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Service Manual

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PHILIPS

1.Technical Specifications,Connections,and Chassis Overview

Index of this chapter:
1.1 Technical Specifications
1.2 Connections
1.3 Chassis Overview
Notes:
Figures below can deviate slightly from the actual situation, due to the different set executions.
Specifications are indicative (subject to change)

1.1 Technical Specifications

1.1.1 Technical Specifications

Type	: LCD
Outline dimensions	: 626.0 mm(H) x 373.0 mm(V) x 44.1(D) mm (Typ.)(26")
	: 760.0 mm(H) x 450.0 mm(V) x 47.4(D) mm (Typ.)(32")
Pitch (mm)	: 421.5.um(H) x 140.5um(V) (26")
	: 510.75 .um(H) x 170.25um(V)(32")
Pixel format	: 1366 horiz. by 768 vert. pixels
Color pixel arrangement	: RGB vertical stripe
Display surface	: Hard coating(3H),Anti-glare treatment of the front polarizer
Number of color	: 16,777,216 colors (8 bits)
Backlight	: 17 EEFL(26")
	: 16 CCFL(32")
Active area (WxH)	: 575.769mm x 323.712mm (26")
	: 697.68mm X 392.26 mm(32")
View angle	: Viewing angle free(R/L 178(Typ.),U/D 178(Typ.) (26")
	: Viewing angle free(R/L 176(Typ.),U/D 176(Typ.))(32")
Contrast ratio	: Typical 700 : 1(26")
	Typical 1500 : 1(32")
Luminance of white	: 500 cd/m□(Center 1 points, Typ.)
Supported video formats:	720 X 480i 60Hz
	720 X 576i 50Hz
	720 X 480P 60Hz
	720 X 576P 50Hz
	1280X 720P 50Hz
	1280X 720P 60Hz
	1920X1080i 50Hz
	1920X1080i 60Hz
	1920X1080p 50Hz
	1920X1080p 60Hz

1.1.2 Sound

Sound system : 2CS, NICAM B/G (5.5-5.85), NICAM D/K (6.5-5.85), NICAM I (6.0-6.52), stereo for all (should be in line with RF system of each region)
Maximum power:2X5

1.1.3 Miscellaneous

Power supply
AC-input : 90V ~ 264VAC,50/60±2Hz
Power consumption :
Normal:
1.PC Mode TYP 100 W[Smart picture as "Normal"] (with audio)(26")
PC Mode TYP 145 W[Smart picture as "Normal"] (with audio)(32")
2.TV Mode TYP 100 W [Smart picture as "Rich"] (with audio)(26")
TV Mode TYP 145 W [Smart picture as "Rich"] (with audio)(32")
Maximum: 130W (with audio)(26")
170W (with audio)(32")
Power cord length : 1.8M
Power cord type : 3 lead with earth plug , plugable (US type)
Power indicator : LED (On: blue ,Sleeping mode: Amber)
Auto power saving : EPA, Nutek, VESA DPMS

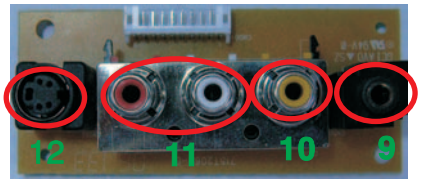
Horizontal scan : 30 ~ 61KHz
Vertical scan : 56 ~ 75 Hz

Ambient conditions:
Ambient temperature: 15°C ~35 °C
Relative humidity : 25% ~ 75%.

1.2 Connections

1.2.1 Signal Connector

Connectors: From Right to Left
1.Tuner: PAL D/K for 93 model
PAL B/G、I and SECAM B/G、D/K for 98 model
PAL D/K、I and NTSC-M for 79 model
2.Compair：Rx/Tx communicate
3.AV1 audio IN : AV1 and S-Video shared audio R/L(RCA jack)
4.AV1 IN : Composite video input (AV1)
5.CVI IN : Component input with YPbPr format with audio R/L.
6.PC audio IN: audio R/L(mini-jack).
7.PC IN: VGA input (D-SUB connectors)
8.DVI-D : digital PC and video input
9.Earphone : earphone jack
10.AV2 IN : Composite video input (AV2 side)
11.AV2 audio IN : AV2 and S-Video side audio R/L(RCA jack)
12.S-Video IN : S-video input (S-Video side)



1.2.2 Input Signal

1.2.2.1 signal type
PC Signal
Analog Video :15 pin D-Sub
0.7 Vp-p linear, positive polarity and separate Sync (TTL level, positive or negative polarity)
Digital Video :24-pin DVI-D connect connector, Single TMDS link according to DVI specification
Audio signal :Mini-jack audio input
TV Signal
RF signal : Aerial or cable via RF connector,
RF input level -10mV (80dBuV) typical, terminated with input impedance of 75Ω.
Transient response: < 250 nS.
Sound (5.5MHz) suppression: > 55dB.
Chroma (4.43MHz) suppression: > 25dB.
Y/C separation: > 20dB.

Support:
China/93 : PAL D/K
AP/98 : PAL B/G、I、SECAM B/G、D/K
AP/79 : PAL B/G、I、NTSC-M

Component Y Pb Pr with RCA connector (Video , Audio input) Specification
Video Y : 700mV, Pb, Pr, : ±350mV,
Impedance : 75Ω
Audio : L/R input
Nominal : 0.5 V rms.
Maximum : 1.5 V rms. Impedance > 10 kΩ
Note : the input will be overloaded when the signal > 1.5 V rms.

Support: 480i/p, 720p/60Hz, 1080i/60Hz

S-Video with S terminal (Video, Audio input) Specification
Video - Y : 1Vpp , C : 300 mV pp
-Impedance : 75Ω.
Audio L/R input (share with Composite Audio input)
Nominal : 0.5 V rms.
Maximum : 1.5 V rms. Impedance > 10 kΩ.
Note : the input will be overloaded when the signal > 1.5 V rms.

Support : PAL, NTSC and SECAM colour system

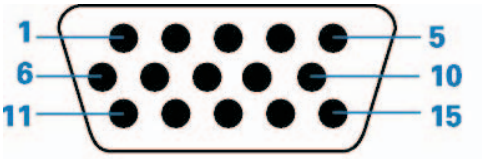
Composite with S terminal (Video, Audio input) Specification
Video - : 700mV Video, 300 mV -Sync
Impedance : 75Ω.
Audio L/R input (share with Composite Audio input)
- Nominal : 0.5 V rms.
Maximum : 1.5 V rms, Impedance > 10 kΩ.
Note : the input will be overloaded when the signal > 1.5 V rms.

Support : PAL, NTSC and SECAM colour system

DVI input with DVI connector, support HDCP Specification
Video - Digital interface with 4 channels TMDS signal
Impedance : 100Ω.
Audio L/R input
- Nominal : 0.5 V rms.
Maximum : 1.5 V rms.-Impedance > 10 KΩ

Support : 480i/p, 720p/60Hz, 1080i/60Hz

D-sub Pin assignment

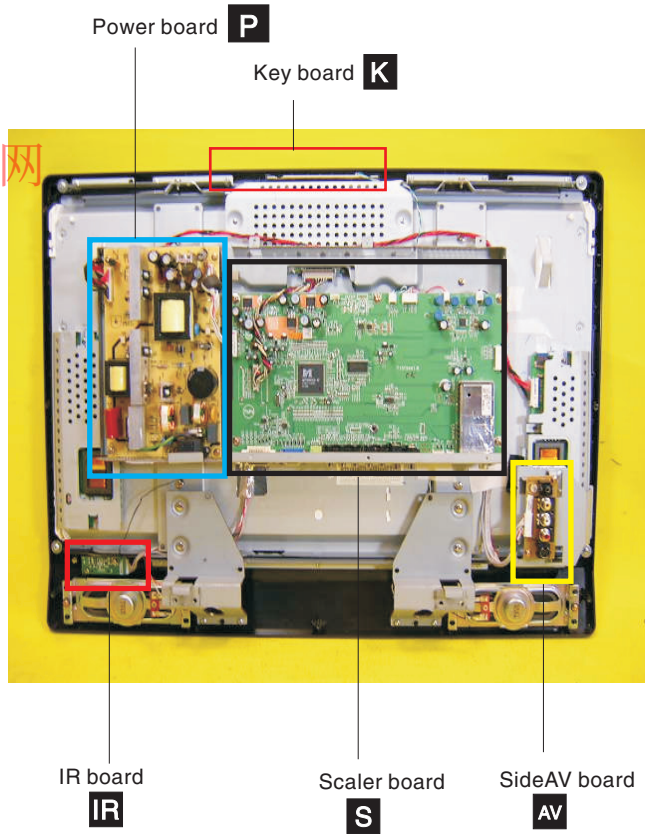


PIN No.	SINGNAL		PIN No.	SINGNAL
1	Red video input		9	DDC +5V
2	Green video input /SOG		10	Logic ground
3	Blue video input		11	GND
4	GND		12	Serial data line (SDA)
5	GND cable detect		13	H. Sync / H+V
6	Red video ground		14	V. Sync
7	Green video ground		15	Data clock line (SCL)
8	Blue video ground			

DVI Pin assignment

PIN No.	SINGAL		PIN No.	SINGAL
1	T.M.D.S. Data2-		13	No connect
2	T.M.D.S. Data2+		14	+5V Power
3	T.M.D.S. Data2/4 Shield		15	Ground (for +5V)
4	No connect		16	Hot Plug Detect
5	No connect		17	T.M.D.S. Data0-
6	DDC Clock		18	T.M.D.S. Data0+
7	DDC Data		19	T.M.D.S. Data0/5 Shield
8	No connect		20	No connect
9	T.M.D.S. Data1-		21	No connect
10	T.M.D.S. Data1+		22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1/3 Shield		23	T.M.D.S. Clock+
12	No connect		24	T.M.D.S. Clock-

1.3 Chassis Overview



2. Safety Instructions, Warnings, and Notes

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2.1 Safety Instructions

Safety regulations require the following **during** a repair:

- Connect the set to the Mains/AC Power via an isolation transformer (> 800 VA).
- Replace safety components, indicated by the symbol ⚠, only by components identical to the original ones. Any other component substitution (other than original type) may increase risk of fire or electrical shock hazard.

Safety regulations require that **after** a repair, the set must be returned in its original condition. Pay in particular attention to the following points:

- Route the wire trees correctly and fix them with the mounted cable clamps.
- Check the insulation of the Mains/AC Power lead for external damage.
- Check the strain relief of the Mains/AC Power cord for proper function.
- Check the electrical DC resistance between the Mains/AC Power plug and the secondary side (only for sets that have a Mains/AC Power isolated power supply):
  1. Unplug the Mains/AC Power cord and connect a wire between the two pins of the Mains/AC Power plug.
  2. Set the Mains/AC Power switch to the "ON" position (keep the Mains/AC Power cord unplugged!).
  3. Measure the resistance value between the pins of the Mains/AC Power plug and the metal shielding of the tuner or the aerial connection on the set. The reading should be between 4.5 Mohm and 12 Mohm.
  4. Switch "OFF" the set, and remove the wire between the two pins of the Mains/AC Power plug.
- Check the cabinet for defects, to prevent touching of any inner parts by the customer.

2.2 Warnings

- All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. Make sure that, during repair, you are connected with the same potential as the mass of the set by a wristband with resistance. Keep components and tools also at this same potential. Available ESD protection equipment:
  – Complete kit ESD3 (small tablemat, wristband, connection box, extension cable and earth cable) 4822 310 10671.
  – Wristband tester 4822 344 13999.
- Be careful during measurements in the high voltage section.
- Never replace modules or other components while the unit is switched "ON".
- When you align the set, use plastic rather than metal tools. This will prevent any short circuits and the danger of a circuit becoming unstable.

2.3 Notes

2.3.1 General

- Measure the voltages and waveforms with regard to the chassis (= tuner) ground (⏚), or hot ground (⏚), depending on the tested area of circuitry. The voltages and waveforms shown in the diagrams are indicative. Measure them in the Service Default Mode (see chapter 5) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz for PAL, or 61.25 MHz for NTSC (channel 3).
- Where necessary, measure the waveforms and voltages with (⊓) and without (⊼) aerial signal. Measure the voltages in the power supply section both in normal operation (⏻) and in stand-by (⏻). These values are indicated by means of the appropriate symbols.
- The semiconductors indicated in the circuit diagram and in the parts lists, are interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.
- Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the “double-D symbol”, are trademarks of Dolby Laboratories.

2.3.2 Schematic Notes

- All resistor values are in ohms, and the value multiplier is often used to indicate the decimal point location (e.g. 2K2 indicates 2.2 kohm).
- Resistor values with no multiplier may be indicated with either an "E" or an "R" (e.g. 220E or 220R indicates 220 ohm).
- All capacitor values are given in micro-farads (μ= x10^{-6}), nano-farads (n= x10^{-9}), or pico-farads (p= x10^{-12}).
- Capacitor values may also use the value multiplier as the decimal point indication (e.g. 2p2 indicates 2.2 pF).
- An "asterisk" (*) indicates component usage varies. Refer to the diversity tables for the correct values.
- The correct component values are listed in the Spare Parts List. Therefore, always check this list when there is any doubt.

2.3.3 Lead-free Solder

Philips CE is producing lead-free sets (PBF) from 1.1.2005 onwards.

Identification: The bottom line of a type plate gives a 14-digit serial number. Digits 5 and 6 refer to the production year, digits 7 and 8 refer to production week (in example below it is 2006 week 17).

E_06532_024.eps
130606

Figure 2-1 Serial number example

Regardless of the special lead-free logo (which is not always indicated), one must treat all sets from this date onwards according to the rules as described below.

Figure 2-2 Lead-free logo

Due to lead-free technology some rules have to be respected by the workshop during a repair:

- Use only lead-free soldering tin Philips SAC305 with order code 0622 149 00106. If lead-free solder paste is required, please contact the manufacturer of your soldering equipment. In general, use of solder paste within workshops should be avoided because paste is not easy to store and to handle.
- Use only adequate solder tools applicable for lead-free soldering tin. The solder tool must be able:
  - To reach a solder-tip temperature of at least 400°C.
  - To stabilise the adjusted temperature at the solder-tip.
  - To exchange solder-tips for different applications.
- Adjust your solder tool so that a temperature of around 360°C - 380°C is reached and stabilised at the solder joint. Heating time of the solder-joint should not exceed ~ 4 sec. Avoid temperatures above 400°C, otherwise wear-out of tips will increase drastically and flux-fluid will be destroyed. To avoid wear-out of tips, switch “off” unused equipment or reduce heat.
- Mix of lead-free soldering tin/parts with leaded soldering tin/parts is possible but PHILIPS recommends strongly **to avoid** mixed regimes. If this cannot be avoided, carefully clear the solder-joint from old tin and re-solder with new tin.
- Use only original spare-parts listed in the Service-Manuals. Not listed standard material (commodities) has to be purchased at external companies.
- For sets produced before 1.1.2005, containing leaded soldering tin and components, all needed spare parts will be available till the end of the service period. For the repair of such sets nothing changes.

In case of doubt whether the board is lead-free or not (or with mixed technologies), you can use the following method:

- Always use the highest temperature to solder, when using SAC305 (see also instructions below).
- De-solder thoroughly (clean solder joints to avoid mix of two alloys).

2.3.4 Alternative BOM identification

In September 2003, Philips CE introduced a change in the way the serial number (or production number, see Figure 2-1) is composed. From this date on, the **third digit** in the serial number (example: AG**2**B0335000001) indicates the number of the alternative BOM (Bill of Materials used for producing the specific model of TV set). It is possible that the same TV model on the market is produced with e.g. two different types of displays, coming from two different O.E.M.s.
By looking at the third digit of the serial number, the service technician can see if there is more than one type of B.O.M. used in the production of the TV set he is working with. He can then consult the At Your Service Web site, where he can type in the Commercial Type Version Number of the TV set (e.g. 28PW9515/12), after which a screen will appear that gives information about the number of alternative B.O.M.s used.
If the third digit of the serial number contains the number 1 (example: AG**1**B033500001), then there is only one B.O.M. version of the TV set on the market. If the third digit is a 2 (example: AG**2**B0335000001), then there are two different B.O.M.s. Information about this is important for ordering the correct spare parts!
For the third digit, the numbers 1...9 and the characters A...Z can be used, so in total: 9 plus 26 = 35 different B.O.M.s can be indicated by the third digit of the serial number.

2.3.5 Board Level Repair (BLR) or Component Level Repair (CLR)

If a board is defective, consult your repair procedure to decide if the board has to be exchanged or if it should be repaired on component level.
If your repair procedure says the board should be exchanged completely, do not solder on the defective board. Otherwise, it cannot be returned to the O.E.M. supplier for back charging!

2.3.6 Practical Service Precautions

- **It makes sense to avoid exposure to electrical shock.** While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.
- **Always respect voltages**. While some may not be dangerous in themselves, they can cause unexpected reactions that are best avoided. Before reaching into a powered TV set, it is best to test the high voltage insulation. It is easy to do, and is a good service precaution.

3. Directions for User

You can download this information from the following websites:
http://www.philips.com/support
http://www.p4c.philips.com

OSD Menu list

PC Mode			
1st Layer	2nd Layer	3rd Layer	4th Layer
Picture	Color temp	Normal	
		Warm	
		Cool	
	Brightness		
	Contrast		
	Auto adjust	Yes	
	Manual adjust	Phase	
		Clock	
		Horizontal	
		Vertical	
Sound	Smart sound	Personal	
		Speech	
		Music	
		Movie	
		Multimedia	
	Settings	Treble	
		Bass	
		Balance	
	Virtual surround	On	
		Off	
	AVL	On	
		Off	
Features	Picture format	Full screen	
		4:3	
Install	Language	English	
		中文	
		Thai	
		Arabic	
	Factory reset	No	
		Yes	

TV / AV/ S-VIDEO / HD MODE				
1st Layer	2nd Layer	3rd Layer	4th Layer	5th Layer
Picture	Smart picture	Personal		
		Rich		
		Nature		
		Soft		
		Multimedia		
	Contrast			
	Brightness			
	Color			
	Sharpness			
	Tint			
	Color temp	Normal		
		Warm		
		Cool		
	Picture format	Super zoom		
		4:3		
		Movie expand 14:9		
		Movie expand 16:9		
		16:9 subtitle		
		Widescreen		
Sound	Smart sound	Personal		
		Speech		
		Music		
		Movie		
		Multimedia		
	Settings	Treble		
		Bass		
		Balance		
	Virtual surround	On		
		Off		
	AVL	On		
		Off		
Features	Timer	Clock		
		Start time		
		Stop time		
		Sleep timer		
	NR	On		
		Off		
	Auto lock	Lock program		
		Change code	Enter New Code	Confirm Code
		Clear all	Start ?	
	Source list	TV		
		CVI		
		AV1		
		AV2 (side)		
		PC		
		DVI		

Install	Language	English		
		中文		
		Thai		
		Arabic		
	Auto store	Start ?	Auto store	
			Please wait	
			Prog. found	
			Frequency	
	Manual store	Manual store	MHz	
			Start ?	
		Prog. no		
		Finetune		
		Store	Store ?	
			Stored	
	Channel setting	Channel edit	Channel	
			Skipped	Active
				Skipped
		Channel swap	From	
			To	
			Exchange	Exchange ?
				Exchanged
		Name edit	Channel	
			Name	
		Channel sort	Sort ?	Sorting □ □
				Sort complete
	Factory reset	No		
		Yes		

4. Mechanical Instructions

Index of this chapter:

4.1 Assy/Panel Removal

Notes: Please put your machine on soft material to avoid to scrape panel when you disassemble it.

Front view

Fig.1

Back view

Fig.2

Step 1. Remove the stand.
Remove the four screws as Fig.2.

Step 2. Remove the Back cover assy.
Remove the 10 screws on the bottom side as Fig.3.

Fig.3

Step 3. Remove the Vase plate and Bracket-base.
Remove the 14 screws on the bottom side as Fig.4.

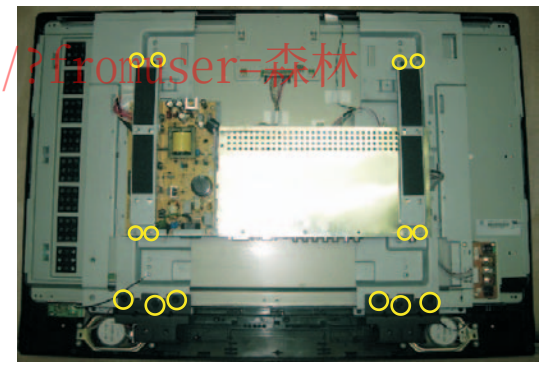


Fig.4

Step 4. Remove shielding.
Remove 10 screws as Fig.5 and remove 10 screws as Fig6.

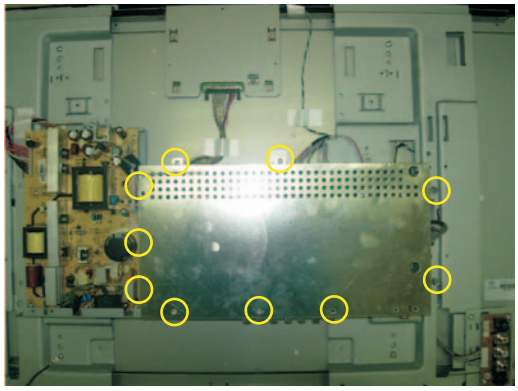


Fig.5

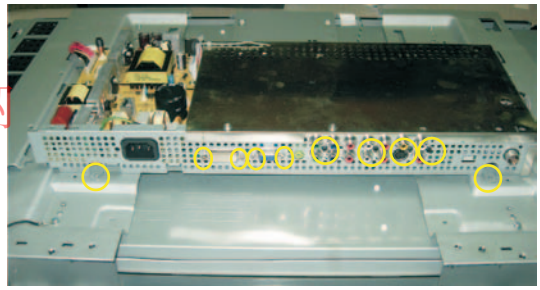


Fig.6

Step 5. Remove Scaler board, Power board, SideAV board and IR board.
Remove 17 screws as Fig.7.

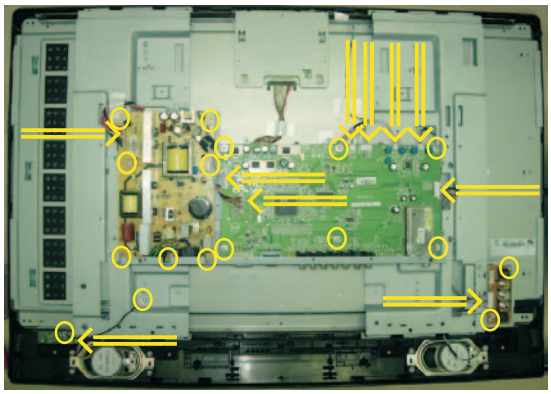


Fig.7

Step 6. Remove frame-PCB.
Remove 7 screws as Fig.8.

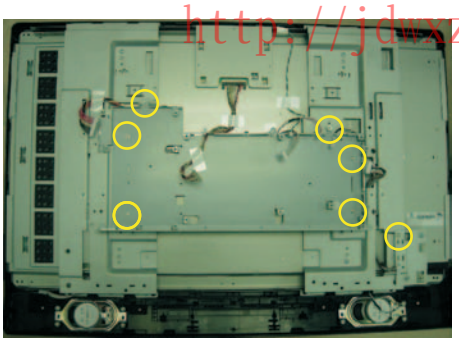


Fig.8

Step 7. Remove Metal frame.
Remove 16 screws as Fig.9.

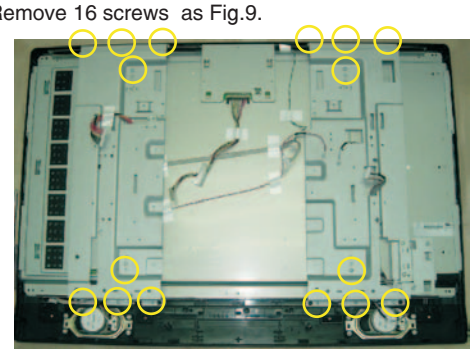


Fig.9

Step 8. Remove Metal frame.
Remove 4 screws as Fig.10.

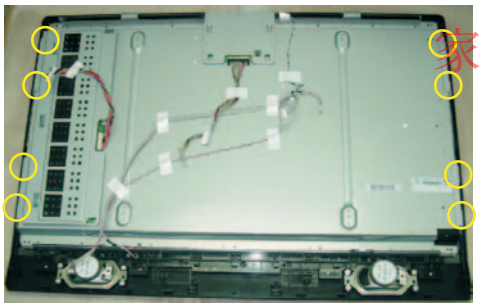


Fig.10

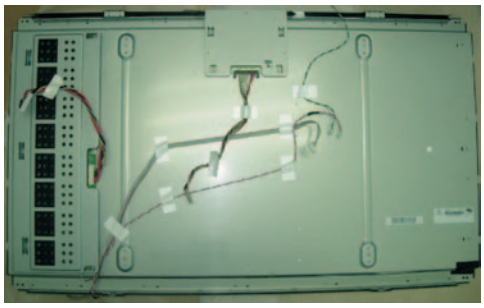


Fig.11

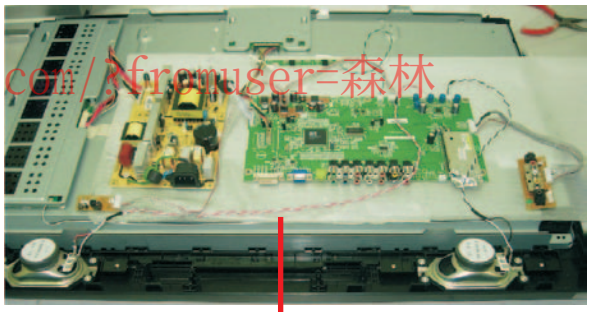


Fig.12

Service Position

4.2 Set Re-assembly

To re-assemble the whole set, execute all processes in reverse order.

Notes:
a. While re-assembling, make sure that all cables are placed and connected in their original position.
b. Pay special attention not to damage the EMC foams at the SSB shielding. Check that EMC foams are put correctly on their places.

****

In warranty, it is not allowed to disassembly the LCD panel, even the backlight unit defect.

Out of warranty, the replacment of backlight unit is a correct way when the defect is cused by backlight (CCFL,Lamp).

****

5. Service Modes, Error Codes and Fault Finding

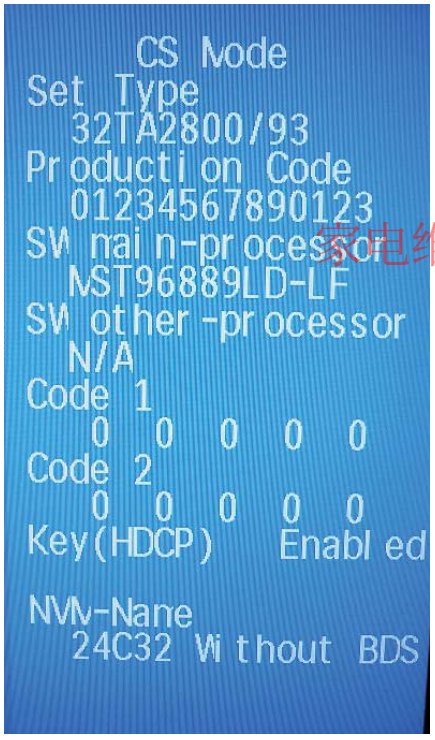
index of this chapter:

5.1 CSM

It can display CSM windows message when press Menu+123654 on the button (RC) remote control in normal operation mode. Then choose The following information is displayed on screen:

CSM Item	Contents	Remark
1: Set Type	32TA2800/93	Project name
2: Production code	01234567890123	14 digit production-code(serial number)
3: SW-naming main-processor	MST96889LD-LF	SW-naming of Mstar/Trident
4: Code 1	0 0 0 0 0	Error codes in NVM/EEPROM (5 last logged errors)
5: Code 2	0 0 0 0 0	Error codes in NVM/EEPROM (5 first logged errors)
6: Key (HDCP)	Enabled	HDMI information whether HDCP-key is valid
7: NVM-naming	24C32-Without-BDS	Contents per display-type

The real picture as below:



About error code,Please refer to the table below.

Error code	Event
0x01	DDR error
0x02	IIC bus error
0x03	Tuner error
0x04	Demod error

5.2 Factory Mode

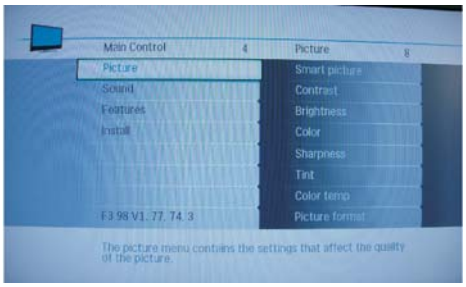
It can enter Factory Mode
1. Press" Menu▪ in normal operation mode to enter OSD.
2. Press "062596+Menu▪on the button (RC) remote control in OSD.
3. The screen will appear F3 content in the bottom, choose it and press the right key.

OSD behavior:
Before press number key change OSD item
Now remove previous function, press number key then press OK will change value

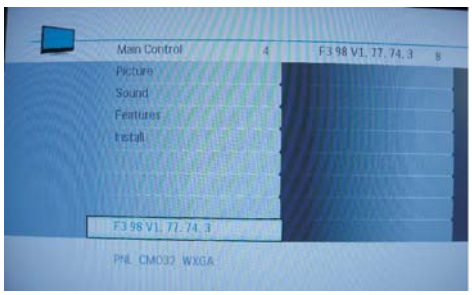
	Item	Description	Range	method of operation
	//Action Items			
0	Exit Factory			press OK.
1	AutoColor	PC: any pattern has black and white YPbPr:SMPTEbar(color bar), any timing.		press OK. when autocolor, the OSD disappear, when finished. OSD appear.
	//Switch Items			
2	Power On			On/Off
3	AGING MODE	turn<On> and no signal input		On/Off
	//ADC Gain & Offset	(values different by VGA and YPbPr) AutoColor changes those items		
4	ADC_GAIN_R		0~255	Press Left and Right to change value
5	ADC_GAIN_G		0~255	
6	ADC_GAIN_B		0~255	
7	ADC_OFFSET_R		0~127	
8	ADC_OFFSET_G		0~127	
9	ADC_OFFSET_B		0~127	
	//Color Temperature	(values different by AV,VGA,DTV,YPbPr)		
10	CLR_TEMP_R	Back-End Scaler R G B Gain	0~255	Press Left and Right to change value
11	CLR_TEMP_G		0~255	
12	CLR_TEMP_B		0~255	
	//Tuner & Panel Id			
13	EEPROM ID	value different by type		

The below pictures is for your reference:

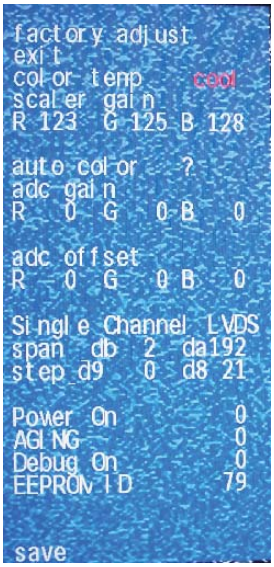
Step1: press MENU+062596 in user mode.



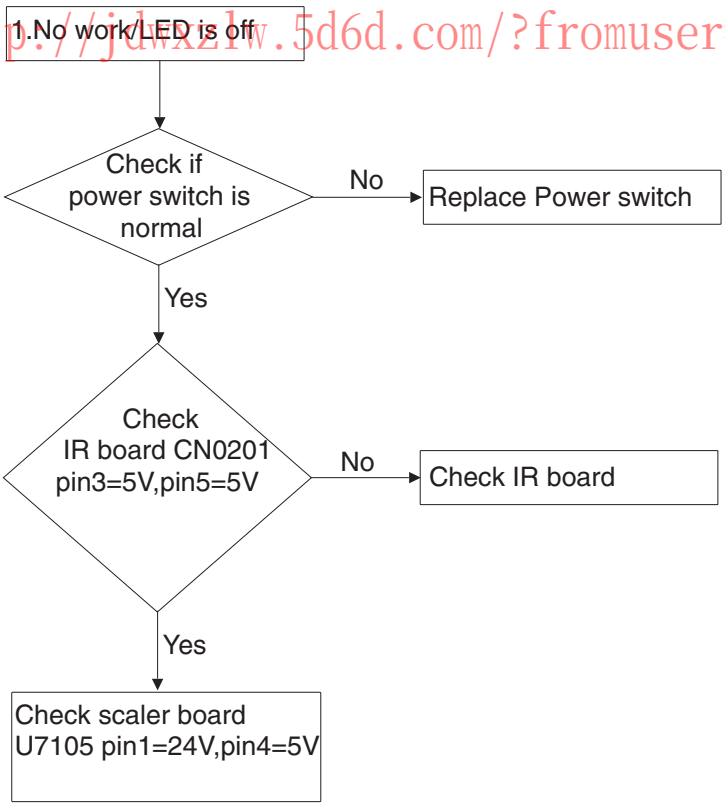
Step2: choose F3 98 V1.77.74.3,press the right key, then enter the factory mode.

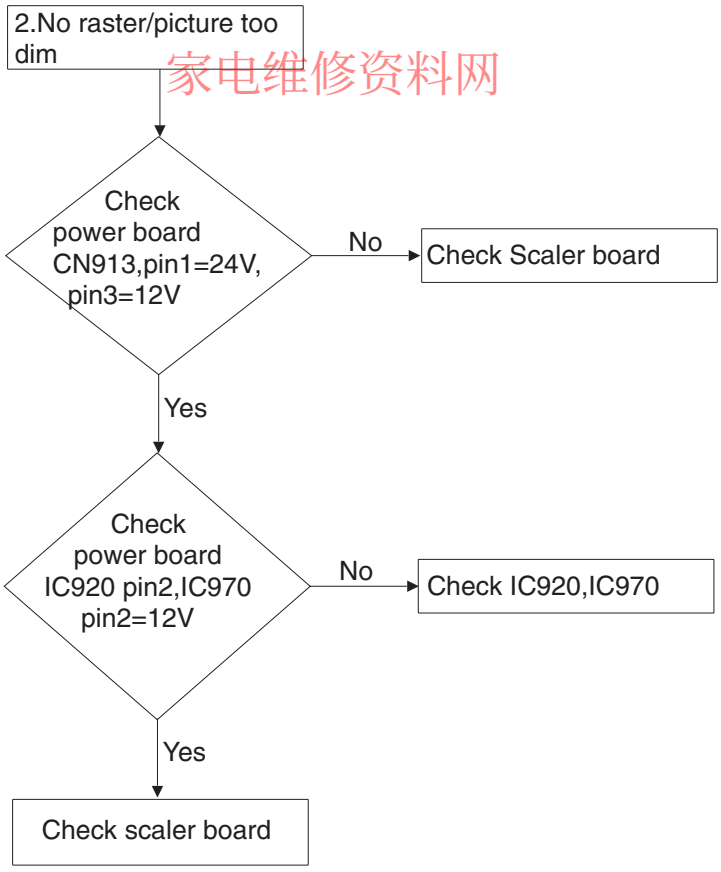


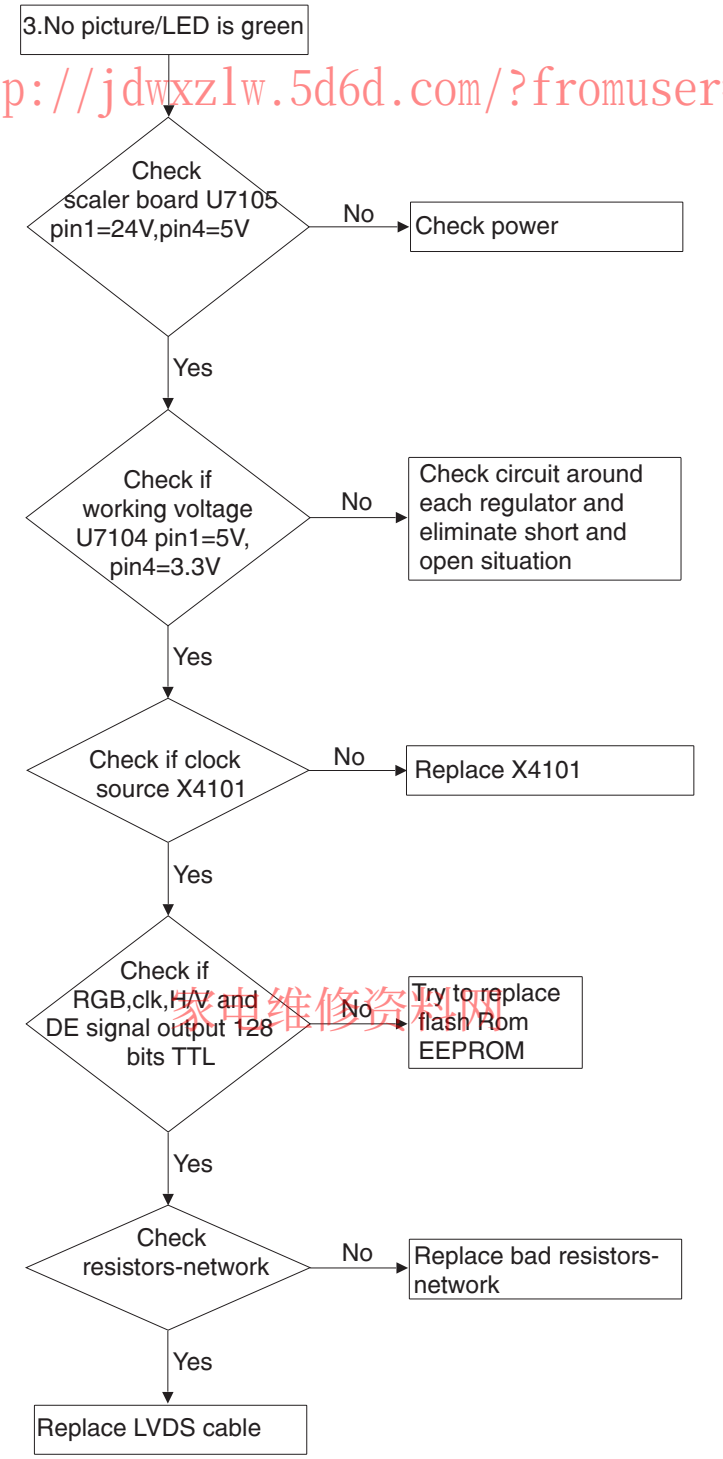
The factory content:

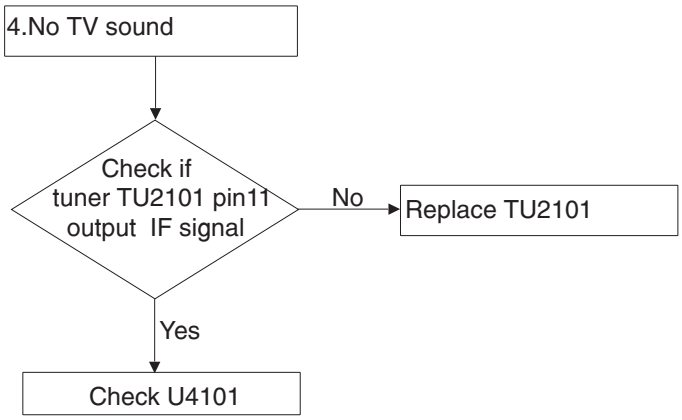


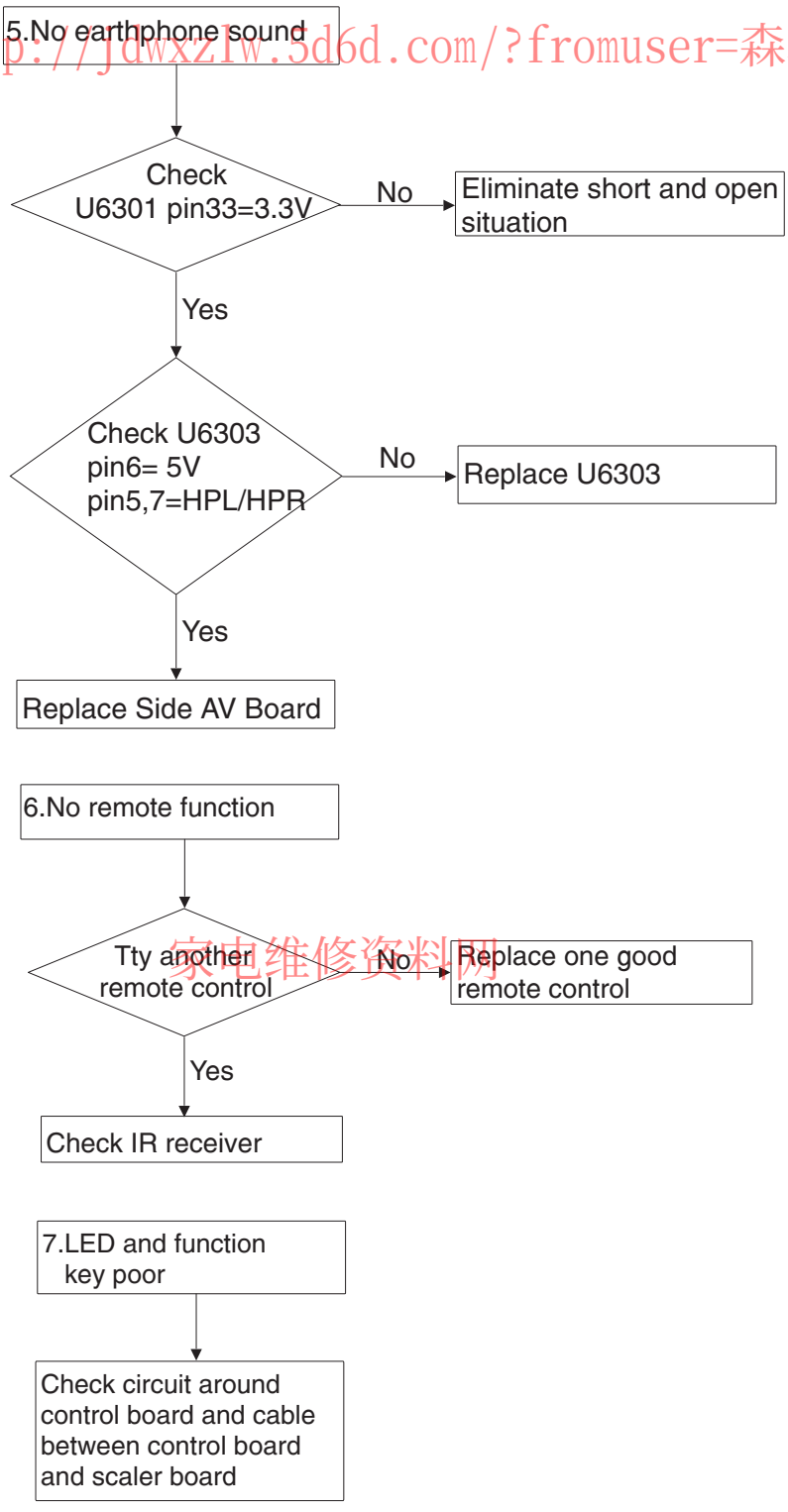
5.3 Repair Flow Chart









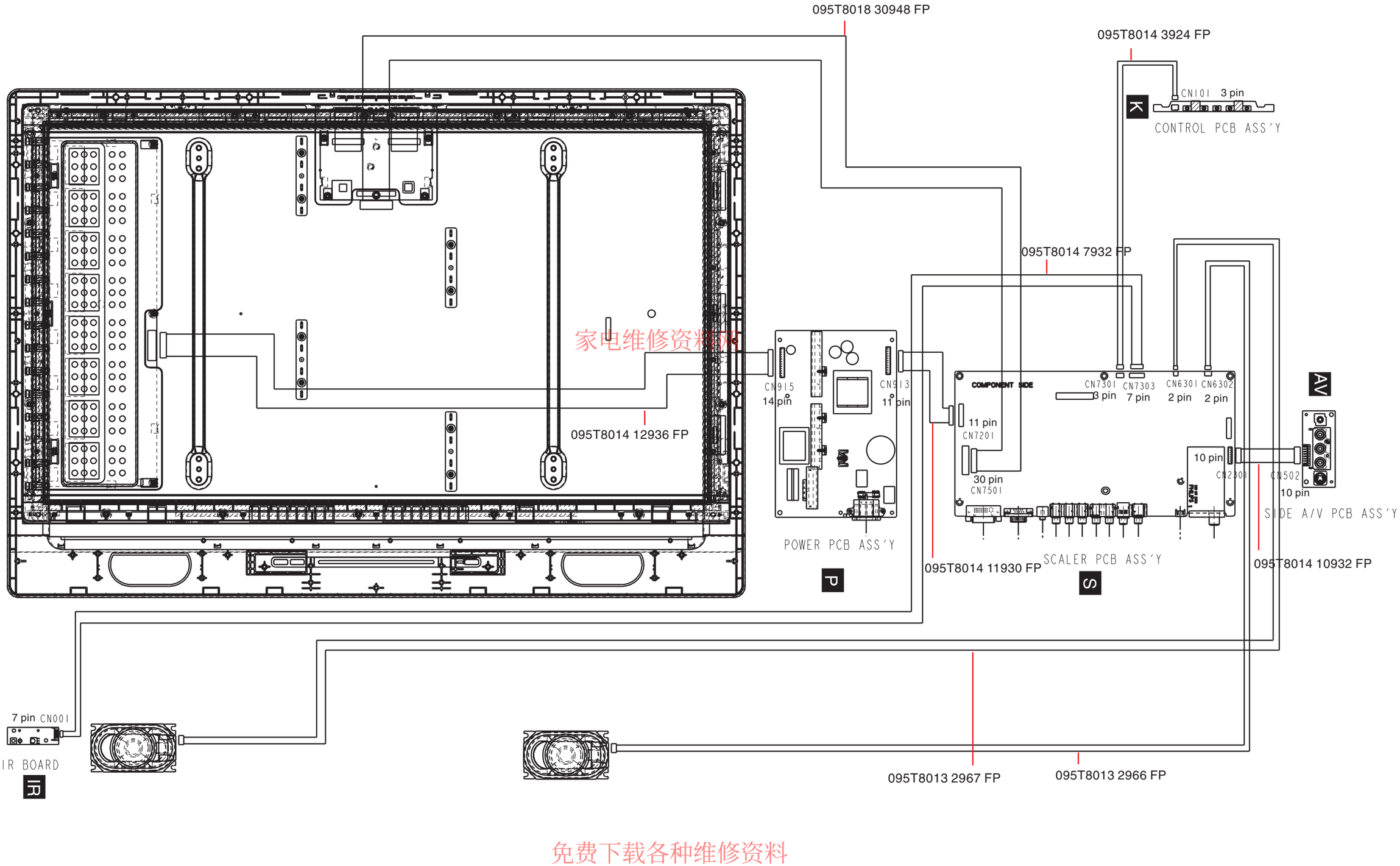


6. Block Diagram

Index of this chapter:

