

# LCT2060

## LCD TV SERVICE MANUAL

### IMPORTANT INFORMATION

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,  
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE

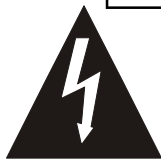


#### CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



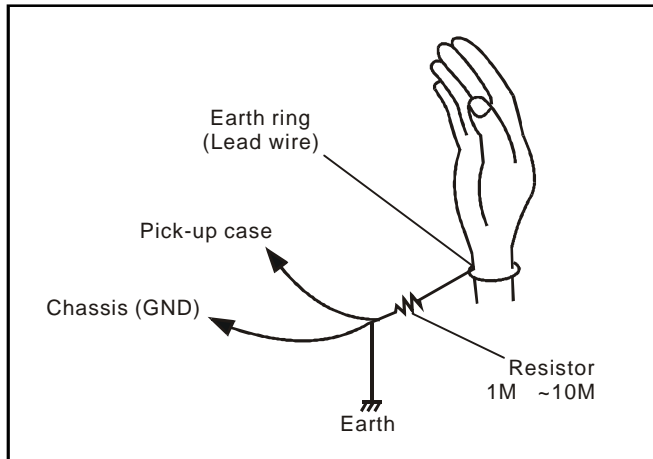
The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance(servicing)instruction accompanying the product.

# CONTENT

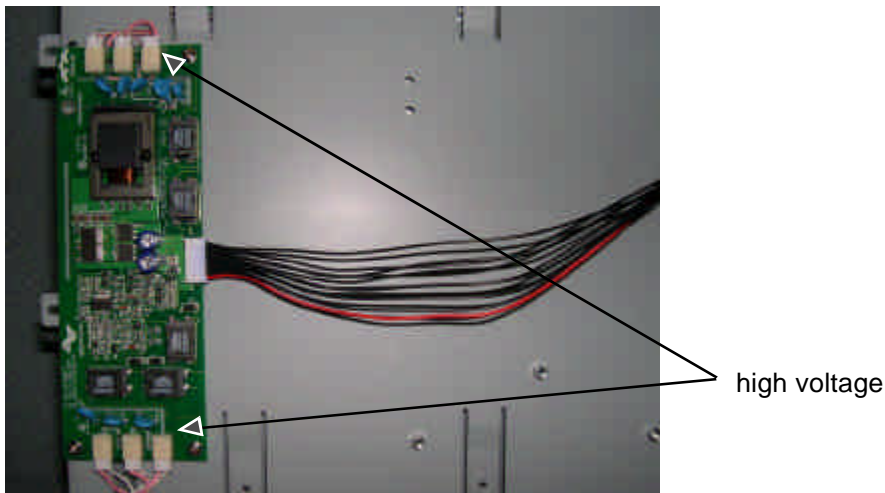
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## SAFETY PRECAUTION

- In order to prevent you from any possible injury caused by high voltage, please do not touch the inverter directly while repairing the unit.
- While adjusting the unit, be sure to ground connected instruments and your body to prevent static electricity destroying the ICs.



- **Safety Caution**  
In order to prevent you from any possible injury caused by high voltage, please do not touch the inverter directly while repairing the unit.

