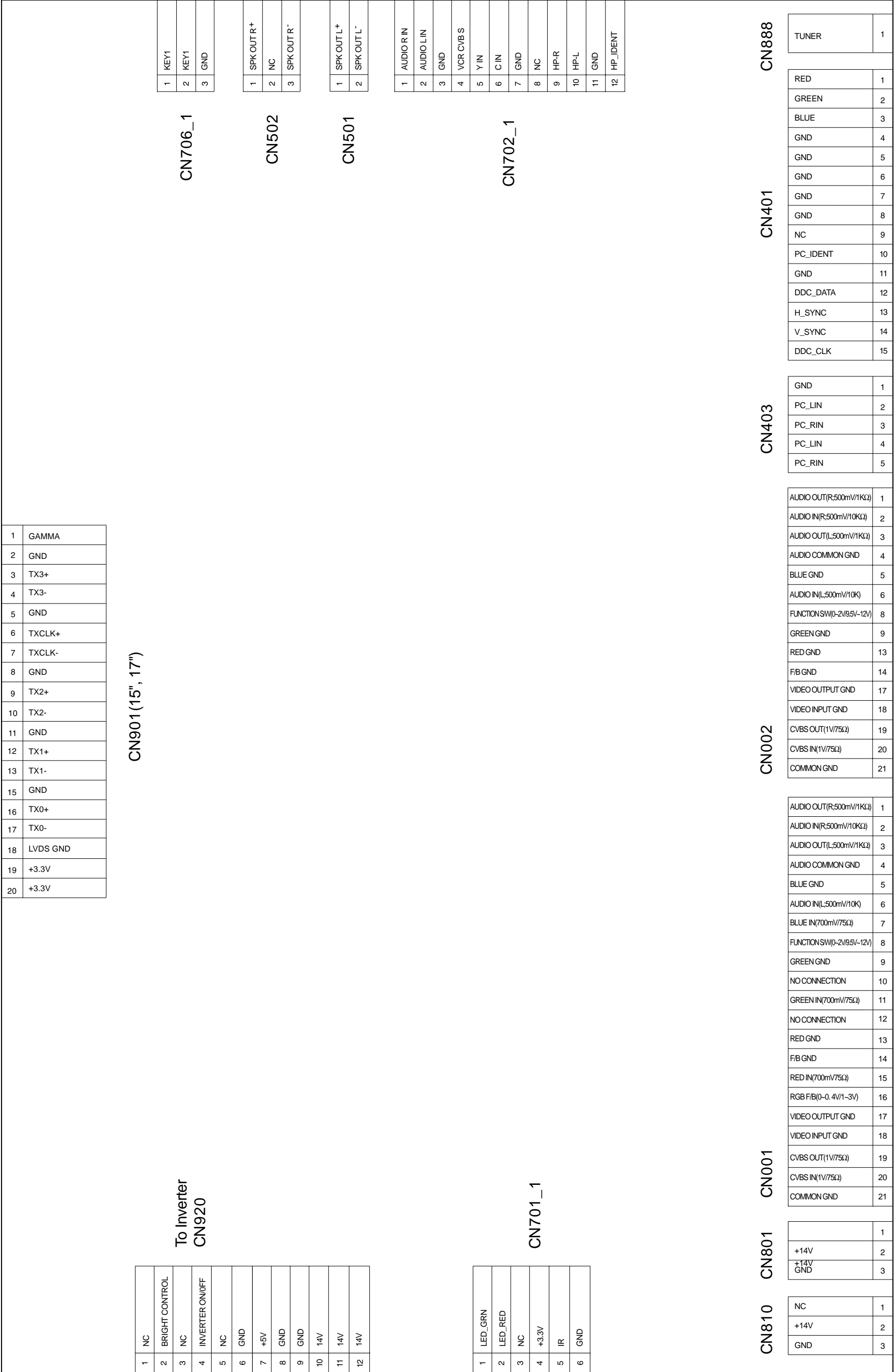
8 Block Diagram

8-1 NK15A*/NK17A*





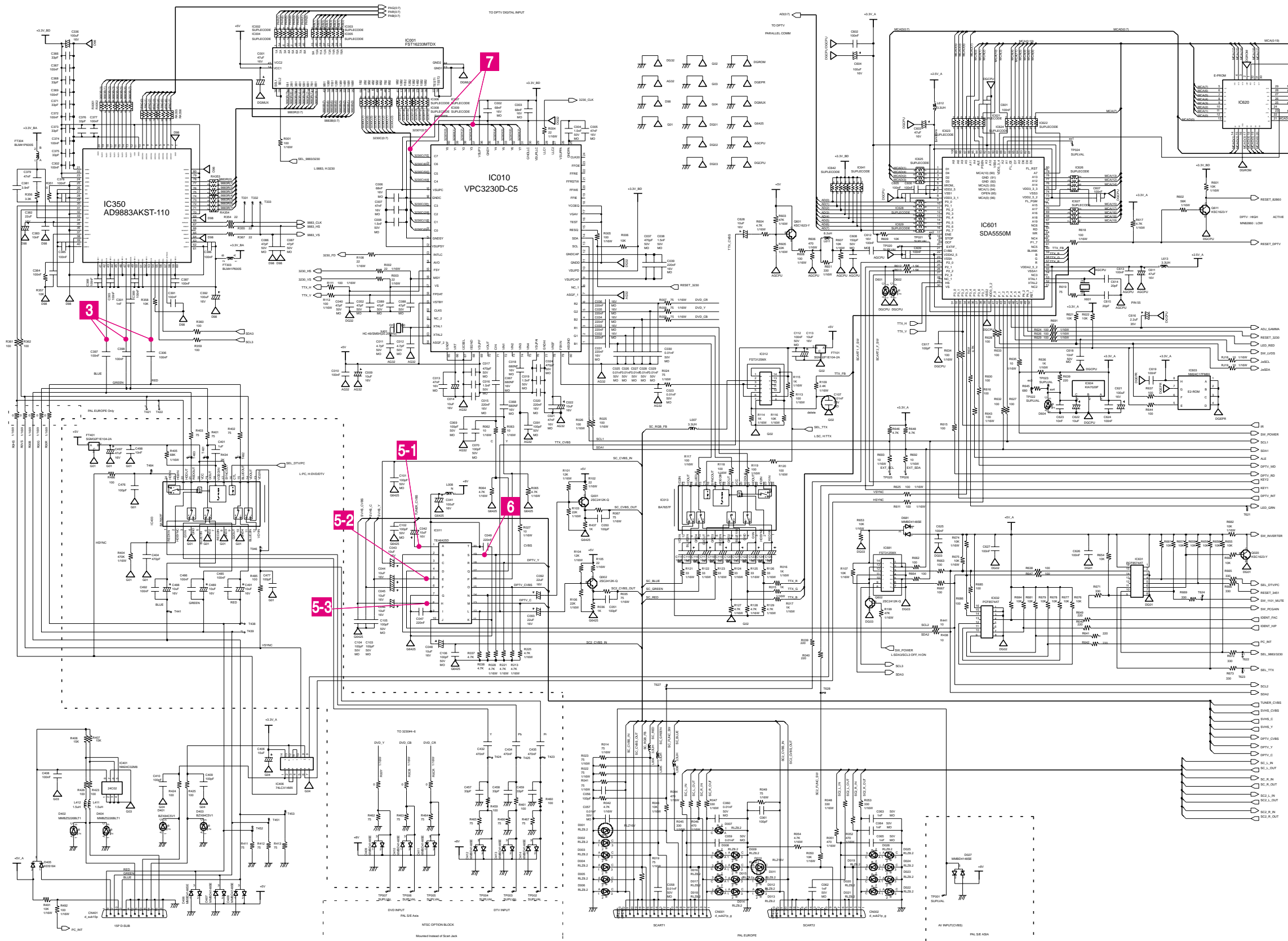