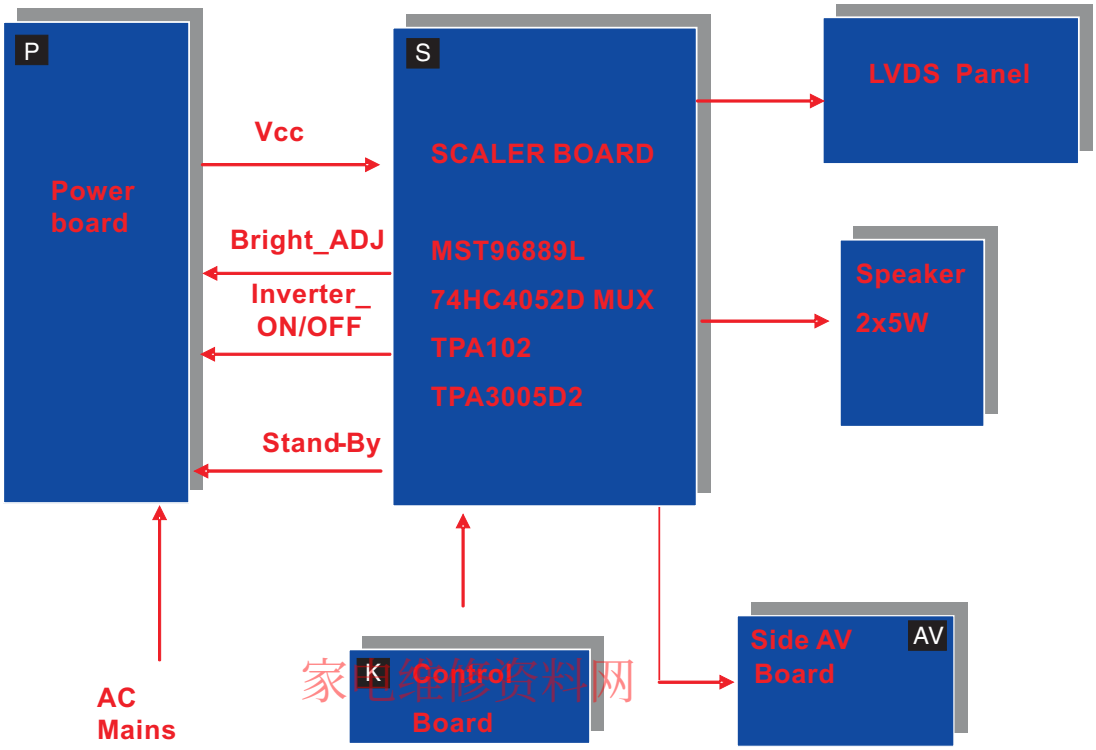
6.1 Wiring Diagram

26TA2800 & 32TA2800 Wiring Diagram



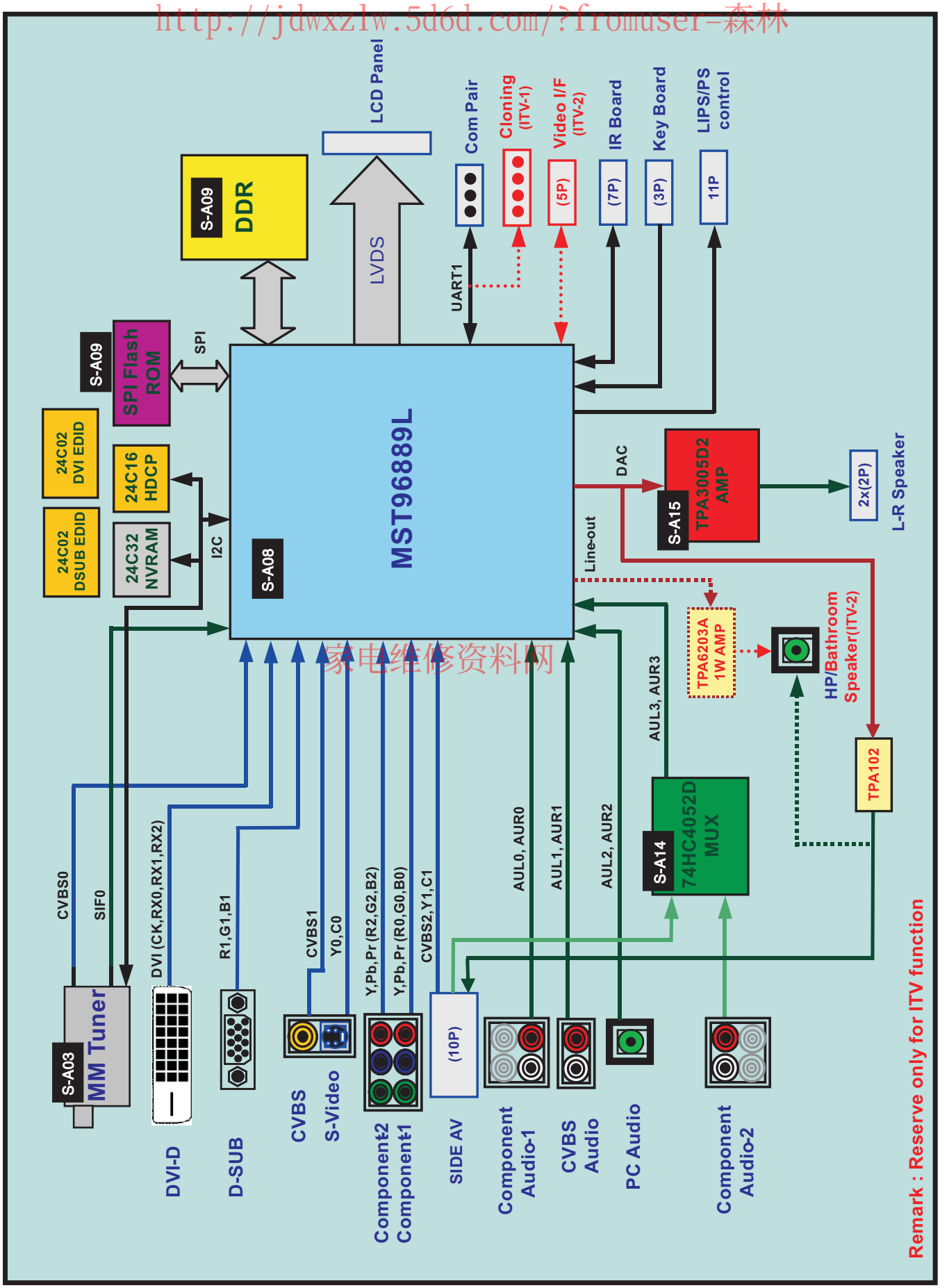
6.2 Block Diagram

26" Wide, 32" Wide architecture Block Diagram

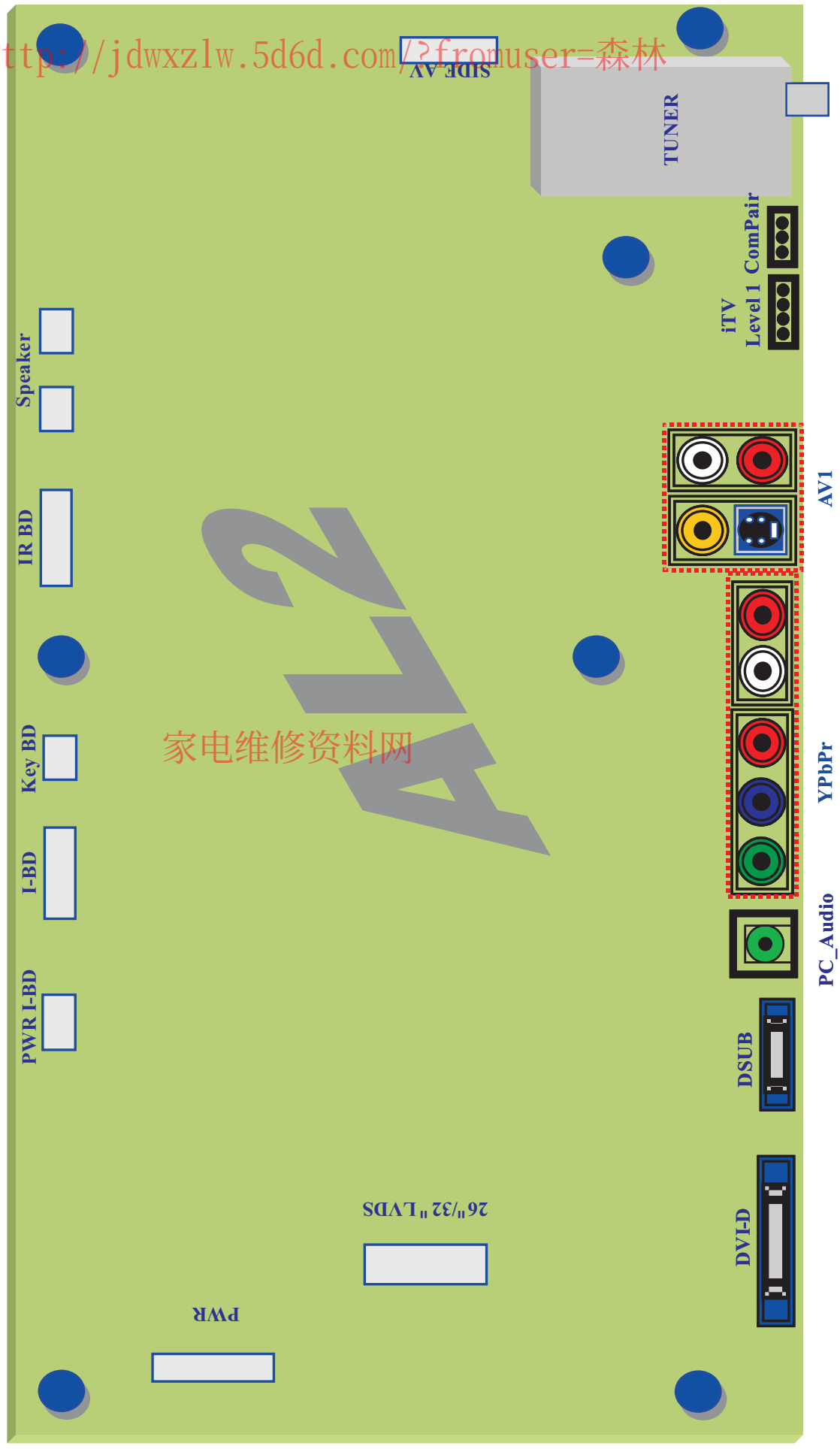


6. Block Diagram

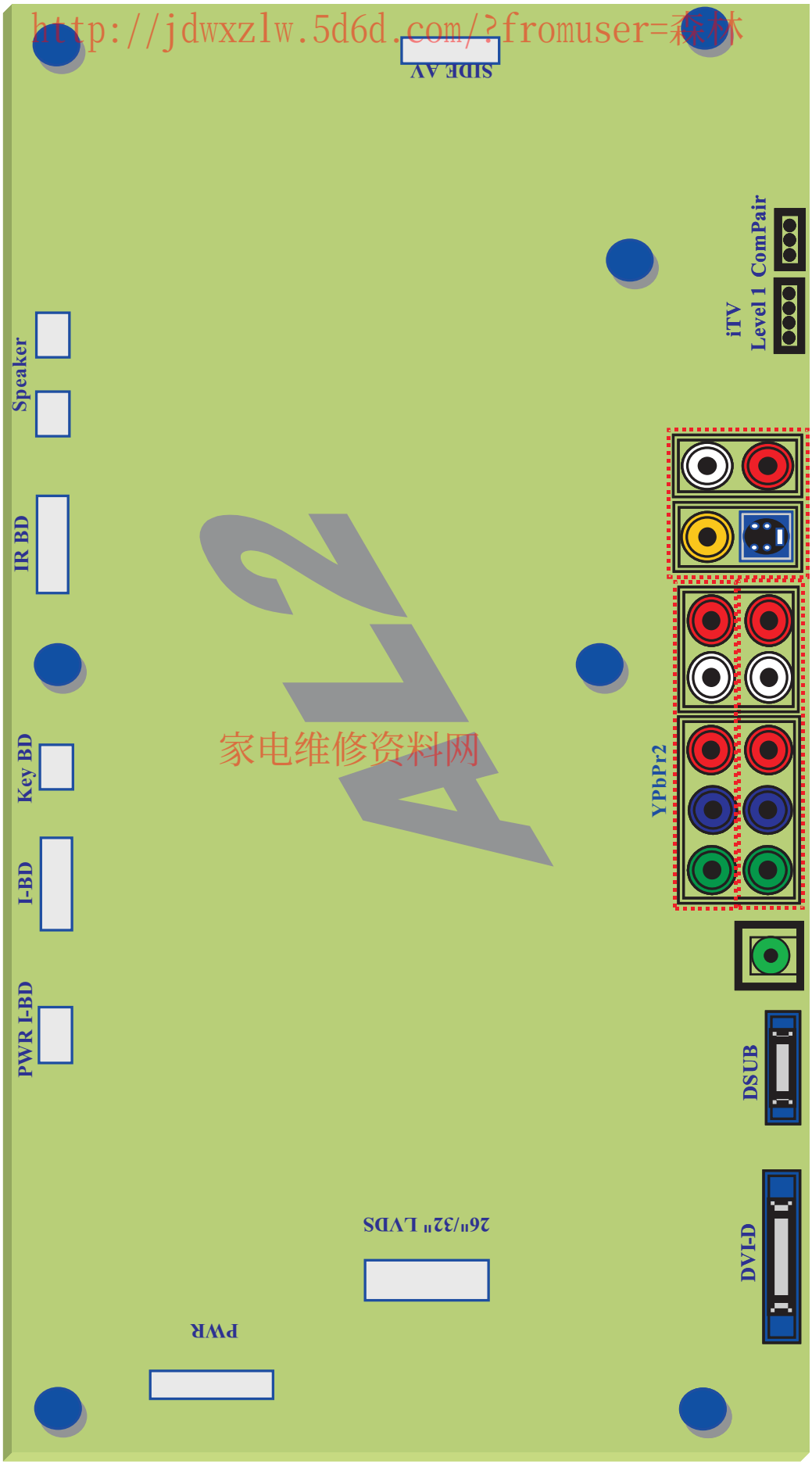
Function Block of main Board



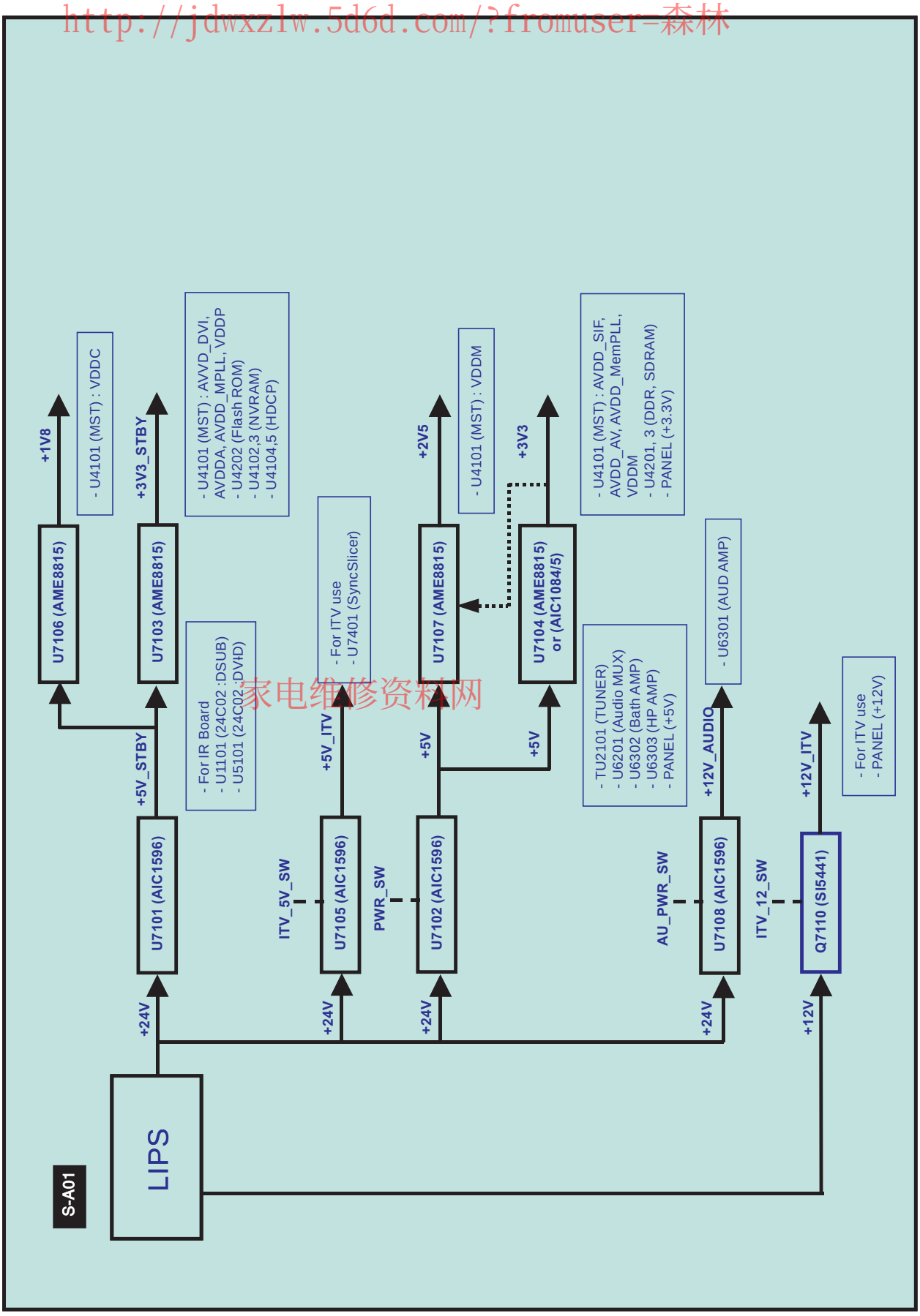
26TA2800 BLOCK DIAGRAM



32TA2800 BLOCK DIAGRAM

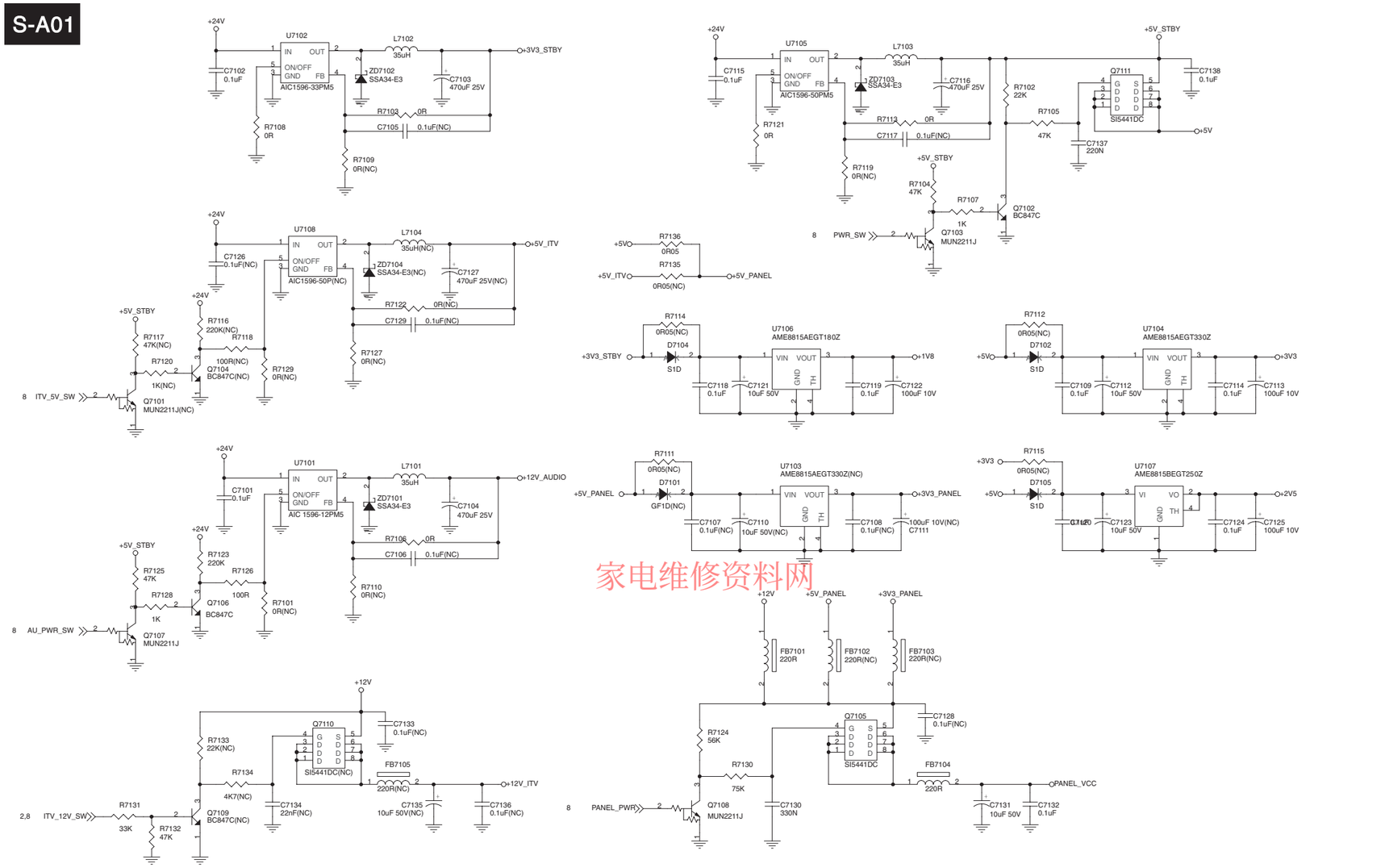


Power management



Scaler Board Schematic Diagram - Power

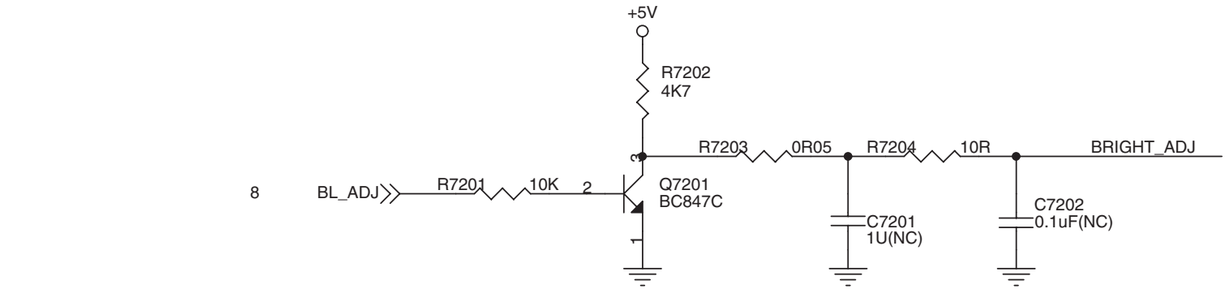
S-A01

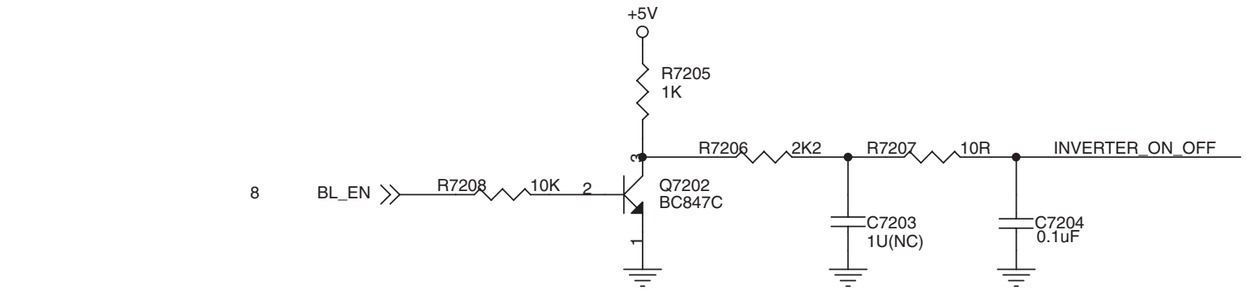


C7101 D2 C7102 A2
C7103 A3 C7104 D4
C7105 A3 C7106 D3
C7107 D5 C7108 D6
C7109 C8 C7110 D6
C7111 D7 C7112 C8
C7113 C9 C7114 C9
C7115 A5 C7116 A7
C7117 A7 C7118 C5
C7119 C6 C7120 D8
C7121 C6 C7122 C7
C7123 D8 C7124 D9
C7125 D9 C7126 B2
C7127 B4 C7128 E7
C7129 C3 C7130 F6
C7131 F7 C7132 F7
C7133 E3 C7134 F2
C7135 F3 C7136 F4
C7137 B8 C7138 A9
D7101 D5 D7102 C7
D7104 C5 D7105 D7
FB7101 E6 FB7102 E6
FB7103 E7 FB7104 F7
FB7105 F3 L7101 D3
L7102 A3 L7103 A7
L7104 B3 Q7101 C1
Q7102 B7 Q7103 B7
Q7104 C2 Q7105 E6
Q7106 E2 Q7107 E1
Q7108 F5 Q7109 F2
Q7110 E3 Q7111 A8
R7101 D2 R7102 A7
R7103 A3 R7104 B7
R7105 A8 R7106 D3
R7107 B7 R7108 A2
R7109 B3 R7110 D3
R7111 D5 R7112 C7
R7113 A7 R7114 C5
R7115 D7 R7116 C2
R7117 C1 R7118 C2
R7119 B6 R7120 C2
R7121 A6 R7122 C3
R7123 D2 R7124 E5
R7125 D1 R7126 D2
R7127 C3 R7128 E2
R7129 C2 R7130 F5
R7131 F1 R7132 F2
R7133 E2 R7134 F2
R7135 B5 R7136 B5
U7101 D3 U7102 A2
U7103 D6 U7104 C8
U7105 A6 U7106 C6
U7107 D8 U7108 B3
ZD7101 D3 ZD7102 A3
ZD7103 A6 ZD7104 B3

Scaler Board Schematic Diagram - Lips & Inverter I/F

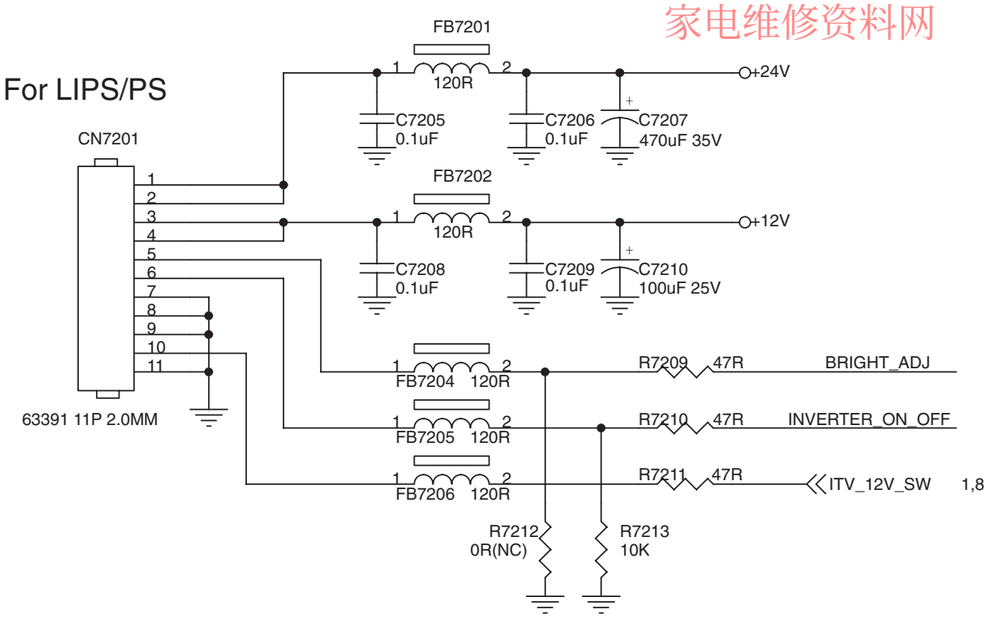
S-A02





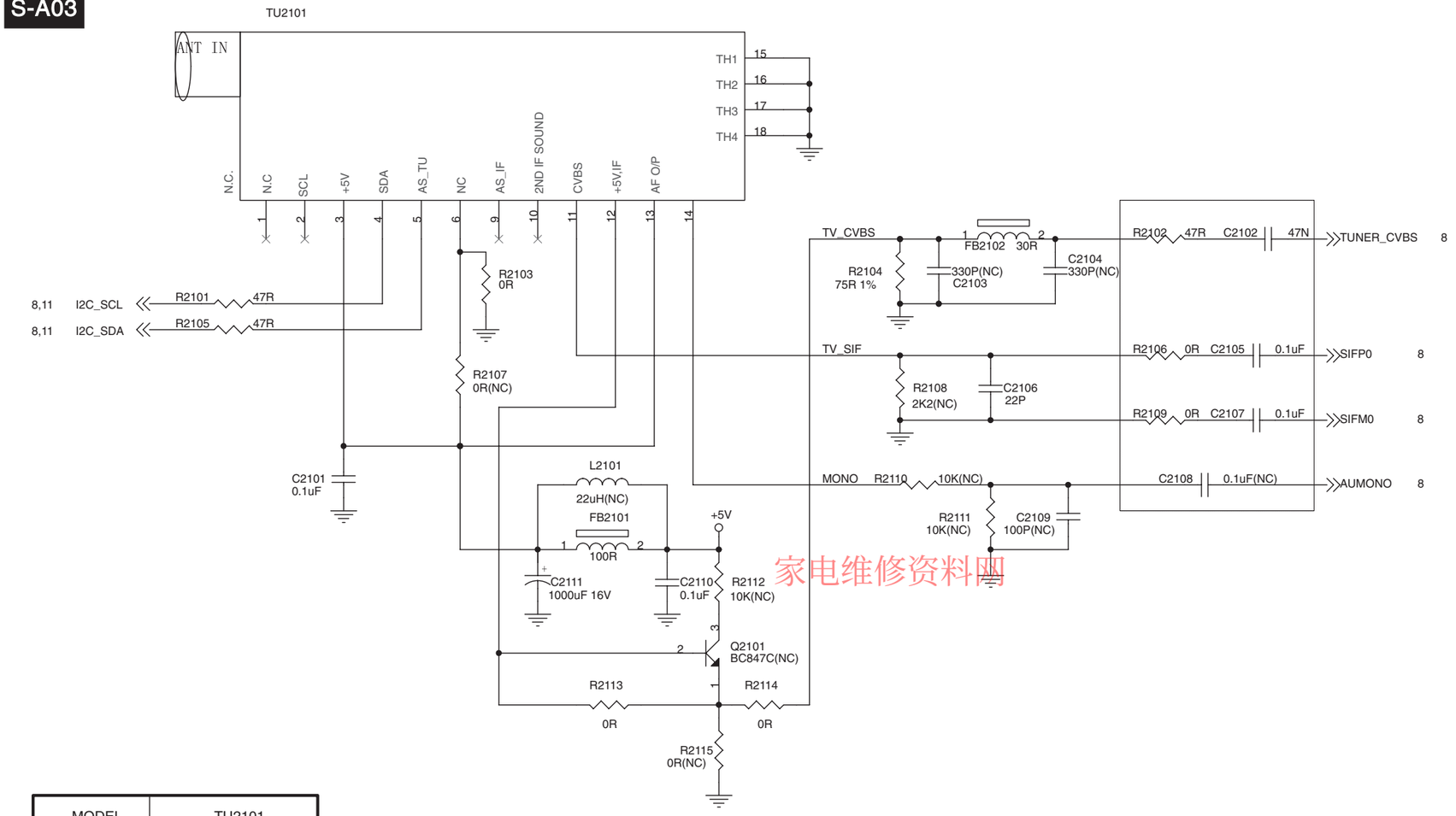
CN7201 C2
C7201 A4
C7202 A4
C7203 B4
C7204 B4
C7205 C2
C7206 C3
C7207 C3
C7208 C2
C7209 C3
C7210 C3
FB7201 C3
FB7202 C3
FB7204 D3
FB7205 D3
FB7206 D3
Q7201 A3
Q7202 B3
R7201 A3
R7202 A3
R7203 A3
R7204 A4
R7205 B3
R7206 B3
R7207 B4
R7208 B3
R7209 D3
R7210 D3
R7211 D3
R7212 D3
R7213 D3

For LIPS/PS



Scaler Board Schematic Diagram - Tuner

S-A03

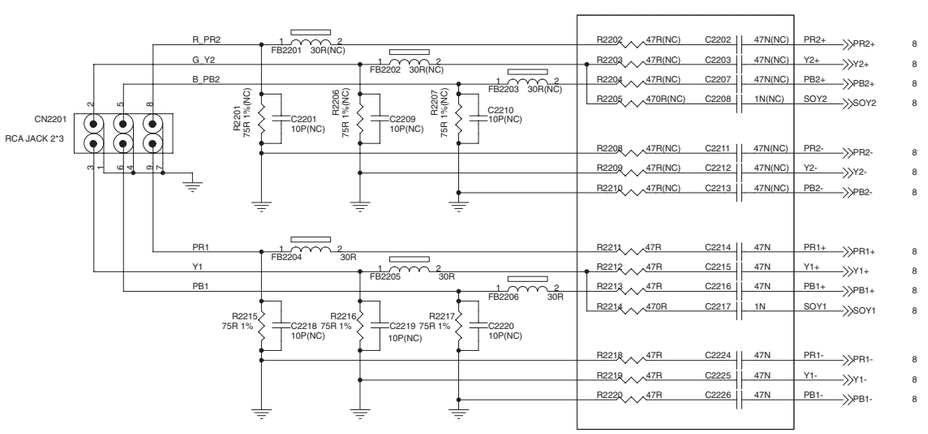


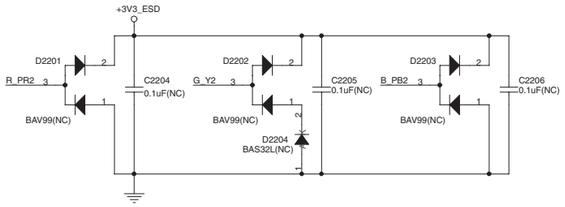
C2101 C2
C2102 B6
C2103 B4
C2104 B5
C2105 B6
C2106 B5
C2107 B6
C2108 C6
C2109 C5
C2110 C3
C2111 C3
FB2101 C3
FB2102 B5
L2101 C3
Q2101 C3
R2101 B2
R2102 B5
R2103 B3
R2104 B4
R2105 B2
R2106 B5
R2107 B2
R2108 B4
R2109 B5
R2110 C4
R2111 C5
R2112 C4
R2113 C3
R2114 C4
R2115 D4
TU2101 A1

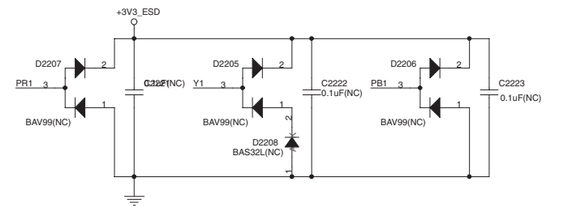
MODEL	TU2101
CHINA (/93)	FQ1256 MK5
AP (/98)	FQ1216ME MK5
AP (/79)	FQ1216PN MK5

Scaler Board Schematic Diagram - Video Input 1

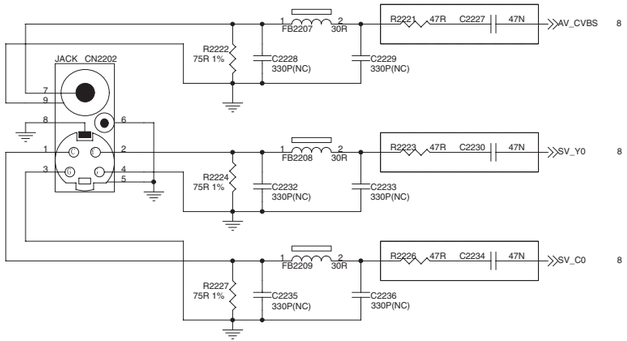
S-A04



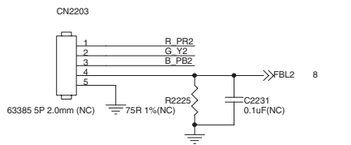




CN2201 B1 CN2202 D1
CN2203 E7 C2201 B2
C2202 A5 C2203 A5
C2204 A7 C2205 A8
C2206 A9 C2207 A5
C2208 A5 C2209 B3
C2210 B3 C2211 B5
C2212 B6 C2213 B5
C2214 B5 C2215 B5
C2216 B5 C2217 C5
C2218 C2 C2219 C3
C2220 C3 C2221 C7
C2222 C8 C2223 C9
C2224 C5 C2225 C5
C2226 C5 C2227 D4
C2228 D3 C2229 D3
C2230 E4 C2231 E8
C2232 E3 C2233 E3
C2234 E4 C2235 F3
C2236 F3 D2201 A6
D2202 A7 D2203 A9
D2204 B8 D2205 C7
D2206 C8 D2207 C6
D2208 C8 FB2201 A2
FB2202 A3 FB2203 A3
FB2204 B2 FB2205 B3
FB2206 B3 FB2207 D3
FB2208 E3 FB2209 E3
R2201 B2 R2202 A4
R2203 A4 R2204 A4
R2205 A4 R2206 B3
R2207 B3 R2208 B4
R2209 B4 R2210 B4
R2211 B4 R2212 B4
R2213 B4 R2214 C4
R2215 C2 R2216 C3
R2217 C3 R2218 C4
R2219 C4 R2220 C4
R2221 D3 R2222 D2
R2223 E3 R2224 E2
R2225 E7 R2226 E3



For BS Model



Scaler Board Schematic Diagram - Side AV

S-A05

CN2301

63370 10P 2.0MM

R2302 100R

C2302 100P(NC)

HP_DET 8

FB2302 30R

R2304 75R 1%

C2304 330P(NC)

C2305 330P(NC)

R2303 47R C2303 47N

SIDE_CVBS 8

FB2303 30R

R2306 75R 1%

C2307 330P(NC)

C2308 330P(NC)

R2305 47R C2306 47N

SIDE_SV_C1 8

FB2301 30R

R2301 75R 1%

C2301 330P(NC)

C2310 330P(NC)

R2307 47R C2309 47N

SIDE_SV_Y1 8

SIDE_AU_INL 14

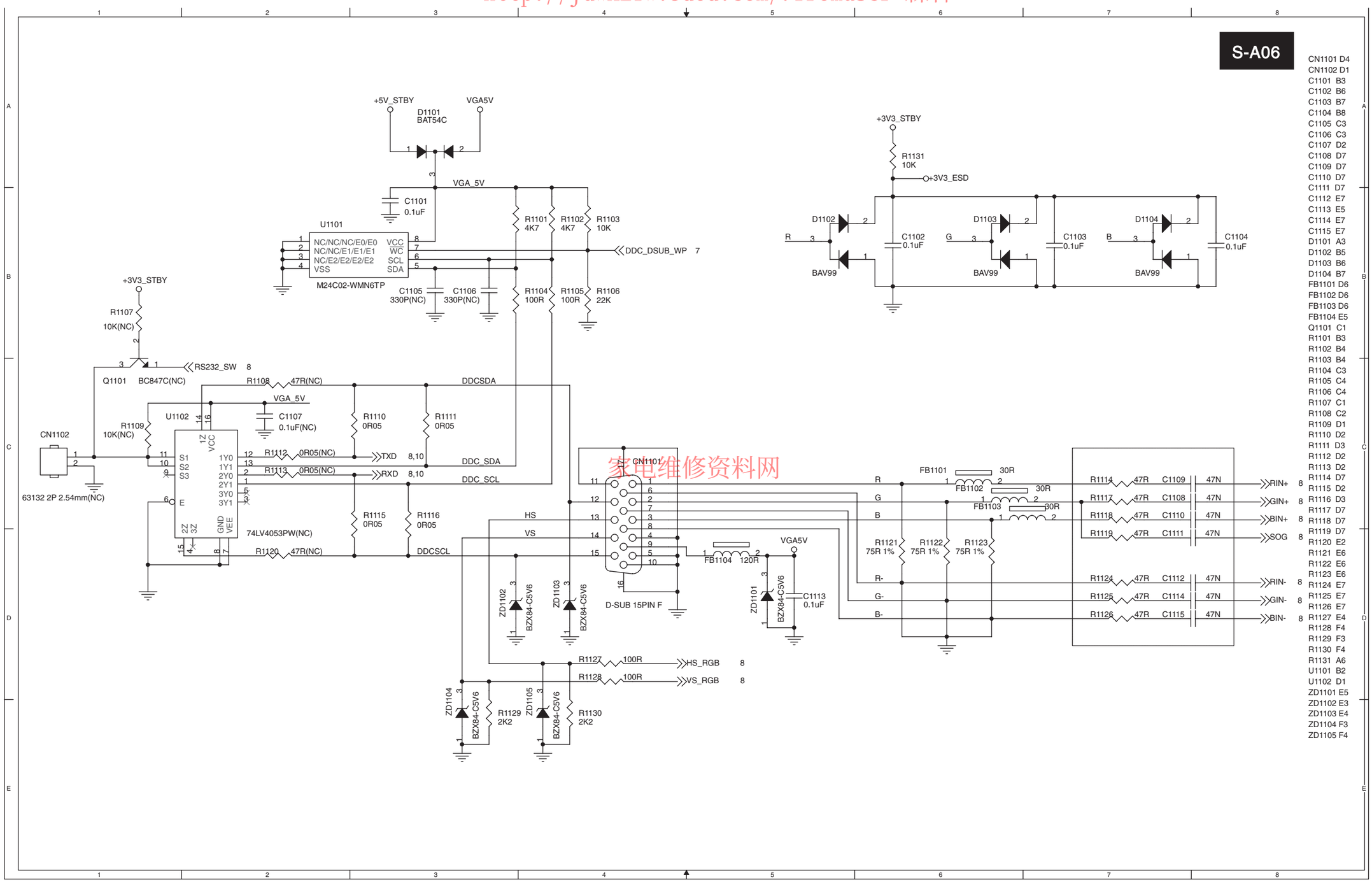
SIDE_AU_INR 14

HPL 15

HPR 15

CN2301 A1
C2301 C2
C2302 A2
C2303 A4
C2304 A2
C2305 A3
C2306 B4
C2307 B2
C2308 B3
C2309 B4
C2310 C3
FB2301 B2
FB2302 A2
FB2303 B2
R2301 C2
R2302 A2
R2303 A3
R2304 A2
R2305 B3
R2306 B2
R2307 B3

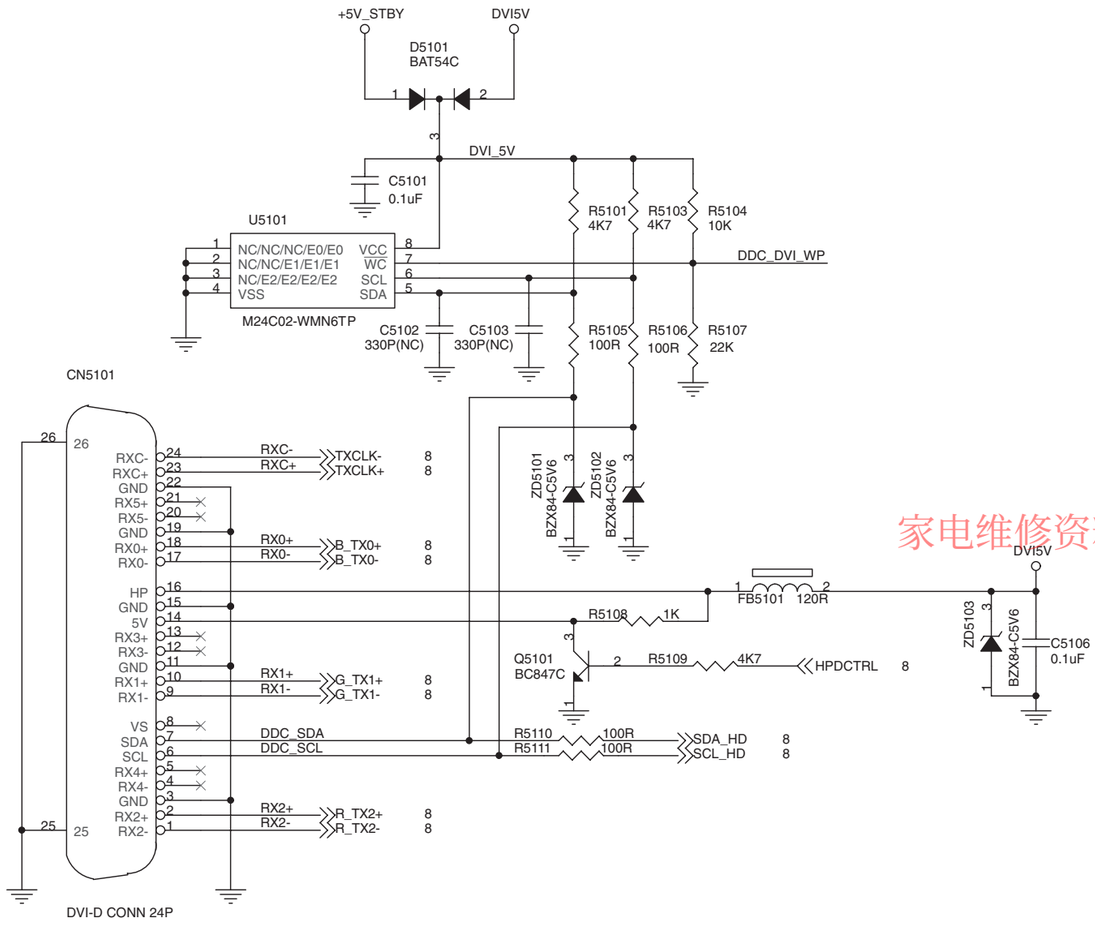
Scaler Board Schematic Diagram - DSUB Input

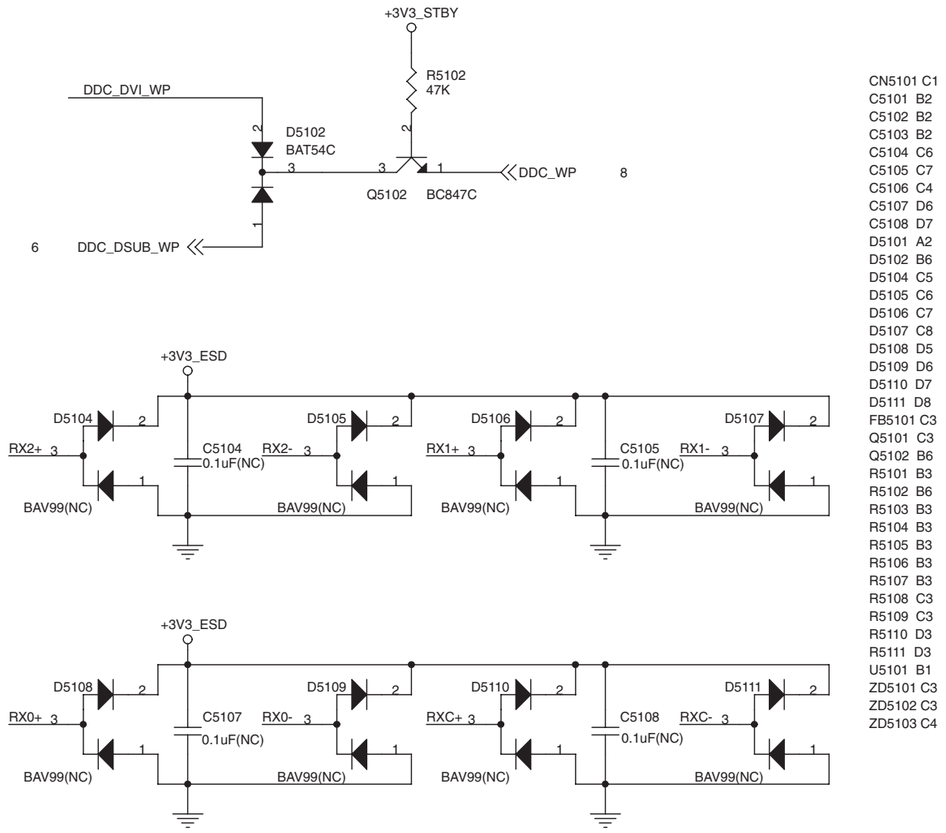


CN1101 D4
CN1102 D1
C1101 B3
C1102 B6
C1103 B7
C1104 B8
C1105 C3
C1106 C3
C1107 D2
C1108 D7
C1109 D7
C1110 D7
C1111 D7
C1112 E7
C1113 E5
C1114 E7
C1115 E7
D1101 A3
D1102 B5
D1103 B6
D1104 B7
FB1101 D6
FB1102 D6
FB1103 D6
FB1104 E5
Q1101 C1
R1101 B3
R1102 B4
R1103 B4
R1104 C3
R1105 C4
R1106 C4
R1107 C1
R1108 C2
R1109 D1
R1110 D2
R1111 D3
R1112 D2
R1113 D2
R1114 D7
R1115 D2
R1116 D3
R1117 D7
R1118 D7
R1119 D7
R1120 E2
R1121 E6
R1122 E6
R1123 E6
R1124 E7
R1125 E7
R1126 E7
R1127 E4
R1128 F4
R1129 F3
R1130 F4
R1131 A6
U1101 B2
U1102 D1
ZD1101 E5
ZD1102 E3
ZD1103 E4
ZD1104 F3
ZD1105 F4