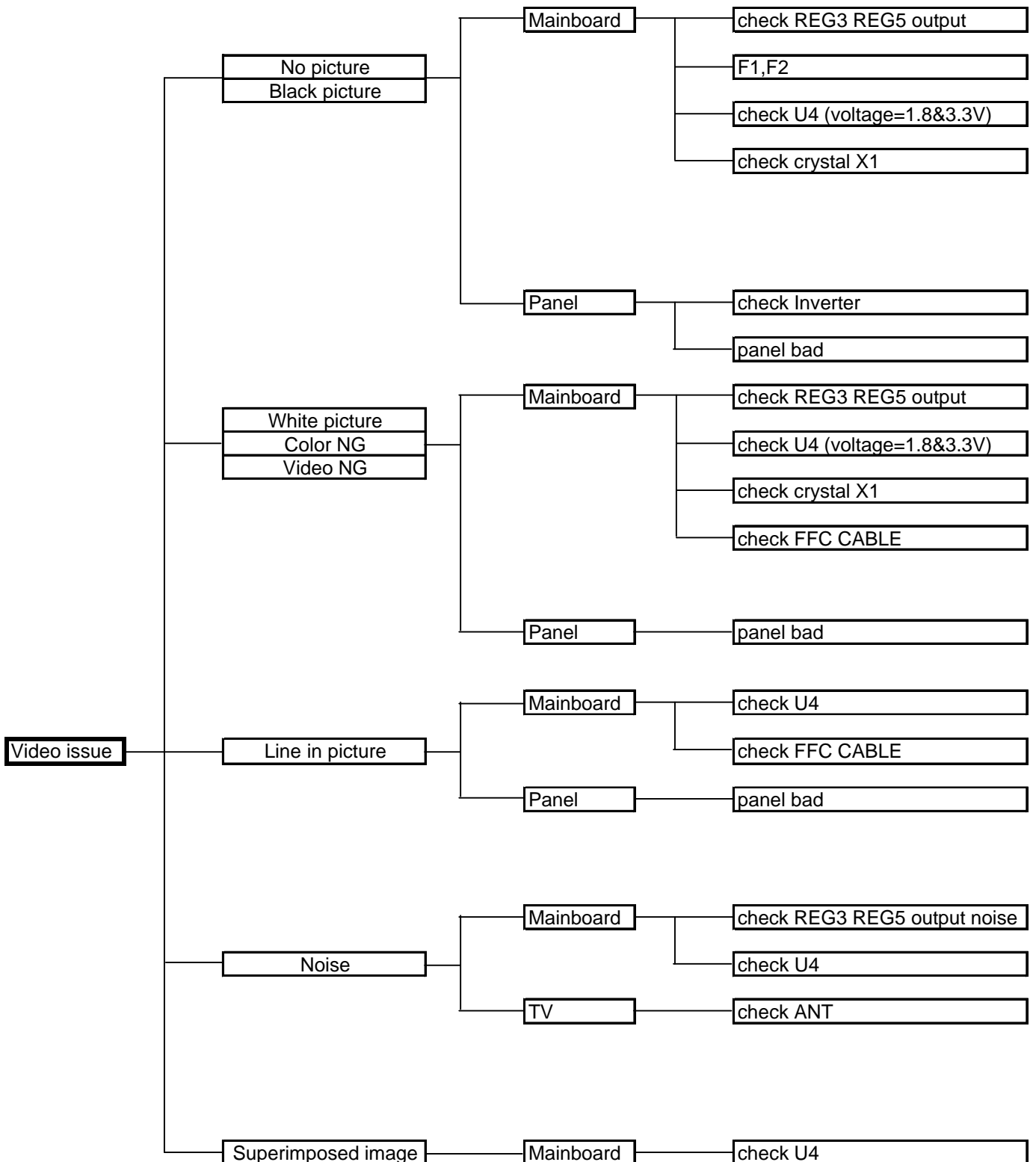


While adjusting the unit, be sure to ground connected instruments and your body to prevent Static electricity destroying the IC.