9 Wiring Diagram

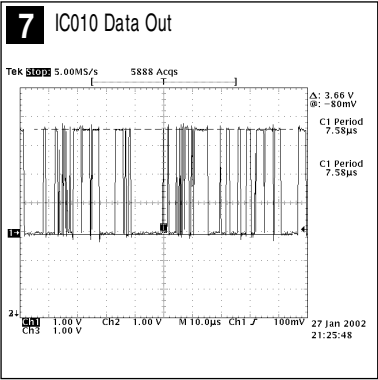
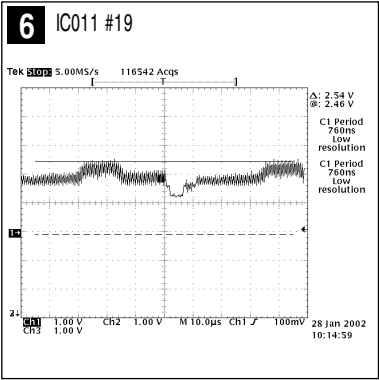
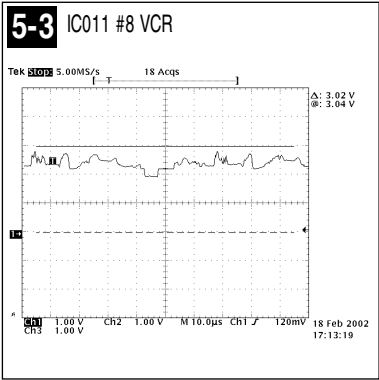