Scaler Board Schematic Diagram - DVI-D Input

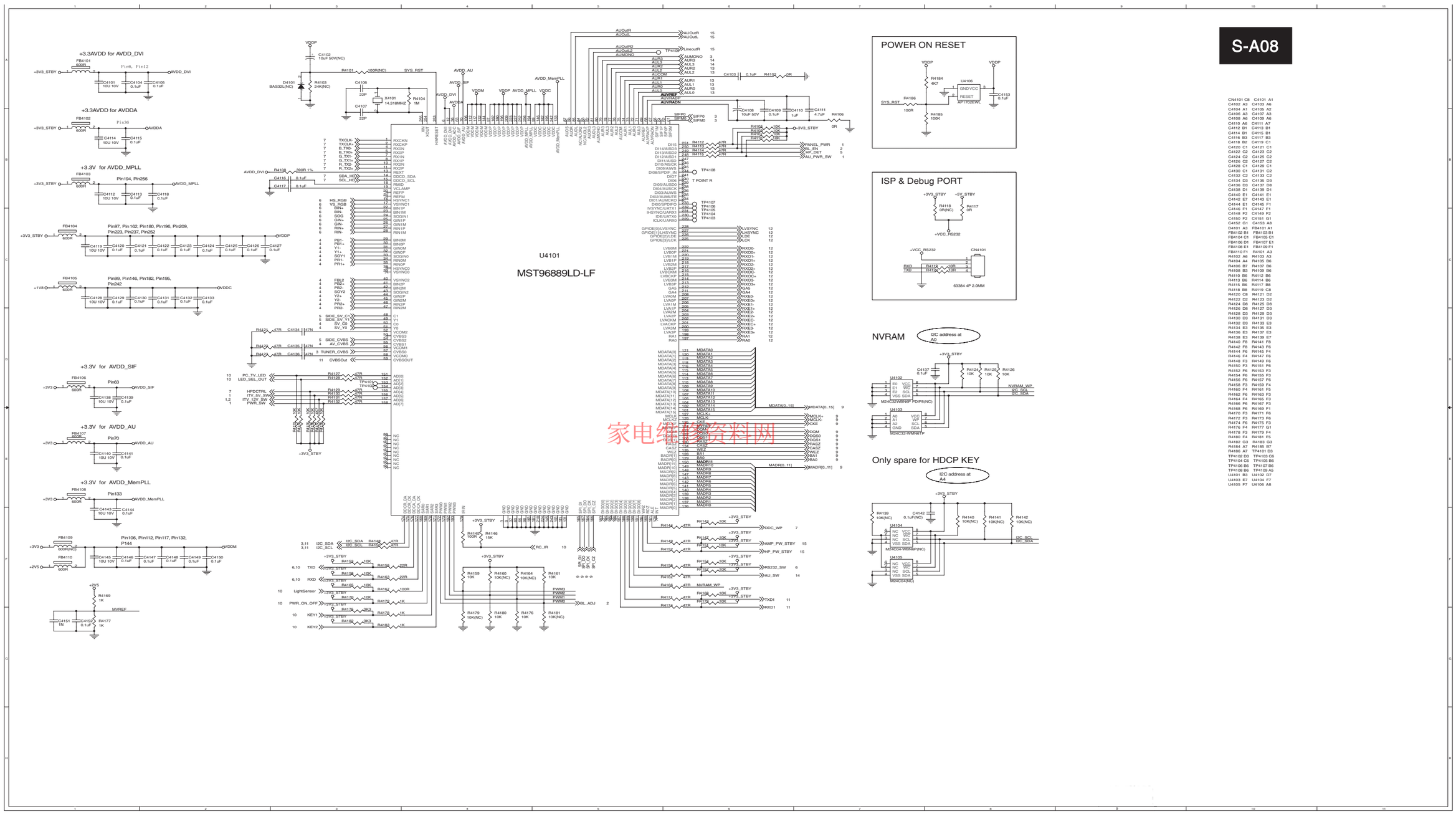
S-A07





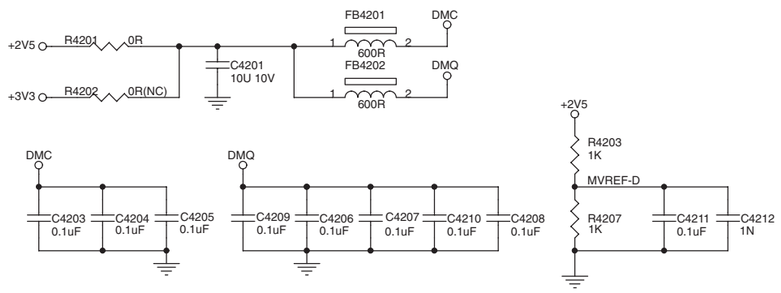
CN5101 C1
C5101 B2
C5102 B2
C5103 B2
C5104 C6
C5105 C7
C5106 C4
C5107 D6
C5108 D7
D5101 A2
D5102 B6
D5104 C5
D5105 C6
D5106 C7
D5107 C8
D5108 D5
D5109 D6
D5110 D7
D5111 D8
FB5101 C3
Q5101 C3
Q5102 B6
R5101 B3
R5102 B6
R5103 B3
R5104 B3
R5105 B3
R5106 B3
R5107 B3
R5108 C3
R5109 C3
R5110 D3
R5111 D3
U5101 B1
ZD5101 C3
ZD5102 C3
ZD5103 C4

Scaler Board Schematic Diagram - SCALER

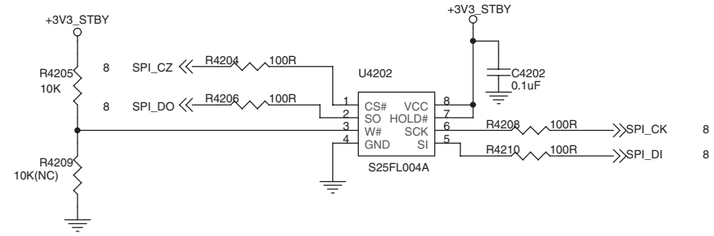


Scaler Board Schematic Diagram - FLASH ROM & MEMERY

S-A09

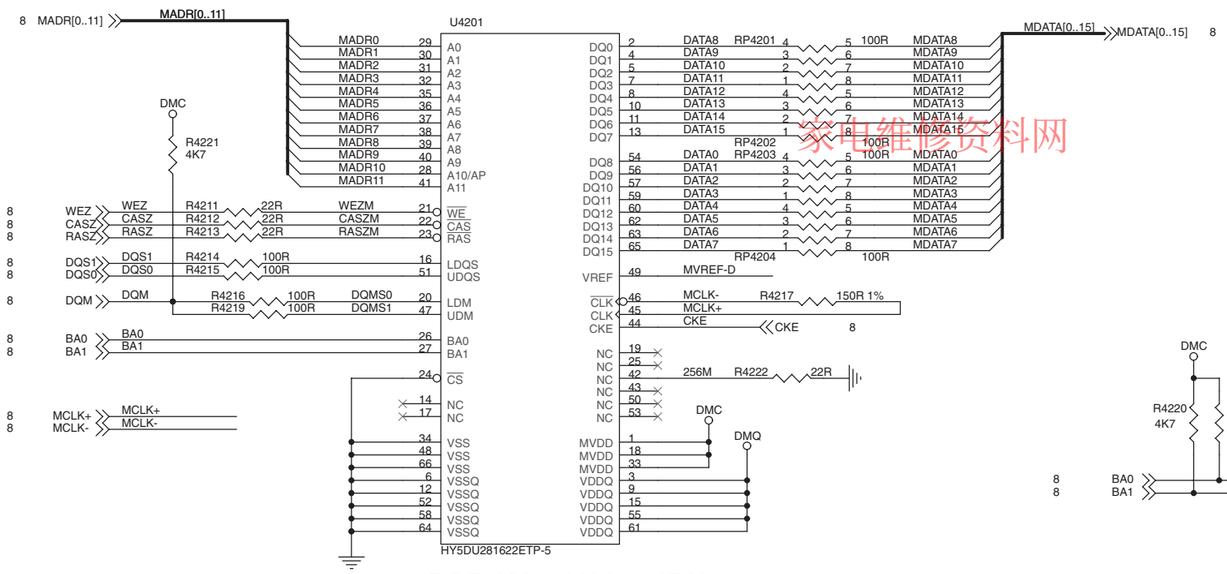


SPI Flash ROM



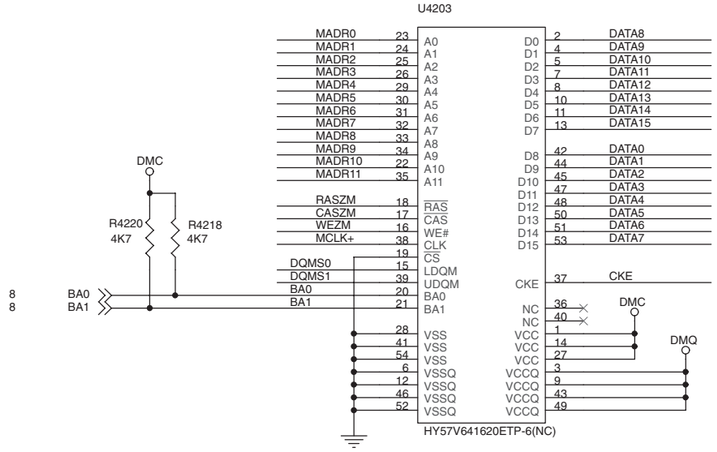
MODEL	U4202
CHINA (/93)	S25FL004A (4M)
AP (/98)	S25FL008A (8M)
AP (/79)	S25FL008A (8M)

C4201 A2
C4202 B7
C4203 B1
C4204 B2
C4205 B2
C4206 B3
C4207 B3
C4208 B3
C4209 B2
C4210 B3
C4211 B4
C4212 B4
FB4201 A3
FB4202 A3
RP4201 C4
RP4202 C4
RP4203 C4
RP4204 D4
R4201 A2
R4202 A2
R4203 B4
R4204 B6
R4205 B6
R4206 B6
R4207 B4
R4208 B8
R4209 B6
R4210 B8
R4211 D2
R4212 D2
R4213 D2
R4214 D2
R4215 D2
R4216 D2
R4217 D4
R4218 E6
R4219 D2
R4220 E6
R4221 C1
R4222 D4
U4201 C3
U4202 B7
U4203 D7



DDR 2M x 16bit x 4BK

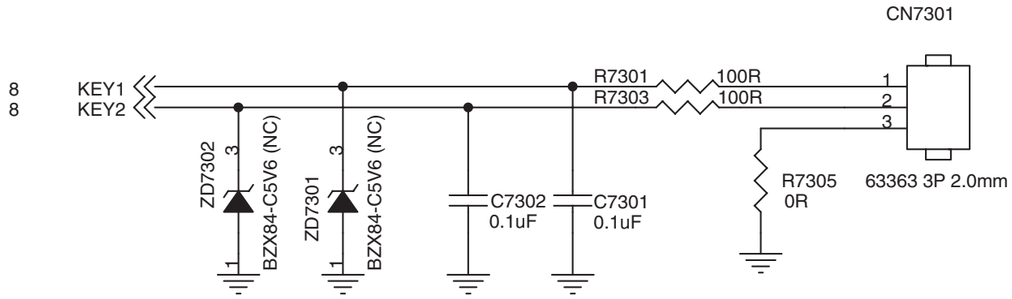
SDRAM 4M x 16



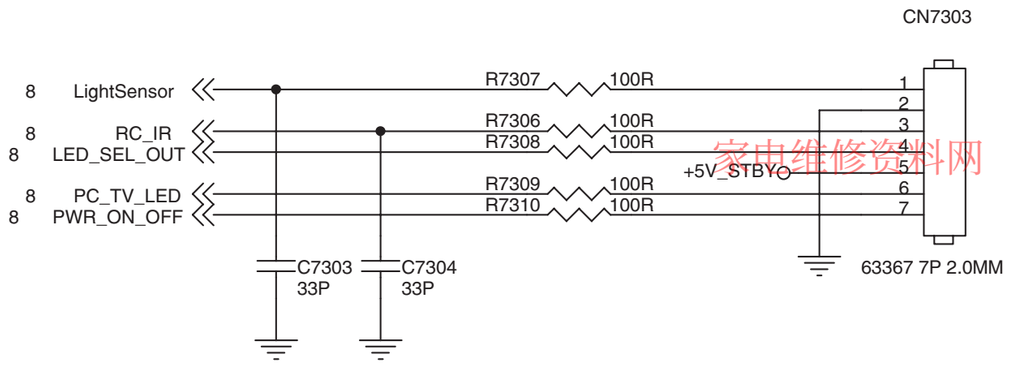
Scaler Board Schematic Diagram - KEY, IR BD & COMPAIR I/F

S-A10

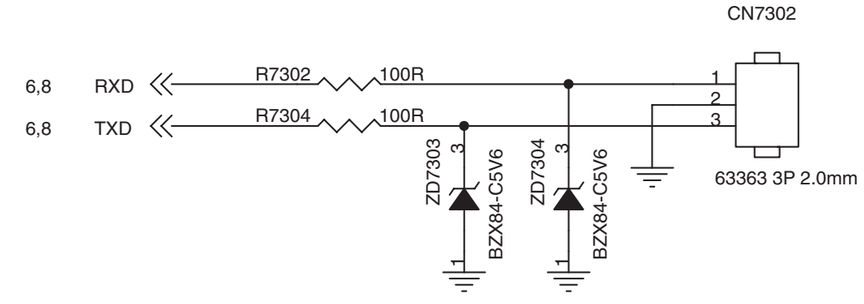
For Key BOARD



For IR BOARD



For Compair I/F

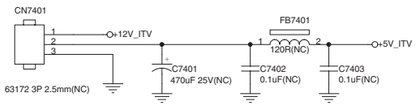


CN7301 A3
CN7302 C3
CN7303 B3
C7301 A2
C7302 A2
C7303 C1
C7304 C2
R7301 A2
R7302 D2
R7303 A2
R7304 D2
R7305 A3
R7306 B2
R7307 B2
R7308 B2
R7309 C2
R7310 C2
ZD7301 A1
ZD7302 A1
ZD7303 D2
ZD7304 D2

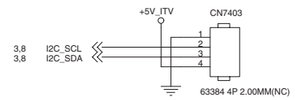
Scaler Board Schematic Diagram - ITV I/F

S-A11

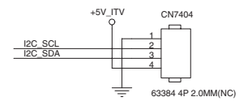
Power for I-BOARD (Level 2)



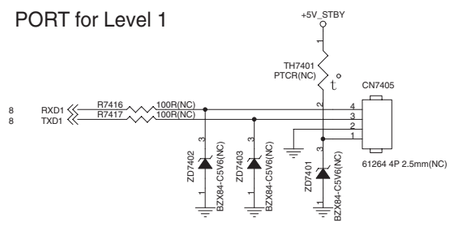
Control I/F for I-BOARD (Level 2)



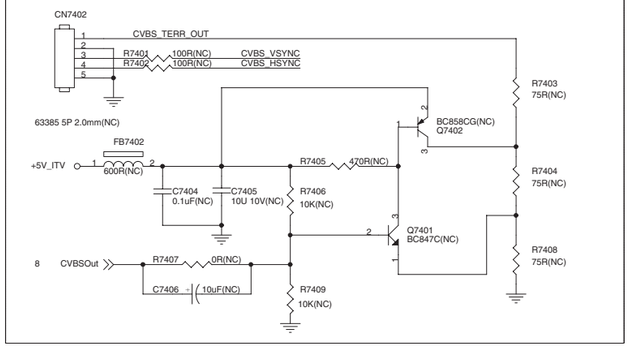
2nd Control I/F (Level 2)



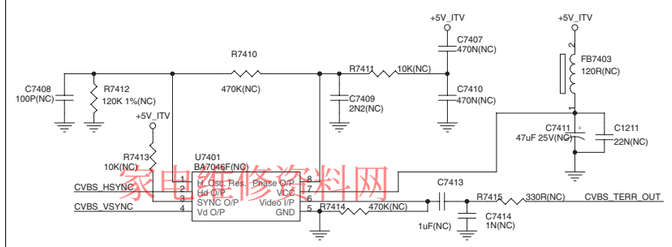
PORT for Level 1



Video I/F for I-BOARD (Level 2)



CVBS Sync Slicer (Level 2)

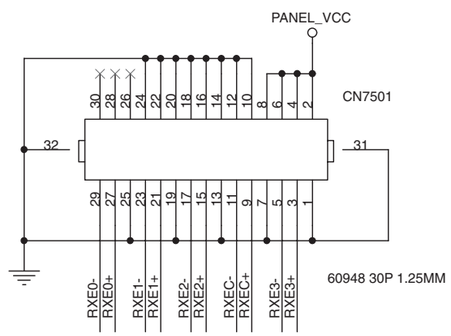


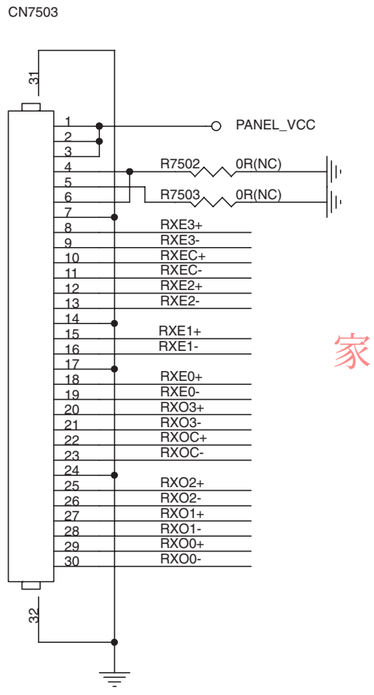
CN7401 A1
CN7402 A5
CN7403 C2
CN7404 D2
CN7405 F3
C1211 D8
C7401 A2
C7402 A2
C7403 A3
C7404 B5
C7405 B6
C7406 C5
C7407 D7
C7408 D5
C7409 D6
C7410 D7
C7411 D7
C7413 E7
C7414 E7
FB7401 A2
FB7402 B5
FB7403 D7
Q7401 B6
Q7402 B7
R7401 A5
R7402 A5
R7403 A7
R7404 B7
R7405 B6
R7406 B6
R7407 B5
R7408 B7
R7409 C6
R7410 D6
R7411 D6
R7412 D5
R7413 D5
R7414 E6
R7415 E7
R7416 F2
R7417 F2
TH7401 E3
U7401 D5
ZD7401 F3
ZD7402 F2
ZD7403 F2

Scaler Board Schematic Diagram - PANEL I/F

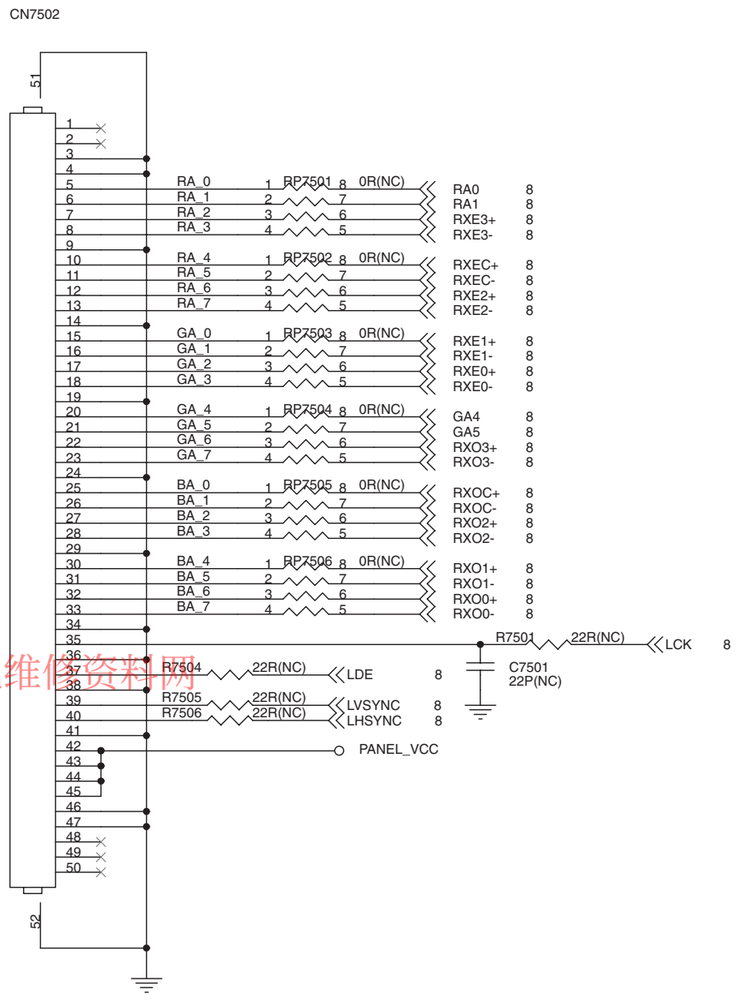
S-A12

CN7501 A1
CN7502 A4
CN7503 B3
C7501 C6
RP7501 A5
RP7502 B5
RP7503 B5
RP7504 B5
RP7505 B5
RP7506 C5
R7501 C6
R7502 B3
R7503 B3
R7504 C5
R7505 C5
R7506 C5





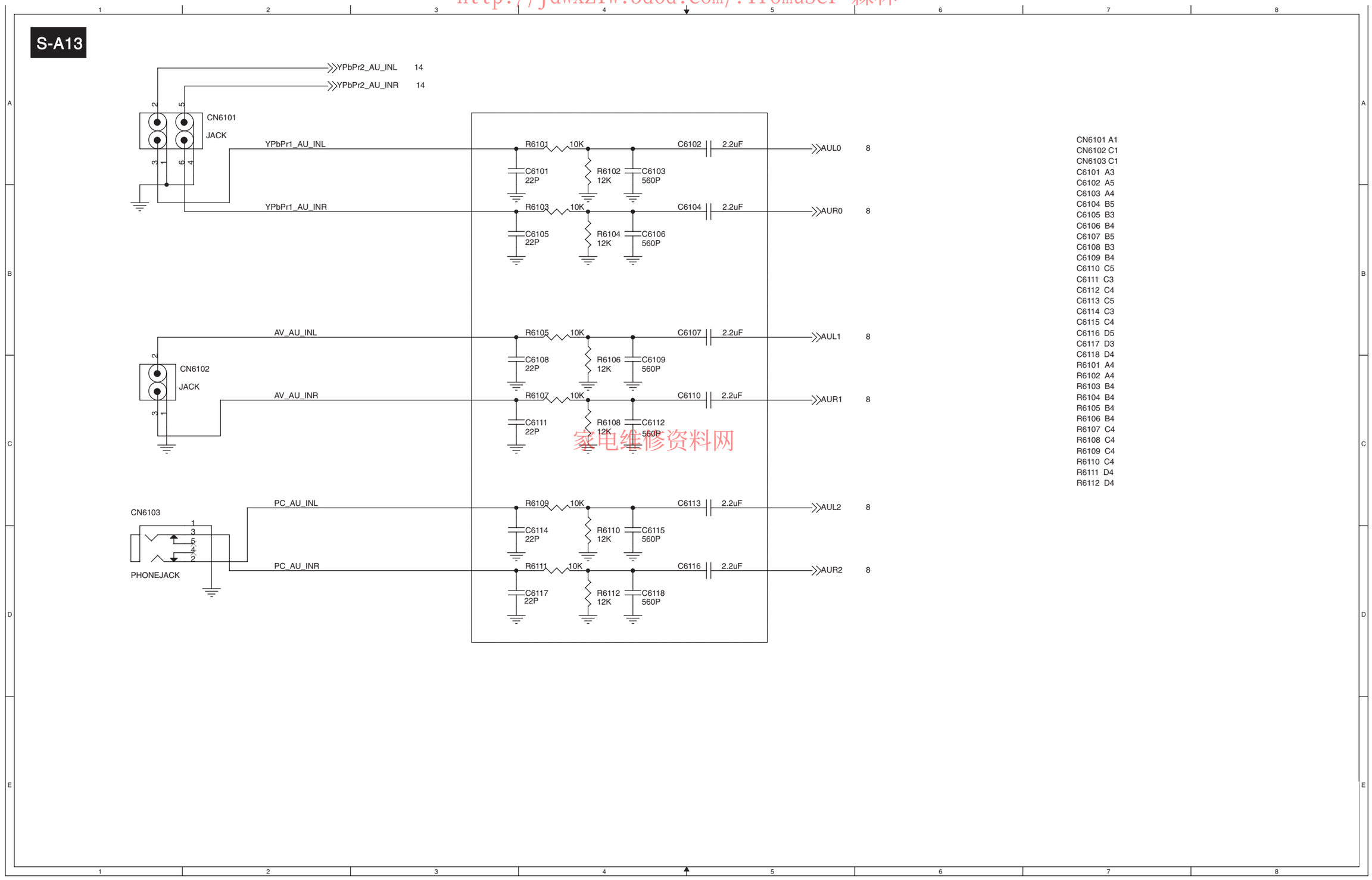
H 60952 30P 1.25mm(NC)



AF7501-A2G1T 50P 0.5mm(NC)

Scaler Board Schematic Diagram - AUDIO I/F

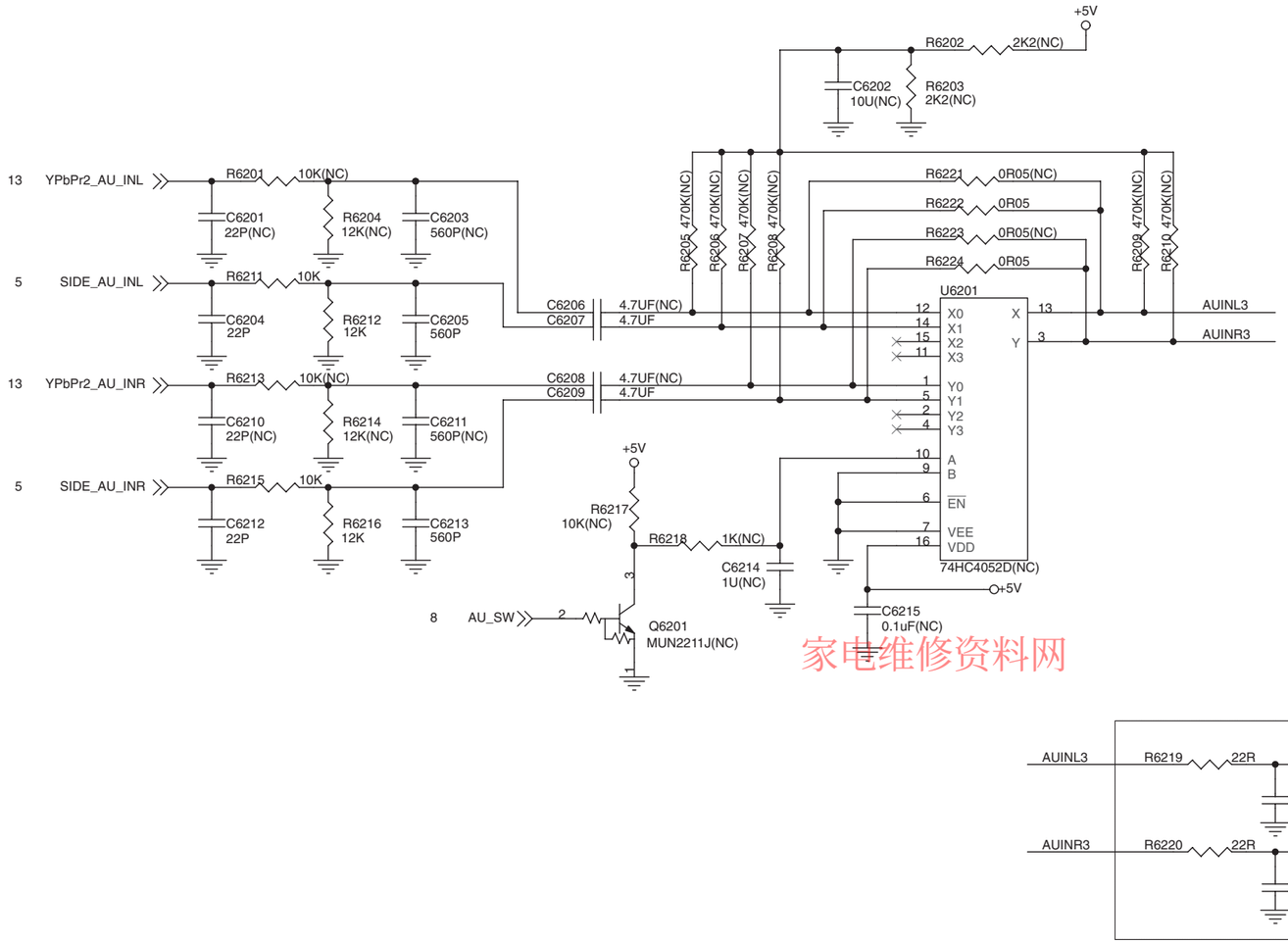
S-A13

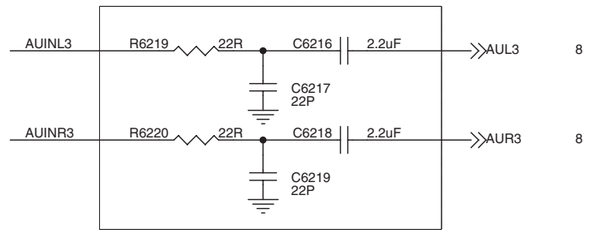


CN6101 A1
CN6102 C1
CN6103 C1
C6101 A3
C6102 A5
C6103 A4
C6104 B5
C6105 B3
C6106 B4
C6107 B5
C6108 B3
C6109 B4
C6110 C5
C6111 C3
C6112 C4
C6113 C5
C6114 C3
C6115 C4
C6116 D5
C6117 D3
C6118 D4
R6101 A4
R6102 A4
R6103 B4
R6104 B4
R6105 B4
R6106 B4
R6107 C4
R6108 C4
R6109 C4
R6110 C4
R6111 D4
R6112 D4

Scaler Board Schematic Diagram - AUDIO MUX

S-A14

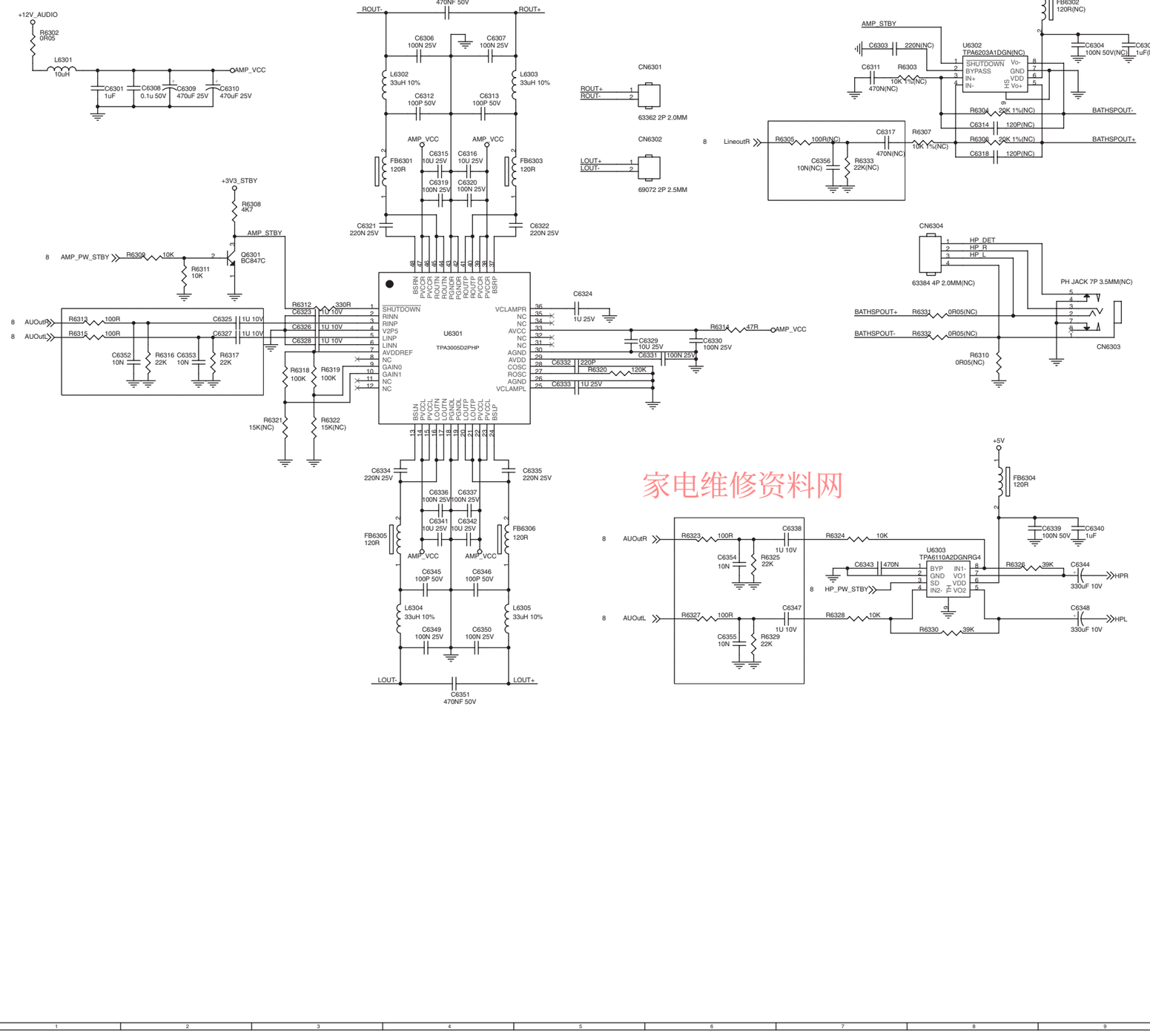




C6201 A1
C6202 A4
C6203 A2
C6204 B1
C6205 B2
C6206 B3
C6207 B3
C6208 B3
C6209 B3
C6210 B1
C6211 B2
C6212 C1
C6213 C2
C6214 C4
C6215 C4
C6216 C6
C6217 C5
C6218 D6
C6219 D5
Q6201 C3
R6201 A2
R6202 A4
R6203 A4
R6204 A2
R6205 A3
R6206 A3
R6207 A3
R6208 A4
R6209 A5
R6210 A5
R6211 B2
R6212 B2
R6213 B2
R6214 B2
R6215 B2
R6216 B2
R6217 B3
R6218 C3
R6219 C5
R6220 D5
R6221 A4
R6222 A4
R6223 A4
R6224 B4
U6201 B4

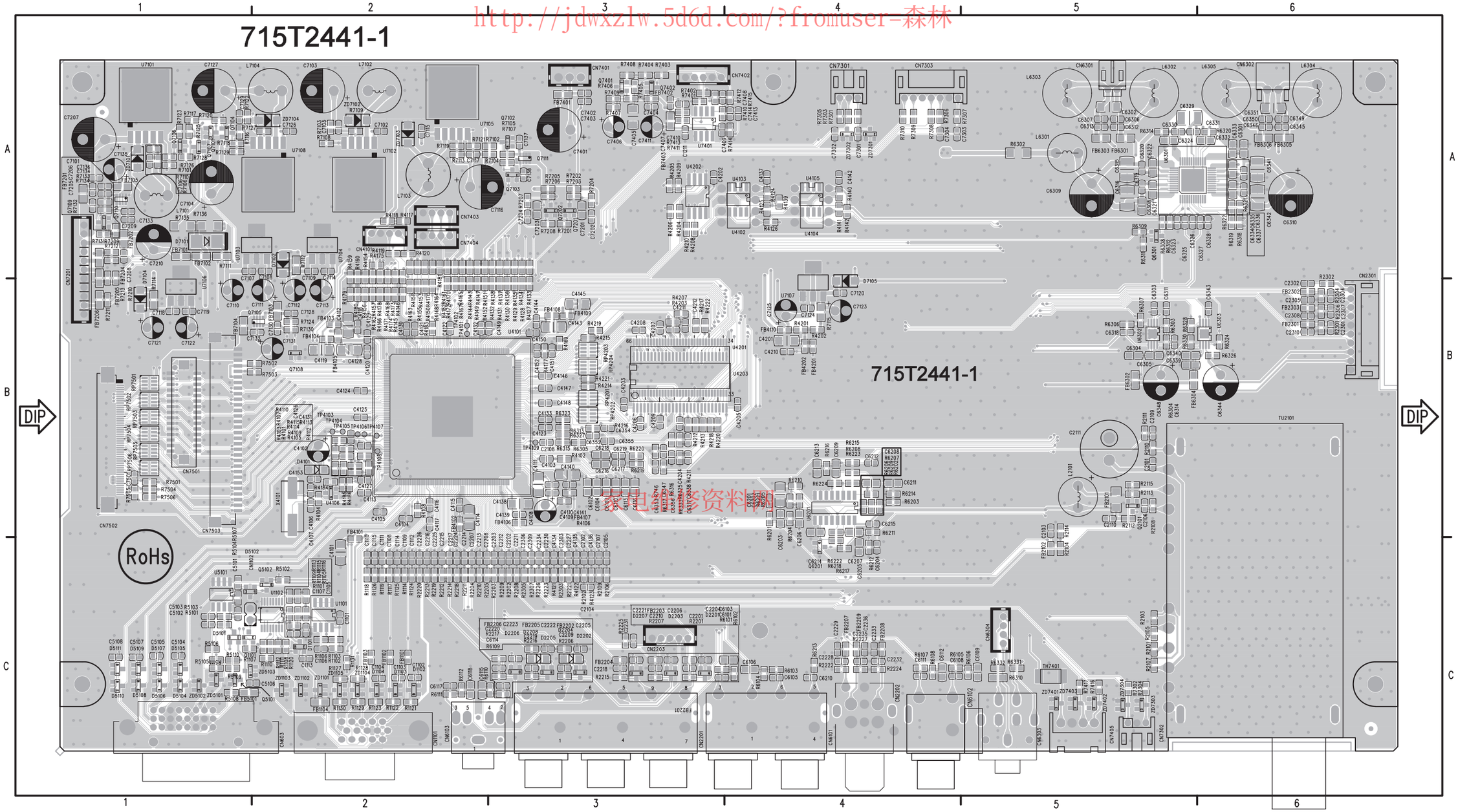
Scaler Board Schematic Diagram - AUDIO AMP

S-A15



CN6301 B5
CN6302 B5
CN6303 C9
CN6304 C8
C6301 B1
C6302 A4
C6303 A7
C6304 A9
C6305 A9
C6306 A4
C6307 A4
C6308 B2
C6309 B2
C6310 B2
C6311 A7
C6312 B4
C6313 B4
C6314 B8
C6315 B4
C6316 B4
C6317 B7
C6318 B8
C6319 B4
C6320 B4
C6321 C3
C6322 C4
C6323 C3
C6324 C5
C6325 C2
C6326 C3
C6327 C2
C6328 C3
C6329 C5
C6330 C6
C6331 D6
C6332 D5
C6333 D5
C6334 D4
C6335 D4
C6336 E4
C6337 E4
C6338 E6
C6339 E8
C6340 E9
C6341 E4
C6342 E4
C6343 E7
C6344 E9
C6345 E4
C6346 E4
C6347 E6
C6348 E9
C6349 F4
C6350 F4
C6351 F4
C6352 D2
C6353 D2
C6354 E6
C6355 F6
C6356 B7
FB6301 B3
FB6302 A8
FB6303 B4
FB6304 D8
FB6305 E3
FB6306 E4
L6301 A1
L6302 A3
L6303 A4
L6304 E4
L6305 E4
Q6301 C2
R6302 A1
R6303 A7
R6304 B8
R6305 B7
R6306 B8
R6307 B7
R6308 B2
R6309 C2
R6310 D8
R6311 C2
R6312 C3
R6313 C1
R6314 C6
R6315 C1
R6316 D2
R6317 D2
R6318 D3
R6319 D3
R6320 D5
R6321 D3
R6322 D3
R6323 E6
R6324 E7
R6325 E6
R6326 E8
R6327 E6
R6328 E7
R6329 F6
R6330 F8
R6331 C8
R6332 C8
R6333 B7
U6301 C3
U6302 A8
U6303 E8

Scaler Board Layout(Top Side)



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C1102 C2 C2204 C3 C2233 C4 C4116 B2 C4145 B3 C6101 C3 C6212 B4 C6322 A5 C6351 A6 C7124 B4 C7401 A3 CN7201 A1 D5106 C1 FB4102 B2 FB7402 A3 Q7201 A3 R1126 C2 R2209 C3 R4104 B2 R4135 A3 R4164 A2 R4207 B3 R6103 C4 R6220 B3 R6326 B6 R7123 A1 R7303 A4 R7504 B1 U6302 B5 ZD7402 C5
C1103 C2 C2205 C3 C2234 C3 C4117 B2 C4146 B3 C6102 B3 C6213 B4 C6323 A5 C6352 B3 C7125 B4 C7402 A3 CN7301 A4 D5107 C1 FB4103 B2 FB7403 A3 Q7202 A3 R1127 C2 R2210 C2 R4105 B2 R4136 A3 R4165 A2 R4208 A3 R6104 C4 R6221 B4 R6327 B3 R7124 B2 R7304 C5 R7505 B1 U6303 B5 ZD7403 C5
C1104 C2 C2206 C3 C2235 C4 C4118 B2 C4147 B3 C6103 C3 C6214 B4 C6324 A5 C6353 B3 C7126 A2 C7403 A3 CN7302 C5 D5108 C1 FB4104 B2 L2101 B5 Q7401 A3 R1128 C2 R2211 C2 R4106 B3 R4137 A3 R4166 B2 R4209 A3 R6105 C4 R6222 B4 R6328 B5 R7125 A1 R7305 A4 R7506 B1 U7101 A1
C1105 C2 C2207 C2 C2236 C4 C4119 B2 C4148 B3 C6104 B3 C6215 B4 C6325 A5 C6354 B3 C7127 A1 C7404 A3 CN7303 A4 D5109 C1 FB4105 B2 L6301 A5 Q7402 A3 R1129 C2 R2212 C2 R4107 B2 R4138 A3 R4167 B2 R4210 A3 R6106 C5 R6223 B4 R6330 B5 R7126 A1 R7306 A4 R4201 B3 U7102 A2
C1106 C2 C2208 C2 C2301 B6 C4120 B2 C4149 B2 C6105 C4 C6216 B3 C6326 A5 C6355 B3 C7128 B2 C7405 A3 CN7401 A3 D5110 C1 FB4106 B3 L6302 A5 R1101 C2 R1130 C2 R2213 C2 R4108 B2 R4139 A4 R4168 B2 R4211 B3 R6107 C4 R6224 B4 R6331 C5 R7127 A2 R7307 A4 RP4202 B3 U7103 A2
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C1109 C2 C2211 C3 C2304 B6 C4123 B3 C4152 B3 C6108 C4 C6219 B3 C6329 A5 C7102 A2 C7131 B2 C7408 A3 CN7404 A2 D7102 A2 FB4109 B3 L6305 A6 R1104 C2 R2102 C3 R2216 C3 R4111 B2 R4142 A4 R4171 B2 R4214 B3 R6110 C2 R6304 B5 R7101 A1 R7130 B2 R7310 A4 RP7501 B1 U7106 B1
C1110 C2 C2212 C3 C2305 B6 C4124 B2 C4153 B2 C6109 C5 C6301 A6 C6330 A5 C7103 A2 C7132 B2 C7409 A3 CN7405 C5 D7104 B1 FB4110 B4 L7101 A1 R1105 C2 R2103 C5 R2217 C3 R4113 B2 R4143 A2 R4172 B2 R4215 B3 R6111 C2 R6305 B3 R7102 A2 R7131 A1 R7401 A3 R7502 B1 U7107 B4
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C1112 C2 C2214 C2 C2307 B6 C4126 B2 C4202 A3 C6111 C4 C6303 B5 C6332 A5 C7105 A2 C7134 A1 C7411 A3 CN7502 B1 FB1101 C2 FB4202 B4 L7103 A2 R1107 C1 R2105 C5 R2219 C2 R4115 B2 R4145 B2 R4174 B2 R4217 B3 R6201 B4 R6307 B5 R7104 A2 R7133 A1 R7403 A3 RP7504 B1 U7401 A3
C1113 C2 C2215 C2 C2308 B6 C4127 B2 C4203 B3 C6112 C4 C6304 B5 C6333 A6 C7106 A1 C7135 A1 C7413 A4 CN7503 B1 FB1102 C2 FB5101 C1 L7104 A2 R1108 C2 R2106 C3 R2220 C2 R4117 A2 R4146 B2 R4175 A2 R4218 B3 R6202 B4 R6308 A5 R7105 A3 R7134 A1 R7404 A3 RP7505 B1 X4101 B2
C1114 C2 C2216 C2 C2309 C3 C4128 B2 C4204 B3 C6113 B3 C6305 B5 C6334 A6 C7107 A1 C7136 A1 C7414 A4 D1101 C2 FB1103 C2 FB6301 A5 Q1101 C1 R1109 C2 R2107 C5 R2221 C3 R4118 A2 R4147 A2 R4176 A2 R4219 B3 R6203 B4 R6309 A5 R7106 A1 R7135 A1 R7405 A3 RP7506 B1 ZD1101 C2
C1115 C2 C2217 C2 C2310 B6 C4129 B2 C4205 B4 C6114 C3 C6306 A5 C6335 A6 C7108 A2 C7137 A3 C7501 B1 D1102 C2 FB1104 C2 Fb6302 B5 Q2101 B5 R1110 C2 R2108 B5 R2222 C4 R4119 A2 R4148 B2 R4177 B3 R4220 B3 R6204 B4 R6310 C5 R7107 A3 R7136 A1 R7406 A3 TH7401 C5 ZD1102 C2
C1211 A3 C2218 C3 C4101 C2 C4130 B2 C4206 B3 C6115 C2 C6307 A5 C6336 A6 C7109 A2 C7138 A3 CN1101 C2 D1103 C2 FB2101 B5 FB6303 A5 Q5101 C1 R1111 C2 R2109 C3 R2223 C3 R4120 A2 R4149 B2 R4178 B2 R4221 B3 R6205 B4 R6311 A5 R7108 A2 R7201 A3 R7407 A3 TU2101 C6 ZD1103 C2
C2101 B5 C2219 C3 C4102 B2 C4131 B2 C4207 B3 C6116 B3 C6308 A5 C6337 A6 C7110 B1 C7201 A3 CN1102 C1 D1104 C2 FB2102 C5 Fb6304 B5 Q5102 C2 R1112 C2 R2110 B5 R2224 C4 R4121 C3 R4150 B2 R4179 B2 R4222 B3 R6206 B4 R6312 A5 R7109 A2 R7202 A3 R7408 A3 U1101 C2 ZD1104 C2
C2102 C3 C2220 C3 C4103 B3 C4132 B2 C4208 B3 C6117 C2 C6309 A5 C6338 B3 C7111 B2 C7202 A3 CN2201 C3 D2201 C3 FB2201 C3 FB6305 A6 Q6201 C4 R1113 C2 R2111 B5 R2225 C3 R4122 C3 R4151 A2 R4180 B2 R5101 C1 R6207 B4 R6313 B3 R7110 A1 R7203 A3 R7409 A3 U1102 C2 ZD1105 C2
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C2104 C3 C2222 C3 C4105 B2 C4134 C3 C4210 B4 C6201 B4 C6311 B5 C6340 B5 C7113 B2 C7204 A3 CN2203 C3 D2203 C3 FB2203 C3 FB7101 A1 Q7101 A1 R1115 C2 R2113 B5 R2227 C4 R4124 A4 R4153 A2 R4182 B2 R5103 C1 R6209 B4 R6315 B3 R7112 A2 R7205 A3 R7411 A3 U4102 A4 ZD5102 C1
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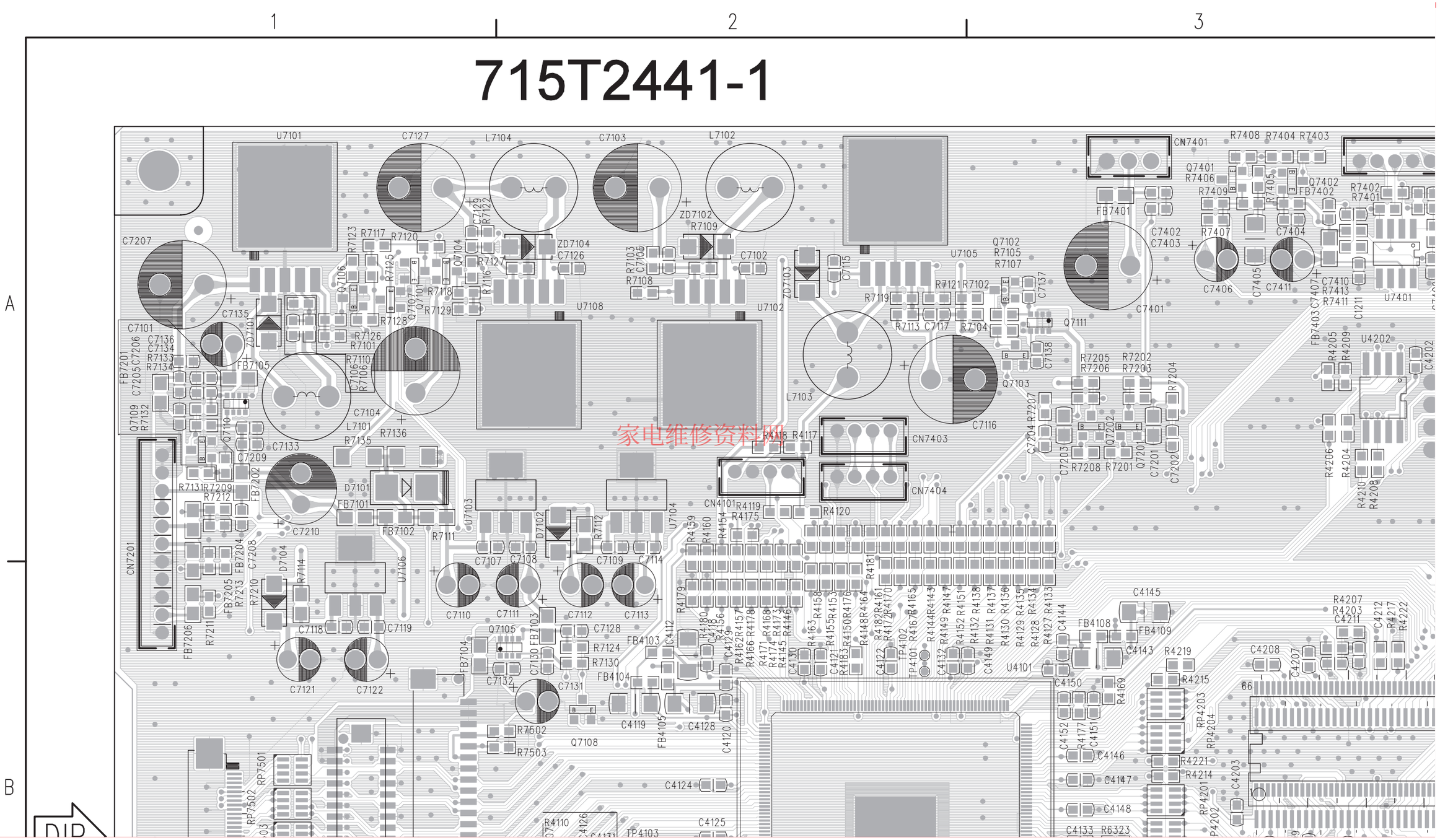
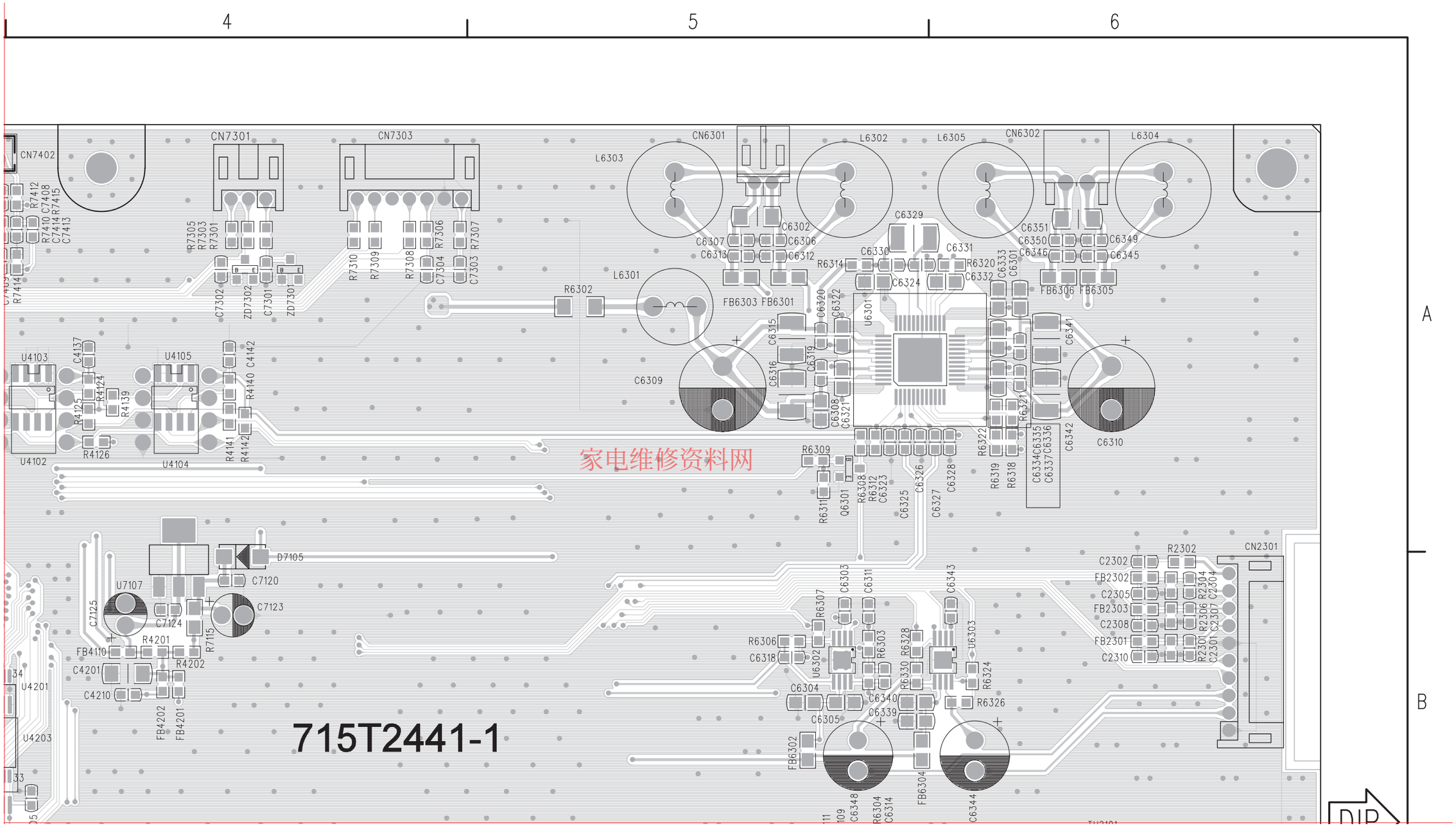
C2109 B5 C2227 C3 C4110 B3 C4139 B3 C5103 C1 C6206 B4 C6316 A5 C6345 A6 C7118 B1 C7209 A1 CN6102 C4 D2208 C3 FB2208 C4 FB7201 A1 Q7106 A1 R1120 C2 R2203 C3 R2305 C3 R4129 B3 R4158 A2 R4201 B4 R5108 C1 R6214 B4 R6320 A6 R7117 A1 R7210 B1 R7416 C5 U4201 B3 ZD7104 A2
C2110 B5 C2228 C4 C4111 B3 C4140 B3 C5104 C1 C6207 B4 C6317 B3 C6346 A6 C7119 B1 C7210 A1 CN6103 C2 D4101 B2 FB2209 C4 FB7202 A1 Q7107 A1 R1121 C2 R2204 C2 R2306 B6 R4130 B3 R4159 B2 R4202 B4 R5109 C1 R6215 B4 R6321 A6 R7118 A1 R7211 B1 R7417 C5 U4202 A3 ZD7301 A4
C2111 B5 C2229 C4 C4112 B2 C4141 B3 C5105 C1 C6208 B4 C6318 B5 C6347 B3 C7120 B4 C7301 A4 CN6301 A5 D5101 C1 FB2301 B6 FB7204 A1 Q7108 B2 R1122 C2 R2205 C2 R2307 C3 R4131 B3 R4160 B2 R4203 B3 R5110 C1 R6216 B4 R6322 A6 R7119 A2 R7212 A1 R746 B3 U4203 B3 ZD7302 A4