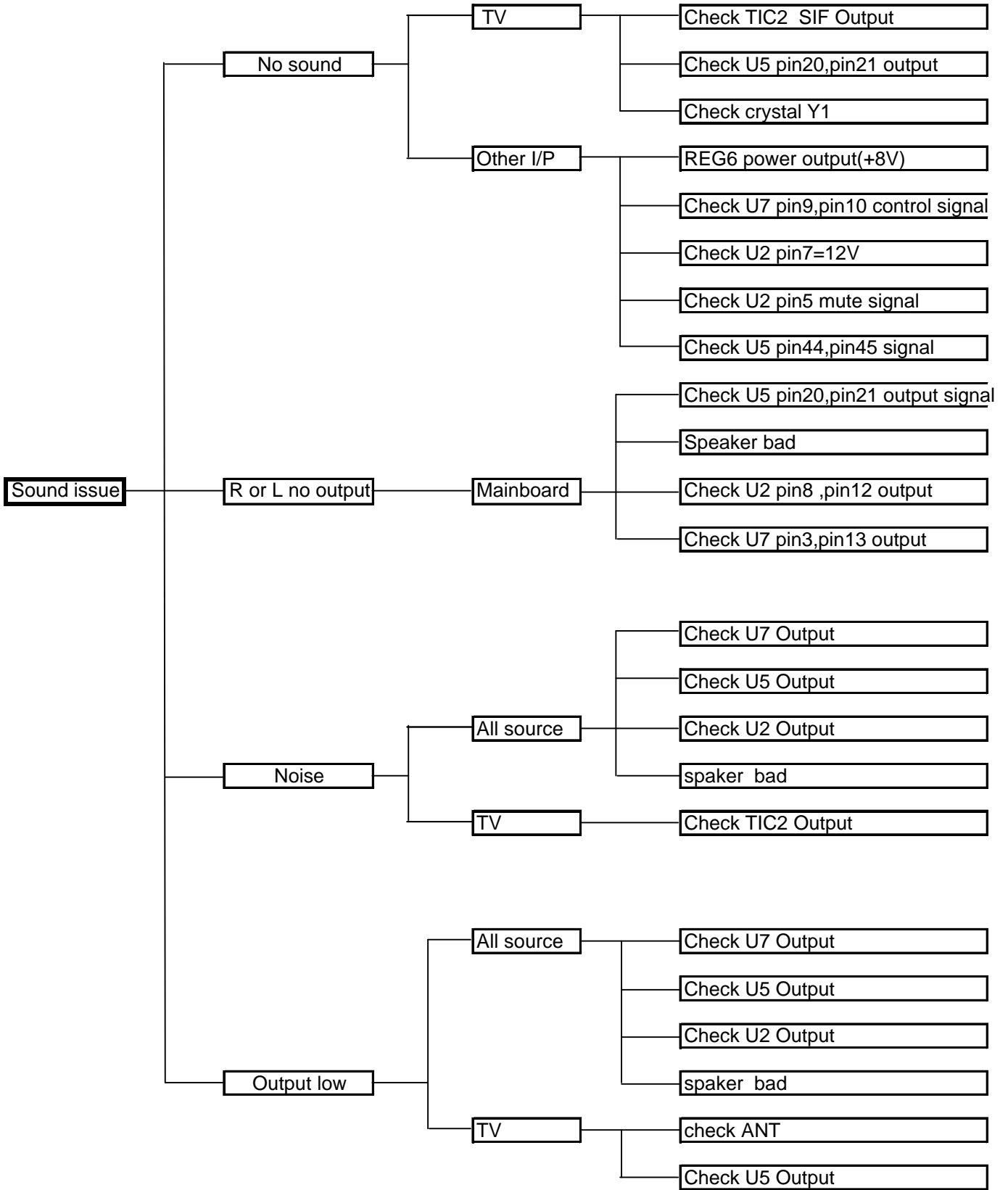
# **TECHNICAL SPECIFICATIONS**

Screen Size .....	20 TFT-LCD Panel
Aspect Ration .....	4:3
Contrast Ratio .....	600:1
Brightness .....	500 cd/m <sup>2</sup>
High color saturation .....	NTSC 7.5 %
Pixel Pitch(HXV) .....	0.2125mm 0.6375mm
Display colors .....	0.26M
Response Time(Tr/Tf) .....	8ms
Viewing Angles Horizontal .....	80 Degree
Viewing Angles Vertical .....	70 Degree
TV Tuning Compatible .....	NTSC 181 Channels
Special Features:	
.....	MTS
.....	Sleep Timer
.....	2D comb filter (option)
.....	Deinterlace
.....	V-chip
.....	Closed Caption
.....	Full function remote control
Supported Signal Resolution Mode:	
PC mode .....	800x600
Component .....	480i, 480p, 720p, 1080i
CVBS .....	525
S-Video .....	525
Power Input .....	12V
Front Panel Control Button .....	Power, Source, CH+/-, VOL+/-
Accessories:	
.....	32 Keys Remote Control
.....	AA Size Battery x 2
.....	Intruction Manual
.....	AC Cord
.....	AC Adapter
Safety & EMI .....	UL/cUL,FCC,BETS-7
Power Consumption .....	48W (MAX)
Power Supply .....	AC:100V ~240V 50/60Hz
Operation Temperature .....	0°C ~45°C
Storage Temperature .....	From -10C To 60 C

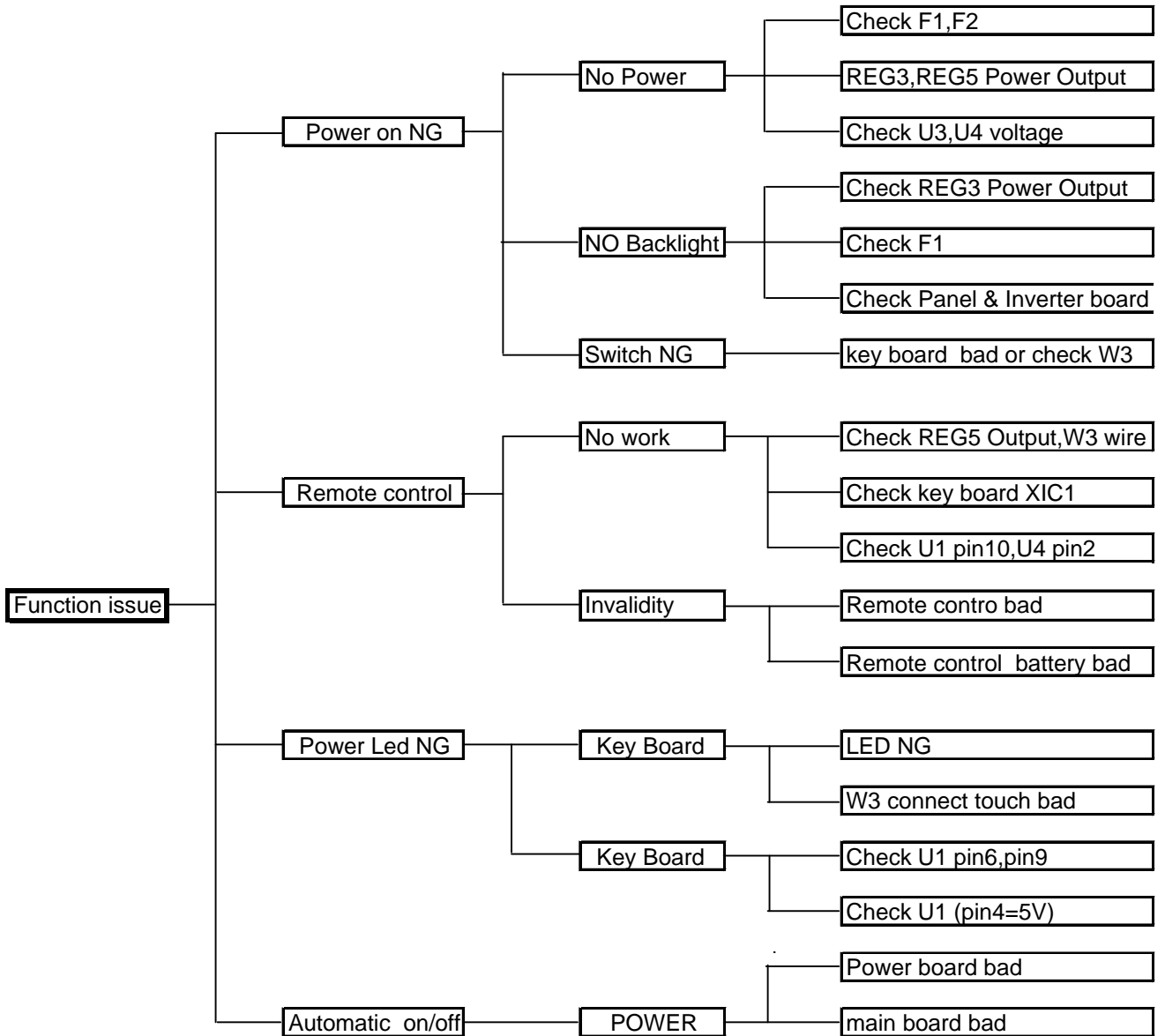
# TROUBLE SHOOTING FLOW CHART (1)