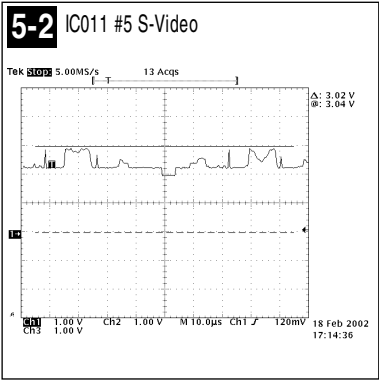
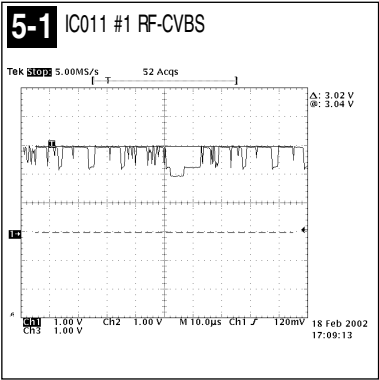
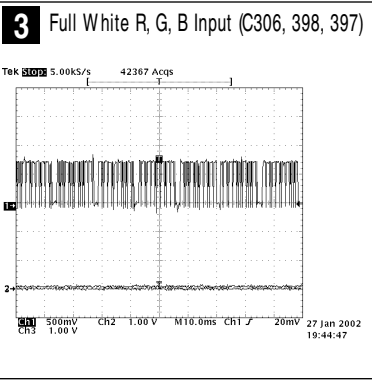