Scaler Board Layout(Top Side Part 1)

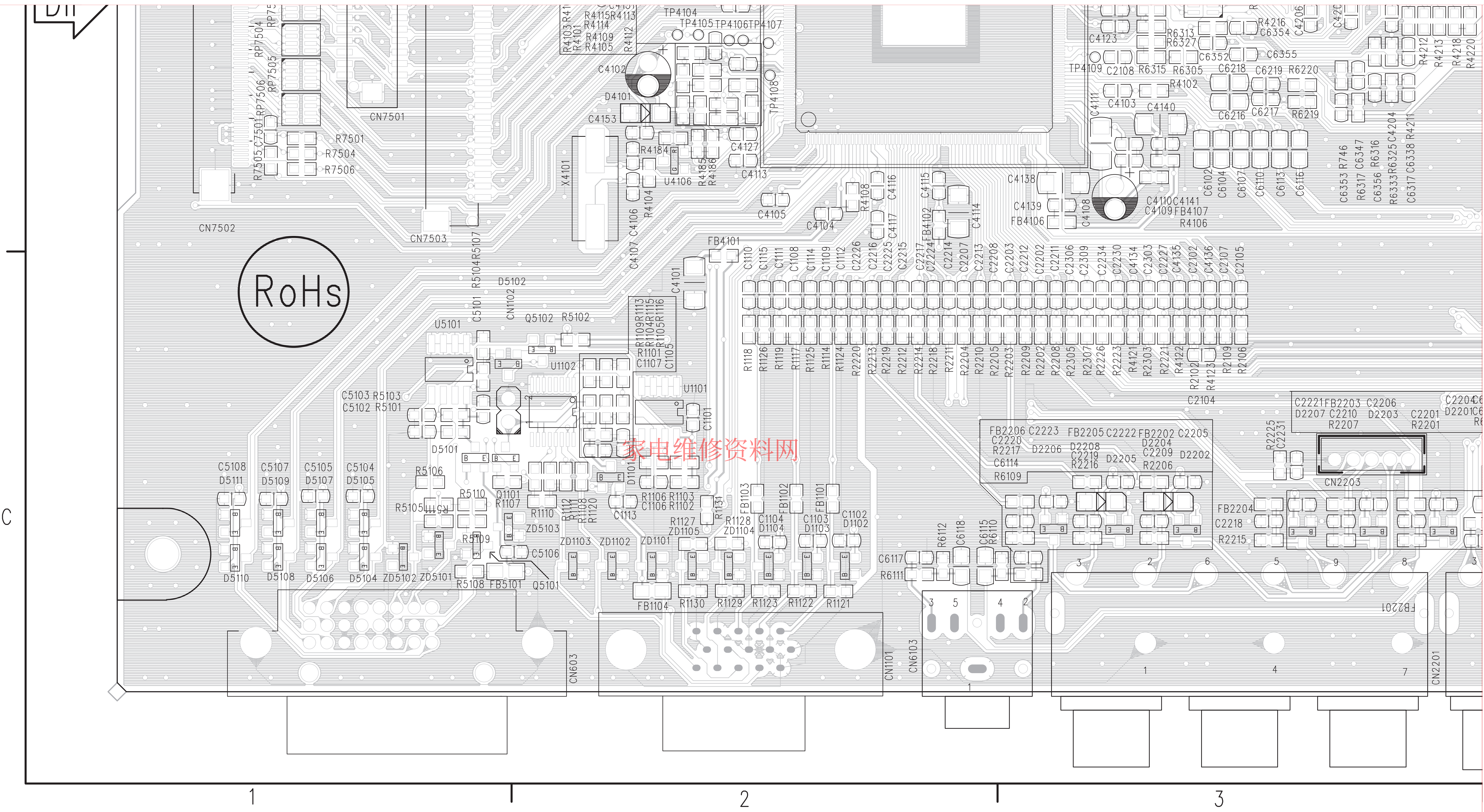
715T2441-1



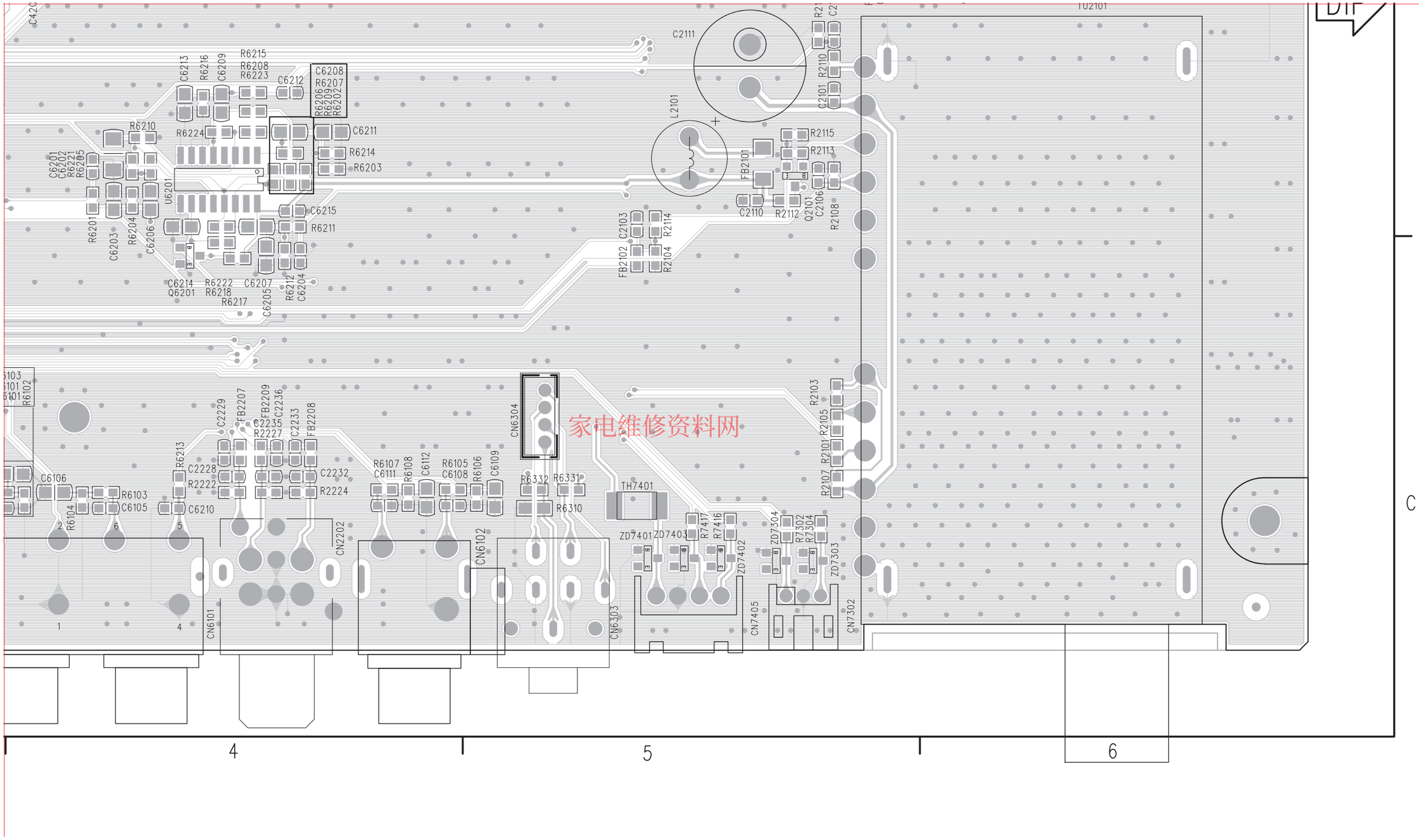
Scaler Board Layout(Top Side Part 2)



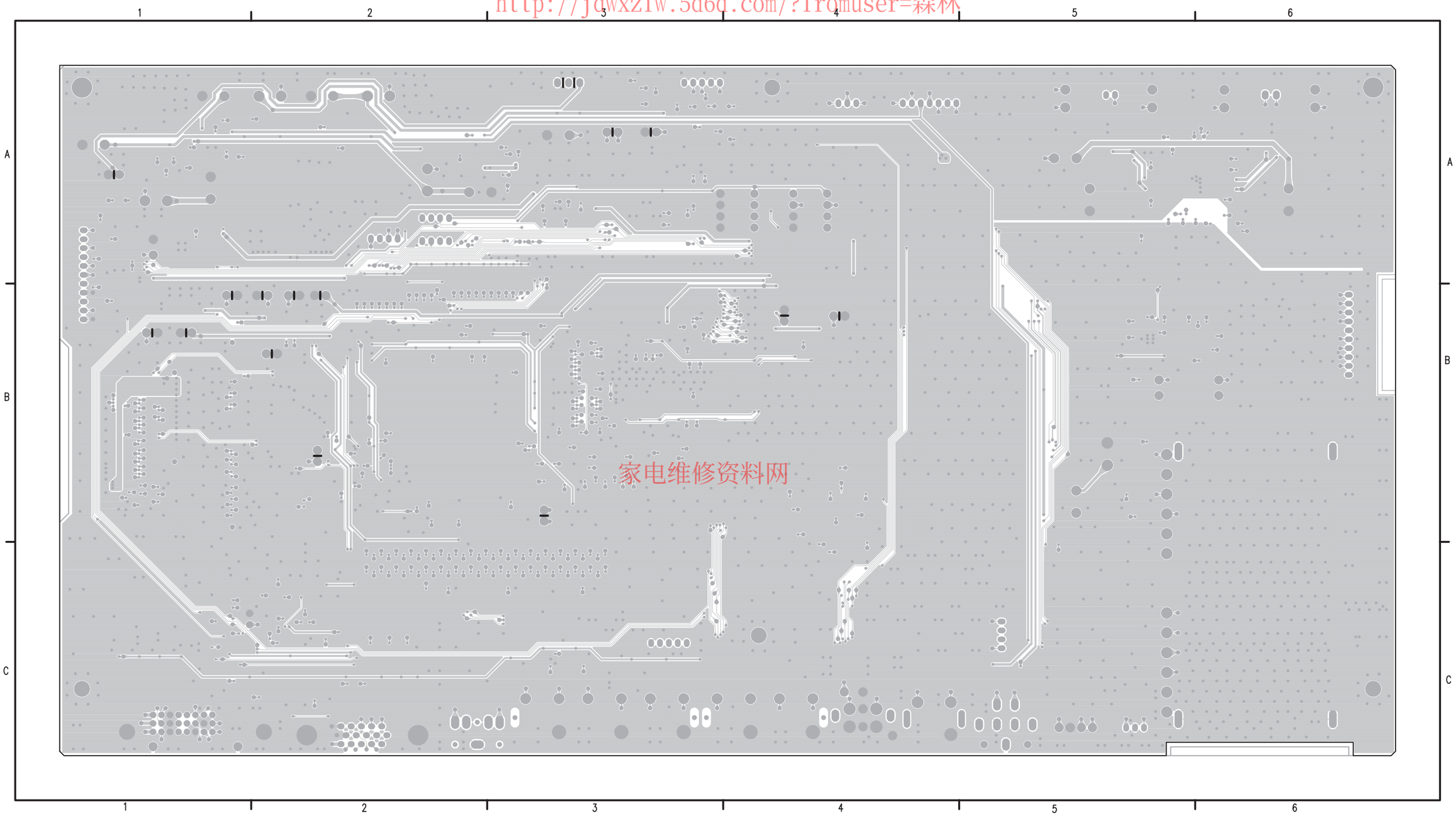
Scaler Board Layout(Top Side Part 3)



Scaler Board Layout(Top Side Part 4)



Scaler Board Layout(Bottom Side)

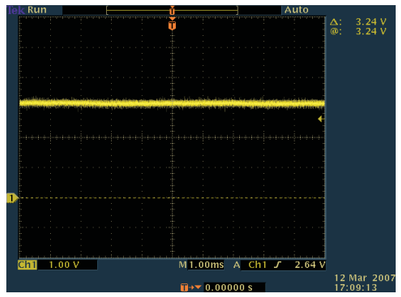


Waveform Diagram

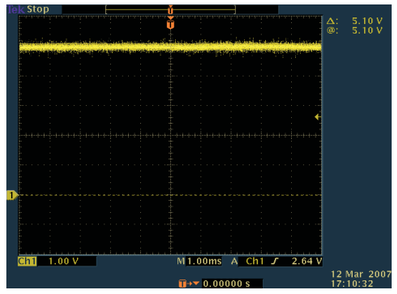
* AV: color bar
* YpbPr: color bar with 480P

* Audio :input 520mV with 1K hz sin wave
* TV signal : color Bar

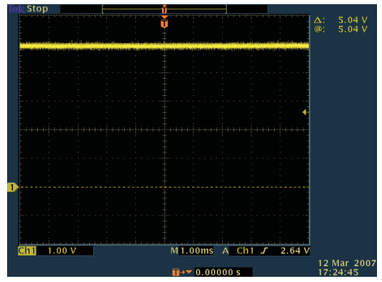
Pin 4 of 7104 (3.3V_STBY)



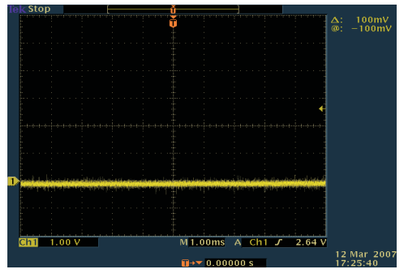
Pin 4 of 7105 (5V_STBY)



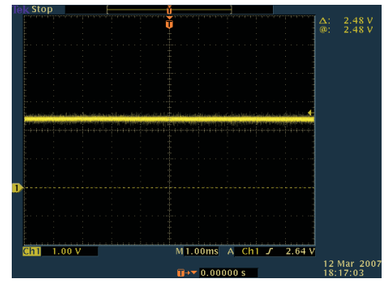
pin 8 of Q7111 (5V)



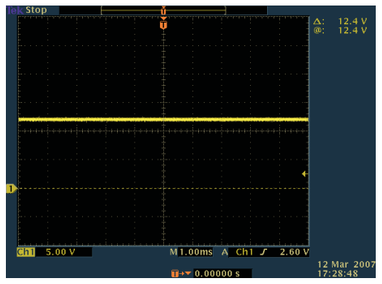
pin2 of Q7103 (PWR_SW)



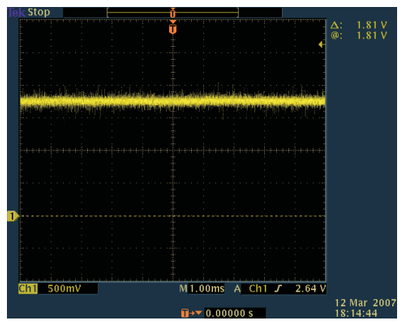
pin 2 of U7107 (2.5V)



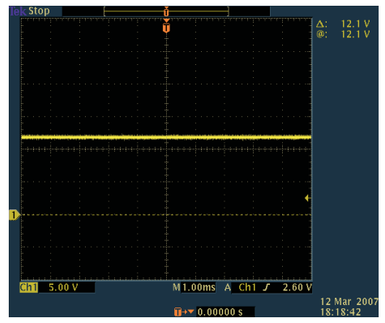
pin 4 of U7101(12V_AUDIO)



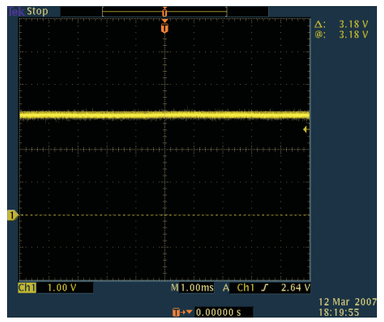
pin 3 of U7106 (1.8V)



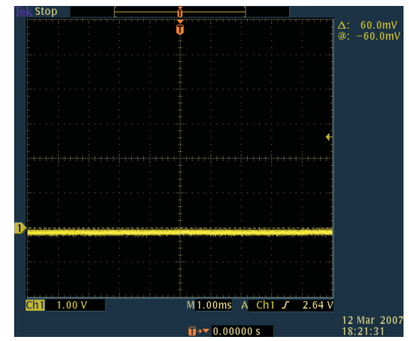
FB7104(PANEL_VCC)



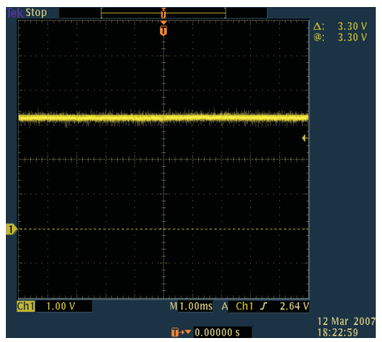
pin2 of Q7108(PANEL_PWR)



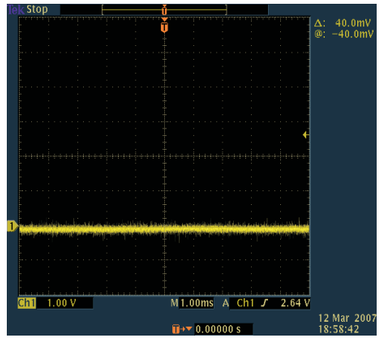
pin2 of Q7107 (AU_PWR_SW)



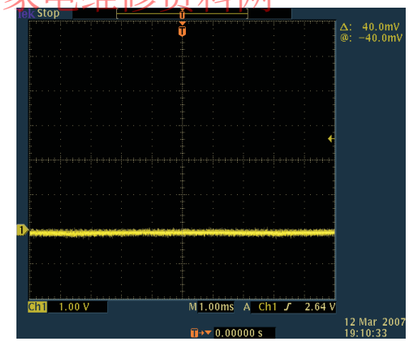
pin 3 of U7104 (3.3V)



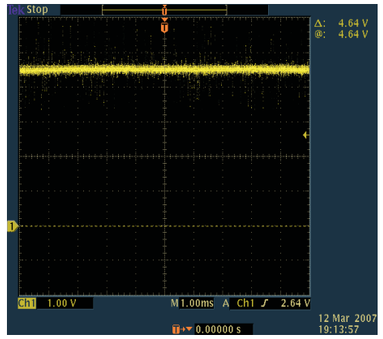
R7201 (BL_ADJ)



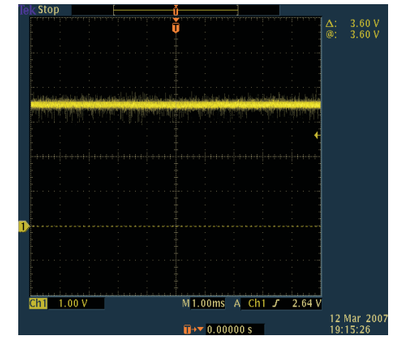
R7208(BL_EN)



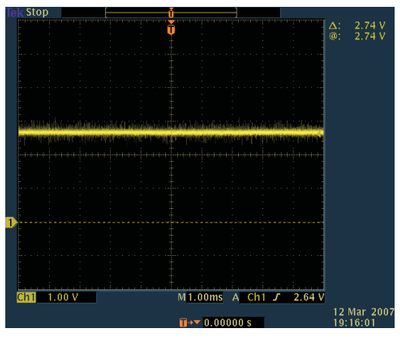
FB7204 (BRIGHT_ADJ)



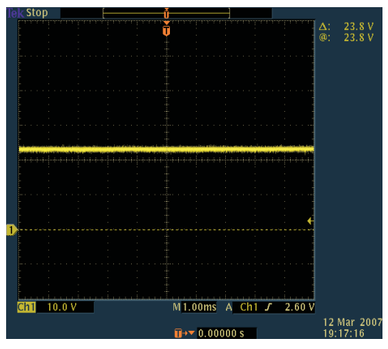
FB7205(inverter_ON_OFF)



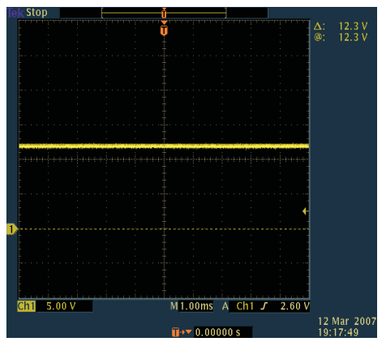
FB7206(ITV_12V_SW)



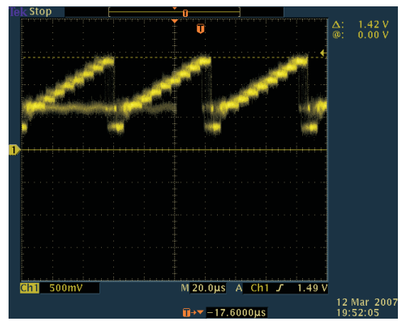
FB7201 (24V)



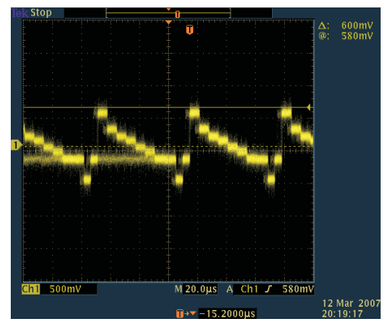
FB7202 (12V)



C2102 (Tuner_CVBS)

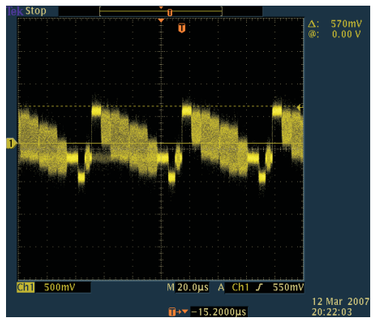


FB2205 (Y1)

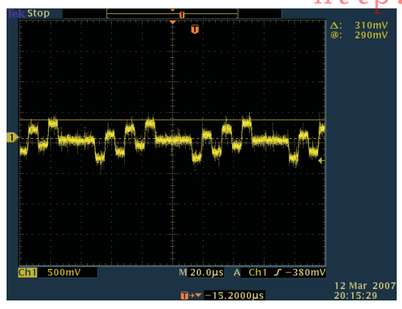


Waveform Diagram

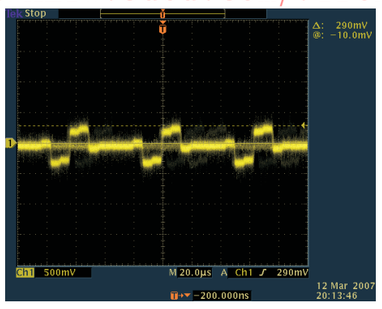
FB2207 (AV-CVBS)



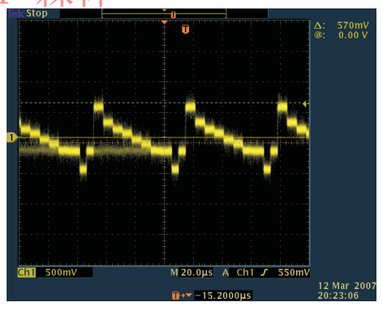
FB2206 (Pb1)



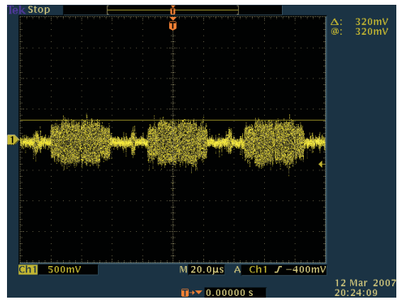
FB2204(Pr1)



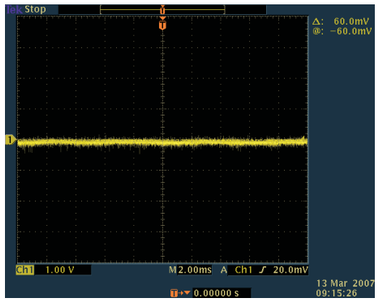
FB2208(SV_Y0)



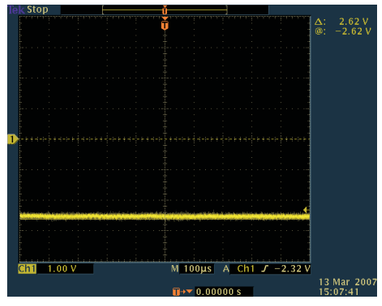
FB2209 (SV_C0)



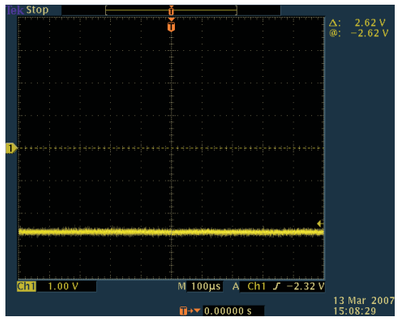
C2302 (HP_DET)



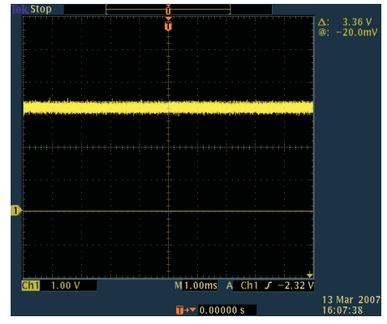
pin3 of CN2301(HPL)



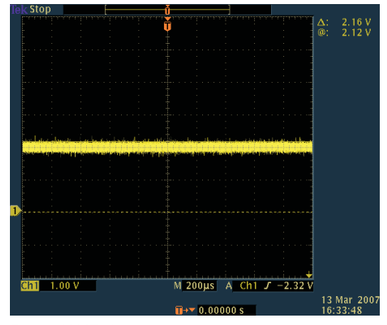
Pin2 of CN2301(HPR)



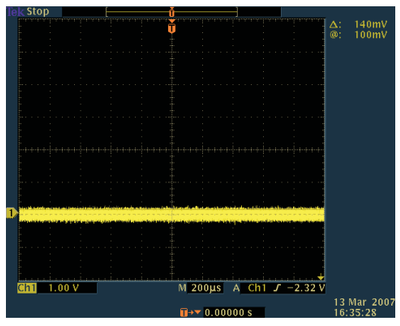
Pin 1 of Q5102 (DDC_WP)



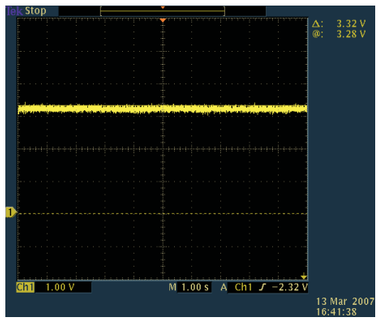
R4127(PC_TV-LED)



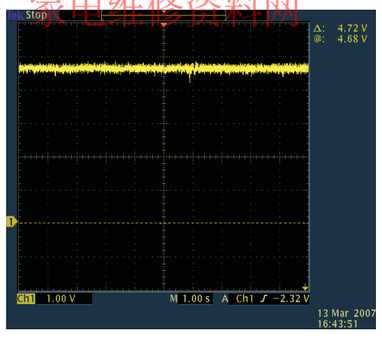
R4128(LED_SEL_OUT)



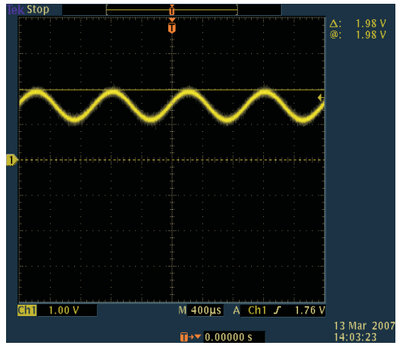
R4172(PWR_ON_OFF)



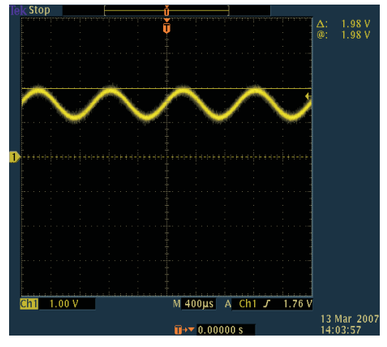
R4145(RC_IR)



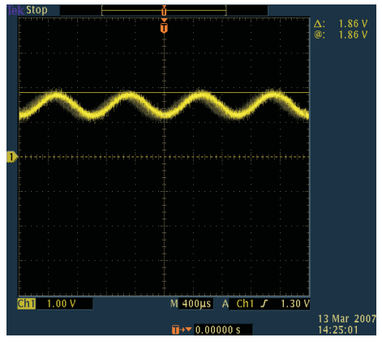
C6107(AUL1)



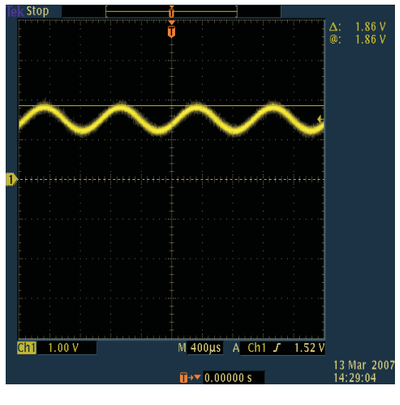
C6110(AUR2)



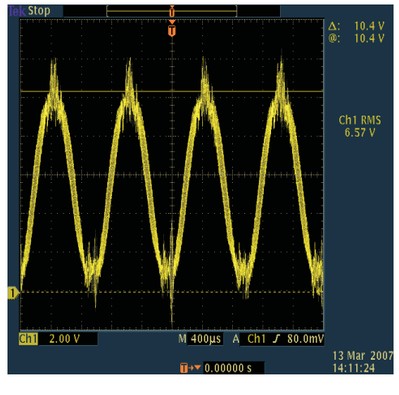
R6313(AUOoutR)



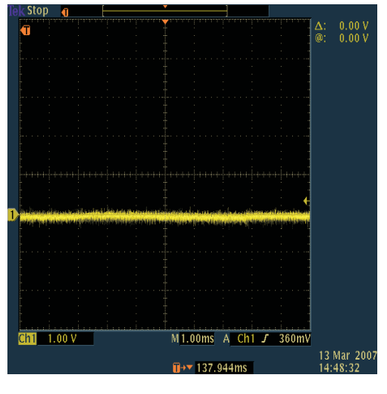
R6315(AUOutL)



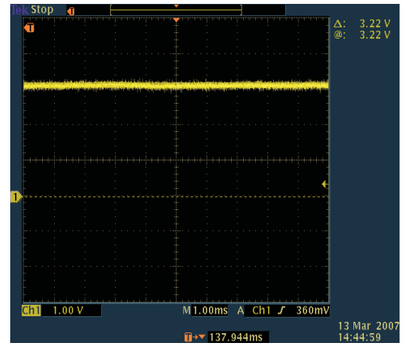
C6302(ROUT+)



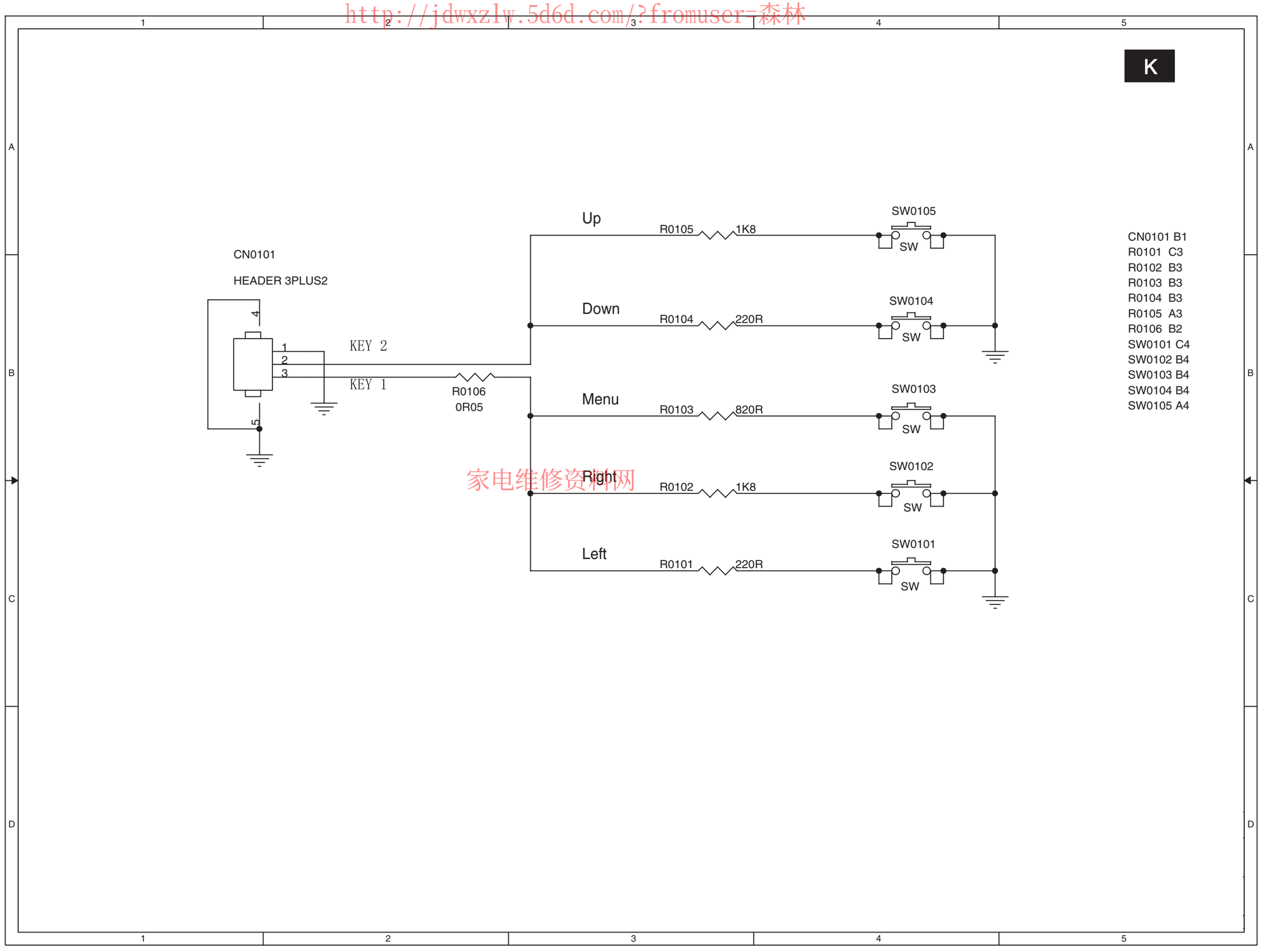
R6309(AMP_PW_STBY)



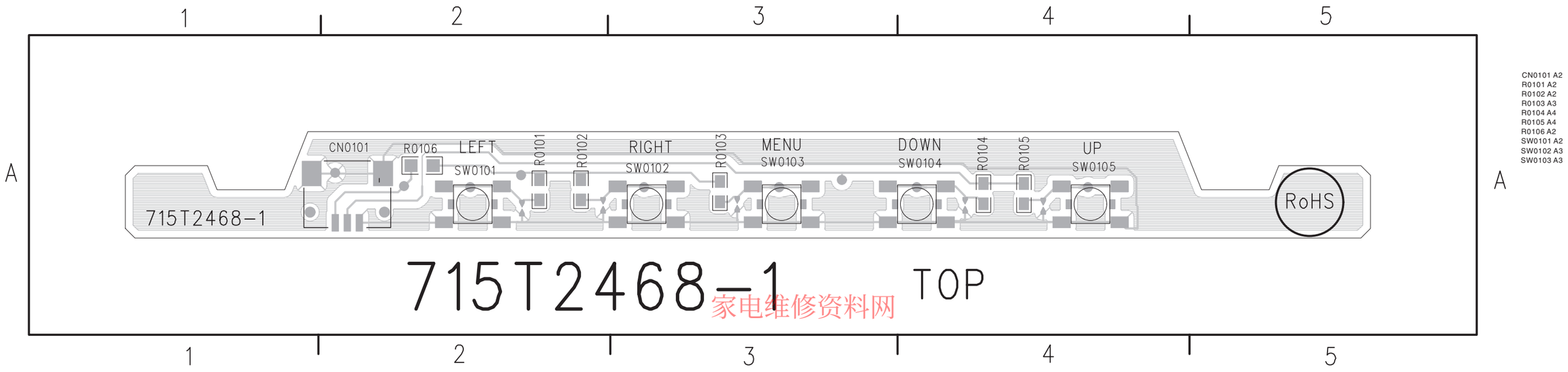
R4152(HP_PW_STBY)



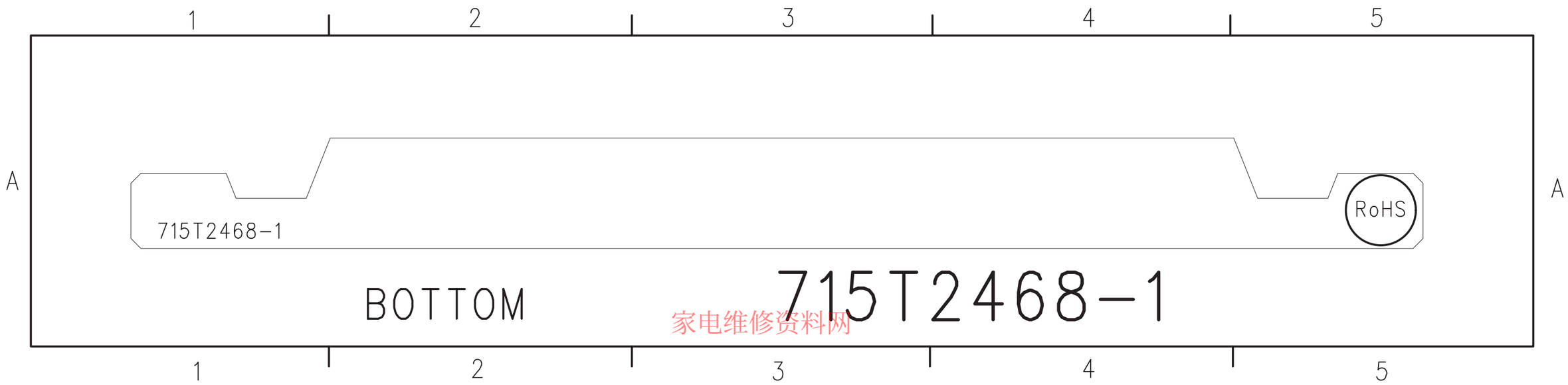
KEY Board Schematic Diagram



KEY Board Layout(Top Side)

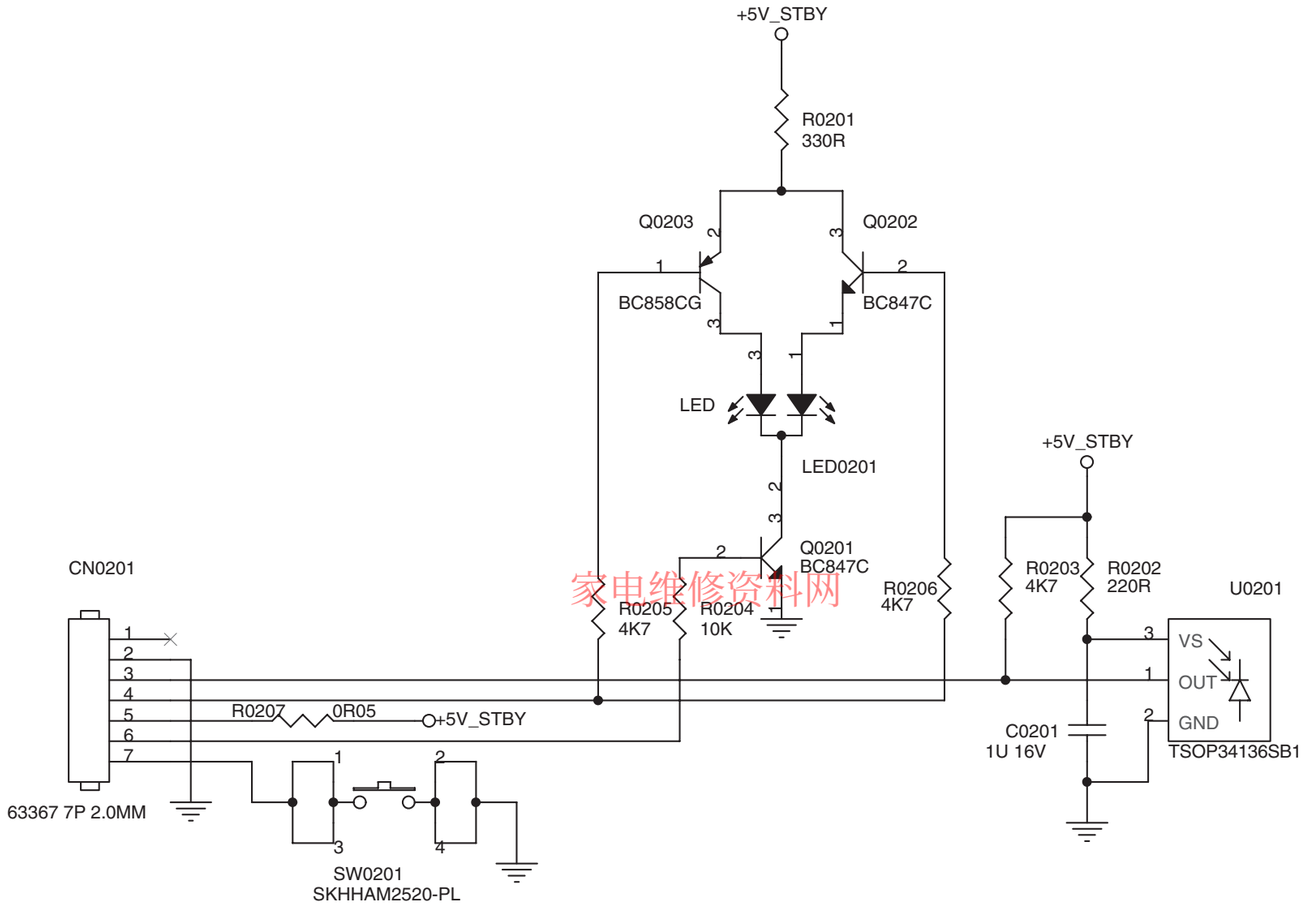


KEY Board Layout(Bottom Side)