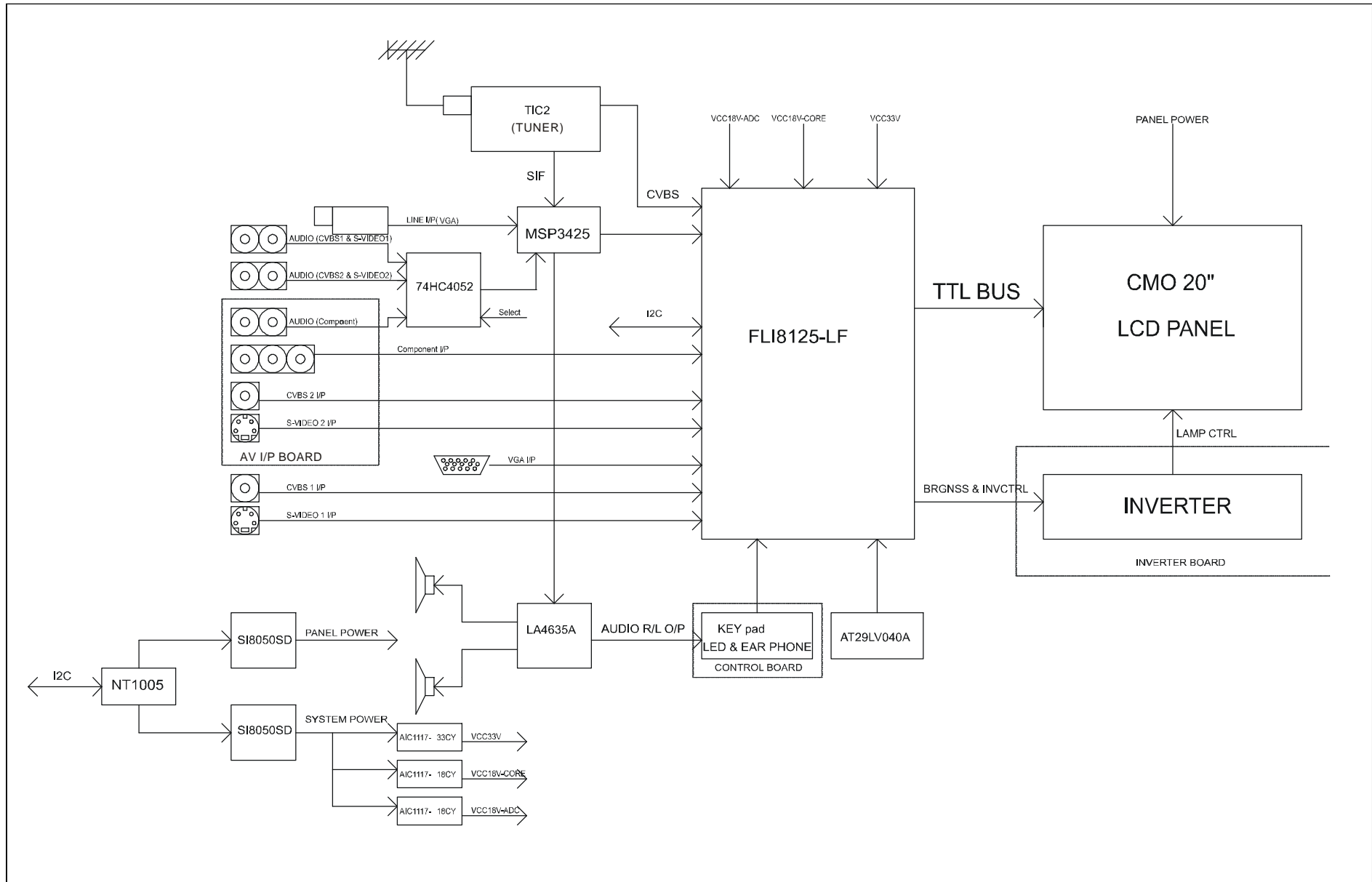
# TROUBLE SHOOTING FLOW CHART (2)