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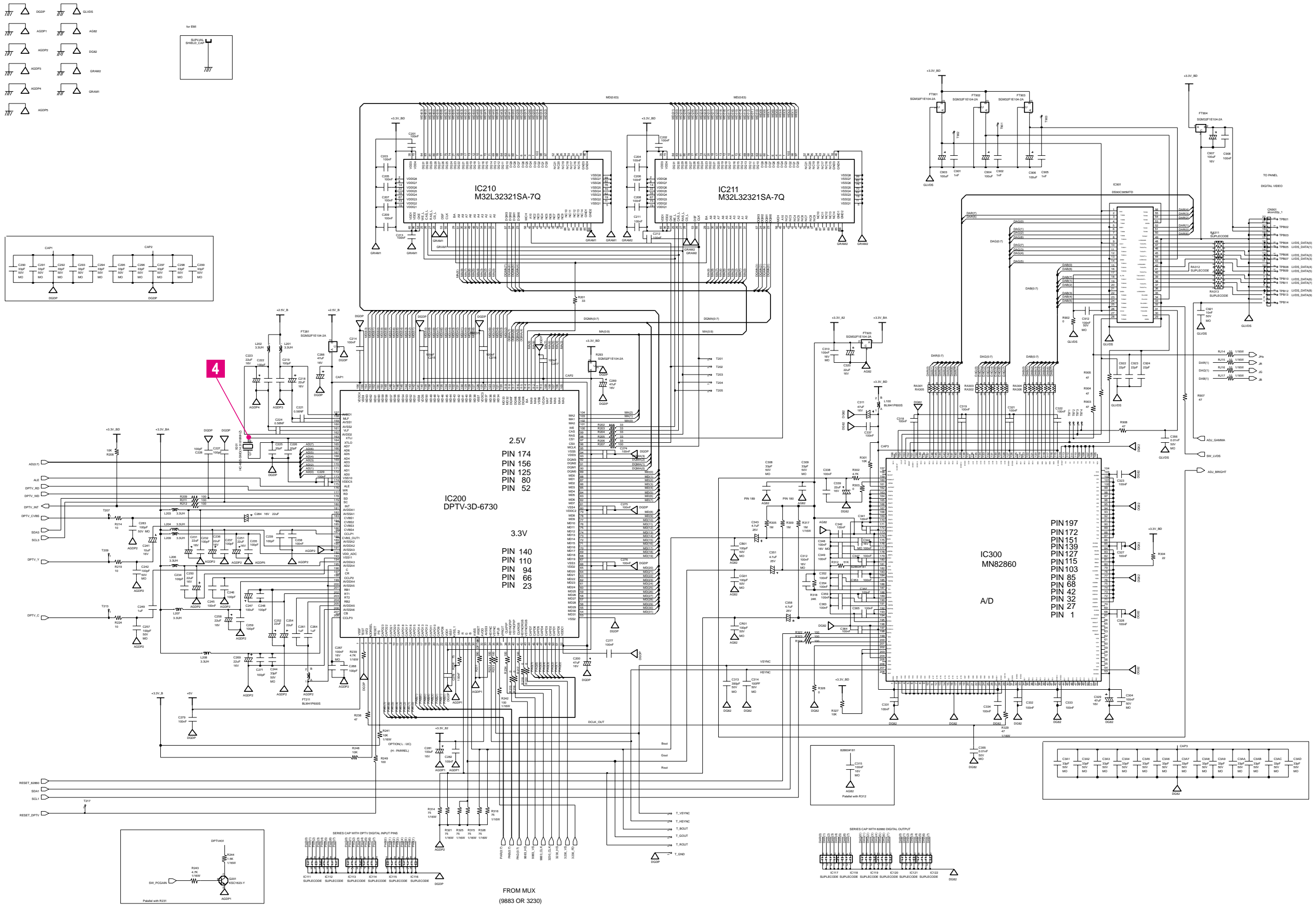
10 Schematic Diagrams

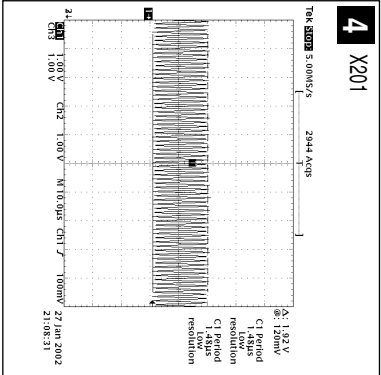
10-1 CPU Block & Signal Processing Part Schematic Diagram





10-2 SCALER & Digital Output Part Schematic Diagram





10-5