IR Board Schematic Diagram

IR

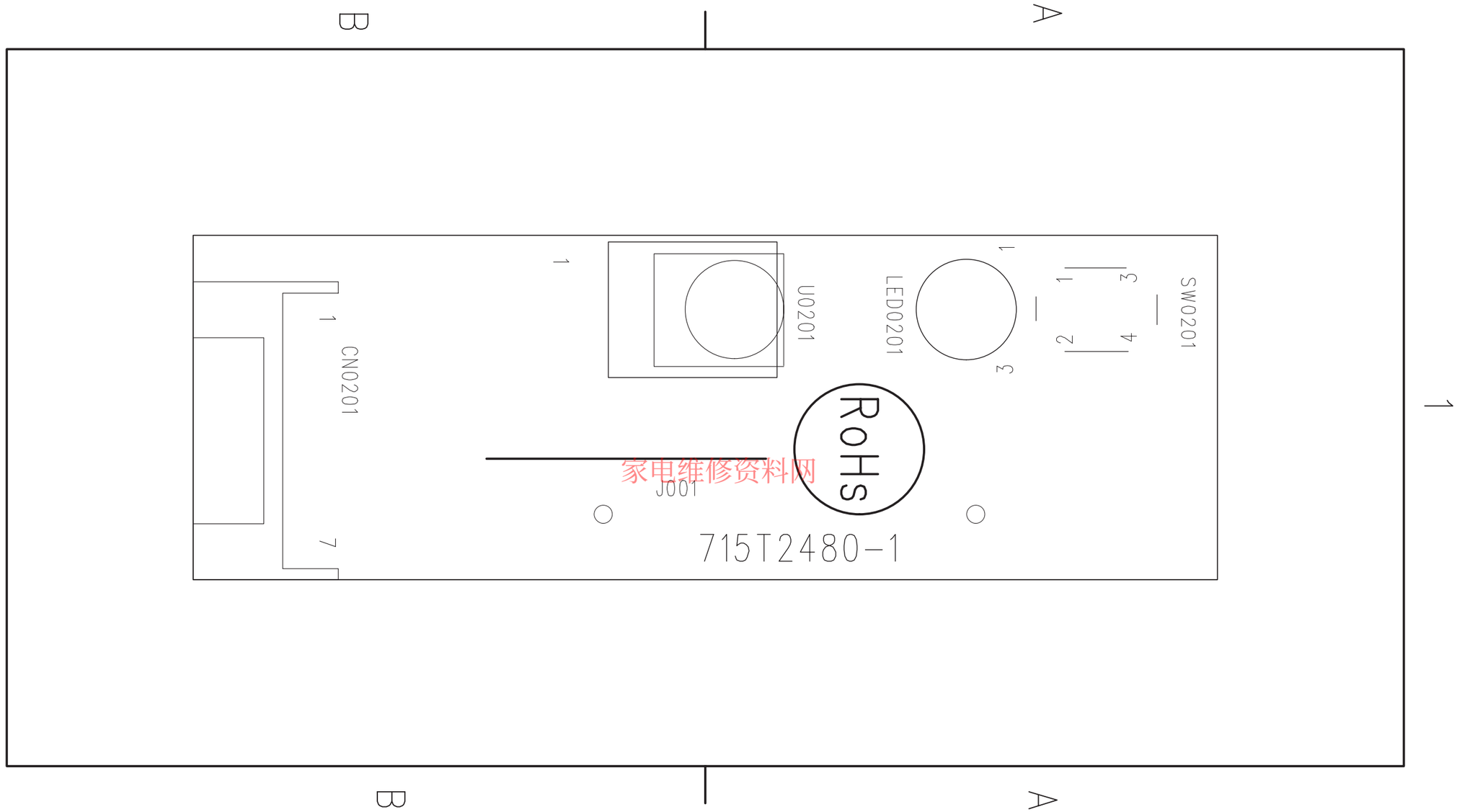


CN0201 C1
C0201 C4
ED0201 B3
Q0201 B3
Q0202 B3
Q0203 B3
R0201 A3
R0202 B4
R0203 B4
R0204 B3
R0205 B3
R0206 B4
R0207 C2
SW0201 C2
U0201 C4

Notes :

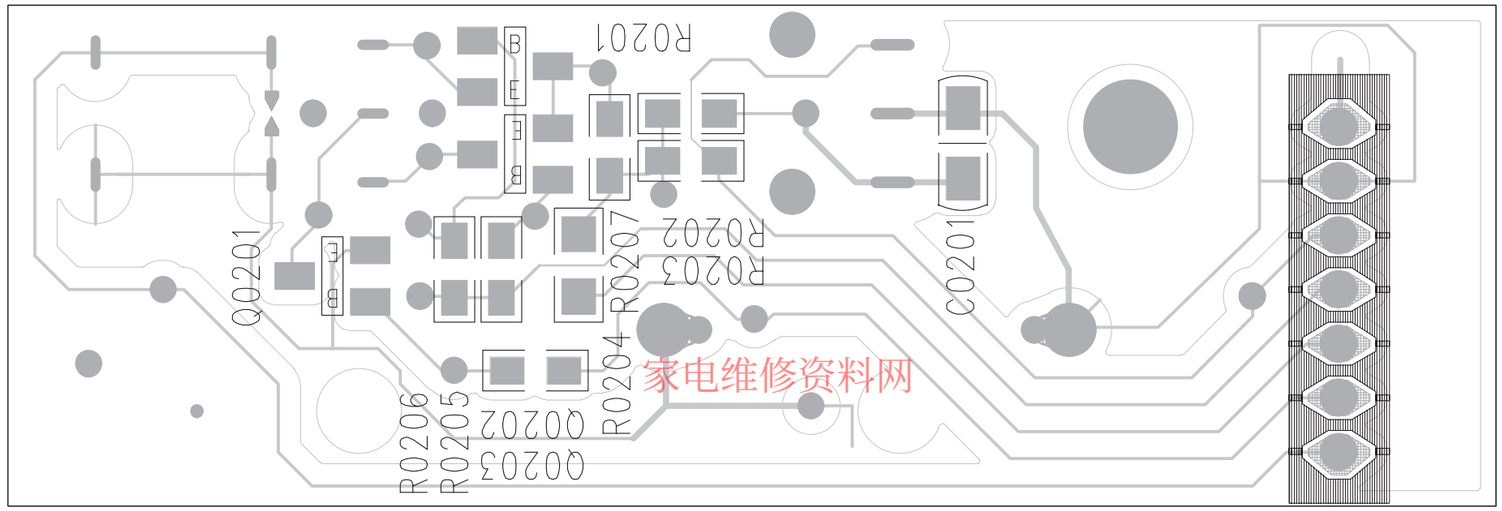
- IR Holder PART ID = P11T0001 1
- LED Holder PART ID = P11T0002 1

IR Board Layout(Top Side)

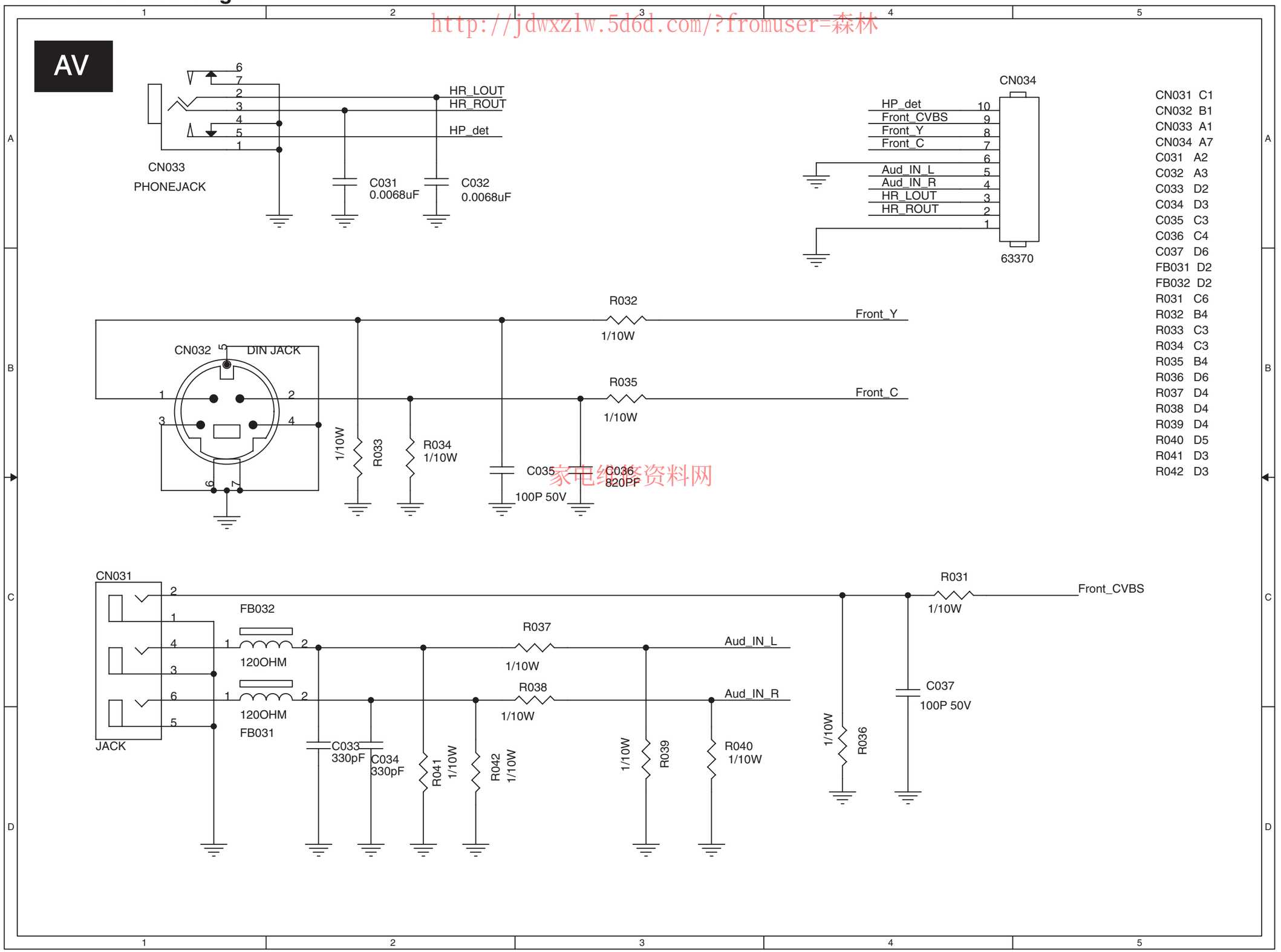


IR Board Layout(Bottom Side)

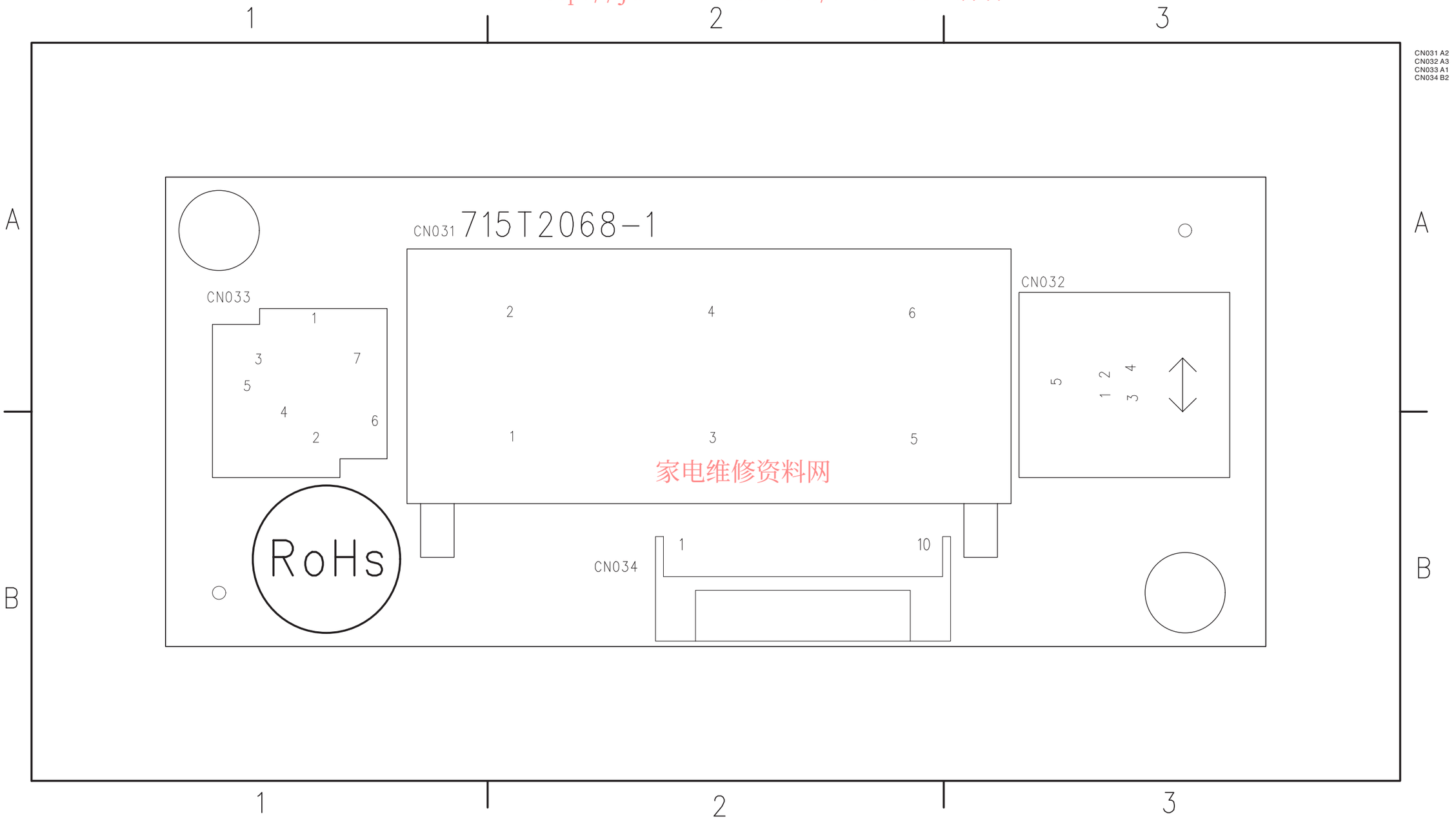
C0201 B1
Q0201 A1
Q0202 A1
Q0203 A1
R0201 A1
R0202 A1
R0203 A1
R0204 A1
R0205 A1
R0206 A1
R0207 A1



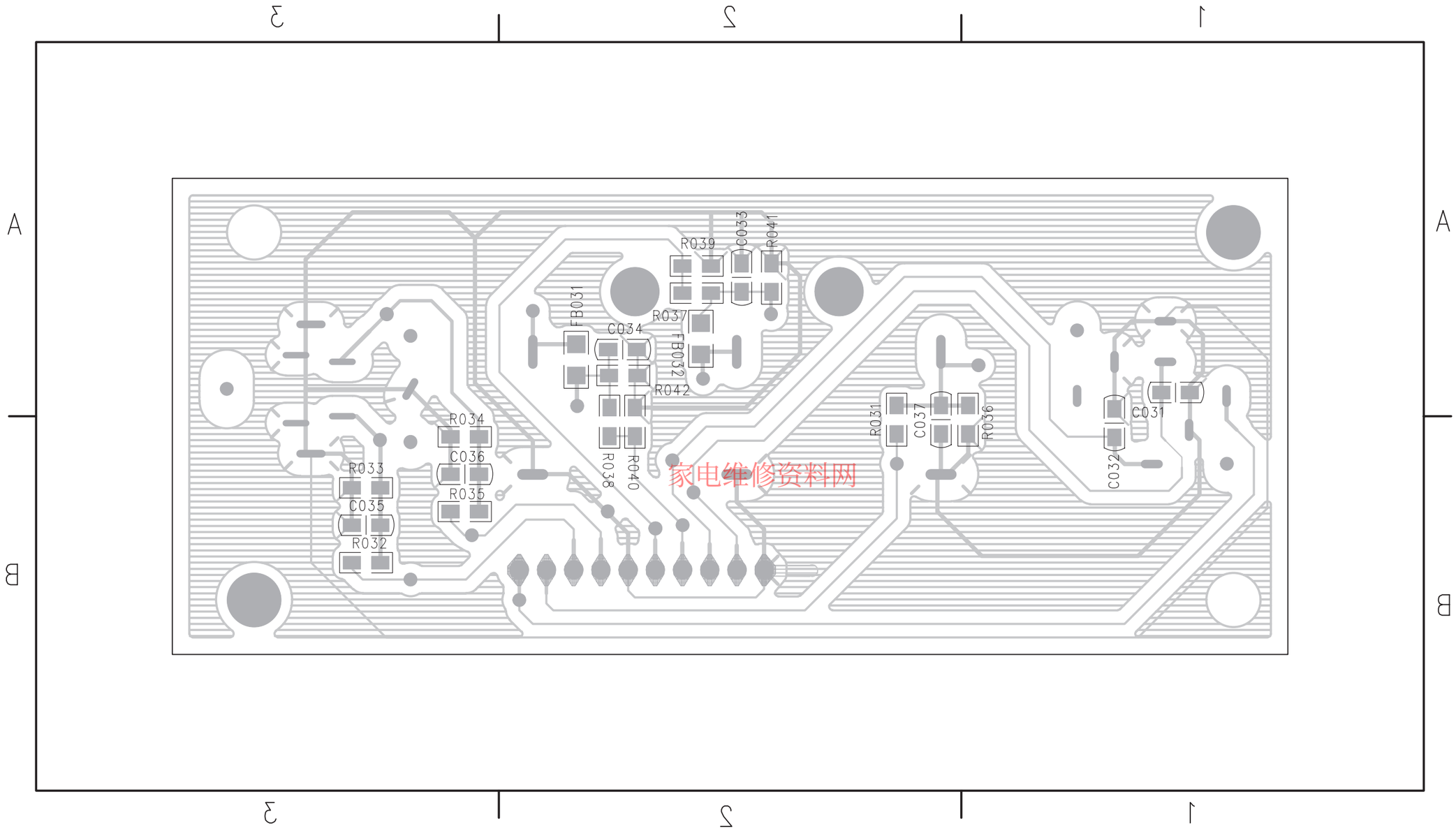
SideAV Board Schematic Diagram



SideAV Board Layout(Top Side)



SideAV Board Layout (Bottom Side)



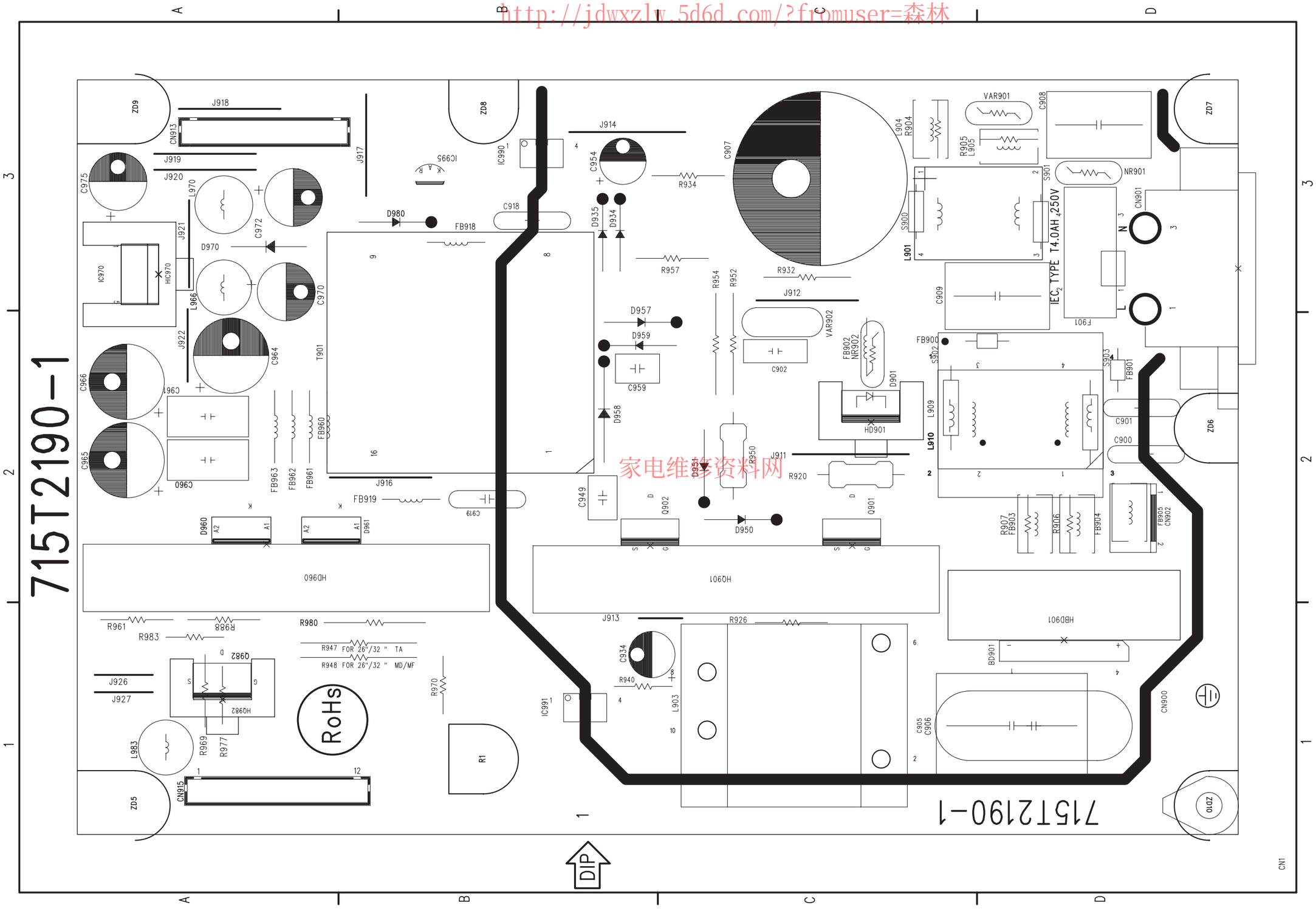
C031 A1
C032 B1
C033 A2
C034 A2
C035 B3
C036 B3
C037 B2
FB031 A2
FB032 A2
R031 B2
R032 B3
R033 B3
R034 B3
R035 B3
R036 B1
R037 A2
R038 B2
R039 A2
R040 B2
R041 A2
R042 A2

Power Board Schematic Diagram

P

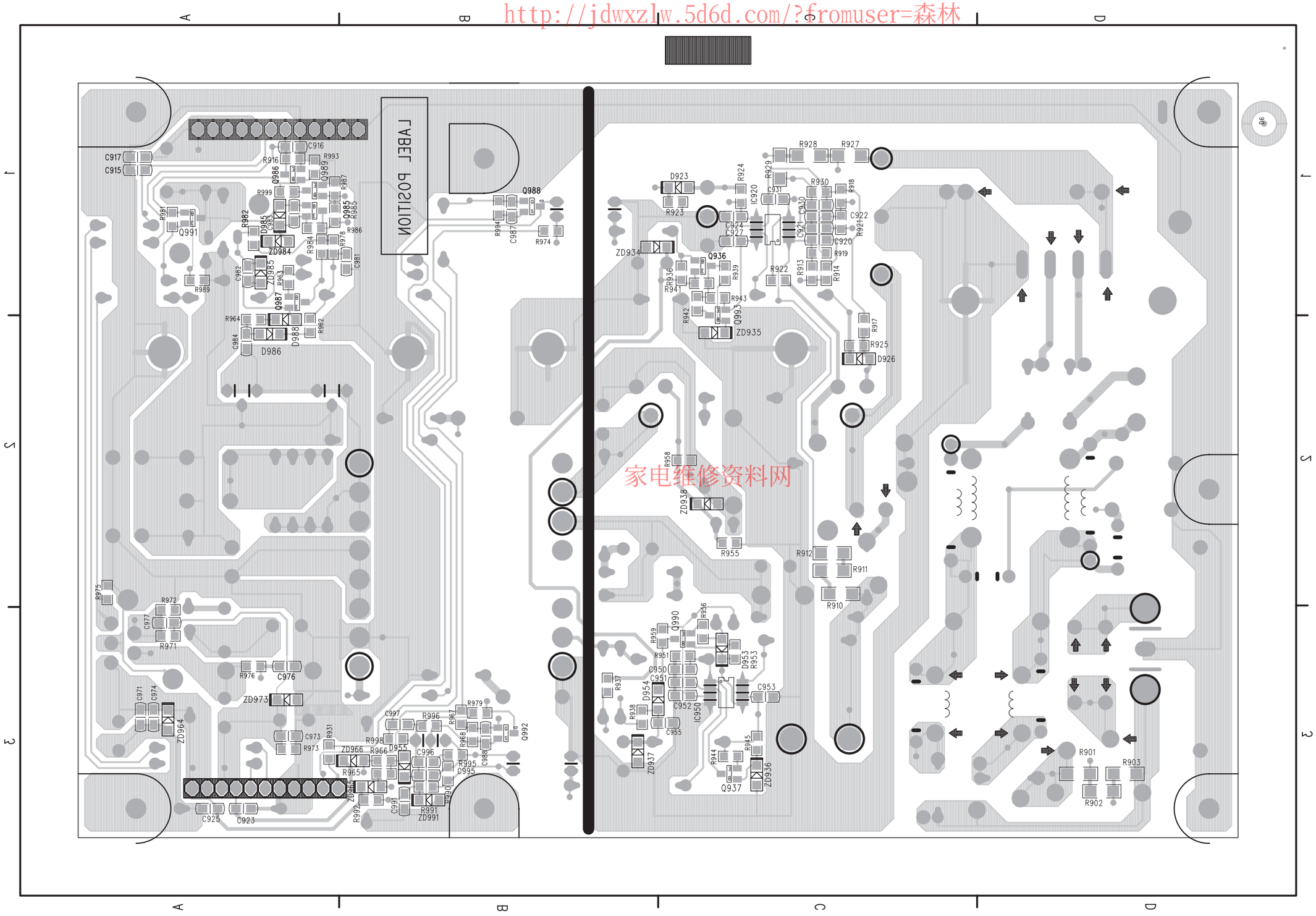
Note	R947	R948
For 26" and 32" MF/MD project	NI	Jump
For 26" and 32" TA project	Jump	NI

Power Board Layout (Top Side)



BD901 D1 IC990 B3
C900 D2 IC991 B1
C901 D2 IC995 B3
C902 C2 J911 C2
C905 D1 J912 C3
C906 D1 J913 C1
C907 C3 J914 C3
C908 D3 J916 B2
C909 D3 J917 B3
C918 B3 J918 A3
C919 B2 J919 A3
C949 B2 J920 A3
C954 B1 J921 A3
C959 B2 J922 A2
C960 A2 J926 A1
C961 A2 J927 A1
C964 A2 L901 D3
C965 A2 L903 C1
C966 A2 L904 C3
C970 A3 L905 D3
C972 A3 L909 D2
C975 A3 L910 D2
CN900 D1 L960 A3
CN901 D3 L966 A3
CN902 D2 L970 A3
CN913 A3 L983 A1
CN915 A1 NR901 D3
D901 C2 NR902 C2
D934 B3 Q901 C2
D935 B3 Q902 B2
D950 C2 Q982 A1
D951 C2 R904 C3
D957 C2 R905 D3
D958 B2 R906 D2
D959 B2 R907 D2
D960 A2 R920 C2
D961 A2 R926 C1
D970 A3 R932 C2
D980 B3 R934 B3
F901 D3 R940 B1
FB900 D2 R947 A1
FB901 D2 R948 A1
FB902 C2 R950 C2
FB903 D2 R952 C3
FB904 D2 R954 C2
FB905 D2 R957 C3
FB918 B3 R961 A1
FB919 B2 R969 A1
FB960 A2 R970 B1
FB961 A2 R977 A1
FB962 A2 R980 B1
FB963 A2 R983 A1
HBD901 D1 R988 A1
HD901 C2 S900 C3
HD960 A2 S901 D3
HIC970 A3 S902 C2
HQ901 C2 S903 D2
HQ982 A1 T901 B2
IC970 A3 VAR901 C3
IC990 B1 VAR902 C2
IC991 A3 ZD10 D1

Power Board Layout(Bottom Side)



C915 A1 R922 C1 ZD991 B3
C916 A1 R923 C1
C917 A1 R924 C1
C920 C1 R925 C2
C921 C1 R927 C1
C922 C1 R928 C1
C923 A3 R929 C1
C924 C1 R930 C1
C925 A3 R931 A3
C927 C1 R936 C1
C930 C1 R937 B3
C931 C1 R938 B3
C950 C3 R939 C1
C951 C3 R941 C1
C952 C3 R942 C1
C953 C3 R943 C1
C955 C3 R944 C3
C971 A3 R945 C3
C973 A3 R951 C3
C974 A3 R953 C3
C976 A3 R955 C2
C977 A3 R956 C3
C981 B1 R958 C2
C982 A1 R959 C3
C983 A1 R962 A2
C984 A2 R963 A1
C987 B1 R964 A2
C988 B3 R965 B3
C991 B3 R966 B3
C995 B3 R967 B3
C996 B3 R968 B3
C997 B3 R971 A3
D923 C1 R972 A3
D926 C2 R973 A3
D953 C3 R974 B1
D954 B3 R975 A2
D955 B3 R976 A3
D985 A1 R978 A1
D986 A2 R979 B3
D988 A2 R981 A1
IC920 C1 R982 A1
IC950 C3 R984 A1
Q936 C1 R985 A1
Q937 C3 R986 A1
Q985 A1 R987 A1
Q986 A1 R989 A1
Q987 A1 R990 B3
Q988 B1 R991 B3
Q989 A1 R992 B3
Q990 C3 R993 A1
Q991 A1 R994 B1
Q992 B3 R995 B3
Q993 C2 R996 B3
R901 D3 R998 B3
R902 D3 R999 A1
R903 D3 ZD934 B1
R910 C2 ZD935 C2
R911 C2 ZD936 C3
R912 C2 ZD937 B3
R913 C1 ZD938 C2
R914 C1 ZD964 A3
R916 A1 ZD965 B3
R917 C2 ZD966 B3
R918 C1 ZD973 A3
R919 C1 ZD984 A1
R921 C1 ZD985 A1

8. Alignments

Index of this chapter:

Notes: You could adjust the LCD/TV following this chapter when the LCD/TV has the below defect.
1. Change panel. 2. Change or repair main board. 3. LCD/TV color is not right. 4. The settings are disabled.

8.1 Electrical Instructions

8.1.1 TV mode display adjustment

8.1.1.1 White balance adjustment (B)

General set-up:
Equipment Requirements: Color analyzer.

Input requirements:
Input Signal Type : RF signal
Set to PAL D/K system, frequency=184.25MHz (for China model) with white pattern of 100%

Input Signal Strength : 10mV (80 dBuV) terminal voltage.
Input Injection Point : TV Tuner input

Initial Set-up : Apply full white pattern, select smart setting to be PERSONAL (Brightness 50, Contrast 50, and Color 50). Adjusting SCALER GAIN R G B to reach W/D and luminance in factory mode as below.
Select Color Temp in the factory Mode OSD.
The 1931 CIE chromaticity (X, Y) co-ordinates shall be:

Alignment : Adjust the factory "CLR_TEMP_R/ CLR_TEMP_G / CLR_TEMP_B"
To met NORMAL, COOL and WARM color temperature requiremet.
[Enter factory key 062596 by remoted number key]

Output Detection Points : Screen center.

Color Temp	x	y
Normal	0.291 ± 0.005	0.302 ± 0.005
Warm	0.314 ± 0.005	0.324 ± 0.005
Cool	0.273 ± 0.005	0.280 ± 0.005

If you have not CA-210, the following R,G and B values are for your reference.

Color Temp	R	G	B
Normal	122	122	122
Warm	124	124	120
Cool	120	120	124

8.1.2 PC Mode Adjustment

8.1.2.1 White balance adjustment (B)

General set-up :
Equipment Requirements: PC signal / Color analyzer.

Input requirements:
Input Signal Type : PC R/G/B analog TTL separate Sync signal.
Timing = 1024x768/60Hz.

Input Signal Strength : 700mV.
Input Injection Point : D-Sub

Initial setting : Set Brightness 100 and Contrast 50 and apply 1024X768 @60Hz mode with 50 Black and 50 White pattern at the factory mode

Adjustment : Activate AUTO-COLOR function for auto ADC offset and gain setup.
Color Temp alignment is automatically set during TV alignment.

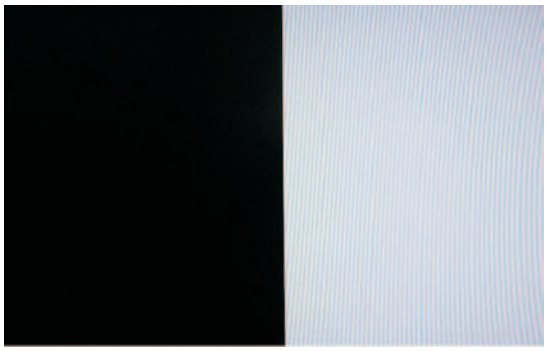


Figure 1:50-Black 50-White

Apply full white pattern , check picture must satisfy table 8.1.2.

Table 8.1.2:Reading in Minolta CA-210.

Color Temp	x	y
Normal	0.291 ± 0.005	0.302 ± 0.005
Warm	0.314 ± 0.005	0.324 ± 0.005
Cool	0.273 ± 0.005	0.280 ± 0.005

Luminance> 450 cd/m^2 in the center of the screen when both PC Brightness and Contrast control are 100%.

8.1.3 Comp video mode display adjustment

8.1.3.1 White balance adjustment (B)

General set-up:
Equipment : Quantum Data Pattern Generator 801GD or 802G or 802R;
Apply 576i, and the pattern STMPEbar shown in figure 2.

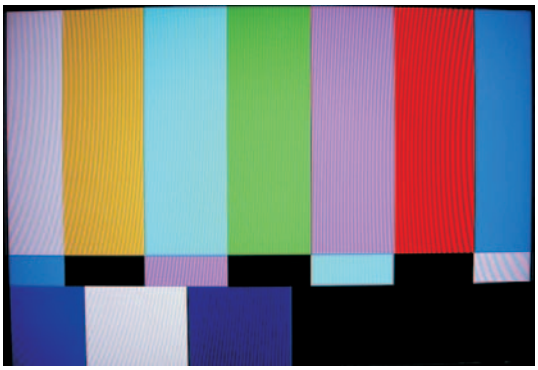


Figure 2. SMTPEbar

Alignment method:
Initial Set-up : Set Smart picture as □Personal□(Brightness=50, Contrast=50, Color=50);
Access to factory OSD first, then to enable AUTO-COLOR to get HD ADC OFFSET and HD ADC GAIN. Check 32 gray scales can be distinguishable.
Alignment : Color Temp alignment is automatically set during TV alignment

Table 8.1.3: Reading in Minolta CA-210.

Color Temp	x	y
Normal	0.291 ± 0.005	0.302 ± 0.005
Warm	0.314 ± 0.005	0.324 ± 0.005
Cool	0.273 ± 0.005	0.280 ± 0.005

If you have not CA-210,the following R, G and B values are for your reference.

Color Temp	R	G	B
Normal	122	122	122
Warm	124	124	120
Cool	120	120	124

8.2 ISP Instructions

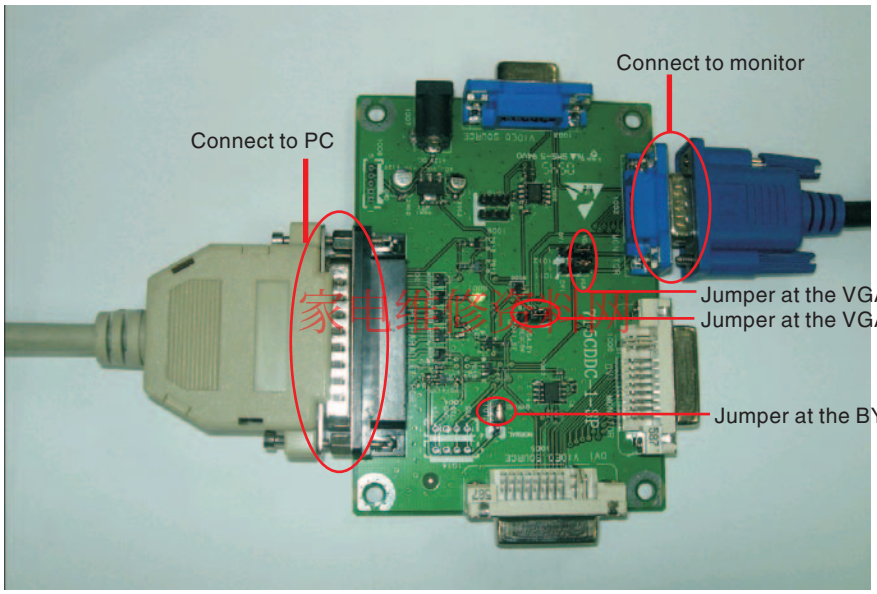
Step 1. Install USB driver to your computer from the ISP board USB Driver file.
ISP_TOOL V4.2.0 TPV (958KB,Created day: 2007.01.26)

2. Save the BIN files to your computer, the F3_CH26_WXGA_1256_V176233.bin file is used for 26□ model; the F3_CH32_WXGA_1256_V176233.bin is for 32□ model.

F3_CH32_WXGA_1256
_V176233.bin

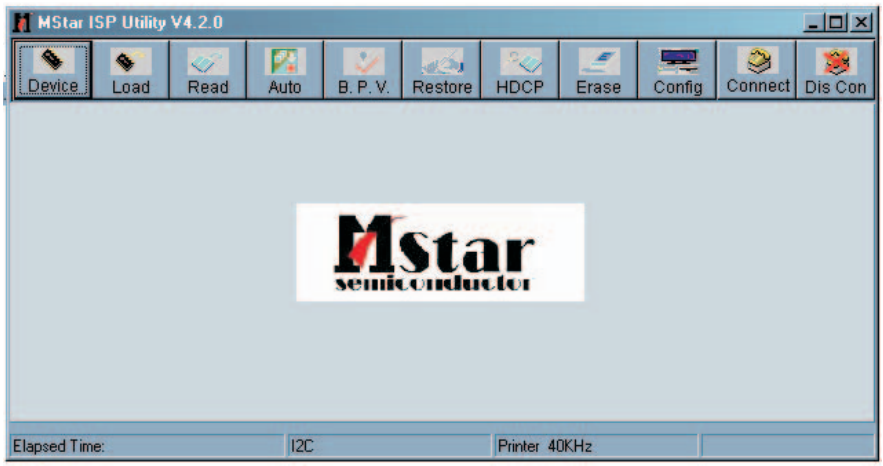
F3_CH26_WXGA_1256
_V176233.bin

Step 2: Connect to ISP Board,P/N:3138 106 10396.

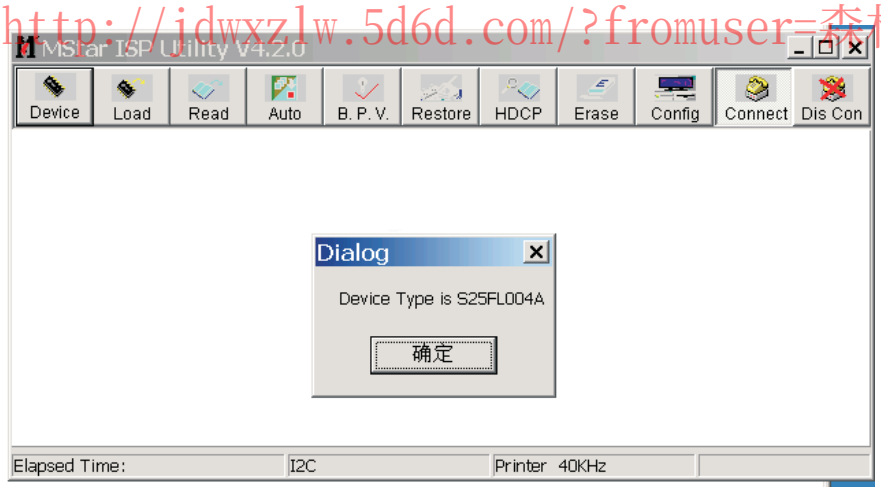


Step 3: Update TV.

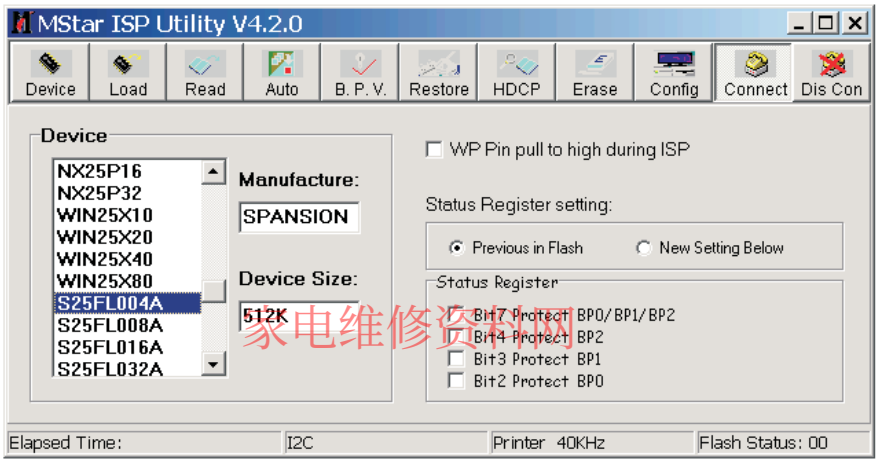
I. Open the ISP_TOOL V4.2.0 TPV.EXE



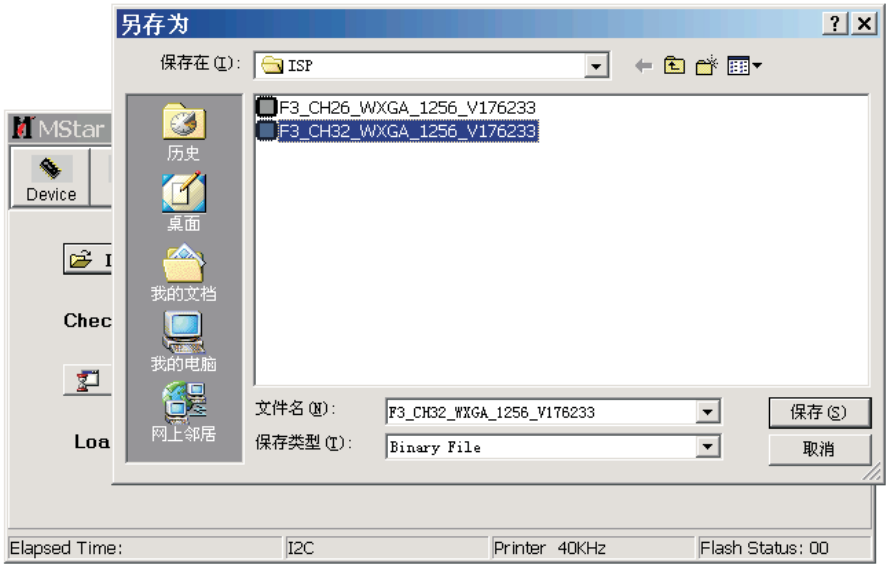
2. Click "connect",



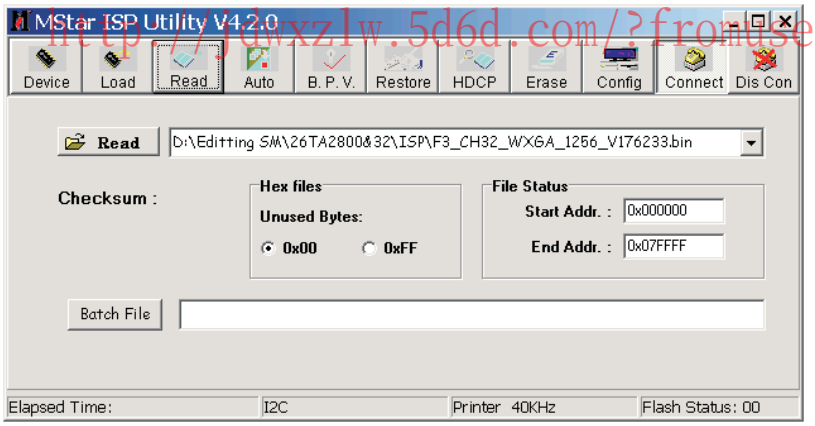
3. Click "Device" to choose the device type S25FL004A.

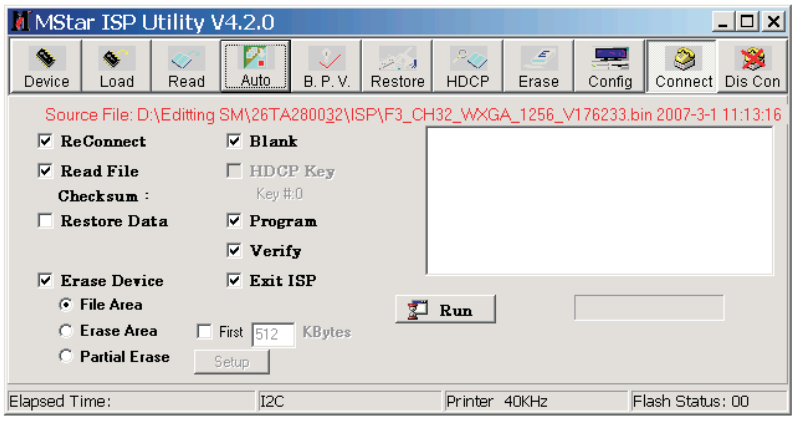


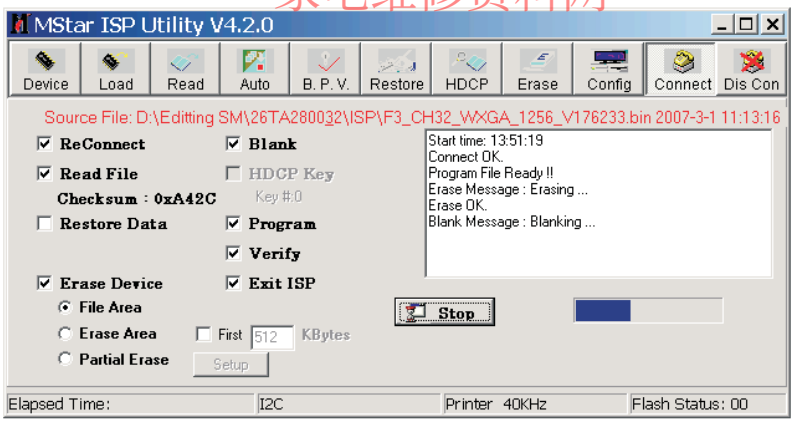
4. Click "Load" to choose the corresponding ISP software according the model. .