# TROUBLE SHOOTING FLOW CHART (3)

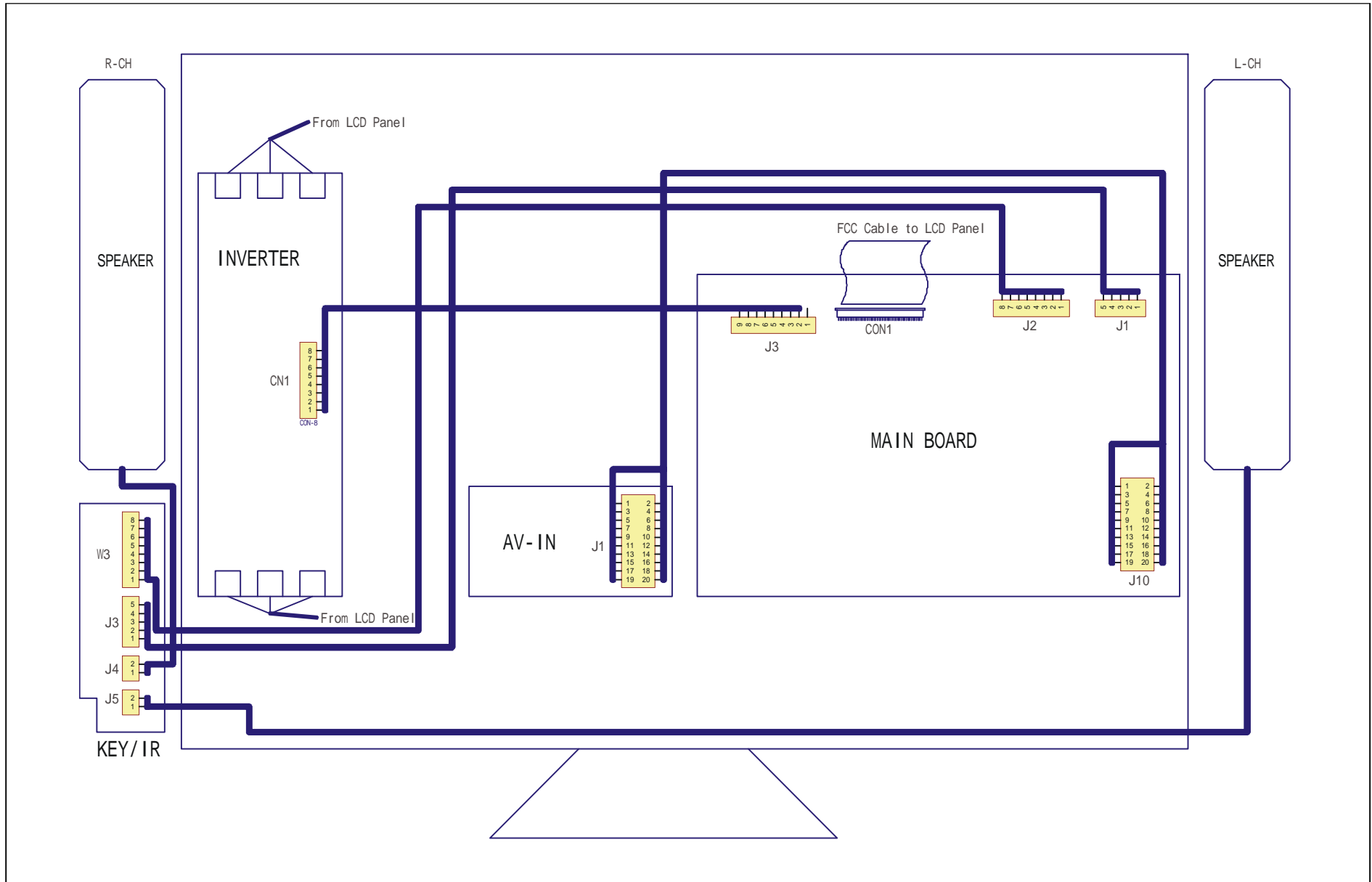


# BLOCK DIAGRAM

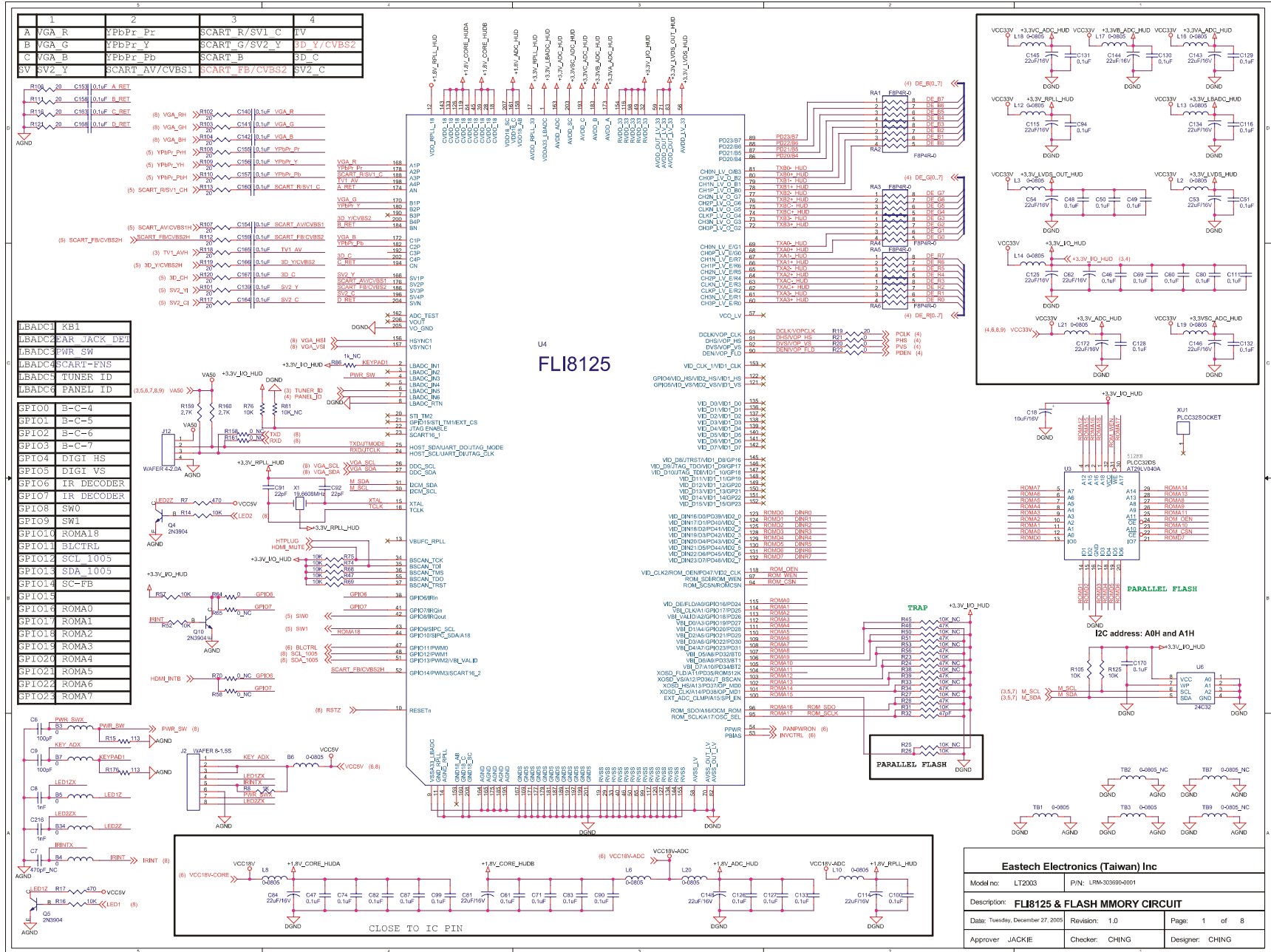




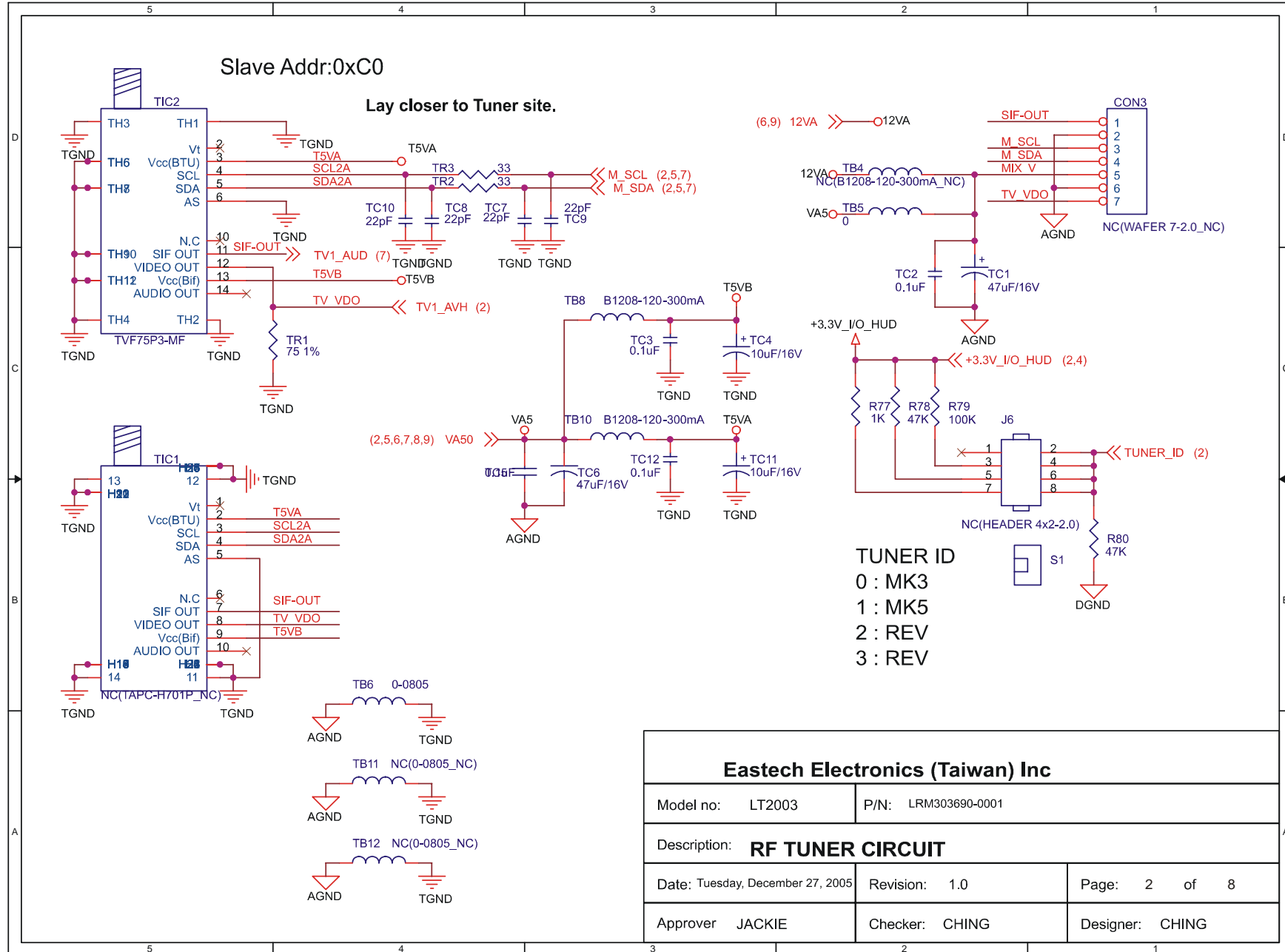
# WIRING DIAGRAM