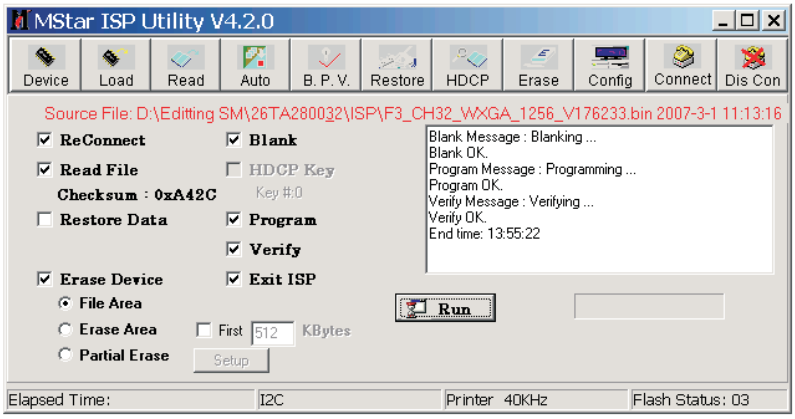


5. Click "Read", then click "Auto", and run it until OK.





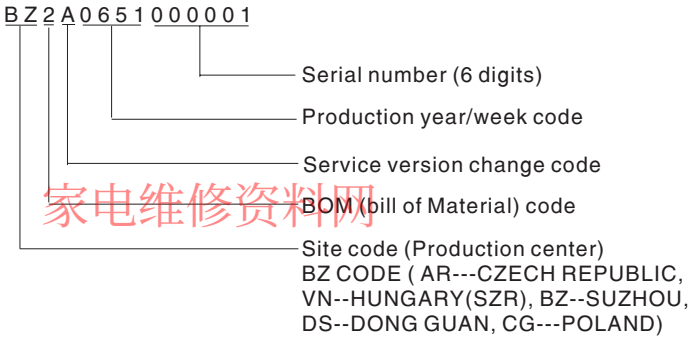




8.3 Serial Number Definition

BOM Code:

PANEL SUPPLIER	CODE
AU	1
CPT	2
LPL(LG)	3
QDI	4
CMO	5
HSD	6
SVA	7



9. Circuit Descriptions, Abbreviations List and IC Data Sheets

Index of this chapter

9.1 Circuit Descriptions

9.1.1 General Description

This LCD-TV F3 AL2 platform supports PC analog input up to 1366X768 60Hz mode for WXGA panel. It supports ATV (RF) NTSC, PAL and SECAM. Besides that it supports YC, CVBS and also YPbPr signal input from SDTV to HDTV (480i/p, 576i/p, 720p, 1080i/p).

This F3 AL2 platform LCD - TV uses M-star MST96889 which has embedded ADC for HD/Analog D-sub input, digital port for DMI/DVI decoder digital data input, SD ADC for CVBS/YC input, video decoder, audio demodulator, audio decoder, TT decoder, Microcontroller, OSD engine and up / down scaler.

M-star MST96889 is a high performance and fully integrated IC for multi-function LCD TV/Monitor with resolutions up to SXGA/WXGA. It is a multi-standard TV video and audio decoder. MST96889 supports all NTSC/PAL/SECAM standards video decoder, Nicam/A2/FM stereo& SAP demodulation audio decoder, LVDS transmitter, and TV decoder.

The MST96889 enables consumer electronics manufactures to build high quality, feature-rich ATV.

MST96889 embeds the 3D motion de-interlace to generate very smooth picture quality for motion. 3D comb filter also recoveries high detail for still picture. The special color processing technology provides favorite and natural color for TV.

To enrich the features of ATV, MST96889 adds HDMI receiver to support digital signal in HDMI/DVI with HDCP function, integrated with high speed VGA ADC, high resolution Video/Audio ADC, 90dB Audio DAC and 10-bit Video DAC. It will provide very fine quality for TV.

9.1.2 MST96889 IC Function Description

9.1.2.1 MST96889

Host CPU

- Embedded 8032 micro controller
- Configurable PWM□s and GPIO□s
- Low spped ADC inputs for system control.
- SPI bus for external flash
- Supports exetermal MCU option controlled through 4-wire double-data-ratedirect MCU bus
- Build-in CPI analyzer

Transport De -multiplexer

- Integrated DVI/HDCP/HDMI receiver
- Integrated multi-standard TV video and audio decoder
- Integrated 8-bit MCU
- Integrated Ouput panel interface
- Integrated Video de-interlacer and Scaling

NTSC/PAL/SECAM Video Decoder

Supports NTSC M, NTSC-J, NTSC-4.43, PAL (B,D,G,H,M,N,I,Nc), and SECAM
- Automatic TV standard detection
- Motion adaptive 3-D comb filter for NTSC/PAL
- 8 configurable CVBS & Y/C S-video inputs
- Supports Teletext level-1.5, WSS, VPS, Closed-caption, and V-chip
- Macrovision detection
- CVBS video output

Multi-Standard TV Sound Decoder

- Supports BTSC/NICAM/A2/EIA-J demodulation and decoding
- FM stereo & SAP demodulation
- L/Rx4, mono, and SIF audio input
- L/R loudspeaker and line outputs -
- Supports sub-woofer output
- Built-in audio output DACs
- Audio processing for loudspeaker channel, including volume, balance, mute, tone, EQ, and virtual stereo/surround

Digital Audio Interface

- I2S digital audio input & output
- S/PDIF digital audio input & output
- HDMI audio channel processing capability
- Programmable delay for audio/video synchronization

OSD Plane

- 16/256-color palette
- 256/512 1-bit/pixel font
- 128/256 4-bit/pixel font
- Supports texture function
- Supports 4K attribute/code
- Horizontal and vertical stretch of OSD menus
- Pattern generator for production test
- Supports OSD MUX and alpha blending
- Capability
- Supports blinking and scrolling for closed
- Caption applications

Video Plane

- 3-D motion adaptive video deinterlacer
- Edge-oriented adaptive algorithm for smooth low-angle edges
- Automatic 3:2 pull-down & 2:2 pull-down detection recovery
- MStar 3rd Generation Advanced Color Engine (MStarACE-3) gives:
  - Brilliant and fresh color
  - Intensified contrast and details
  - Vivid skin tone
  - Sharp edge
  - Enhanced depth of field perception
  - Accurate and independent color control
  - sRGB compliance allows end-user to experience the same colors as viewed on CRTs and other displays
  - .Programmable 12-bit RGB gamma CLUT
  - 3-D video noise reduction
  - Frame rate conversion
  - Three analog ports support up to 150MHz
  - Supports PC RGB input up to SXGA@75Hz
  - Fast blanking and function selection switch support full SCART functions
  - Supports HDTV RGB/YPbPr/YCbCr up to 1080P
- Supports Composite Sync and SOG port
- Automatic color calibration

TV Encoder

4 DAC to support VGA or SVM/R/G/B

LVDS

8-bit LVDS/TTL Panel Interface
- Supports dual link LVDS up to SXGA@75Hz
- Supports 8-bit single TTL panel
- Supports 2 data output formats: Thine & TI data mappings
- Compatible with TIA/EIA
- With 6/8 bits options
- Reduced swing for LVDS for low EMI
- Supports flexible spread spectrum frequency with 360Hz~11.8MHz and up to 25% modulation

CVBS In

- On chip 54MHZ 10 bit video ADC
- Support PAL (B,G,D,H,M,N,I,Nc) , NTSC, NTSC-4.43 , SECAM
- Macrovision detection
- NTSC / PAL support 3D Motion Adaptive comb filter and SECAM support 2D comb filter
- Motion Adaptive 3D Noise Reduction built in
- VBI data slicer for CC/TT decoding
- Supporting 4 CVBS, 2 S-video

VGA In

- Support VGA input up to UXGA 150Hz
- Support full VESA standards

Component Video In

- Support two-component video input
- Support 480i / 480p / 576i / 576p /720p /1080i

Digital Video In I/F

- One 16 bit digital video in I/F

Audio line In I/F

- 1 bit (Two channel)

HDMI Receiver

- HDMI 1.1
- DVI 1.0
- EIA/CEA-861B
- HDCP 1.1

Audio DAC

- On chip 4 audio DAC support R/L channel and subwoofer output

DRAM Controller

- 16-bit data bus for external frame buffer (SDR or DDR DRAM)
- All system clocks synthesized from a single external clock

9.2 Abbreviations List

CSM	Customer Service Mode
ATSC	Advanced Television Systems Committee, the digital TV standard in the USA
DVD	Digital Versatile Disc
EEPROM	Electrically Erasable and Programmable Read Only Memory
3DNR	Temporal (3D) Noise Reduction
AGC	Automatic Gain Control: algorithm that controls the video input of the feature box
FM	Field Memory or Frequency Modulation
AM	Amplitude Modulation
AP	Asia Pacific
ASF	Auto Screen Fit: algorithm that adapts aspect ratio to remove horizontal black bars without discarding video information
ATV	See Auto TV
Auto TV	A hardware and software control system that measures picture content, and adapts image parameters in a dynamic way
AV	External Audio Video
AVIP	Audio Video Input Processor
B/G	Monochrome TV system. Sound carrier distance is 5.5 MHz
ComPair	Computer aided rePair
CP	Connected Planet / Copy Protection
CSS	Content Scrambling System; An encryption method for MPEG-2 video on DVDs. The algorithm and keys required to decode the disc are stored on the DVD-player
CVBS	Composite Video Blanking and Synchronization
DFU	Directions For Use: owner's manual
DNR	Digital Noise Reduction: noise reduction feature of the set
DSP	Digital Signal Processing
DST	Dealer Service Tool: special remote control designed for service technicians
DTCP	Digital Transmission Content Protection; A protocol for protecting digital audio/video content that is traversing a high speed serial bus, such as IEEE-1394
DVI(-d)	Digital Visual Interface (d= digital only)
EAS	Emergency Alert Signalling; A cable TV standard (SCTE18) to signal emergency information to digital terminal devices
E-DDC	Enhanced Display Data Channel (VESA standard for communication channel and display). Using E-DDC, the video source can read the EDID information form the display.
EDID	Extended Display Identification Data (VESA standard)
EMI	Electro Magnetic Interference
EMM	Entitlement Management Message
EPLD	Erasable Programmable Logic Device
EU	Europe
FBL	Fast BLanking: DC signal accompanying RGB signals
FDS	Full Dual Screen (same as FDW)
FDW	Full Dual Window (same as FDS)
FLASH	FLASH memory
FTV	Flat TeleVision
H	H_sync to the module
HD	High Definition
HDD	Hard Disk Drive

NTSC	National Television Standard Committee. Color system mainly used in North America and Japan. Color carrier NTSC M/N= 3.579545 MHz, NTSC 4.43= 4.433619 MHz (this is a VCR norm, it is not transmitted off-air)
NVM	Non-Volatile Memory: IC containing TV related data such as alignments
OSD	On Screen Display
PLL	Phase Locked Loop. Used for e.g.
LVDS	Low Voltage Differential Signalling
PAL	Phase Alternating Line. Color system mainly used in West Europe (color carrier= 4.433619 MHz) and South America (color carrier PAL M= 3.575612 MHz and PAL N= 3.582056MHz)
PCB	Printed Circuit Board (same as PWB)
PCM	Pulse Code Modulation
PWB	Printed Wiring Board (same as "PCB")
PWM	Pulse Width Modulation
QAM	Quadrature Amplitude Modulation;modulation method
RAM	Random Access Memory
RGB	Red, Green, and Blue. The primary color signals for TV. By mixing levels of R, G, and B, all colors (Y/C) are reproduced.
RC	Remote Control RC5 / RC6 Signal protocol from the remote control receiver
RESET	RESET signal
ROM	Read Only Memory
SAM	Service Alignment Mode
SCART	Syndicat des Constructeurs d'Appareils Radiorecepteurs et Televisieurs
SCL	Serial Clock I2C
SCL-F	CLock Signal on Fast I2C bus
SD	Standard Definition
SDA	Serial Data I2C
SDA-F	DAta Signal on Fast I2C bus
SDI	Serial Digital Interface, see ITU-656
SDRAM	Synchronous DRAM
SECAM	SEequence Couleur Avec Memoire. Color system mainly used in France and East Europe. Color carriers= 4.406250 MHz and 4.250000 MHz
SIF	Sound Intermediate Frequency
SMPS	Switched Mode Power Supply
SOG	Sync On Green
SOPS	Self Oscillating Power Supply
I2C	Integrated IC bus
I2D	Integrated IC Data bus
I2S	Integrated IC Sound bus
IB	In Band channel
IF	Intermediate Frequency
Interlaced	Scan mode where two fields are used to form one frame. Each field contains half the number of the total amount of lines. The fields are written in "pairs", causing line flicker.
IR	Infra Red
IRQ	Interrupt Request
LATAM	Latin America
LCD	Liquid Crystal Display
LED	Light Emitting Diode
LPL	LG.Philips LCD (supplier)
MUTE	MUTE Line

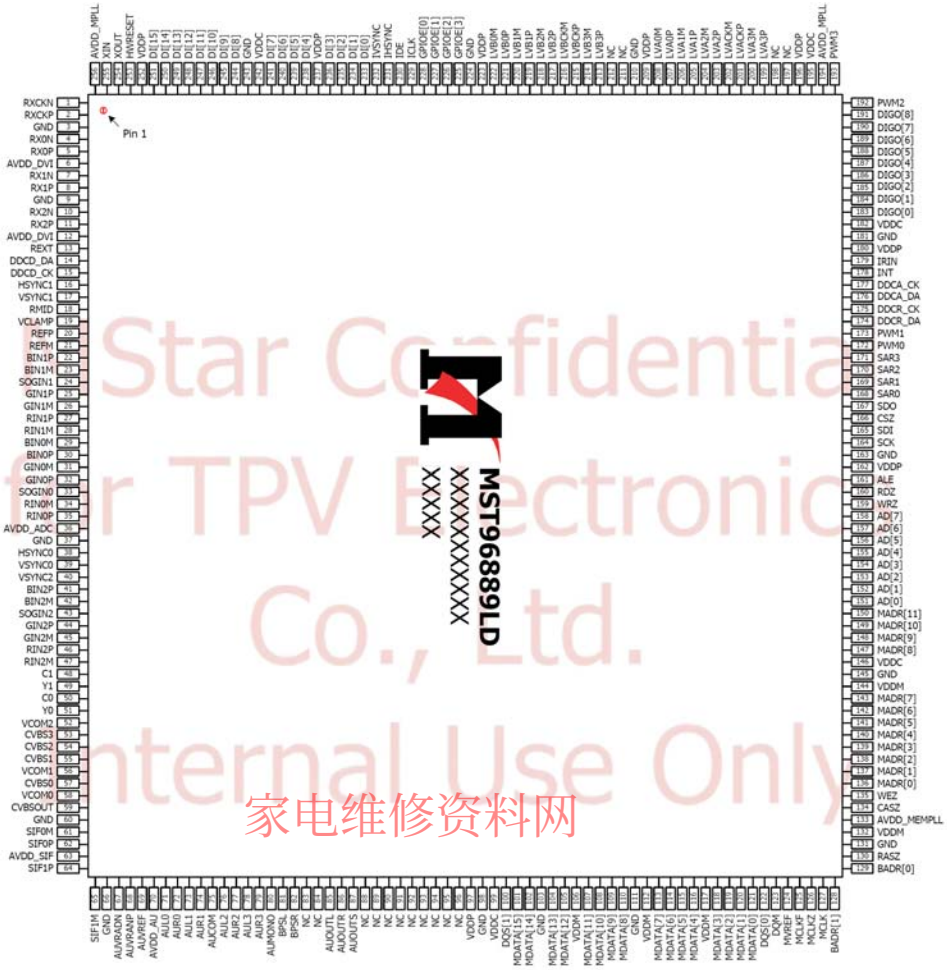
TFT	Thin Film Transistor
SRAM	Static RAM
STBY	STandBY
SOG	Sync On Green
SVGA	800x600 (4:3)
SVHS	Super Video Home System
SW	Software
SWAN	Spatial temporal Weighted Averaging Noise reduction
SXGA	1280x1024
TMDS	Transmission Minimized Differential Signalling
UXGA	1600x1200 (4:3)
V	V-sync to the module
VCR	Video Cassette Recorder
VESA	Video Electronics Standards Association
VGA	640x480 (4:3)
VL	Variable Level out: processed audio output toward external amplifier
VSB	Vestigial Side Band; modulation method
WYSIWYR	What You See Is What You Record: record selection that follows main picture and sound
WXGA	1280x768 (15:9)
XGA	1024x768 (4:3)
Y	Luminance signal
YPbPr	Component video. Luminance and scaled color difference signals (B-Y and R-Y)

9.3 IC Data Sheets

This section shows the internal block diagrams and pin configurations of ICs that are drawn as "black boxes" in the electrical diagrams (with the exception of "memory" and "logic" ICs).

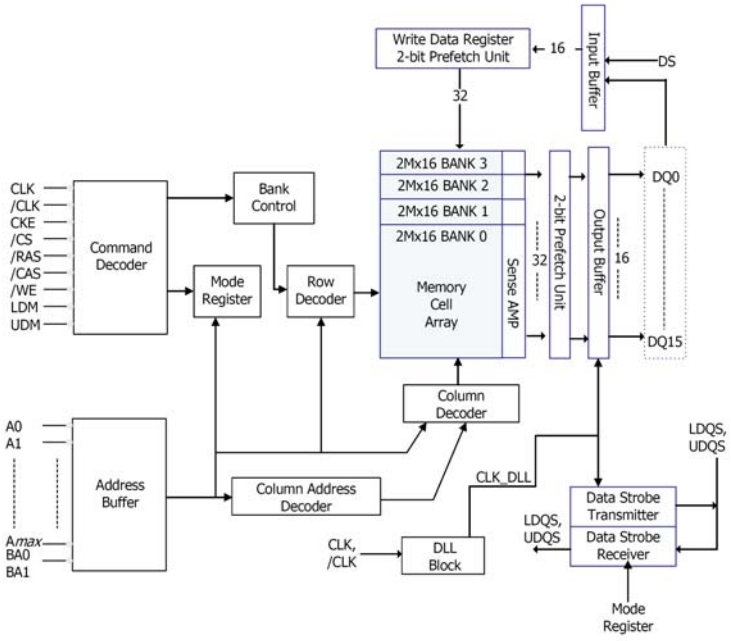
9.3.1 IC Data Sheets-MST96889L(U4101)

Pin Configuration

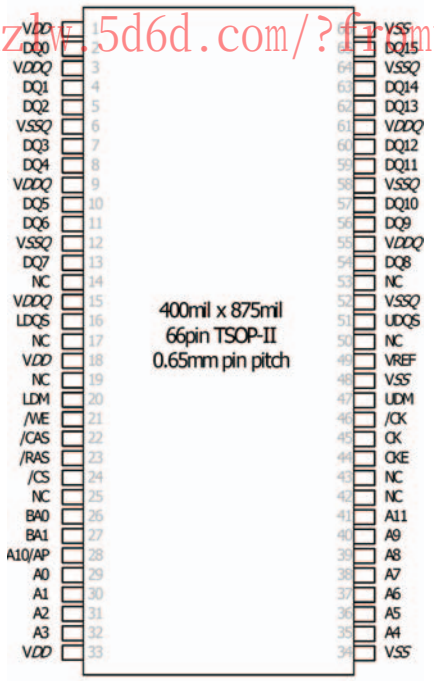


9.3.2 IC Data Sheets-HY5DU281622FTP (U4201)

Typical Application Circuit

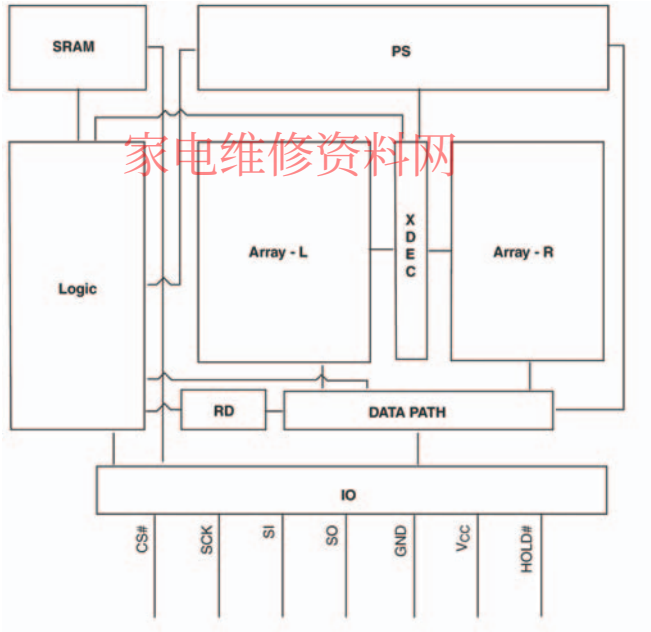


Functional Block Diagram

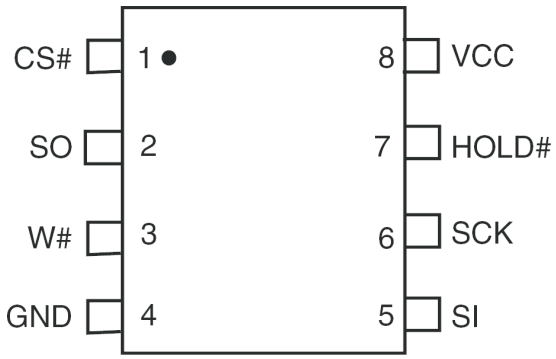


9.3.3 IC Data Sheets-S25FL004A for 93 (U4202)

Block Diagram

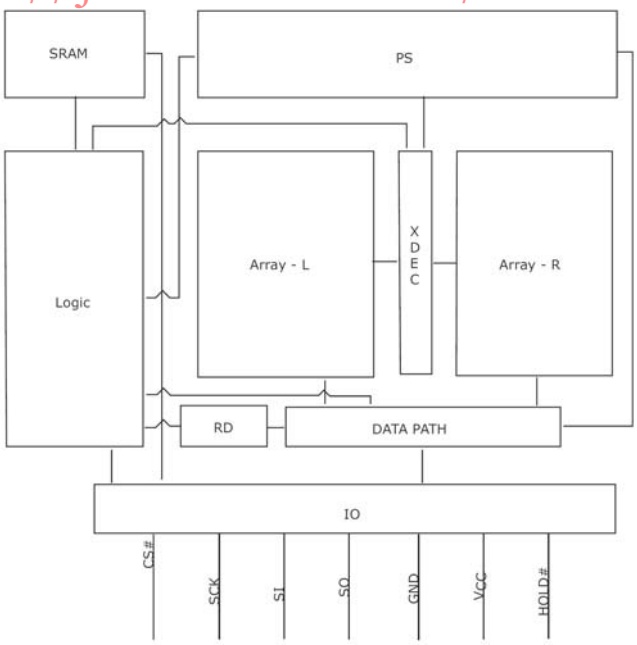


Pin Configuration

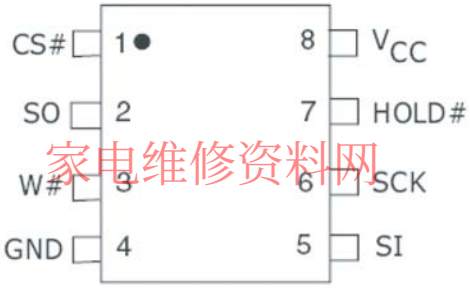


IC Data Sheets-S25FL008A for 98/79 (U4202)

Block Diagram

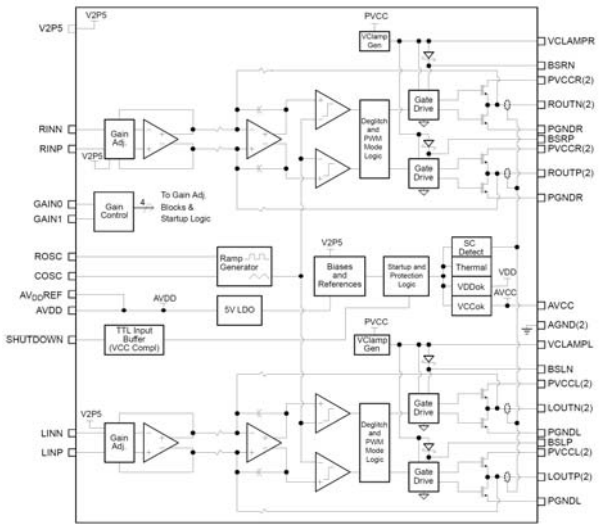


Pin Configuration

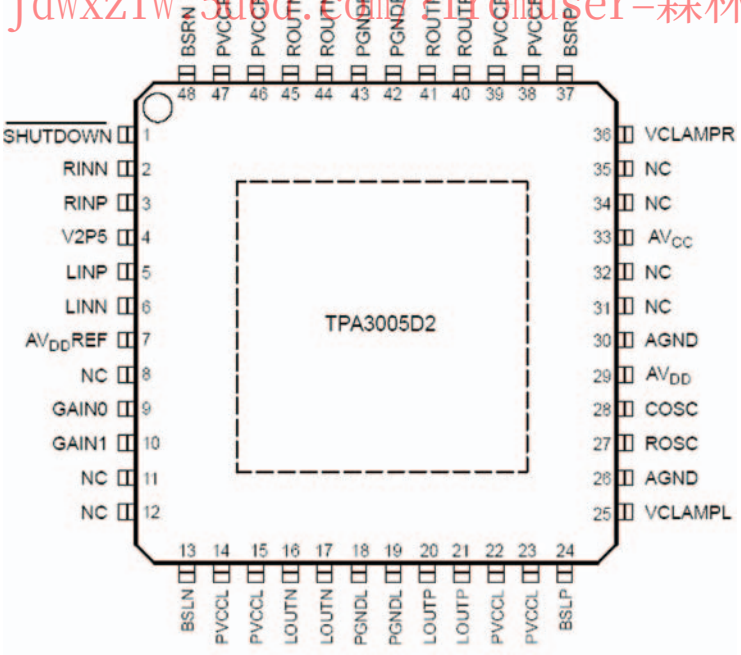


9.3.4 IC Data Sheets-TPA3005D2 (U6301)

Functional Block Diagram

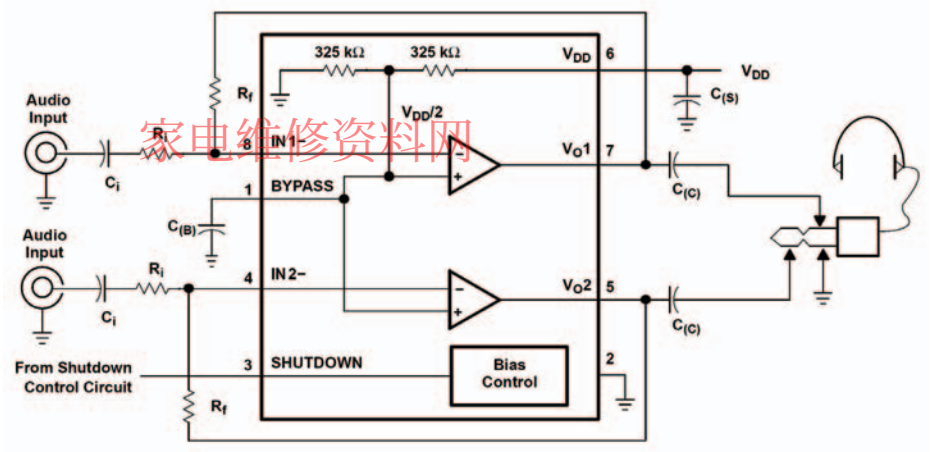


Pin Configuration



9.3.5 IC Data Sheets-TPA6110A2DGNRG4 (U6303)

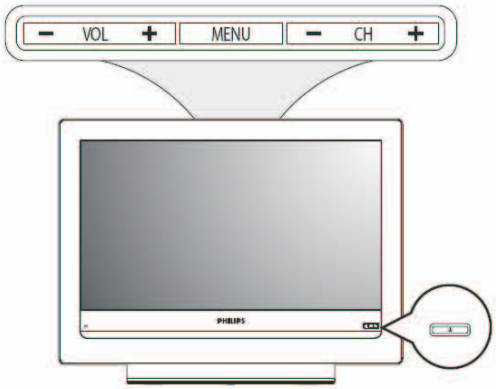
Typical Application Circuit



10.Recommended/Spare Parts List

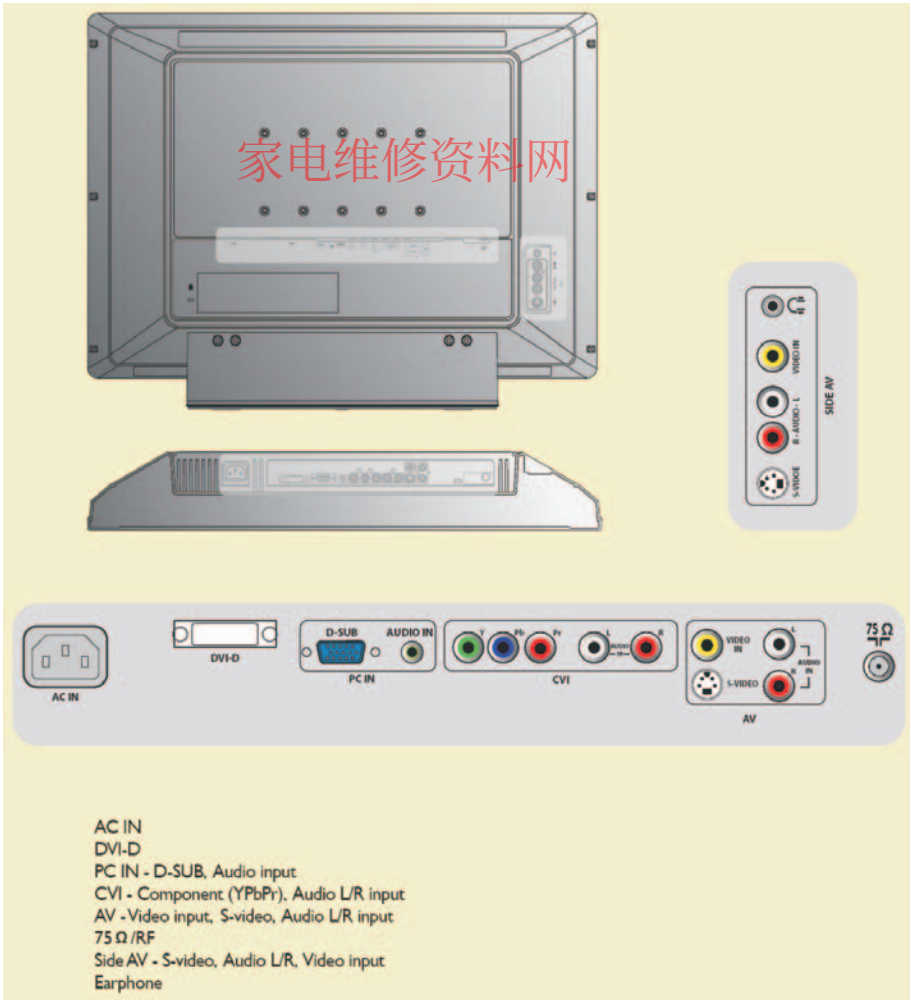
Index of this chapter

10.1 Styling Sheet



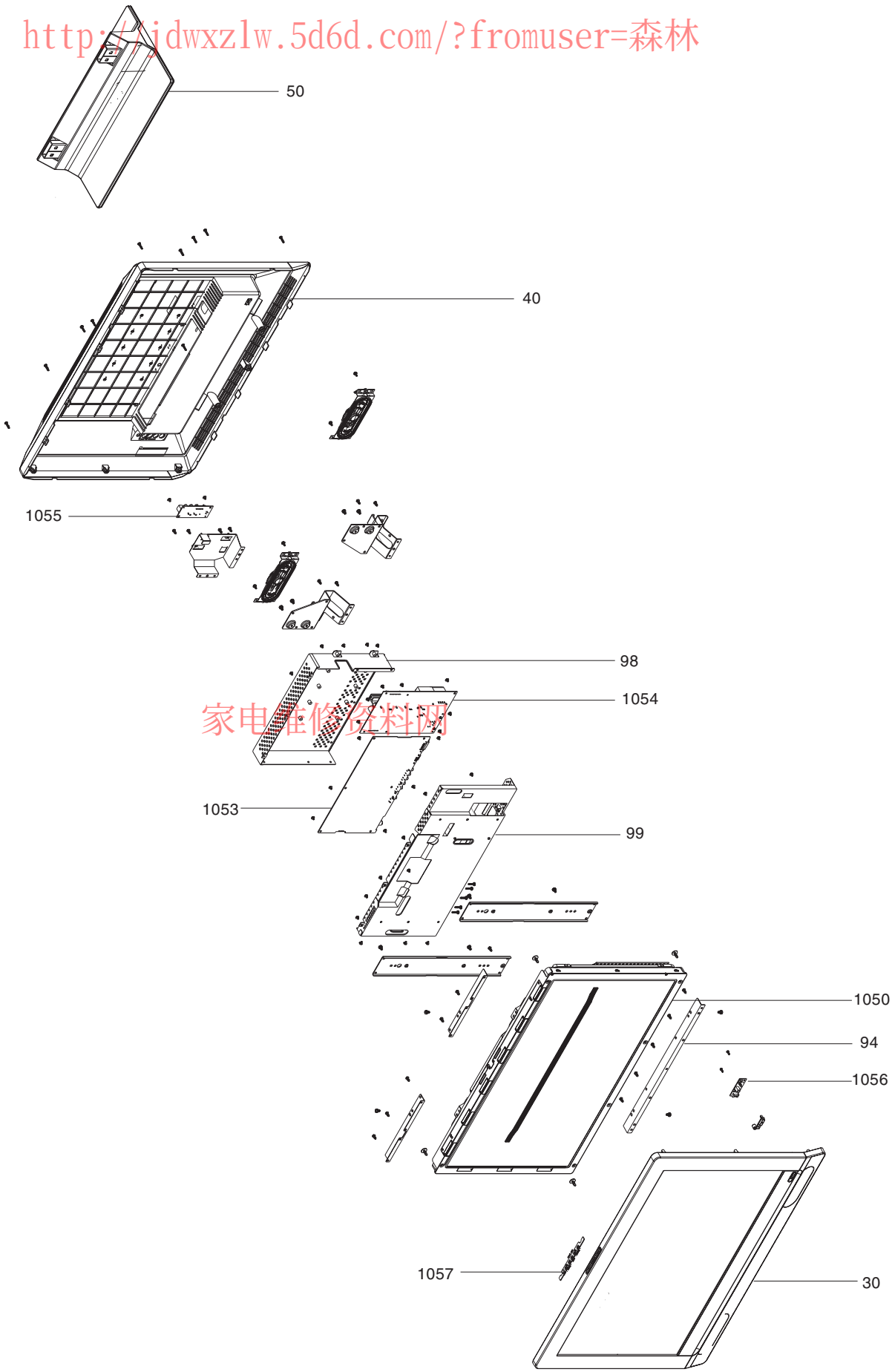
Should your remote be lost or broken you can still change some of the basic settings with the buttons on the top of your TV.
Press the power switch ⏻ to switch the TV on.
Press:
•the **+ VOL -**button to adjust volume;
•the **+ CH -**buttons to select the TV channels or sources.

The **MENU** button can be used to display the Settings menu without the remote control. **MENU** button can also Exit the menu.
Use:
•the **+ VOL -** buttons and the **+ CH -** buttons to select menu items in the directions as shown;
•the **+ VOL** button to confirm your selection.



AC IN
DVI-D
PC IN - D-SUB, Audio input
CVI - Component (YPbPr), Audio L/R input
AV - Video input, S-video, Audio L/R input
75 Ω /RF
Side AV - S-video, Audio L/R, Video input
Earphone

Type: 26TA2800/93, 32TA2800/93



Mechanical Parts List

Styling:				26TA2800/93(LPL)
Item	Philips 12NC	TPV 18NC	DESCRIPTION	√
30	9965 000 44225	705TP734016	BEZEL ASSY	√
1056	9965 000 44235	IRPF7PA4	IR-PCB	√
94	9965 000 44162	P15T0141A01	FRAME-BOTTOM	√
1057	9965 000 44236	KEPF7PA4	KEYBOARD-PCB	√
1050	9965 000 44168	LPL TV LC260WX2-SLB2	PANEL	√
99	9965 000 44228	P85T0055A02	SHIELDING-BOTTOM	√
1054	9965 000 44233	ADPF24160R1P	POWER PCB	√
1053	9965 000 44232	CBPF72MDP1	SCALER PCB	√
98	9965 000 44166	P85T0054A01	SHIELDING-MAIN	√
1055	9965 000 44234	PTPF7PA2	SIDE AV PCB	√
40	9965 000 44226	705TP734017	REAR COVER ASSY	√
50	9965 000 44158	P37T00501ABS	BASE	√

Software change record

Philips Model	Scaler Board	Panel	Latest softwarre release		
			SW name	Version	Effective Date
26TA2800/93	CBPF72MDP1	LPL	F3-CH26-WXGA-1256-V176233	V2.00	2007.1.26

Note: The latest version of firmware can replace all of prevenient versions.

F3 AL2 Project Panel to LVDS cable

Project	Panel	Item	Code No.	Description	LVDS item	Code No.	Description
26TA2800/93	LPL	1050	750TVGG0X2121N	LPL TV LC260WX2-SLB2	8803	095T8018 30948 FP	HARNESS 30P-15*2P 170mm 46476

F3 AL2 P-cord ,RC

Model	P-cord		RC	
	Code NO.	Description	Code NO.	Description
26TA2800 /93(LPL)	089G414A18N IS	power cord	98TRABD4BTPHR	REMOTE CONTROL RC2023611/01B

10.2 Recommended Parts List

Type:26TA2800/93(LPL)

Item	Philips 12NC	DESCRIPTION	TPV 18NC
30	9965 000 44225	FRONT BEZEL ASSY	705TP734016
31	9965 000 44237	BEZEL	P34T0175WVA1AA
32	9965 000 44238	FRONT DECO	P34T0174WVB1TA
33	9965 000 43805	LENS-IR	P33T0070ABVA1A
34	9965 000 43807	LENS RING	P33T0071ABWA1A
35	9965 000 44239	BUTTON_FUNC	P33T0065WVA1AA
40	9965 000 44226	REAR COVER ASSY	705TP734017
41	9965 000 44240	REAR COVER	P34T0176ABUC3A
42	9965 000 44241	KINGSTON PLATE	P15G00071
50	9965 000 44158	BASE	P37T00501ABS
90	9965 000 43804	BUTTON POWER	P33T0069WVA1AA
91	9965 000 44159	FRAME-PANEL	P15T0138A01
92	9965 000 44160	FRAME-T/L	P15T0139A01
93	9965 000 44161	FRAME-T/R	P15T0140A01
94	9965 000 44162	FRAME-BOTTOM	P15T0141A01
95	9965 000 44163	BRACKET-BASE-R	P15T0143A01
96	9965 000 44164	BRACKET-BASE-L	P15T0144A01
97	9965 000 44227	BRACKET-SIDE AV	P15T0145A02
98	9965 000 44166	SHIELDING-MAIN	P85T0054A01
99	9965 000 44228	SHIELDING-BOTTOM	P85T0055A02
112	9965 000 44229	RUBBER PAD	P12T61016
1172	9965 000 41562	MAINSCORD CCEE 10A 1M8 DET BK	089G414A18NLSC
1172	9965 000 44230	POWER CORD S930123-2	089G412A18NIS1
1173	9965 000 44231	REMOTE CONTROL RC2023611/01B	98TRABD4BTPHR
1185	9965 000 44169	SPEAKER 8 OHM 5W 154X46MM	078T464901M
1186	9965 000 44169	SPEAKER 8 OHM 5W 154X46MM	078T464901M
8803		HARNESS 30P-15*2P 170mm 46476	095T8018 30948 FP
IC920	9965 000 43861	IC UCC28051D SOIC-8	056T379902
IC950	9965 000 43860	IC FA5541N SOP8	056T379900
IC970	9965 000 43859	IC LA5779L-HK TO-220	056T563939
IC990	9965 000 36055	PC123Y22FZOF	056G1393A
IC990	9965 000 40055	PC123 Y82FZ0F	056G1393B
IC990	9965 000 40056	TCET1103G	056G1395A
IC991	9965 000 36055	PC123Y22FZOF	056G1393A
IC991	9965 000 40055	PC123 Y82FZ0F	056G1393B
IC991	9965 000 40056	TCET1103G	056G1395A
IC995	9965 000 36101	AZ431AZ-AE1	056G15810T
IC995	9965 000 43819	IC TL431CZ-AP TO92	056G158900
U1101	9965 000 35965	M24C02-WMN6TP	056G113334
U4101	9965 000 44268	IC MST96889LD-LF LQFP-256	056T562911
U4103	9965 000 44284	M24C32-WMN6TP SO-8 150MIL	056G113353A
U4106	9965 000 44270	IC AP1702EWL SOT23	056T643903
U4201	9965 000 44271	HY5DU281622ETP-5 TSOPII-66	056G615511
U4202	9965 000 44287	IC S25FL004A SO-8	056T1133917
U5101	9965 000 35965	M24C02-WMN6TP	056G113334
U6301	9965 000 44273	IC TPA3005D2PHP PQFP48	056G616901
U6303	9965 000 42394	TPA6110A2DGBRG4 MSOP-8(DGN)	056G6168
U7101	9965 000 44274	IC AIC1596-12PM5	056T563932
U7102	9965 000 44275	IC AIC1596-33PM5 TO263-5	056T563927
U7104	9965 000 44276	IC AME8815AEGT330Z SOT-223	056G563903
U7105	9965 000 44277	IC AIC1596-50PM5 TO263-5	056T563926
U7106	9965 000 44278	IC AME8815AEGT180Z SOT-223	056G563902
U7107	9965 000 44279	AME8815BEGT250Z SOT-223BY AME	056G56344
	3138 106 10396	ISP tool	

10.3 Spare Parts List

model:26TA2800/93 12NC:

Item	Philips 12NC	DESCRIPTION	TPV 18NC
Mechanical Parts			
1185	9965 000 44169	SPEAKER 8 OHM 5W 154X46MM	078T464901M
1186	9965 000 44169	SPEAKER 8 OHM 5W 154X46MM	078T464901M
91	9965 000 44159	FRAME-PANEL	P15T0138A01
92	9965 000 44160	FRAME-T/L	P15T0139A01
93	9965 000 44161	FRAME-T/R	P15T0140A01
94	9965 000 44162	FRAME-BOTTOM	P15T0141A01
95	9965 000 44163	BRACKET-BASE-R	P15T0143A01
96	9965 000 44164	BRACKET-BASE-L	P15T0144A01
97	9965 000 44227	BRACKET-SIDE AV	P15T0145A02
98	9965 000 44166	SHIELDING-MAIN	P85T0054A01
99	9965 000 44228	SHIELDING-BOTTOM	P85T0055A02
50	9965 000 44158	BASE	P37T00501ABS
90	9965 000 43804	BUTTON POWER	P33T0069WVA1AA
112	9965 000 44229	RUBBER PAD	P12T61016
30	9965 000 44225	FRONT BEZEL ASSY	705TP734016
31	9965 000 44237	BEZEL	P34T0175WVA1AA
32	9965 000 44238	FRONT DECO	P34T0174WVB1TA
33	9965 000 43805	LENS-IR	P33T0070ABVA1A
34	9965 000 43807	LENS RING	P33T0071ABWA1A
35	9965 000 44239	BUTTON_FUNC	P33T0065WVA1AA
40	9965 000 44226	REAR COVER ASSY	705TP734017
41	9965 000 44240	REAR COVER	P34T0176ABUC3A
42	9965 000 44241	KINGSTON PLATE	P15G00071
Accessory			
1173	9965 000 44231	REMOTE CONTROL RC2023611/01B	98TRABD4BTPHR
1172	9965 000 41562	MAINSCORD CCEE 10A 1M8 DET BK	089G414A18NLSC
1172	9965 000 44230	POWER CORD S930123-2	089G412A18NIS1
LCD Panel			
1050	9965 000 44168	LPL TV LC260WX2-SLB2	750TVGG0X2121N
PCB Assy			
1053	9965 000 44232	SCALER PCB ASSY	CBPF72MDP1
1054	9965 000 44233	POWER PCB ASSY	ADPF24160R1P
1055	9965 000 44234	SIDE AV PCB ASSY	PTPF7PA2
1056	9965 000 44235	IR PCB ASSY	IRPF7PA4
1057	9965 000 44236	KEY BOARD ASSY	KEPF7PA4
PCB Assy			
1053	9965 000 44232	SCALER PCB ASSY	CBPF72MDP1
Various			
291	9965 000 44285	LABEL	P40TE00081318A
295	9965 000 44285	LABEL	P40TE00081318A
1256	9965 000 44269	EEPROM ASSY	705TPEK056001
1257	9965 000 44272	SPI FLASH ASSY	705TPEK056002
X4101	9965 000 44280	CRYSTAL 14M318 18P HC49/S	093G22S903C
X4101	9965 000 44281	CRYSTAL 14M318 18P SMD-49	093G22S53A
CN1101	9965 000 44252	D-SUB CONN 15PIN F 900-261521-02	088G353A15FLS
CN1101	9965 000 43928	D-SUB CONN 15PIN F (WITH SCREW U	088T353A15FHST
CN2201	9965 000 44253	RCA JACK 1*3 G/B/R	088T7813928TN
CN2202	9965 000 42616	RCA JACK S JACK Y/B 5105-825-1	088T7813916TN
CN5101	9965 000 44205	DVI CONN 24P F RIGHT ANGLE 1241-	088G35424FH1S
CN6101	9965 000 44254	RCA JACK 1*2 W/R	088T7813929TN
CN6102	9965 000 42615	RCA JACK 2*1 W/R 5105-825-072-65	088T7813904TN
CN6103	9965 000 44255	PHONE JACK 3.5MM 5P GREEN 69020	088G302902FP
C1101	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C1102	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C1103	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C1104	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C1108	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1109	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1110	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1111	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1112	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1113	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C1114	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C1115	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2101	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C2102	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2105	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C2106	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C2107	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C2110	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C2111	9965 000 42607	EC CAP 1000UF M 16V	067G305V1023
C2214	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2215	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2216	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2217	9965 000 43977	CAP CHIP 0603 1N 25V NPO /-5%	065G060310221J
C2224	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2225	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2226	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2227	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2230	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2234	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2303	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2306	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C2309	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C4101	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4103	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4104	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4105	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4106	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C4107	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C4108	9965 000 44242	EC 10UF 50V KM 5X11MM	067G305V1007
C4109	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4110	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C4111	9965 000 42699	4.7U/25V X7R	065G120647522
C4112	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4113	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4114	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4115	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4116	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4117	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4118	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4119	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4120	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4121	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4122	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4123	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4124	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4125	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4126	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4127	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4128	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4129	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4130	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4131	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4132	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4133	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4134	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C4135	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C4136	9965 000 42232	CAP CHIP 0603 47N 16V X7R /-10%	065G060347312K
C4137	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4138	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4139	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4140	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4141	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4143	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4144	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4145	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4146	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4147	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4148	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4149	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4150	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4151	9965 000 43979	CAP CHIP 0603 1N 50V NPO /-5%	065G060310231J
C4152	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4153	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4201	9965 000 42233	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4202	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4203	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4204	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4205	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4206	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4207	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4208	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4209	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4210	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4211	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C4212	9965 000 43979	CAP CHIP 0603 1N 50V NPO /-5%	065G060310231J
C5101	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C5106	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C6101	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6102	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6103	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6104	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6105	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6106	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6107	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6108	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6109	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6110	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6111	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6112	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6113	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6114	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6115	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6116	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6117	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6118	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6204	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6205	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6207	9965 000 44243	CAP CHIP 4.7UF 10V Y5V -20%~ 80%	065G0805475A7Z
C6209	9965 000 44243	CAP CHIP 4.7UF 10V Y5V -20%~ 80%	065G0805475A7Z
C6212	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6213	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C6216	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6217	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6218	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C6219	9965 000 42229	CAP CHIP 0603 22P 50V NPO /-5%	065G060322031J
C6301	9965 000 42264	CAP CHIP 0805 1U 16V X7R /-10%	065G080510512K
C6301	9965 000 36072	1UF -10% 6V X7R	065G080510512
C6302	9965 000 44244	CAP CHIP 0.47UF 50V X7R /- 10%	065G120647432
C6306	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K