# MAIN BOARD CIRCUIT (1)



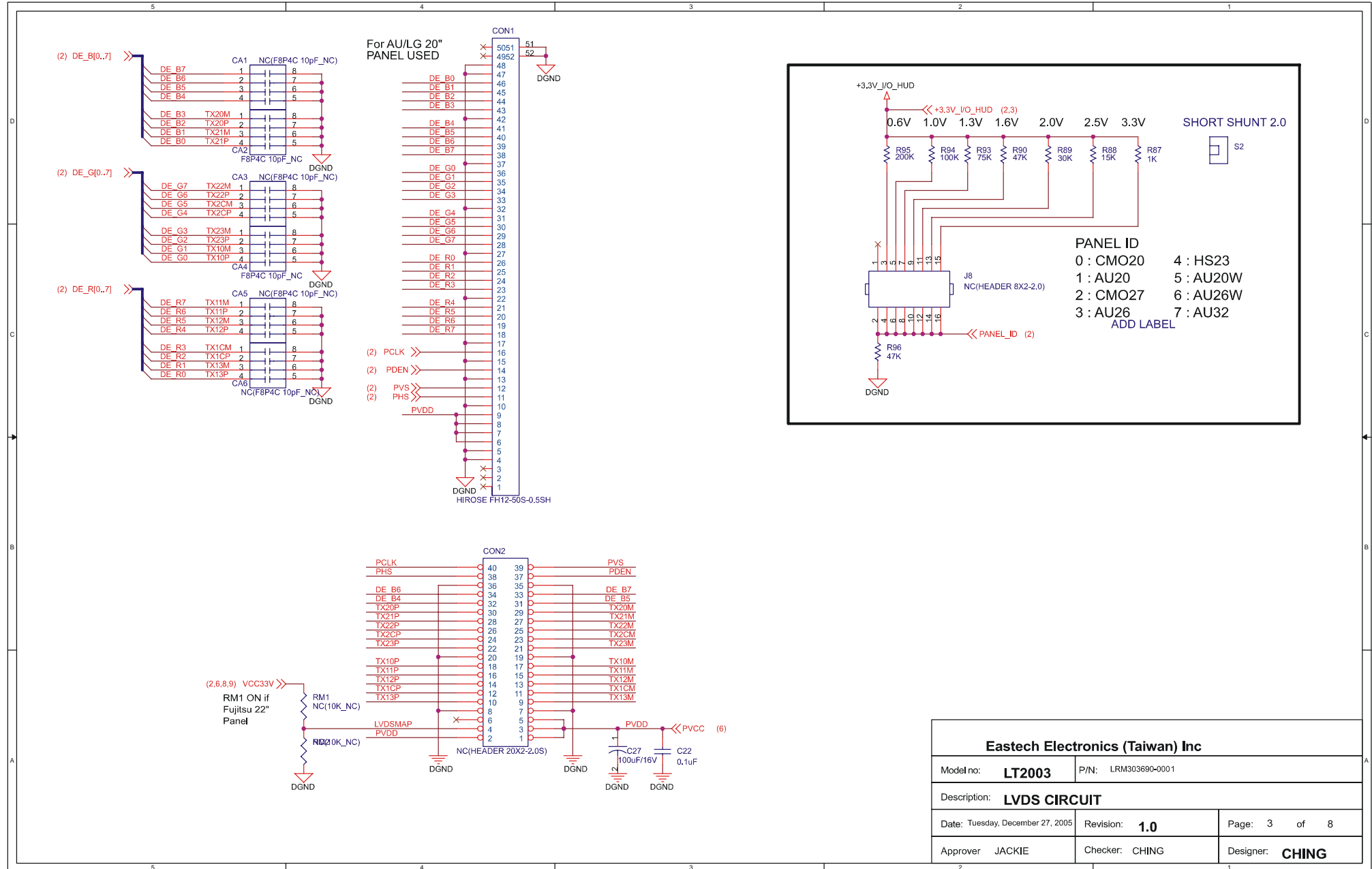
# MAIN BOARD CIRCUIT (2)