C6307	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6308	9965 000 43407	CAP CHIP 0805 100N 50V X7R /-10	065G080510432K
C6309	9965 000 42605	EC 470UF 25V EB 10X13MM	067G215R4714K
C6309	9965 000 42604	EC 470UF 25V LZ 10X12.5MM	067G215R4714C
C6310	9965 000 42604	EC 470UF 25V LZ 10X12.5MM	067G215R4714C
C6310	9965 000 42605	EC 470UF 25V EB 10X13MM	067G215R4714K
C6312	9965 000 42259	CAP CHIP 0603 100P 50V NPO /-5%	065G060310131J
C6313	9965 000 42259	CAP CHIP 0603 100P 50V NPO /-5%	065G060310131J
C6315	9965 000 42403	CER 1210 10U 25V Y5V -20% 80%	065G121010627Z
C6316	9965 000 42403	CER 1210 10U 25V Y5V -20% 80%	065G121010627Z
C6319	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6320	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6321	9965 000 44245	CAP CHIP 0805 220N 25V Y5V -20%	065G080522427Z
C6322	9965 000 44245	CAP CHIP 0805 220N 25V Y5V -20%	065G080522427Z
C6323	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6324	9965 000 42696	CAP CHIP 0805 1U 25V X7R /-10%	065G080510522K
C6325	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6326	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6327	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6328	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6329	9965 000 42403	CER 1210 10U 25V Y5V -20% 80%	065G121010627Z
C6330	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6331	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6332	9965 000 44246	CAP CHIP 0805 220P 50V NPO /-5%	065G080522131J
C6333	9965 000 42696	CAP CHIP 0805 1U 25V X7R /-10%	065G080510522K
C6334	9965 000 44245	CAP CHIP 0805 220N 25V Y5V -20%	065G080522427Z
C6335	9965 000 44245	CAP CHIP 0805 220N 25V Y5V -20%	065G080522427Z
C6336	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6337	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6338	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6339	9965 000 43407	CAP CHIP 0805 100N 50V X7R /-10	065G080510432K
C6340	9965 000 42264	CAP CHIP 0805 1U 16V X7R /-10%	065G080510512K
C6340	9965 000 36072	1UF -10% 6V X7R	065G080510512
C6341	9965 000 42403	CER 1210 10U 25V Y5V -20% 80%	065G121010627Z
C6342	9965 000 42403	CER 1210 10U 25V Y5V -20% 80%	065G121010627Z
C6343	9965 000 42263	MLCC 0603 CAP 0.47UF Z 10V Y5V	065G0603474A7Z
C6344	9965 000 42247	EC 330UF 10V SJ 8X7MM	067G305M3312L
C6344	9965 000 42246	ELCAP SS-H 10V S 330U PM20 B	067G305M3312K
C6344	9965 000 42245	ELCAP SK 10V S 330U PM20 B	067G305M3312C
C6345	9965 000 42259	CAP CHIP 0603 100P 50V NPO /-5%	065G060310131J
C6346	9965 000 42259	CAP CHIP 0603 100P 50V NPO /-5%	065G060310131J
C6347	9965 000 42400	CAP CHIP 0603 1U 10V Y5V -20% 80	065G0603105A7Z
C6348	9965 000 42246	ELCAP SS-H 10V S 330U PM20 B	067G305M3312K
C6348	9965 000 42245	ELCAP SK 10V S 330U PM20 B	067G305M3312C
C6348	9965 000 42247	EC 330UF 10V SJ 8X7MM	067G305M3312L
C6349	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6350	9965 000 43488	CAP CHIP 0603 100N 25V X7R /-10	065G060310422K
C6351	9965 000 44244	CAP CHIP 0.47UF 50V X7R /- 10%	065G120647432
C6352	9965 000 42260	CAP CHIP 0603 10N 50V X7R /-10%	065G060310332K
C6353	9965 000 42260	CAP CHIP 0603 10N 50V X7R /-10%	065G060310332K
C6354	9965 000 42260	CAP CHIP 0603 10N 50V X7R /-10%	065G060310332K
C6355	9965 000 42260	CAP CHIP 0603 10N 50V X7R /-10%	065G060310332K
C7101	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7102	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7103	9965 000 42605	EC 470UF 25V EB 10X13MM	067G215R4714K
C7103	9965 000 42604	EC 470UF 25V LZ 10X12.5MM	067G215R4714C
C7104	9965 000 42604	EC 470UF 25V LZ 10X12.5MM	067G215R4714C
C7104	9965 000 42605	EC 470UF 25V EB 10X13MM	067G215R4714K
C7109	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7112	9965 000 44242	EC 10UF 50V KM 5X11MM	067G305V1007
C7113	9965 000 44247	EC 100UF 10V SK 5X7MM	067G305M1012C
C7113	9965 000 44248	EC 100UF 10V SS-H 5X7MM	067G305M1012K
C7114	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7115	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7116	9965 000 42604	EC 470UF 25V LZ 10X12.5MM	067G215R4714C
C7116	9965 000 42605	EC 470UF 25V EB 10X13MM	067G215R4714K
C7118	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7119	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7120	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7121	9965 000 44242	EC 10UF 50V KM 5X11MM	067G305V1007
C7122	9965 000 44248	EC 100UF 10V SS-H 5X7MM	067G305M1012K
C7122	9965 000 44247	EC 100UF 10V SK 5X7MM	067G305M1012C
C7123	9965 000 44242	EC 10UF 50V KM 5X11MM	067G305V1007
C7124	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7125	9965 000 44248	EC 100UF 10V SS-H 5X7MM	067G305M1012K
C7125	9965 000 44247	EC 100UF 10V SK 5X7MM	067G305M1012C
C7130	9965 000 44249	CAP CHIP 0603 330N 16V Y5V -20%	065G060333417Z
C7131	9965 000 44242	EC 10UF 50V KM 5X11MM	067G305V1007
C7132	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7137	9965 000 44250	CAP CHIP 0603 220N 16V Y5V -20%	065G060322417Z
C7138	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7204	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7205	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7206	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7207	9965 000 43913	EC 470UF 35V KM 10X16MM	067G3054716C
C7208	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7209	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7210	9965 000 44251	EC 100UF 25V RGA 8X11.5MM	067G305V1014L
C7301	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7302	9965 000 42262	CAP CHIP 0603 100N 50V Y5V -20%	065G060310437Z
C7303	9965 000 42230	CAP CHIP 0603 33P 50V NPO /-5%	065G060333031J
C7304	9965 000 42230	CAP CHIP 0603 33P 50V NPO /-5%	065G060333031J
R1101	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R1102	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R1103	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R1104	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R1105	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R1106	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R1110	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R1111	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R1114	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1115	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R1116	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R1117	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1118	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1119	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1121	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R1122	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R1123	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R1124	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1125	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1126	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R1127	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R1128	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R1129	9965 000 42219	RST CHIPR 2.2 KOHM -5% 1/10W	061G0603222
R1130	9965 000 42219	RST CHIPR 2.2 KOHM -5% 1/10W	061G0603222
R1131	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R2101	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R2102	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R2103	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R2104	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2105	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R2106	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R2109	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R2113	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R2114	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R2211	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2212	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2213	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2214	9965 000 42224	RST CHIPR 470 OHM -5% 1/10W	061G0603471
R2215	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2216	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2217	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2218	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2219	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2220	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2221	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2222	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2223	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2224	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2226	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2227	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2301	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2302	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R2303	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2304	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2305	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R2306	9965 000 42227	RST CHIPR 75 OHM -1% 1/10W	061G06037509F
R2307	9965 000 44262	RST CHIP 47R 1/10W 1%	061G06034709F
R4102	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R4104	9965 000 42216	RST CHIPR 1 MOHM -5% 1/10W	061G0603105
R4105	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4106	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R4107	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4108	9965 000 44263	RST CHIP 390R 1/10W 1%	061G06033900F
R4109	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4110	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4112	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4113	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4114	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4115	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4117	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R4119	9965 000 42656	RST CHIPR 10 OHM -5% 1/10W	061G0603100
R4120	9965 000 42656	RST CHIPR 10 OHM -5% 1/10W	061G0603100
R4121	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4122	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4123	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4124	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4125	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4126	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4127	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4128	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4129	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4130	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4131	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4132	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4133	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4134	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4135	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4136	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4137	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R4138	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4143	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4144	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4145	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4146	9965 000 42397	RST CHIPR 15KOHM -5% 1/10W	061G0603153
R4147	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4148	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4149	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4150	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4151	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4152	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4153	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4154	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4155	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R4156	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4157	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4158	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4159	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103

R4161	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4162	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4163	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R4165	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4166	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4167	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4168	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4169	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4170	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4171	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4172	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4173	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4174	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R4176	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4177	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4178	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4180	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4183	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4184	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R4185	9965 000 42215	RST CHIPR 100 KOHM -5% 1/10W	061G0603104
R4186	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4201	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R4203	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4204	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4205	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R4206	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4207	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R4208	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4210	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4211	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R4212	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R4213	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R4214	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4215	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4216	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4217	9965 000 44264	RST CHIP 150R 1/10W 1%	061G06031500F
R4218	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R4219	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R4220	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R4221	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R4222	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R5101	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R5102	9965 000 42277	RST CHIPR 47 KOHM -5% 1/10W	061G0603473
R5103	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R5104	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R5105	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R5106	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R5107	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R5108	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R5109	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R5110	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R5111	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R6101	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6102	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6103	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6104	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6105	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6106	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6107	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6108	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6109	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6110	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6111	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6112	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6211	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6212	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6215	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6216	9965 000 44265	RST CHIP 12K 1/10W 5%	061G0603123
R6219	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R6220	9965 000 42217	RST CHIPR 22 OHM -5% 1/10W	061G0603220
R6222	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R6224	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R6302	9965 000 39751	0 OHM 1/8W	061G1206000
R6308	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R6309	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6311	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6312	9965 000 42662		061G0603331
R6313	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R6314	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R6315	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R6316	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R6317	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R6318	9965 000 42215	RST CHIPR 100 KOHM -5% 1/10W	061G0603104
R6319	9965 000 42215	RST CHIPR 100 KOHM -5% 1/10W	061G0603104
R6320	9965 000 42658	RST CHIPR 120 KOHM -5% 1/10W	061G0603124
R6323	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R6324	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6325	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R6327	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R6328	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R6329	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R7102	9965 000 42220	RST CHIPR 22 KOHM -5% 1/10W	061G0603223
R7103	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7104	9965 000 42277	RST CHIPR 47 KOHM -5% 1/10W	061G0603473
R7105	9965 000 42277	RST CHIPR 47 KOHM -5% 1/10W	061G0603473
R7106	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7107	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R7108	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7113	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7121	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7124	9965 000 44266	RST CHIP 56K 1/10W 5%	061G0603563
R7125	9965 000 42277	RST CHIPR 47 KOHM -5% 1/10W	061G0603473
R7126	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7128	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R7130	9965 000 44267	RST CHIP 75K 1/10W 5%	061G0603753
R7131	9965 000 42254	RST CHIPR 33KOHM -5% 1/10W	061G0603333
R7132	9965 000 42277	RST CHIPR 47 KOHM -5% 1/10W	061G0603473
R7136	9965 000 39751	0 OHM 1/8W	061G1206000
R7201	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R7202	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R7203	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7204	9965 000 42656	RST CHIPR 10 OHM -5% 1/10W	061G0603100
R7205	9965 000 40053	RST CHIP 1K 1/10W 5%	061G0603102
R7206	9965 000 42219	RST CHIPR 2.2 KOHM -5% 1/10W	061G0603222
R7207	9965 000 42656	RST CHIPR 10 OHM -5% 1/10W	061G0603100
R7208	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R7209	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R7210	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R7211	9965 000 42664	RST CHIPR 47 OHM -5% 1/10W	061G0603470
R7213	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R7301	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7302	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7303	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7304	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7305	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000
R7306	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7307	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7308	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7309	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
R7310	9965 000 42213	RST CHIPR 100 OHM -5% 1/10W	061G0603101
RP4201	9965 000 42654	RST CHIP AR 8P4R 100 OHM -5% 1/	061G1251018
RP4202	9965 000 42654	RST CHIP AR 8P4R 100 OHM -5% 1/	061G1251018
RP4203	9965 000 42654	RST CHIP AR 8P4R 100 OHM -5% 1/	061G1251018
RP4204	9965 000 42654	RST CHIP AR 8P4R 100 OHM -5% 1/	061G1251018
FB1101	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB1101	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB1102	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB1102	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB1103	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB1103	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB1104	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB2101	9965 000 42713	CHIP BEAD HCB3216K-101T30	071G57C101
FB2102	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2102	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2204	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2204	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2205	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2205	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2206	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2206	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2207	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2207	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2208	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2208	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2209	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2209	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2301	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2301	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2302	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB2302	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2303	9965 000 44256	CHIP BEAD 30R/1000MA BLM18PG300S	071G59D300MR
FB2303	9965 000 42238	CHIP BEAD 0603 30R/700MA TAI-TEC	071G59K300TA
FB4101	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4101	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4102	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4102	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4103	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4103	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4104	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4104	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4105	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4105	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4106	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4106	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4107	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4107	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4108	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4108	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4110	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4110	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4201	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB4201	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4202	9965 000 44257	CHIP BEAD 600R/200MA FCM1608K-60	071G59C601TA
FB4202	9965 000 43997	CHIP BEAD 600R/500MA MMZ1608S601	071G59S601T
FB5101	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB6301	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB6303	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB6304	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB6305	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB6306	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB7101	9965 000 42265	IND FXD 0805 EMI 100MHZ 220R R	071G56A221TA
FB7104	9965 000 42265	IND FXD 0805 EMI 100MHZ 220R R	071G56A221TA
FB7201	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB7202	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB7204	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB7205	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
FB7206	9965 000 40049	IND FXD 0805 EMI 100MHZ 120R R	071G56121TA
L6301	9965 000 44260	CHOKE 10UH 10% TSL0808S-100K2R6	073G259900
L6302	9965 000 42392	IND FXD TSL0808 S 33U PM10 B	073G259902
L6303	9965 000 42392	IND FXD TSL0808 S 33U PM10 B	073G259902
L6304	9965 000 42392	IND FXD TSL0808 S 33U PM10 B	073G259902

L6305	9965 000 42392	IND FXD TSL0808 S 33U PM10 B	073G259902
L7101	9965 000 43841	CHOKE COIL 35UH /-10% 82MOHM DR1	073G253900LS
L7101	9965 000 42610	CHOKE COIL	073G253900HJ
L7102	9965 000 43841	CHOKE COIL 35UH /-10% 82MOHM DR1	073G253900LS
L7102	9965 000 42610	CHOKE COIL	073G253900HJ
L7103	9965 000 42610	CHOKE COIL	073G253900HJ
L7103	9965 000 43841	CHOKE COIL 35UH /-10% 82MOHM DR1	073G253900LS
D1101	9965 000 44259	BAT54C SOT23	093T60230
D1101	9965 000 44258	BAT54C PHILIPS	093G60505
D1102	9965 000 35994	DIO SIG SM BAV99 (PHSE)R	093G6433
D1103	9965 000 35994	DIO SIG SM BAV99 (PHSE)R	093G6433
D1104	9965 000 35994	DIO SIG SM BAV99 (PHSE)R	093G6433
D5101	9965 000 44258	BAT54C PHILIPS	093G60505
D5101	9965 000 44259	BAT54C SOT23	093T60230
D5102	9965 000 44258	BAT54C PHILIPS	093G60505
D5102	9965 000 44259	BAT54C SOT23	093T60230
D7102	9965 000 37793	DIODE S1D-E3 VISHAY	093G1020PH
D7104	9965 000 37793	DIODE S1D-E3 VISHAY	093G1020PH
D7105	9965 000 37793	DIODE S1D-E3 VISHAY	093G1020PH
ZD1101	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD1101	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD1102	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD1102	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD1103	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD1103	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD1104	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD1104	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD1105	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD1105	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD5101	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD5101	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD5102	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD5102	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD5103	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD5103	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD7101	9965 000 37806	SURFACE MOUNT	093G60S801
ZD7102	9965 000 37806	SURFACE MOUNT	093G60S801
ZD7103	9965 000 37806	SURFACE MOUNT	093G60S801
ZD7303	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD7303	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
ZD7304	9965 000 44283	DIODE BZX84-C5V6 SOT-23 VISHAY	093G39S901T
ZD7304	9965 000 44282	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G39S911T
Q5101	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q5101	9965 000 44261	BC847C	057G419513
Q5102	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q5102	9965 000 44261	BC847C	057G419513
Q6301	9965 000 44261	BC847C	057G419513
Q6301	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q7102	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q7102	9965 000 44261	BC847C	057G419513
Q7103	9965 000 37397	TRA SIG SM MUN2211J(ONSE)R	057G7601PH
Q7103	9965 000 42211	TRA PDTC114EK SC-59 PHILIPS	057G7602PH
Q7105	9965 000 37398	FET POW SM SI5441DC(VISH)R	057G7631PH
Q7106	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q7106	9965 000 44261	BC847C	057G419513
Q7107	9965 000 37397	TRA SIG SM MUN2211J(ONSE)R	057G7601PH
Q7107	9965 000 42211	TRA PDTC114EK SC-59 PHILIPS	057G7602PH
Q7108	9965 000 42211	TRA PDTC114EK SC-59 PHILIPS	057G7602PH
Q7108	9965 000 37397	TRA SIG SM MUN2211J(ONSE)R	057G7601PH
Q7111	9965 000 37398	FET POW SM SI5441DC(VISH)R	057G7631PH
Q7201	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q7201	9965 000 44261	BC847C	057G419513
Q7202	9965 000 44261	BC847C	057G419513
Q7202	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
TU2101	9965 000 42623	TUNER, FQ1256/ I H-5	094TPALBDI1P
U1101	9965 000 35965	M24C02-WMN6TP	056G113334
U4101	9965 000 44268	IC MST96889LD-LF LQFP-256	056T562911
U4103	9965 000 44284	M24C32-WMN6TP SO-8 150MIL	056G113353A
U4106	9965 000 44270	IC AP1702EWL SOT23	056T643903
U4201	9965 000 44271	HY5DU281622ETP-5 TSOPII-66	056G615511
U4202	9965 000 44287	IC S25FL004A SO-8	056T11339 17
U5101	9965 000 35965	M24C02-WMN6TP	056G113334
U6301	9965 000 44273	IC TPA3005D2PHP PQFP48	056G616901
U6303	9965 000 42394	TPA6110A2DGBRG4 MSOP-8(DGN)	056G6168
U7101	9965 000 44274	IC AIC1596-12PM5	056T563932
U7102	9965 000 44275	IC AIC1596-33PM5 TO263-5	056T563927
U7104	9965 000 44276	IC AME8815AEGT330Z SOT-223	056G563903
U7105	9965 000 44277	IC AIC1596-50PM5 TO263-5	056T563926
U7106	9965 000 44278	IC AME8815AEGT180Z SOT-223	056G563902
U7107	9965 000 44279	AME8815BEGT250Z SOT-223BY AME	056G56344

PCB Assy

1054	9965 000 44233	POWER PCB ASSY	ADPF24160R1P

Various

BD901	9965 000 44288	BRIDGE GBU606 6A/600V GBU	093T50460904
BD901	9965 000 43854	DIODE GBU605	093T504601AP
BD901	9965 000 43858	BRIDGE 6A/600V GBU6J VISHAY	093G50460902
T901	9965 000 43851	XFMR PPH6004AL	080TL26T909LS
T901	9965 000 44298	HJC-S6197 BY HJC(NOT YET APPROVE	080TL26T909HJ
VAR901	9965 000 43346	VDR DC 1MA/510 845V R	061G46902
F901	9965 000 43852	FUSE 250V 4A BY LITTELFUSE	084T414
NR901	9965 000 43820	NTC 1R55 SCK101R55LSY	061G58900WT
C900	9965 000 43824	Y1 CAP 470PF -10% 250VAC CD SER	065G306K4712B3
C900	9965 000 43827	470PF -10% 250VAC	065T306K4712B2
C900	9965 000 43828	Y1 CAP 470PF -10% 250V AC KX	065T306K4712BM
C901	9965 000 43824	Y1 CAP 470PF -10% 250VAC CD SER	065G306K4712B3
C901	9965 000 43827	470PF -10% 250VAC	065T306K4712B2
C901	9965 000 43828	Y1 CAP 470PF -10% 250V AC KX	065T306K4712BM
C905	9965 000 43348	63G214J225GMC	063G214J225GMC
C905	9965 000 43822	CAP MPP 2.2UF 450V 5%	063G214J225GMH
C907	9965 000 43829	EC 120UF 450V PL 30X25MM	067G40H12115K
C907	9965 000 43832	EC 120UF 450V HS 30X26MM	067G4012115C
C908	9965 000 37794	FILM CAPACITOR	063G10747410S
C908	9965 000 43821	0.47UF 275VAC	063G107474HS
C908	9965 000 43838	MPX-474K27B15L3	063G107474U
C909	9965 000 43838	MPX-474K27B15L3	063G107474U
C909	9965 000 43821	0.47UF 275VAC	063G107474HS
C909	9965 000 37794	FILM CAPACITOR	063G10747410S
C916	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C917	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C918	9965 000 39731	2200PF -20% 250VAC	065G306M2222BM
C918	9965 000 43825	2200PF -20% 250V AC	065G306M2222B2
C918	9965 000 43826	Y1 CAP 2200PF M 250VAC CD SERIES	065G306M2222B3
C920	9965 000 43890	MLCC 0805 560PF G 50V NPO	065G080556131G
C920	9965 000 43889	CAP CHIP 0805 560P 50V NPO /-5%	065G080556131J
C921	9965 000 43886	CHIP 2.2UF 16V Y5V	065G080522517
C922	9965 000 39768	10NF/50V/0805/X7R	065G080510332
C923	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C924	9965 000 43883	CHIP 22PF 50V NPO 0805	065G080522031
C925	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C927	9965 000 43882	CHIP 1UF Y5V 0805	065G080510527
C927	9965 000 37327	CHIP 1UF 50V Y5V	065G080510537
C930	9965 000 43885	CAP CHIP 0805 22N 25V X7R /-10%	065G080522322K
C931	9965 000 36996	CHIP 390PF 50V	065G080539131
C934	9965 000 43909	105C RADIAL E-CAPACTOR 33UF 50V	067G3053307CT
C934	9965 000 43910	105C RADIAL E-CAPACTOR 33UF 50V	067G3053307KT
C950	9965 000 44289	CHIP 22PF 50V NPO 0805	065T080522031
C951	9965 000 43884	CAP CHIP 0805 220P 50V X7R /-10	065G080522132K
C952	9965 000 43884	CAP CHIP 0805 220P 50V X7R /-10	065G080522132K
C953	9965 000 43887	CHIP 0.33UF 50V X7R	065G080533432
C954	9965 000 43909	105C RADIAL E-CAPACTOR 33UF 50V	067G3053307CT
C954	9965 000 43910	105C RADIAL E-CAPACTOR 33UF 50V	067G3053307KT
C955	9965 000 37327	CHIP 1UF 50V Y5V	065G080510537
C959	9965 000 43908	C CAP. 2200PF 500V 10% X7R	065G517K2229AV
C959	9965 000 43907	C CAP. 2200PF 500V 10% X7R	065G517K2229AP
C959	9965 000 43906	C CAP. 2200PF 500V PITCH 5.0 MM	065G517K2224AT
C961	9965 000 43823	F/C PPN 0.022UF 250V 5% HJC	064G47J2232HHJ
C964	9965 000 44290	EC 1000UF 35V GF 13X25MM	67G5151026C
C964	9965 000 44291	EC CAP 105 1000UF 35V	67G215S1026K
C965	9965 000 44290	EC 1000UF 35V GF 13X25MM	67G5151026C
C965	9965 000 44291	EC CAP 105 1000UF 35V	67G215S1026K
C966	9965 000 44291	EC CAP 105 1000UF 35V	67G215S1026K
C966	9965 000 44290	EC 1000UF 35V GF 13X25MM	67G5151026C
C971	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C972	9965 000 43836	LOW ESR EC 1000UF 25V EB1E102M	067G215H1024K
C972	9965 000 43834	LOW ESR EC 1000UF EB1C102 16V	067G215H1023K
C972	9965 000 43833	EC 1000UF 16V LZ 10X16MM	067G215H1023C
C972	9965 000 43463	EC 1000UF 25V LZ 10X20MM	067G215H1024C
C973	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C974	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C975	9965 000 42603	EC 220UF/35V KF 8*16MM	067G215P2216CT
C975	9965 000 43830	EC CAP 220UF 35V 8*16MM	067G4152216KT
C977	9965 000 36997	CHIP 560PF 50V NPO 0805	065G080556131
C987	9965 000 44292	CHIP 0.1UF 50V X7R 0805	065T080510432
C987	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C988	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C988	9965 000 44292	CHIP 0.1UF 50V X7R 0805	065T080510432
C991	9965 000 36041	CHIP 0.1U 50V X7R	065G080510432
C995	9965 000 43884	CAP CHIP 0805 220P 50V X7R /-10	065G080522132K
C996	9965 000 43888	0.22UF,K,50V,X7R	065G080522432
R901	9965 000 43879	RST CHIPR 270 KOHM -5% 1/4W	061G1206274
R902	9965 000 43879	RST CHIPR 270 KOHM -5% 1/4W	061G1206274
R903	9965 000 43878	CHIP 240K OHM 1/4W	061G1206244
R910	9965 000 43880	RST CHIPR 330 KOHM -1% 1/4W	061G12063303F
R911	9965 000 43880	RST CHIPR 330 KOHM -1% 1/4W	061G12063303F
R912	9965 000 43880	RST CHIPR 330 KOHM -1% 1/4W	061G12063303F
R913	9965 000 43400	RST CHIP 620R 1/8W 1%	061G08056200F
R914	9965 000 43398	RST CHIPR 5.6 KOHM -1% 1/8W	061G08055601F
R917	9965 000 43390	RST CHIPR 22 KOHM -5% 1/8W	061G0805223
R918	9965 000 42284	0 OHM 1/10W	061G0805000
R920	9965 000 43902	RST MOF 0R15 1% 1W	061G208M15852T
R921	9965 000 43877	RST CHIPR 6.2 KOHM -5% 1/8W	061G0805622
R922	9965 000 43896	1K OHM 5% 1/4W	061G17210252T
R924	9965 000 43395	RST CHIPR 33 KOHM -5% 1/8W	061G0805333
R925	9965 000 44294	RST CHIPR 47 OHM -5% 1/8W	061T0805470
R925	9965 000 43874	RST CHIPR 47 OHM -5% 1/8W	061G0805470
R926	9965 000 38141	10 OHM 5% 1/6W	061G60210052T
R926	9965 000 36987	100HM 5% 1/4W	061G17210052T
R927	9965 000 43881	CHIP 820K OHM 1/4W 5%	061G1206824
R928	9965 000 43881	CHIP 820K OHM 1/4W 5%	061G1206824
R929	9965 000 43881	CHIP 820K OHM 1/4W 5%	061G1206824
R930	9965 000 43868	RST CHIPR 16 KOHM -5% 1/8W	061G0805163
R931	9965 000 42284	0 OHM 1/10W	061G0805000
R932	9965 000 43901	7.5KOHM -5% 1/6W	061G60275252T
R932	9965 000 43898	7.5KOHM 5% 1/4W	061G17275252T
R936	9965 000 43381	10 KOHM 1/10W	061G0805103
R937	9965 000 43393	RST CHIPR 330 OHM -5% 1/8W	061G0805331
R938	9965 000 43869	CHIP 18 OHM 1/8W 5%	061G0805180
R939	9965 000 43381	10 KOHM 1/10W	061G0805103
R940	9965 000 43899	CFR 1K OHM -5% 1/6W	061G60210252T
R940	9965 000 43896	1K OHM 5% 1/4W	061G17210252T
R942	9965 000 43869	CHIP 18 OHM 1/8W 5%	061G0805180
R950	9965 000 43903	RST MOF 0R33 5% 1W	061G208M33852T

R952	9965 000 43899	CFR 1K OHM -5% 1/6W	061G60210252T
R952	9965 000 43896	1K OHM 5% 1/4W	061G17210252T
R953	9965 000 44295	RST CHIPR 150 OHM -5% 1/8W	061T0805151
R953	9965 000 43867	RST CHIPR 150 OHM -5% 1/8W	061G0805151
R954	9965 000 36987	100HM 5% 1/4W	061G17210052T
R954	9965 000 38141	10 OHM 5% 1/6W	061G60210052T
R955	9965 000 43390	RST CHIPR 22 KOHM -5% 1/8W	061G0805223
R957	9965 000 43897	130KOHM 5% 1/4W	061G17213452T
R957	9965 000 43900	130KOHM -5% 1/6W	061G60213452T
R965	9965 000 43379	RST CHIPR 100 OHM -5% 1/8W	061G0805101
R966	9965 000 43379	RST CHIPR 100 OHM -5% 1/8W	061G0805101
R967	9965 000 43380	CHIP 1KOHM 1/10W	061G0805102
R968	9965 000 39749	100K 0805	061G0805104
R970	9965 000 43896	1K OHM 5% 1/4W	061G17210252T
R970	9965 000 43899	CFR 1K OHM -5% 1/6W	061G60210252T
R971	9965 000 43870	RST CHIPR 19.6 KOHM -1% 1/8W	061G08051962F
R972	9965 000 44296	RST CHIP 2.2K 1/8W 1%	061T08052201F
R972	9965 000 43389	RST CHIPR 2.2KOHM -1% 1/8W	061G08052201F
R974	9965 000 43381	10 KOHM 1/10W	061G0805103
R974	9965 000 44297	RST CHIPR 10 KOHM -5% 1/8W	061T0805103
R979	9965 000 43875	RST CHIPR 4.7 KOHM -1% 1/8W	061G08054701F
R990	9965 000 43872	RST CHIPR 2.2KOHM -5% 1/8W	061G0805222
R991	9965 000 43876	RST CHIPR 4.7 KOHM -5% 1/8W	061G0805472
R992	9965 000 42284	0 OHM 1/10W	061G0805000
R994	9965 000 39749	100K 0805	061G0805104
R995	9965 000 43873	RST CHIPR 39 KOHM -1% 1/8W	061G08053902F
R996	9965 000 43875	RST CHIPR 4.7 KOHM -1% 1/8W	061G08054701F
FB900	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB900	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB901	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB901	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB902	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB902	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB903	9965 000 43839	FERRITE BEAD ZBF094T-T125S-A	071G55900
FB903	9965 000 43357	FERRITE BEAD	071G55906
FB904	9965 000 43839	FERRITE BEAD ZBF094T-T125S-A	071G55900
FB904	9965 000 43357	FERRITE BEAD	071G55906
FB918	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB918	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB960	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB960	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB961	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB961	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB962	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB962	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
FB963	9965 000 44293	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G55902
FB963	9965 000 40066	FERRITE CORE 2.5*3*1 BF30TA-2	071G55901
L901	9965 000 43847	LINE FILTER 6MH 1.8A HJC-S4201	073G174902HJ
L901	9965 000 43848	LINE FILTER 6MH 2.0A LS-PH04C-00	073G174912LS
L903	9965 000 43840	PFC CHOKE 430UH 0R19 LS-PH04D-00	073G174906LS1
L903	9965 000 43843	PFC CHOKE 430UH 0R19 HJC-S6196	073T174906HJ
L910	9965 000 43849	LINE FILTER 11MH 3.5A HJC-S5086	073T174914HJ
L910	9965 000 43850	LINE FILTER 11MH 3.5A FPH6001AL	073T174914LS
L966	9965 000 43361	IND FXD OL1028H S 15U PM10 Y	073G253907T
L966	9965 000 43845	CHOKE COIL 15UH /-10% 260MOHM R5	073T253907HJ
L966	9965 000 43846	CHOKE COIL 15UH /-10% 26MOHM R5*	073T253907LS
L970	9965 000 42610	CHOKE COIL	073G253900HJ
L970	9965 000 43841	CHOKE COIL 35UH /-10% 82MOHM DR1	073G253900LS
L983	9965 000 43360	IND FXD OL1028H S 10U PM10 Y	073G253906T
L983	9965 000 43844	CHOKE COIL 10UH /-10% 14.6MOHM R	073T253906LS
L983	9965 000 43842	CHOKE COIL 10UH /-10% 17MOHM R5*	073G253904HJ
D901	9965 000 43857	DIODE STTH5L06FP TO-220FP	093G220901
D926	9965 000 43891	MLL4148 SMD	093G6432U
D926	9965 000 36035	LL4148WP	093G6444S
D926	9965 000 39775	LL4148-GS08	093G6432V
D934	9965 000 43436	DIO REC RGP10D A (GULF) A	093G6490352T
D934	9965 000 40067	RGP10-DO-204AL	093G645152T
D934	9965 000 43435	DIO REC BYT42D A (VISH) A	093G60905
D935	9965 000 43435	DIO REC BYT42D A (VISH) A	093G60905
D935	9965 000 43436	DIO REC RGP10D A (GULF) A	093G6490352T
D935	9965 000 40067	RGP10-DO-204AL	093G645152T
D950	9965 000 40067	RGP10-DO-204AL	093G645152T
D950	9965 000 43436	DIO REC RGP10D A (GULF) A	093G6490352T
D950	9965 000 43435	DIO REC BYT42D A (VISH) A	093G60905
D951	9965 000 43436	DIO REC RGP10D A (GULF) A	093G6490352T
D951	9965 000 43435	DIO REC BYT42D A (VISH) A	093G60905
D951	9965 000 40067	RGP10-DO-204AL	093G645152T
D953	9965 000 36035	LL4148WP	093G6444S
D953	9965 000 39775	LL4148-GS08	093G6432V
D953	9965 000 43891	MLL4148 SMD	093G6432U
D955	9965 000 43891	MLL4148 SMD	093G6432U
D955	9965 000 36035	LL4148WP	093G6444S
D955	9965 000 39775	LL4148-GS08	093G6432V
D957	9965 000 43426	TRANSIENT SUPPRESSOR 120V 5W	093G3990052T
D957	9965 000 43434	DIODE P6KE120A DO-15	093G3991952T
D958	9965 000 43437	DIODE UF1007 1A 1000V DO-41	093G110090052T
D958	9965 000 43438	DIO REC STTH110 (ST00) A	093G110090252T
D959	9965 000 43434	DIODE P6KE120A DO-15	093G3991952T
D959	9965 000 43426	TRANSIENT SUPPRESSOR 120V 5W	093G3990052T
D960	9965 000 36034	SP10150	093G60245
D960	9965 000 43856	DIODE MBRF10150CT TSC	093G60903
D960	9965 000 43855	DIODE MBRF10150CT 10A/150V ITO-2	093G60294
D961	9965 000 36034	SP10150	093G60245
D961	9965 000 43855	DIODE MBRF10150CT 10A/150V ITO-2	093G60294
D961	9965 000 43856	DIODE MBRF10150CT TSC	093G60903
D970	9965 000 43905	SB240-13-F DO-41	093G523DI26T
D970	9965 000 43904	SB240	093G521ZJ26T
D970	9965 000 43853	DIODE SB240 DO-41	093G52900
ZD935	9965 000 43895	RLZ15B	093T39S15T
ZD935	9965 000 43893	RLZ15B	093T39GA03T
ZD965	9965 000 43892	RLZ27B LLDS	093G39S42T
ZD966	9965 000 39777	RLZ13B LLDS	093G39S40T
ZD966	9965 000 43894	ZENER DIODE RLZ13B SEMTECH	093T39GA28T
Q901	9965 000 43865	TRA STP25NM60N 20A/600V TO-220	057G667902
Q901	9965 000 43862	MOSFET_20A/600V_FCP20N60_TO-220	057G611900
Q901	9965 000 43863	MOSFET_20A/600V_STP20NM60_TO-220	057G66731
Q902	9965 000 43864	MOSFET_9A/800V_STP10NK80ZFP_TO-2	057G66732
Q936	9965 000 12957	TR PNP PMBS3906 SOT23(PHILIPS)	057G4176
Q936	9965 000 35967	KEC 2N3906S-RTK/PS	057G41713T
Q988	9965 000 36033	RK7002	057G7592
Q988	9965 000 42651	TRA FET 2N7002 SOT-23 PHILIPS	057G763904
Q988	9965 000 42650	2N7002ESOT23 SILICONIX	057G7581
Q992	9965 000 36033	RK7002	057G7592
Q992	9965 000 42650	2N7002ESOT23 SILICONIX	057G7581
Q992	9965 000 42651	TRA FET 2N7002 SOT-23 PHILIPS	057G763904
Q993	9965 000 40045	TRA SIG SM MMBT3904 (PHSE) R	057G417903T
Q993	9965 000 36961	KEC 2N3904S-RTK/PS	057G41712T
Q993	9965 000 35966	PMBS3904/PHILIPS-SMT(04)	057G4174
IC920	9965 000 43861	IC UCC28051D SOIC-8	056T379902
IC950	9965 000 43860	IC FA5541N SOP8	056T379900
IC970	9965 000 43859	IC LA5779L-HK TO-220	056T563939
IC990	9965 000 36055	PC123Y22FZOF	056G1393A
IC990	9965 000 40055	PC123 Y82FZ0F	056G1393B
IC990	9965 000 40056	TCET1103G	056G1395A
IC991	9965 000 36055	PC123Y22FZOF	056G1393A
IC991	9965 000 40055	PC123 Y82FZ0F	056G1393B
IC991	9965 000 40056	TCET1103G	056G1395A
IC995	9965 000 36101	AZ431AZ-AE1	056G15810T
IC995	9965 000 43819	IC TL431CZ-AP TO92	056G158900

PCB Assy

1055	9965 000 44234	SIDE AV PCB ASSY	PTPF7PA2

Various

CN031	9965 000 43812	RCA JACK 1*3 Y/W/R 69054	088T7813907FP
CN032	9965 000 43813	MINI DIN JACK 4P BLACK 1471-P41-	088T100900TN
CN033	9965 000 43816	PHONE JACK 3.5MM 7P BLACK 5102-8	088T302901TN
CN034	9965 000 44299	WAFER 10P RIGHT ANGLE PITCH 2.0	033G380210HFP
C031	9965 000 43337	CHIP 0.0068UF 50V X7R 0603	065T060368232
C032	9965 000 43337	CHIP 0.0068UF 50V X7R 0603	065T060368232
R031	9965 000 36002	RST SM 0603 JUMP MAX 0R05 R	061L0603000
R032	9965 000 36002	RST SM 0603 JUMP MAX 0R05 R	061L0603000
R035	9965 000 36002	RST SM 0603 JUMP MAX 0R05 R	061L0603000
R037	9965 000 35978	CHIP 3.3K OHM 1/10W	061L0603332
R038	9965 000 35978	CHIP 3.3K OHM 1/10W	061L0603332
R039	9965 000 36003	RST SM 0603 RC0603 47K PM5 R	061L0603473
R040	9965 000 36003	RST SM 0603 RC0603 47K PM5 R	061L0603473
R041	9965 000 36003	RST SM 0603 RC0603 47K PM5 R	061L0603473
R042	9965 000 36003	RST SM 0603 RC0603 47K PM5 R	061L0603473
FB031	9965 000 42724	CHIP BEAD	071T56K121M
FB032	9965 000 42724	CHIP BEAD	071T56K121M

PCB Assy

1056	9965 000 44235	IR PCB ASSY	IRPF7PA4

Various

LED0201	9965 000 42729	LED VS L-3WSYKPBW	081G128KB
SW0201	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
C0201	9965 000 43985	CAP CHIP 0805 1U 16V Y5V /-20%	065G080510517M
R0201	9965 000 42662		061G0603331
R0202	9965 000 42218	RST CHIPR 220 OHM -5% 1/10W	061G0603221
R0203	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R0204	9965 000 42214	RST CHIPR 10 KOHM -5% 1/10W	061G0603103
R0205	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
R0206	9965 000 42225	RST CHIPR 4.7KOHM -5% 1/10W	061G0603472
Q0201	9965 000 44261	BC847C	057G419513
Q0201	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q0202	9965 000 42649	TRA SIG SM BC847C (KEC0) R	057G477900T
Q0202	9965 000 44261	BC847C	057G419513
Q0203	9965 000 43378	TRA SIG SM BC858CLG (ONSE) R	057G420902T
Q0203	9965 000 40046	BC857 SOT23	057G761900T
Q0203	9965 000 37785	TRA SIG SM BC857CG (ONSE) R	057G420519T
U0201	9965 000 42727	IC TSOP34136SB1	056G627801

PCB Assy

1057	9965 000 44236	KEY BOARD ASSY	KEPF7PA4

Various

SW0101	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
SW0102	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
SW0103	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
SW0104	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
SW0105	9965 000 40052	SWI TACT H=5 GY 160G SKHHAM B	077G6051FD
R0101	9965 000 42218	RST CHIPR 220 OHM -5% 1/10W	061G0603221
R0102	9965 000 44044	RST CHIPR 1.8 KOHM -5% 1/10W	061G0603182
R0103	9965 000 44300	RST CHIP 820R 1/10W 5%	061G0603821
R0104	9965 000 42218	RST CHIPR 220 OHM -5% 1/10W	061G0603221
R0105	9965 000 44044	RST CHIPR 1.8 KOHM -5% 1/10W	061G0603182
R0106	9965 000 42212	RST CHIPR 0 OHM -5% 1/10W	061G0603000

Model Name:32TA2800/93(CMO) 12NC:8670 000 27449

Item	Description	18NC
Mechanical Parts		
351	METAL FRAME-R	P15T0115A01
352	METAL FRAME-L	P15T0116A01
353	FRAME-PCB-CHINA	P15T0151A01
30	FRONT BEZEL ASSY	705TP734033
31	BEZEL	P34T0147 WVA1AA000
32	FRONT DECO	P34T0148ACNB1TA000
40	REAR COVER ASSY	705TP734034
42	KINGSTON PLATE	P15G0007 1
41	REAR COVER	P34T0149ABUA3AA000
50	BASE	P37T0053 1ABS
350	MAIN FRAME ASSY	705TP715017
Packing Parts		
126	RATING LABEL	P40TJV0081314A
450	CARTON	P44TJ008813 1A
451	CUSHION-TOP-R	P44TJ008A01
452	CUSHION-TOP-L	P44TJ008A02
453	CUSHION-BTM-R	P44TJ008A03
454	CUSHION-BTM-L	P44TJ008A04
116	ACETATE TAPE	P52T 58013
113	AL FOIL 80x40	P52T 59020
93	SHIELDING-CHINA	P85T0058A01
35	CONTROL BUTTON	P33T0076 WVA1AA000
Accessory		
43	NON-WOVEN FABRIC (660x10)	P36T 50028
	DFU assy	705TZ7E01002
145	USER'S MANUAL	P41TE018813 1A
	M/F-R assy	705TZE15005
1172	POWER CORD	089G414A18N IS
1172	MAINSCORD CCEE 10A 1M8 DET BK	089G414A18NLSC
1185	SPEAKER 8 OHM 5W 91x51mm	078T 486900 Z
1186	SPEAKER 8 OHM 5W 91x51mm	078T 486900 Z
1176	REMOTE CONTROL RC2023611/01B	098TTRABD4BTPHR
Miscellanea		
8804	HARNESS 130mm 75034	095T 900933 FP
8351	HARNESS 3P-3P 280mm 46492	095T8014 3925 FP
8352	HARNESS 7P-7P 660mm 46480	095T8014 7932 FP
8354	HARNESS 11P-11P 100mm 46490	095T8014 11930 FP
8805	HARNESS 12P-14P 260mm 46493	095T8014 14941 FP
8803	HARNESS 30P-15*2P 250mm 46491	095T8018 30949 FP
8801	HARNESS 2P 440mm 75031	095T8013 2968 FP
8353	HARNESS 10P-10P 240mm 46494	095T8014 10933 FP
36	BUTTON POWER	P33T0069 WVA1AA000
33	LENS-IR	P33T0070ABVA1AA000
34	LENS RING	P33T0071ABWA1AA000
8802	HARNESS 2P 640mm 46489	095T8013 2967 FP
8801	HARNESS 2P 440mm 75031	095T8013 2968 FP
8353	HARNESS 10P-10P 240mm 46494	095T8014 10933 FP
110	RUBBER-CMO	P12T 61018
115	RUBBER-BASE	P12T 61019
94	BRACKET-BASE-R	P15T0118A01
95	BRACKET-BASE-L	P15T0119A01
96	BRACKET-SIDE AV	P15T0120A01
97	VESA PLATE-R	P15T0121A01
98	VESA PLATE-L	P15T0133A01
99	BRACKET-PANEL	P15T0152A01
118	NON-WOVEN FABRIC-14x14	P36T 50002
LCD Panel		
1050	LCD PANEL V315B1-L01 BY CMO 31.5"W TV	750TVMM5B1111N
PCB Assy		
1054	POWER PCB ASSY	ADPF24160R1P
1053	SCALER PCB ASSY	CBPF72MDP2
1056	IR PCB ASSY	IRPF7PA4
1057	KEY BOARD ASSY	KEPF7PA4
1055	SIDE AV PCB ASSY	PTPF7PA2
PCB Assy		
1054	POWER PCB ASSY	ADPF24160R1P
various		
161	SCREW PH K30X8 PT	0Q1T 330 8106
166	HEATSINK(18*16*30)	P90T0040 1
167	TAPPING SCREW(SCREW W/WASHER M3X10)	0M1T1730 8 47
191	HEATSINK(69*11.63*30)	P90T0029 1
192	TAPPING SCREW(SCREW W/WASHER M3X10)	0M1T1730 8 47
194	HEAT SINK(40*12*27)	P90T0031 1
195	SCREW W/WASHER M3X14	0M1T4030 14106
1251	DIODE ASSY (BD901)	705TPJK0 93001
1252	DIODE Assy STTH5L06FP	705TPJK0 93009
1253	DIODE ASSY(D912)	705TPJK0 93003
1254	POW TRANSISTOR Assy STP25NM60N	705TPJK0 57001
1255	DC-DC ASSY (12V)	705TP756001
BD901	BRIDGE 6A/600V GBU6J VISHAY	093G 50460902
BD901	Diode GBU605	093T 504601AP
BD901	BRIDGE GBU606 6A/600V GBU	093T 50460904
CN901	AC SOCKET 20176	087T 501906 FP
F901	FUSE 250V 4A by Littelfuse	084T 41 4
IC920	IC UCC28051D SOIC-8	056T 379902
IC950	IC FA5541N SOP8	056T 379900
IC970	IC LA5779L-HK TO-220	056T 563939
IC990	PC123Y22FZOF	056G 139 3A
IC990	PC123 Y82FZ0F	056G 139 3B
IC990	TCET1103G	056G 139 5A
IC991	PC123Y22FZOF	056G 139 3A
IC991	PC123 Y82FZ0F	056G 139 3B
IC991	TCET1103G	056G 139 5A
IC995	IC AZ431AZ-AE1 TO-92 BY AAC	056G 158 10 T
IC995	IC TL431CZ-AP TO92	056G 158900
NR901	NTC 1R55 SCK101R55LSY	061G 58900 WT
T901	XFMR PPH6004AL	080TL26T909 LS
T901	HJC-S6197 by HJC	080TL26T909HJ
VAR901	VARISTOR 510V TVR14511KFC4FY	061G 46902
⊣⊢		
C900	Y1 CAP 470pF +10% 250VAC CD SERIES	065G306K4712B3
C900	470pF +10% 250VAC	065T306K4712B2
C900	Y1 CAP 470PF +10% 250V AC KX	065T306K4712BM
C901	Y1 CAP 470pF +10% 250VAC CD SERIES	065G306K4712B3
C901	470pF +10% 250VAC	065T306K4712B2
C901	Y1 CAP 470PF +10% 250V AC KX	065T306K4712BM
C905	CAP MPP 2.2uF 450V 5%	063G214J225GMC
C905	CAP MPP 2.2uF 450V 5%	063G214J225GMH
C907	EC 120uF 450V HS 30x26mm	067G 4012115C
C907	EC 120uF 450V PL 30x25mm	067G 40H12115K
C908	MPX-474K27B15L3	063G 107474 U
C908	0.47UF 275VAC	063G 107474 HS
C909	MPX-474K27B15L3	063G 107474 U
C909	0.47UF 275VAC	063G 107474 HS
C916	CHIP 0.1U 50V X7R	065G0805104 32
C917	CHIP 0.1U 50V X7R	065G0805104 32
C918	2200PF +20% 250V AC	065G306M2222B2
C918	Y1 CAP 2200PF M 250VAC CD SERIES	065G306M2222B3
C918	2200PF +20% 250VAC	065G306M2222BM
C920	MLCC 0805 560PF G 50V NPO	065G080556131G
C920	CAP CHIP 0805 560P 50V NPO 5%	065G080556131J
C921	CHIP 2.2UF 16V Y5V	065G0805225 17
C922	10NF/50V/0805/X7R	065G0805103 32
C923	CHIP 0.1U 50V X7R	065G0805104 32
C924	CHIP 22pF 50V NPO 0805	065G0805220 31
C925	CHIP 0.1U 50V X7R	065G0805104 32
C927	CHIP 1UF Y5V 0805	065G0805105 27
C927	CHIP 1UF 50V Y5V	065G0805105 37
C930	CAP CHIP 0805 22N 25V X7R 10%	065G080522322K
C931	CHIP 390PF 50V	065G0805391 31
C934	105# RADIAL E-CAPACTOR 33uF 50V	067G 3053307CT
C934	105# RADIAL E-CAPACTOR 33uF 50V	067G 3053307KT
C950	CHIP 22pF 50V NPO 0805	065G0805220 31
C951	CAP CHIP 0805 220P 50V X7R 10%	065G080522132K
C952	CAP CHIP 0805 220P 50V X7R 10%	065G080522132K
C953	CHIP 0.33UF 50V X7R	065G0805334 32
C954	105# RADIAL E-CAPACTOR 33uF 50V	067G 3053307CT
C954	105# RADIAL E-CAPACTOR 33uF 50V	067G 3053307KT
C955	CHIP 1UF 50V Y5V	065G0805105 37
C959	C CAP. 2200PF 500V PITCH 5.0 mm	065G517K2224AT
C959	C CAP. 2200PF 500V 10% X7R	065G517K2229AP
C959	C CAP. 2200PF 500V 10% X7R	065G517K2229AV
C961	F/C PPN 0.022uF 250V 5% HJC	064G 47J223 2H HJ
C964	EC 1000uF 35V GF 13x25mm	067G 515102 6C
C964	ECCAP 1000UF 35V 12.5*25mm	067G 515102 6K
C965	EC 1000uF 35V GF 13x25mm	067G 515102 6C
C965	ECCAP 1000UF 35V 12.5*25mm	067G 515102 6K
C966	EC 1000uF 35V GF 13x25mm	067G 515102 6C
C966	ECCAP 1000UF 35V 12.5*25mm	067G 515102 6K
C971	CHIP 0.1U 50V X7R	065G0805104 32
C972	EC 1000uF 16V LZ 10x16mm	067G215H102 3C
C972	LOW ESR EC 1000UF EB1C102 16V	067G215H102 3K
C972	EC 1000uF 25V LZ 10x20mm	067G215H102 4C
C972	LOW ESR EC 1000UF 25V EB1E102M	067G215H102 4K
C973	CHIP 0.1U 50V X7R	065G0805104 32
C974	CHIP 0.1U 50V X7R	065G0805104 32
C975	EC CAP 220uF 35V 8*16mm	067G 4152216KT
C975	EC 220UF/35V KF 8*16mm	067G215P2216CT
C977	CHIP 560PF 50V NPO 0805	065G0805561 31
C987	CHIP 0.1U 50V X7R	065G0805104 32
C987	CHIP 0.1UF 50V X7R	065T0805104 32
C988	CHIP 0.1U 50V X7R	065G0805104 32
C988	CHIP 0.1UF 50V X7R	065T0805104 32
C991	CHIP 0.1U 50V X7R	065G0805104 32
C995	CAP CHIP 0805 220P 50V X7R 10%	065G080522132K
C996	0.22UF,K,50V,X7R	065G0805224 32

R901	RST CHIPR 270 KOHM +5% 1/4W	061G1206274
R902	RST CHIPR 270 KOHM +5% 1/4W	061G1206274
R903	CHIP 240K OHM 1/4W	061G1206244
R910	RST CHIPR 330 KOHM +1% 1/4W	061G1206330 3F
R911	RST CHIPR 330 KOHM +1% 1/4W	061G1206330 3F
R912	RST CHIPR 330 KOHM +1% 1/4W	061G1206330 3F
R913	RST CHIP 620R 1/8W 1%	061G0805620 0F
R914	RST CHIPR 5.6 KOHM +1% 1/8W	061G0805560 1F
R917	RST CHIPR 22 KOHM +5% 1/8W	061G0805223
R918	0 OHM 1/10W	061G0805000
R920	RST MOF 0R15 1% 1W	061G208M15852T
R921	RST CHIPR 6.2 KOHM +5% 1/8W	061G0805622
R922	CHIP 1KOHM 1/10W	061G0805102
R924	RST CHIPR 33 KOHM +5% 1/8W	061G0805333
R925	RST CHIPR 47 OHM +5% 1/8W	061G0805470
R925	RST CHIPR 47 OHM +5% 1/8W	061T0805470
R926	100HM 5% 1/4W	061G 17210052T
R926	10 OHM 5% 1/6W	061G 60210052T
R927	CHIP 820K OHM 1/4W 5%	061G1206824
R928	CHIP 820K OHM 1/4W 5%	061G1206824
R929	CHIP 820K OHM 1/4W 5%	061G1206824
R930	RST CHIPR 16 KOHM +5% 1/8W	061G0805163
R931	0 OHM 1/10W	061G0805000
R932	7.5KOHM 5% 1/4W	061G 17275252T
R932	7.5KOHM +5% 1/6W	061G 60275252T
R936	10 KOHM 1/10W	061G0805103
R937	RST CHIPR 330 OHM +5% 1/8W	061G0805331
R938	CHIP 18 OHM 1/8W 5%	061G0805180
R939	10 KOHM 1/10W	061G0805103
R940	1K OHM 5% 1/4W	061G 17210252T
R940	CFR 1K OHM +5% 1/6W	061G 60210252T
R942	CHIP 18 OHM 1/8W 5%	061G0805180
R950	RST MOF 0R33 5% 1W	061G208M33852T
R952	1K OHM 5% 1/4W	061G 17210252T
R952	CFR 1K OHM +5% 1/6W	061G 60210252T
R953	RST CHIPR 150 OHM +5% 1/8W	061G0805151
R953	RST CHIPR 150 OHM +5% 1/8W	061T0805151
R954	100HM 5% 1/4W	061G 17210052T
R954	10 OHM 5% 1/6W	061G 60210052T
R955	RST CHIPR 22 KOHM +5% 1/8W	061G0805223
R957	130KOHM 5% 1/4W	061G 17213452T
R957	130KOHM +5% 1/6W	061G 60213452T
R965	RST CHIPR 100 OHM +5% 1/8W	061G0805101
R966	RST CHIPR 100 OHM +5% 1/8W	061G0805101
R967	CHIP 1KOHM 1/10W	061G0805102
R968	RST CHIP 100K 1/8W 5%	061G0805104
R970	1K OHM 5% 1/4W	061G 17210252T
R970	CFR 1K OHM +5% 1/6W	061G 60210252T
R971	RST CHIPR 19.6 KOHM +1% 1/8W	061G0805196 2F
R972	RST CHIPR 2.2KOHM +1% 1/8W	061G0805220 1F
R972	RST CHIPR 2.2KOHM +1% 1/8W	061T0805220 1F
R974	10 KOHM 1/10W	061G0805103
R974	RST CHIPR 10 KOHM +5% 1/8W	061T0805103
R979	RST CHIPR 4.7 KOHM +1% 1/8W	061G0805470 1F
R990	RST CHIPR 2.2KOHM +5% 1/8W	061G0805222
R991	RST CHIPR 4.7 KOHM +5% 1/8W	061G0805472
R992	0 OHM 1/10W	061G0805000
R994	RST CHIP 100K 1/8W 5%	061G0805104
R995	RST CHIPR 39 KOHM +1% 1/8W	061G0805390 2F
R996	RST CHIPR 4.7 KOHM +1% 1/8W	061G0805470 1F
R998	RST CHIPR 20.5KOHM +1% 1/8W	061G0805205 2F

FB900	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB900	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB901	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB901	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB902	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB902	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB903	FERRITE BEAD ZBF094T-T125S-A	071G 55900
FB903	FERRITE BEAD	071G 55906
FB904	FERRITE BEAD ZBF094T-T125S-A	071G 55900
FB904	FERRITE BEAD	071G 55906
FB918	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB918	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB960	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB960	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB961	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB961	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB962	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB962	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
FB963	FERRITE CORE 2.5*3*1 BF30TA-2	071G 55901
FB963	FERRITE CORE 35R W5 RH 2.5X3X1.0	071G 55902
L901	LINE FILTER 6mH 1.8A HJC-S4201	073G 174902 HJ
L901	LINE FILTER 6mH 2.0A LS-PH04C-003LF	073G 174912 LS
L903	PFC CHOKE 430uH 0R19 LS-PH04D-001LF A	073G 174906LS1
L903	PFC CHOKE 430uH 0R19 HJC-S6196	073T 174906 HJ
L910	LINE FILTER 11mH 3.5A HJC-S5086 A	073T 174914 HJ
L910	LINE FILTER 11mH 3.5A FPH6001AL	073T 174914 LS
L966	CHOKE COIL 15uH10% 26mohm R5*25	073G 253907 T
L966	CHOKE COIL 15uH10% 26mohm R5*25	073T 253907 H
L966	CHOKE COIL 15uH10% 260mohm R5*25	073T 253907 HJ
L966	CHOKE COIL 15uH10% 26mohm R5*25	073T 253907 LS
L970	CHOKE COIL	073G 253900 HJ
L970	CHOKE COIL 35uH10% 82mohm DR10*8	073G 253900 LS
L983	CHOKE COIL 10uH10% 17mohm R5*25	073G 253904 HJ
L983	CHOKE COIL 10uH10% 14.6mohm R5*25	073G 253906 T
L983	CHOKE COIL 10uH10% 14.6mohm R5*25	073T 253906 H
L983	CHOKE COIL 10uH10% 14.6mohm R5*25	073T 253906 LS

D901	Diode STTH5L06FP TO-220FP	093G 220901
D926	LL4148WP	093G 64 44 S
D926	MLL4148 SMD	093G 6432U
D926	LL4148-GSO8	093G 6432V
D934	DIO REC BYT42D A (VISH) A	093G 60905
D934	RGP10-DO-204AL	093G 64 5152T
D934	DIO REC RGP10D A (GULF) A	093G 6490352T
D935	DIO REC BYT42D A (VISH) A	093G 60905
D935	RGP10-DO-204AL	093G 64 5152T
D935	DIO REC RGP10D A (GULF) A	093G 6490352T
D950	DIO REC BYT42D A (VISH) A	093G 60905
D950	RGP10-DO-204AL	093G 64 5152T
D950	DIO REC RGP10D A (GULF) A	093G 6490352T
D951	DIO REC BYT42D A (VISH) A	093G 60905
D951	RGP10-DO-204AL	093G 64 5152T
D951	DIO REC RGP10D A (GULF) A	093G 6490352T
D953	LL4148WP	093G 64 44 S
D953	MLL4148 SMD	093G 6432U
D953	LL4148-GSO8	093G 6432V
D955	LL4148WP	093G 64 44 S
D955	MLL4148 SMD	093G 6432U
D955	LL4148-GSO8	093G 6432V
D957	DIODE P6KE120A DO-15	093G 3990052T
D957	DIODE P6KE120A DO-15	093G 3991952T
D958	DIODE UF1007 1A 1000V DO-41	093G110090052T
D958	DIO REC STTH110 (ST00) A	093G110090252T
D959	DIODE P6KE120A DO-15	093G 3990052T
D959	DIODE P6KE120A DO-15	093G 3991952T
D960	SP10150 10A 150V ITO-220 BY SECOS	093G 60245
D960	DIODE MBRF10150CT 10A/150V ITO-220	093G 60294
D960	Diode MBRF10150CT TSC	093G 60903
D961	SP10150 10A 150V ITO-220 BY SECOS	093G 60245
D961	DIODE MBRF10150CT 10A/150V ITO-220	093G 60294
D961	Diode MBRF10150CT TSC	093G 60903
D970	SB240	093G 521ZJ26T
D970	SB240-13-F DO-41	093G 523DI26T
D970	DIODE SB240 DO-41	093G 52900
ZD935	RLZ15B	093T 39GA03 T
ZD935	RLZ15B	093T 39S 15 T
ZD965	RLZ27B LLDS	093G 39S 42 T
ZD966	RLZ 13B LLDS	093G 39S 40 T
ZD966	ZENER DIODE RLZ13B SEMTECH	093T 39GA28 T

Q901	MOSFET_20A/600V_FCP20N60_TO-220	057G 611900
Q901	MOSFET_20A/600V_STP20NM60_TO-220	057G 667 31
Q901	TRA STP25NM60N 20A/600V TO-220	057G 667902
Q902	MOSFET_9A/800V_STP10NK80ZFP_TO-220FP	057G 667 32
Q936	PMBS3906/PHILIPS-SMT(06)	057G 417 6
Q936	KEC 2N3906S-RTK/PS	057G 417 13 T
Q988	2N7002ESOT23 SILICONIX	057G 758 1
Q988	RK7002	057G 759 2
Q988	TRA FET 2N7002 SOT-23 PHILIPS	057G 763904
Q992	2N7002ESOT23 SILICONIX	057G 758 1
Q992	RK7002	057G 759 2
Q992	TRA FET 2N7002 SOT-23 PHILIPS	057G 763904
Q993	PMBS3904/PHILIPS-SMT(04)	057G 417 4
Q993	KEC 2N3904S-RTK/PS	057G 417 12 T
Q993	TRA SIG SM MMBT3904 (PHSE) R	057G 417903 T

PCB Assy

1053	SCALER PCB ASSY	CBPF72MDP2

various

	N2	CN-313816850385
	Scaler PCB FOR SMT	SMTF72MDP2
	MAIN BOARD	715T2441 1
291	LABEL	P40TJ00081325A
295	LABEL	P40TJ00081325A
615	HEX CODE	100TP101000271
1256	SERIAL IIC EEPROM ASSY	705TPJK0 56003
1257	SPI FLASH ASSY	705TPJK0 56004
CN1101	D-SUB#15PIN#	088T353A15F HJ
CN1101	D-SUB CONN 15PIN F 900-261521-02-A	088G353A15F LS
CN1101	15PIN###D-SUB	088T353A15F H

CN2201	RCA JACK 2*3 G/B/R+G/B/R	088T 78 13918 TN
CN2201	RCA JACK 2*3 G/B/R+G/B/R	088T 78 13925 S
CN2202	RCA JACK + S JACK Y/B 5105-825-165-65	088T 78 13916 TN
CN2301	WAFER	033G3802 10 H FP
CN4101	WAFER 2.0MM 4P 63384	033G3802 4 FP
CN5101	DVI CONN 24P F RIGHT ANGLE 1241-140-154-	088G 35424FH1S
CN6101	RCA JACK 2*2 W/R+W/R 2PJ-244V-A04	088T 78 13900 S
CN6101	RCA JACK 2*2 W/R+W/R 5105-855-092-65	088T 78 13900 TN
CN6102	RCA JACK 2*1 W/R 5105-825-072-65	088T 78 13904 TN
CN6103	PHONE JACK 3.5mm 5P GREEN 69020	088G 302902 FP
CN6301	WAFER 2P RIGHT ANGLE PITCH 2.0 63362	033G3802 2 H FP
CN6302	WAFER 2P RIGHT ANGLE PITCH 2.5 69072	033G3803 2 H FP
CN7201	CONNECTOR	033G3802 11 FP
CN7301	CON BM H 3P (63363)	033G3802 3 H FP
CN7302	CON BM H 3P (63363)	033G3802 3 H FP
CN7303	WAFER 7P RIGHT ANGLE PITCH 2.0 63367	033G3802 7 H FP
CN7501	WAFER PLUG 30P 1.25MM 60948	033G8033 30 FP
TU2101	TUNER, FQ1256/ I H-5	094T PALBDI 1P
X4101	CRYSTAL 14M318 18P HC49/S	093G 22S903 C

C1101	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C1102	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C1103	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C1104	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C1108	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1109	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1110	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1111	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1112	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1113	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C1114	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C1115	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2101	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C2102	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2105	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C2106	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C2107	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C2110	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C2111	EC CAP 1000UF M 16V	067G305V102 3
C2202	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2203	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2207	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2208	CAP CHIP 0603 1N 25V NPO +/-5%	065G060310221J
C2211	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2212	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2213	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2214	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2215	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2216	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2217	CAP CHIP 0603 1N 25V NPO +/-5%	065G060310221J
C2224	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2225	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2226	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2227	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2230	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2234	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2303	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2306	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C2309	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C4101	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4103	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4104	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4105	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4106	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C4107	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C4108	EC 10uF 50V KM 5x11mm	067G305V100 7
C4109	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4110	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C4111	4.7U/25V X7R	065G1206475 22
C4112	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4113	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4114	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4115	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4116	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4117	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4118	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4119	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4120	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4121	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4122	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4123	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4124	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4125	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4126	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4127	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4128	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4129	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4130	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4131	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4132	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4133	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4134	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C4135	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C4136	CAP CHIP 0603 47N 16V X7R +/-10%	065G060347312K
C4137	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4138	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4139	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4140	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4141	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4143	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4144	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4145	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4146	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4147	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4148	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4149	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4150	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4151	CAP CHIP 0603 1N 50V NPO +/-5%	065G060310231J
C4152	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4153	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4201	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C4202	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4203	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4204	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4205	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4206	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4207	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4208	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4209	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4210	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4211	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C4212	CAP CHIP 0603 1N 50V NPO +/-5%	065G060310231J
C5101	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C5106	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C6101	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6102	CHIP 2.2UF 16V Y5V	065G0805225 17
C6103	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6104	CHIP 2.2UF 16V Y5V	065G0805225 17
C6105	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6106	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6107	CHIP 2.2UF 16V Y5V	065G0805225 17
C6108	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6109	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6110	CHIP 2.2UF 16V Y5V	065G0805225 17
C6111	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6112	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6113	CHIP 2.2UF 16V Y5V	065G0805225 17
C6114	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6115	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6116	CHIP 2.2UF 16V Y5V	065G0805225 17
C6117	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6118	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6201	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6202	CER2 1206 Y5V 10V 10U P8020 R	065G1206106A7Z
C6203	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6204	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6205	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6206	CAP CHIP 4.7UF 10V Y5V -20%~+80%	065G0805475A7Z
C6207	CAP CHIP 4.7UF 10V Y5V -20%~+80%	065G0805475A7Z
C6208	CAP CHIP 4.7UF 10V Y5V -20%~+80%	065G0805475A7Z
C6209	CAP CHIP 4.7UF 10V Y5V -20%~+80%	065G0805475A7Z
C6210	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6211	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6212	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6213	CAP CHIP 0805 560P 50V NPO +/-5%	065G080556131J
C6215	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C6216	CHIP 2.2UF 16V Y5V	065G0805225 17
C6217	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6218	CHIP 2.2UF 16V Y5V	065G0805225 17
C6219	CAP CHIP 0603 22P 50V NPO +/-5%	065G060322031J
C6301	1UF +-10% 6V X7R	065G0805105 12
C6301	CAP CHIP 0805 1U 16V X7R +/-10%	065G080510512K
C6302	CAP CHIP 0.47uF 50V X7R +/- 10%	065G1206474 32
C6306	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6307	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6308	CAP CHIP 0805 100N 50V X7R +/-10%	065G080510432K
C6309	EC 470uF 25V LZ 10x12.5mm	067G215R471 4C
C6309	EC 470uF 25V EB 10x13mm	067G215R471 4K
C6310	EC 470uF 25V LZ 10x12.5mm	067G215R471 4C
C6310	EC 470uF 25V EB 10x13mm	067G215R471 4K
C6312	CAP CHIP 0603 100P 50V NPO +/-5%	065G060310131J
C6313	CAP CHIP 0603 100P 50V NPO +/-5%	065G060310131J
C6315	CER 1210 10U 25V Y5V -20%+80%	065G121010627Z
C6316	CER 1210 10U 25V Y5V -20%+80%	065G121010627Z
C6319	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6320	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6321	CAP CHIP 0805 220N 25V Y5V -20%+80%	065G080522427Z
C6322	CAP CHIP 0805 220N 25V Y5V -20%+80%	065G080522427Z
C6323	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z

C6324	CAP CHIP 0805 1U 25V X7R +/-10%	065G080510522K
C6325	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6326	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6327	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6328	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6329	CER 1210 10U 25V Y5V -20%+80%	065G121010627Z
C6330	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6331	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6332	CHIP CAP 0805 220PF J 50V NPO	065G080522131J
C6333	CAP CHIP 0805 1U 25V X7R +/-10%	065G080510522K
C6334	CAP CHIP 0805 220N 25V Y5V -20%+80%	065G080522427Z
C6335	CAP CHIP 0805 220N 25V Y5V -20%+80%	065G080522427Z
C6336	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6337	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6338	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6339	CAP CHIP 0805 100N 50V X7R +/-10%	065G080510432K
C6340	1UF +-10% 6V X7R	065G0805105 12
C6340	CAP CHIP 0805 1U 16V X7R +/-10%	065G080510512K
C6341	CER 1210 10U 25V Y5V -20%+80%	065G121010627Z
C6342	CER 1210 10U 25V Y5V -20%+80%	065G121010627Z
C6343	MLCC 0603 CAP 0.47UF Z 10V Y5V	065G0603474A7Z
C6344	ELCAP SK 10V S 330U PM20 B	067G305M331 2C
C6344	ELCAP SS-H 10V S 330U PM20 B	067G305M331 2K
C6344	EC 330uF 10V SJ 8x7mm	067G305M331 2L
C6345	CAP CHIP 0603 100P 50V NPO +/-5%	065G060310131J
C6346	CAP CHIP 0603 100P 50V NPO +/-5%	065G060310131J
C6347	CAP CHIP 0603 1U 10V Y5V -20%+80%	065G0603105A7Z
C6348	ELCAP SK 10V S 330U PM20 B	067G305M331 2C
C6348	ELCAP SS-H 10V S 330U PM20 B	067G305M331 2K
C6348	EC 330uF 10V SJ 8x7mm	067G305M331 2L
C6349	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6350	CAP CHIP 0603 100N 25V X7R +/-10%	065G060310422K
C6351	CAP CHIP 0.47uF 50V X7R +/- 10%	065G1206474 32
C6352	CAP CHIP 0603 10N 50V X7R +/-10%	065G060310332K
C6353	CAP CHIP 0603 10N 50V X7R +/-10%	065G060310332K
C6354	CAP CHIP 0603 10N 50V X7R +/-10%	065G060310332K
C6355	CAP CHIP 0603 10N 50V X7R +/-10%	065G060310332K
C7101	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7102	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7103	EC 470uF 25V LZ 10x12.5mm	067G215R471 4C
C7103	EC 470uF 25V EB 10x13mm	067G215R471 4K
C7104	EC 470uF 25V LZ 10x12.5mm	067G215R471 4C
C7104	EC 470uF 25V EB 10x13mm	067G215R471 4K
C7109	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7112	EC 10uF 50V KM 5x11mm	067G305V100 7
C7113	PHONE JACK 3.5mm 3P 5102-A4R-032-53	067G305M101 2C
C7113	EC 100uF 10V SS-H 5x7mm	067G305M101 2K
C7114	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7115	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7116	EC 470uF 25V LZ 10x12.5mm	067G215R471 4C
C7116	EC 470uF 25V EB 10x13mm	067G215R471 4K
C7118	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7119	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7120	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7121	EC 10uF 50V KM 5x11mm	067G305V100 7
C7122	PHONE JACK 3.5mm 3P 5102-A4R-032-53	067G305M101 2C
C7122	EC 100uF 10V SS-H 5x7mm	067G305M101 2K
C7123	EC 10uF 50V KM 5x11mm	067G305V100 7
C7124	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7125	PHONE JACK 3.5mm 3P 5102-A4R-032-53	067G305M101 2C
C7125	EC 100uF 10V SS-H 5x7mm	067G305M101 2K
C7126	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7127	EC 470uF 25V EB 10x13mm	067G215R471 4K
C7130	CAP CHIP 0603 330N 16V Y5V -20%+80%	065G060333417Z
C7131	EC 10uF 50V KM 5x11mm	067G305V100 7
C7132	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7137	CAP CHIP 0603 330N 16V Y5V -20%+80%	065G060333417Z
C7138	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7204	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7205	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7206	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7207	EC 470uF 35V KM 10x16mm	067G 305471 6C
C7207	EC 470uF 35V RGA 10x16mm	067G 305471 6E
C7208	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7209	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7210	EC 100uF 25V RGA 8x11.5mm	067G305V101 4L
C7301	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7302	CAP CHIP 0603 100N 50V Y5V -20%+80%	065G060310437Z
C7303	CAP CHIP 0603 33P 50V NPO +/-5%	065G060333031J
C7304	CAP CHIP 0603 33P 50V NPO +/-5%	065G060333031J

R1101	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R1102	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R1103	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R1104	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R1105	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R1106	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R1110	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R1111	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R1114	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1115	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R1116	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R1117	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1118	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1119	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1121	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R1122	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R1123	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R1124	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1125	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1126	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R1127	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R1128	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R1129	RST CHIPR 2.2 KOHM +-5% 1/10W	061G0603222
R1130	RST CHIPR 2.2 KOHM +-5% 1/10W	061G0603222
R1131	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R2101	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R2102	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R2103	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R2104	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2105	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R2106	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R2109	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R2113	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R2114	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R2201	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2202	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2203	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2204	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2205	RST CHIPR 470 OHM +-5% 1/10W	061G0603471
R2206	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2207	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2208	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2209	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2210	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2211	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2212	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2213	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2214	RST CHIPR 470 OHM +-5% 1/10W	061G0603471
R2215	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2216	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2217	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2218	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2219	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2220	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2221	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2222	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2223	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2224	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2226	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2227	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2301	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2302	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R2303	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2304	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2305	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R2306	RST CHIPR 75 OHM +-1% 1/10W	061G0603750 9F
R2307	RST CHIPR 47 OHM +-1% 1/10W	061G0603470 9F
R4102	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R4104	RST CHIPR 1 MOHM +-5% 1/10W	061G0603105
R4105	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4106	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R4107	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4108	RST CHIPR 390 OHM +-1% 1/10W	061G0603390 0F
R4109	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4110	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4112	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4113	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4114	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4115	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4117	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R4119	RST CHIPR 10 OHM +-5% 1/10W	061G0603100
R4120	RST CHIPR 10 OHM +-5% 1/10W	061G0603100
R4121	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4122	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4123	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4124	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4125	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4126	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4127	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4128	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4129	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4130	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4131	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4132	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4133	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4134	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4135	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4136	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103

R4137	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R4138	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4143	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4144	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4145	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4146	RST CHIPR 15KOHM +-5% 1/10W	061G0603153
R4147	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4148	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4149	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4150	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4151	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4152	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4153	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4154	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4155	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R4156	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4157	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4158	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4159	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4161	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4162	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4163	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R4165	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4166	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4167	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4168	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4169	RST CHIP 1K 1/10W 5%	061G0603102
R4170	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4171	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4172	RST CHIP 1K 1/10W 5%	061G0603102
R4173	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4174	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R4175	RST CHIPR 3.3 KOHM +-5% 1/10W	061G0603332
R4176	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4177	RST CHIP 1K 1/10W 5%	061G0603102
R4178	RST CHIP 1K 1/10W 5%	061G0603102
R4180	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4182	RST CHIPR 3.3 KOHM +-5% 1/10W	061G0603332
R4183	RST CHIP 1K 1/10W 5%	061G0603102
R4184	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R4185	RST CHIPR 100 KOHM +-5% 1/10W	061G0603104
R4186	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4201	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R4203	RST CHIP 1K 1/10W 5%	061G0603102
R4204	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4205	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R4206	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4207	RST CHIP 1K 1/10W 5%	061G0603102
R4208	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4210	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4211	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R4212	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R4213	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R4214	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4215	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4216	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4217	RST CHIPR 150 OHM +-1% 1/10W	061G0603150 0F
R4218	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R4219	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R4220	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R4221	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R4222	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R5101	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R5102	RST CHIPR 47 KOHM +-5% 1/10W	061G0603473
R5103	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R5104	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R5105	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R5106	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R5107	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R5108	RST CHIP 1K 1/10W 5%	061G0603102
R5109	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R5110	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R5111	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R6101	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6102	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6103	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6104	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6105	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6106	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6107	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6108	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6109	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6110	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6111	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6112	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6201	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6202	RST CHIPR 2.2 KOHM +-5% 1/10W	061G0603222
R6203	RST CHIPR 2.2 KOHM +-5% 1/10W	061G0603222
R6204	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6205	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6206	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6207	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6208	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6209	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6210	RST CHIPR 470 KOHM +-5% 1/10W	061G0603474
R6211	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6212	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6213	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6214	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6215	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6216	RST CHIPR 12 KOHM +-5% 1/10W	061G0603123
R6217	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6218	RST CHIP 1K 1/10W 5%	061G0603102
R6219	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R6220	RST CHIPR 22 OHM +-5% 1/10W	061G0603220
R6302	0 OHM 1/8W	061G1206000
R6308	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R6309	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6311	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6312	RST CHIP 330R 1/10W 5%	061G0603331
R6313	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R6314	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R6315	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R6316	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R6317	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R6318	RST CHIPR 100 KOHM +-5% 1/10W	061G0603104
R6319	RST CHIPR 100 KOHM +-5% 1/10W	061G0603104
R6320	RST CHIPR 120 KOHM +-5% 1/10W	061G0603124
R6323	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R6324	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6325	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R6326	RST CHIPR 39 KOHM +-5% 1/10W	061G0603393
R6327	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R6328	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R6329	RST CHIPR 22 KOHM +-5% 1/10W	061G0603223
R6330	RST CHIPR 39 KOHM +-5% 1/10W	061G0603393
R7102	RST CHIPR 100 KOHM +-5% 1/10W	061G0603104
R7103	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7104	RST CHIPR 47 KOHM +-5% 1/10W	061G0603473
R7105	RST CHIPR 390 KOHM +-5% 1/10W	061G0603394
R7106	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7107	RST CHIP 1K 1/10W 5%	061G0603102
R7108	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7113	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7116	RST CHIPR 220 KOHM +-5% 1/10W	061G0603224
R7117	RST CHIPR 47 KOHM +-5% 1/10W	061G0603473
R7118	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7120	RST CHIP 1K 1/10W 5%	061G0603102
R7121	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7122	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7123	RST CHIPR 220 KOHM +-5% 1/10W	061G0603224
R7124	RST CHIPR 56 KOHM +-5% 1/10W	061G0603563
R7125	RST CHIPR 47 KOHM +-5% 1/10W	061G0603473
R7126	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7128	RST CHIP 1K 1/10W 5%	061G0603102
R7130	RST CHIPR 75 KOHM +-5% 1/10W	061G0603753
R7131	RST CHIPR 33KOHM +-5% 1/10W	061G0603333
R7132	RST CHIPR 47 KOHM +-5% 1/10W	061G0603473
R7135	0 OHM 1/8W	061G1206000
R7201	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R7202	RST CHIPR 4.7KOHM +-5% 1/10W	061G0603472
R7203	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7204	RST CHIPR 10 OHM +-5% 1/10W	061G0603100
R7205	RST CHIP 1K 1/10W 5%	061G0603102
R7206	RST CHIPR 2.2 KOHM +-5% 1/10W	061G0603222
R7207	RST CHIPR 10 OHM +-5% 1/10W	061G0603100
R7208	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R7209	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R7210	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R7211	RST CHIPR 47 OHM +-5% 1/10W	061G0603470
R7213	RST CHIPR 10 KOHM +-5% 1/10W	061G0603103
R7301	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7302	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7303	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7304	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7305	RST CHIPR 0 OHM +-5% 1/10W	061G0603000
R7306	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7307	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7308	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7309	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
R7310	RST CHIPR 100 OHM +-5% 1/10W	061G0603101
RP4201	RST CHIP AR 8P4R 100 OHM +-5% 1/16W	061G 125101 8
RP4202	RST CHIP AR 8P4R 100 OHM +-5% 1/16W	061G 125101 8
RP4203	RST CHIP AR 8P4R 100 OHM +-5% 1/16W	061G 125101 8
RP4204	RST CHIP AR 8P4R 100 OHM +-5% 1/16W	061G 125101 8

FB1101	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB1101	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB1102	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR

FB1102	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB1103	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB1103	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB1104	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB2101	CHIP BEAD HCB3216K-101T80	071G 57C101
FB2102	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2102	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2201	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2201	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2202	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2202	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2203	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2203	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2204	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2204	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2205	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2205	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2206	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2206	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2207	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2207	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2208	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2208	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2209	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2209	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2301	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2301	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2302	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2302	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB2303	CHIP BEAD 30R/1000mA BLM18PG300SN1D	071G 59D300 MR
FB2303	CHIP BEAD 0603 30R/700mA TAI-TECH	071G 59K300 TA
FB4101	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4101	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4102	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4102	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4103	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4103	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4104	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4104	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4105	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4105	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4106	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4106	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4107	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4107	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4108	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4108	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4110	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4110	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4201	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4201	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB4202	CHIP BEAD 600R/200mA FCM1608K-601T02	071G 59C601 TA
FB4202	CHIP BEAD 600R/500mA MMZ1608S601CT	071G 59S601 T
FB5101	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB6301	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB6303	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB6304	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB6305	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB6306	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB7102	IND FXD 0805 EMI 100MHZ 220R R	071G 56A221 TA
FB7104	IND FXD 0805 EMI 100MHZ 220R R	071G 56A221 TA
FB7201	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB7202	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB7204	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB7205	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
FB7206	IND FXD 0805 EMI 100MHZ 120R R	071G 56121 TA
L6301	CHOKE 10uH 10% TSL0808S-100K2R6	073G 259900
L6302	IND FXD TSL0808 S 33U PM10 B	073G 259902
L6303	IND FXD TSL0808 S 33U PM10 B	073G 259902
L6304	IND FXD TSL0808 S 33U PM10 B	073G 259902
L6305	IND FXD TSL0808 S 33U PM10 B	073G 259902
L7101	CHOKE COIL	073G 253900 HJ
L7101	CHOKE COIL 35uH+/-10% 82mohm DR10*8	073G 253900 LS
L7102	CHOKE COIL	073G 253900 HJ
L7102	CHOKE COIL 35uH+/-10% 82mohm DR10*8	073G 253900 LS
L7103	CHOKE COIL	073G 253900 HJ
L7103	CHOKE COIL 35uH+/-10% 82mohm DR10*8	073G 253900 LS
L7104	CHOKE COIL	073G 253900 HJ
L7104	CHOKE COIL 35uH+/-10% 82mohm DR10*8	073G 253900 LS

D1101	DIO SIG SM BAT54C(PHSE)R	093G 60505
D1101	BAT54C BY MCC	093T 60230
D1102	DIO SIG SM BAV99 (PHSE)R	093G 64 33
D1103	DIO SIG SM BAV99 (PHSE)R	093G 64 33
D1104	DIO SIG SM BAV99 (PHSE)R	093G 64 33
D5101	DIO SIG SM BAT54C(PHSE)R	093G 60505
D5101	BAT54C BY MCC	093T 60230
D5102	DIO SIG SM BAT54C(PHSE)R	093G 60505
D5102	BAT54C BY MCC	093T 60230
D7102	DIODE S1D-E3 VISHAY	093G1020 PH
D7104	DIODE S1D-E3 VISHAY	093G1020 PH
D7105	DIODE S1D-E3 VISHAY	093G1020 PH
ZD1101	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD1101	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD1102	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD1102	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD1103	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD1103	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD1104	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD1104	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD1105	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD1105	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD5101	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD5101	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD5102	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD5102	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD5103	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD5103	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD7101	DIODE SSA34 VISHAY	093G 60S801
ZD7102	DIODE SSA34 VISHAY	093G 60S801
ZD7103	DIODE SSA34 VISHAY	093G 60S801
ZD7104	DIODE SSA34 VISHAY	093G 60S801
ZD7303	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD7303	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T
ZD7304	DIODE BZX84-C5V6 SOT-23 VISHAY	093G 39S901 T
ZD7304	DIODE BZX84-C5V6 SOT-23 PHILIPS	093G 39S911 T

Q5101	BC847C	057G 419513
Q5101	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q5102	BC847C	057G 419513
Q5102	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q6201	TRA SIG SM MUN2211J(ONSE)R	057G 7601PH
Q6201	TRA PDTC114EK SC-59 PHILIPS	057G 7602PH
Q6301	BC847C	057G 419513
Q6301	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q7101	TRA SIG SM MUN2211J(ONSE)R	057G 7601PH
Q7101	TRA PDTC114EK SC-59 PHILIPS	057G 7602PH
Q7102	BC847C	057G 419513
Q7102	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q7103	TRA SIG SM MUN2211J(ONSE)R	057G 7601PH
Q7103	TRA PDTC114EK SC-59 PHILIPS	057G 7602PH
Q7104	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q7105	FET POW SM SI5441DC(VISH)R	057G 7631PH
Q7106	BC847C	057G 419513
Q7106	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q7107	TRA SIG SM MUN2211J(ONSE)R	057G 7601PH
Q7107	TRA PDTC114EK SC-59 PHILIPS	057G 7602PH
Q7108	TRA SIG SM MUN2211J(ONSE)R	057G 7601PH
Q7108	TRA PDTC114EK SC-59 PHILIPS	057G 7602PH
Q7111	FET POW SM SI5441DC(VISH)R	057G 7631PH
Q7201	BC847C	057G 419513
Q7201	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q7202	BC847C	057G 419513
Q7202	TRA SIG SM BC847C (KEC0) R	057G 477900 T
U1101	M24C02-WMN6TP	056G1133 34
U4101	IC MST96889LD-LF LQFP-256	056T 562911
U4103	IC M24C32-WMN6T SO-8 ST	056G113353A
U4106	IC AP1702EWL SOT23	056T 643903
U4201	HY5DU281622ETP-5	056G 615 51 1
U4202	IC S25FL004A SO-8	056T1133917
U4202	IC MX25L4005AM2C-12G SOP-8	056T1133923
U5101	M24C02-WMN6TP	056G1133 34
U6201	IC 74HC4052D PHILIPS	056T 614 1
U6301	IC TPA3005D2PHP PQFP48	056G 616901
U6303	TPA6110A2DGBRG4 MSOP-8(DGN)	056G 616 8
U7101	IC AIC1596-12PM5	056T 563932
U7102	IC AIC1596-33PM5 TO263-5	056T 563927
U7104	IC AME8815AEGT330Z SOT-223 AME	056G 563903
U7105	IC AIC1596-50PM5 TO263-5	056T 563926
U7106	IC AME8815AEGT180Z SOT-223 AME	056G 563902
U7107	AME8815BEGT250Z SOT-223BY AME	056G 563 44
U7108	IC AIC1596-50PM5 TO263-5	056T 563926

PCB Assy

1056	IR PCB ASSY	IRPF7PA4

various

181	IR HOLDER	P11T0012 1
182	HOLDER LED	P11T0002 1
6902	LED?쌉 ASSY	705TPEK0 81002
	N2	CN-313816850385
	IR PCB for SMT	SMTIRPF7PA4
LED0201	LED VS L-3WSYKPBW	081G 12 8 KB
SW0201	SWI TACT H=5 GY 160G SKHHAM B	077G 605 1 FD

C0201	CAP CHIP 0805 1U 16V Y5V 20%	065G080510517M
R0202	RST CHIPR 220 OHM +5% 1/10W	061G0603221
R0203	RST CHIPR 4.7KOHM +5% 1/10W	061G0603472
R0204	RST CHIPR 10 KOHM +5% 1/10W	061G0603103
R0205	RST CHIPR 4.7KOHM +5% 1/10W	061G0603472
R0206	RST CHIPR 4.7KOHM +5% 1/10W	061G0603472
Q0201	BC847C	057G 419513
Q0201	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q0202	BC847C	057G 419513
Q0202	TRA SIG SM BC847C (KEC0) R	057G 477900 T
Q0203	TRA SIG SM BC857CG (ONSE) R	057G 420519 T
Q0203	TRA SIG SM BC858CLG (ONSE) R	057G 420902 T
Q0203	BC857 SOT23	057G 761900 T
R0201	RST CHIP 330R 1/10W 5%	061G0603331
U0201	IC TSOP34136SB1	056G 627801

PCB Assy

1057	KEY BOARD ASSY	KEPF7PA4

various

CN0101	CON H 3P M 1.25 60923	033T8032 3P H FP
SW0101	TACT SW BY FORWARD SFKQGMA2125T-PL	077G 607 2 FD
SW0102	TACT SW BY FORWARD SFKQGMA2125T-PL	077G 607 2 FD
SW0103	TACT SW BY FORWARD SFKQGMA2125T-PL	077G 607 2 FD
SW0104	TACT SW BY FORWARD SFKQGMA2125T-PL	077G 607 2 FD
SW0105	TACT SW BY FORWARD SFKQGMA2125T-PL	077G 607 2 FD
R0105	RST CHIPR 1.8 KOHM +5% 1/10W	061G0603182
R0102	RST CHIPR 1.8 KOHM +5% 1/10W	061G0603182
R0104	RST CHIPR 220 OHM +5% 1/10W	061G0603221
R0101	RST CHIPR 220 OHM +5% 1/10W	061G0603221
R0103	RST CHIPR 820 OHM +5% 1/10W	061G0603821
R0106	0 OHM 1/10W	061G0805000

PCB Assy

1055	SIDE AV PCB ASSY	PTPF7PA2

various

CN031	RCA JACK 1*3 Y/W/R 69054	088T 78 13907 FP
CN032	MINI DIN JACK 4P BLACK 1471-P41-4S8-54	088T 100900 TN
CN033	PHONE JACK 3.5mm 7P BLACK 5102-84V-021-5	088T 302901 TN
C031	CAP CHIP 0603 6N8 50V X7R 10%	065G060368232K
C032	CAP CHIP 0603 6N8 50V X7R 10%	065G060368232K
R035	RST CHIPR 0 OHM +5% 1/10W	061G0603000
R032	RST CHIPR 0 OHM +5% 1/10W	061G0603000
R031	RST CHIPR 0 OHM +5% 1/10W	061G0603000
R038	RST CHIPR 3.3 KOHM +5% 1/10W	061G0603332
R037	RST CHIPR 3.3 KOHM +5% 1/10W	061G0603332
R042	RST CHIPR 47 KOHM +5% 1/10W	061G0603473
R041	RST CHIPR 47 KOHM +5% 1/10W	061G0603473
R040	RST CHIPR 47 KOHM +5% 1/10W	061G0603473
R039	RST CHIPR 47 KOHM +5% 1/10W	061G0603473
FB031	CHIP BEAD	071G 56K121 M
FB032	CHIP BEAD	071G 56K121 M

Diversity of 32TA2800/79(CMO) compared with 32TA2800/93(CMO)

32TA2800/79(8670 000 27455)			32TA2800/93(8670 000 27449)		
Item	18 Code Number	DESCRIPTION	Item	18 Code Number	DESCRIPTION
126	P40TJV0081315A	RATING LABEL	126	P40TJV0081314A	RATING LABEL
450	P44TJ008813 3A	CARTON	450	P44TJ008813 1A	CARTON
1172	089G412A18NIS1	MAINSCORD AUS/NZ 10A 1M8 BK	1172	089G414A18N IS	POWER CORD
1172	089G412A18NLS1	MAINSCORD AUS/NZ 7A5 1M8 BK	1172	089G414A18NLSC	MAINSCORD CCEE 10A 1M8 DET BK
1173	089G402A18NIS5	MAINSCORD UL 10A 1M8 DET BK			
1173	089G402A18NLS2	MAINSCORD			
1176	098TRABD4BTPHR	REMOTE CONTROL RC2023611/01B	1176	098TTRABD4BTPHR	REMOTE CONTROL RC2023611/01B
	705TZ7E01017	DFU ASSY		705TZ7E01002	DFU assy
1053	CBPF72MLP1	SCALER PCB ASSY	1053	CBPF72MDP2	SCALER PCB ASSY
CN2301	033G3802 10 H FP	WAFER			
CN4101	033G3802 4 FP	WAFER 2.0MM 4P 63384			
FB4101	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4101	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4102	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4102	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4103	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4103	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4104	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4104	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4105	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4105	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4106	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4106	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4107	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4107	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4108	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4108	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4110	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4110	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4201	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4201	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
FB4202	071T 59A121 TA	CHIP BEAD 120R/3000mA HCB1608KF-121T30	FB4202	071G 59C601 TA	CHIP BEAD 600R/200mA FCM1608K-601T02
R4178	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	R4178	061G0603102	RST CHIP 1K 1/10W 5%
R4183	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	R4183	061G0603102	RST CHIP 1K 1/10W 5%
R7301	061G0603479	RST CHIPR 4.7 OHM +-5% 1/10W	R7301	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R7303	061G0603479	RST CHIPR 4.7 OHM +-5% 1/10W	R7303	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
TU2101	094TNPALALL P1	TUNER FQ1216PN/I H-5 PHILIPS	TU2101	094T PALBDI 1P	TUNER, FQ1256/ I H-5
U4103	056G113353A	IC M24C32-WMN6T SO-8 ST	U4103	705TPJK0 56003	SERIAL IIC EEPROM ASSY
U4202	056T1133924	IC S25FL008A SO-8	U4202	705TPJK0 56004	SPI FLASH ASSY
1054	ADPF24160R4P	POWER PCB ASSY	1054	ADPF24160R1P	POWER PCB ASSY
C931	065G080539131J	CAP CHIP 0805 390P 50V NPO +/-5%	C931	065G0805391 31	CHIP 390PF 50V
C931	065G080539131K	CAP CHIP 0805 390P 50V NPO +/-10%			
C977	065G080556131J	CAP CHIP 0805 560P 50V NPO +/-5%	C977	065G0805561 31	CHIP 560PF 50V NPO 0805
L903	073G 174906 LS	PFC CHOKE 430uH 0R19 LS-PH04D-001LF A	L903	073G 174906LS1	PFC CHOKE 430uH 0R19 LS-PH04D-001LF A
L903	073T 174906 HJ	PFC CHOKE 430uH 0R19 HJC-S6196			
1055	PTPF7PA8	SIDE AV PCB ASSY	1055	PTPF7PA2	SIDE AV PCB ASSY

Diversity of 26TA2800/79(LPL) compared with 26TA2800/93(LPL)

26TA2800/79(8670 000 27466)			26TA2800/93(8670 000 27457)		
Item	18 Code Number	DESCRIPTION	Item	18 Code Number	DESCRIPTION
30	705TP734016	FRONT BEZEL ASSY	30	705TZ734001	FRONT BEZEL ASSY
450	P44TE006813 3A	CARTON	450	P44TE006813 1B	CARTON
505	P44TE006813 3A	CARTON	505	P44TE006813 1B	CARTON
515	P44TE006813 3A	CARTON	515	P44TE006813 1B	CARTON
1172	089G412A18NIS1	MAINSCORD AUS/NZ 10A 1M8 BK	1172	089G414A18N IS	POWER CORD
1172	089G412A18NLS1	MAINSCORD AUS/NZ 7A5 1M8 BK	1172	089G414A18N IS	POWER CORD
1173	089G402A18NIS5	MAINSCORD UL 10A 1M8 DET BK			
1173	089G402A18NLS2	MAINSCORD			
A9001	705TZ785001	SHIELDING ASSY			
A9002	705TZ7E01022	DFU ASSY		705TZ7E01001	FU assy
1053	CBPF72MLP2	SCALER PCB ASSY	1053	CBPF72MDP1	SCALER PCB ASSY
1256	705TP756046	EEPROM ASSY-U4103	1256	705TPEK056001	EEPROM ASSY
1257	705TP756047	FLASH ASSY-U4202	1257	705TPEK056002	SPI FLASH ASSY
C7137	065G060333417Z	CAP CHIP 0603 330N 16V Y5V -20%+80%	C7137	065G0603224 17Z	CAP CHIP 0603 220N 16V Y5V -20%
R4175	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W			
R4178	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	R4178	061G0603102	RST CHIP 1K 1/10W 5%
R4182	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W			
R4183	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	R4183	061G0603102	RST CHIP 1K 1/10W 5%
R6326	061G0603393	RST CHIPR 39 KOHM +-5% 1/10W			
R6330	061G0603393	RST CHIPR 39 KOHM +-5% 1/10W			
R7102	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	R7102	061G0603223	RST CHIPR 22 KOHM -5% 1/10W
R7105	061G0603394	RST CHIPR 390 KOHM +-5% 1/10W	R7105	061G0603473	RST CHIPR 47 KOHM -5% 1/10W
R7123	061G0603224	RST CHIPR 220 KOHM +-5% 1/10W			
R7301	061G0603479	RST CHIPR 4.7 OHM +-5% 1/10W	R7301	061G0603101	RST CHIPR 100 OHM -5% 1/10W
R7303	061G0603479	RST CHIPR 4.7 OHM +-5% 1/10W	R7303	061G0603101	RST CHIPR 100 OHM -5% 1/10W
TU2101	094TNPALALL P1	TUNER FQ1216PN/I H-5 PHILIPS	TU2101	094TPALBDI1P	TUNER, FQ1256/ I H-5

Service Manual

Service Manual 12NC	Content
3122 785 17050	26TA2800/93 ,32TA2800/93 release
3122 785 17051	22TA2800/79 /93 /98, 32TA2800/79 /93 /98. Spare parts list completed with all sets phased in