## Eastech Electronics (Taiwan) Inc

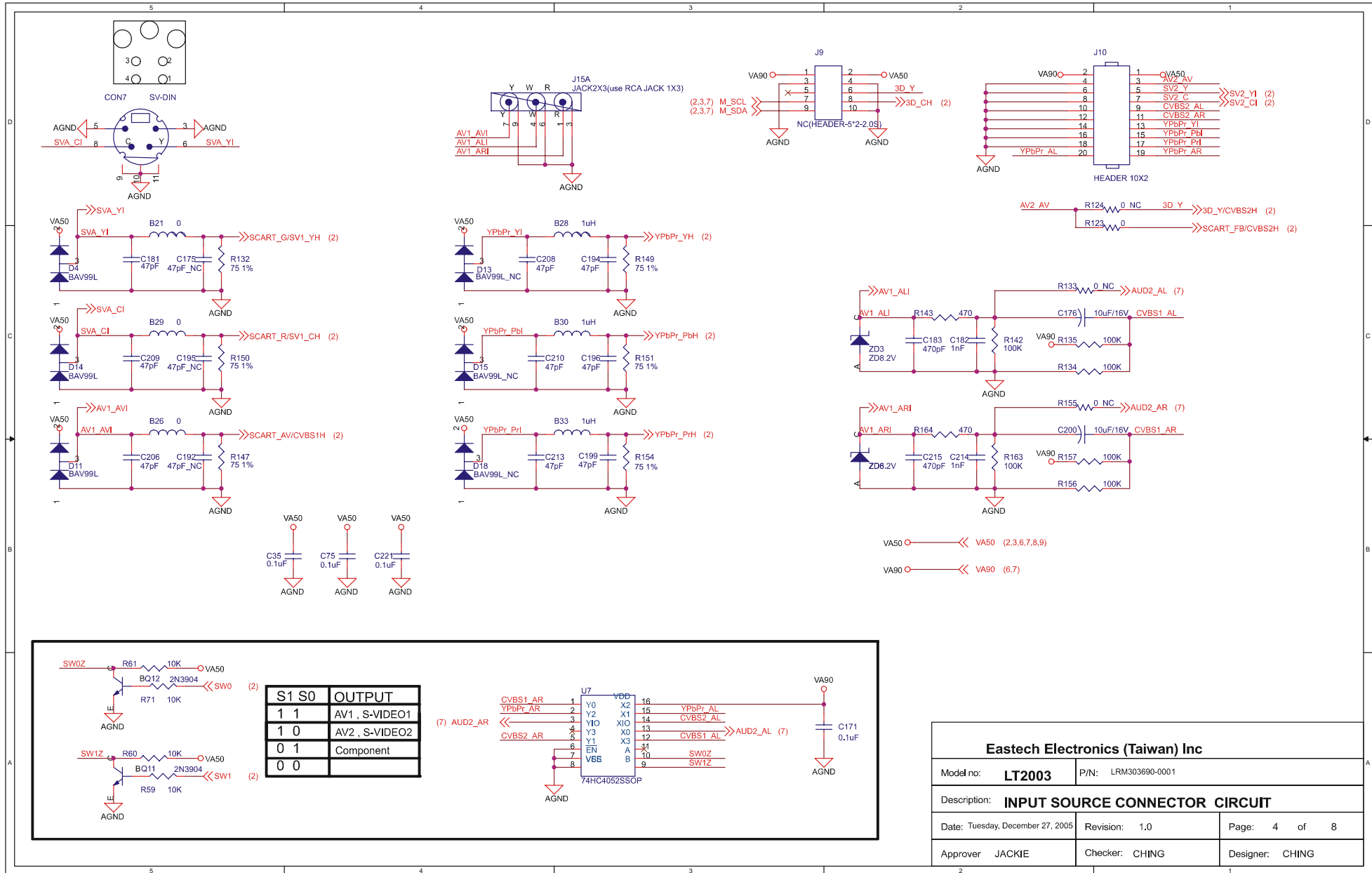
Model no: LT2003	P/N: LRM303690-0001	
Description: <b>RF TUNER CIRCUIT</b>		
Date: Tuesday, December 27, 2005	Revision: 1.0	Page: 2 of 8
Approver: JACKIE	Checker: CHING	Designer: CHING

# MAIN BOARD CIRCUIT (3)



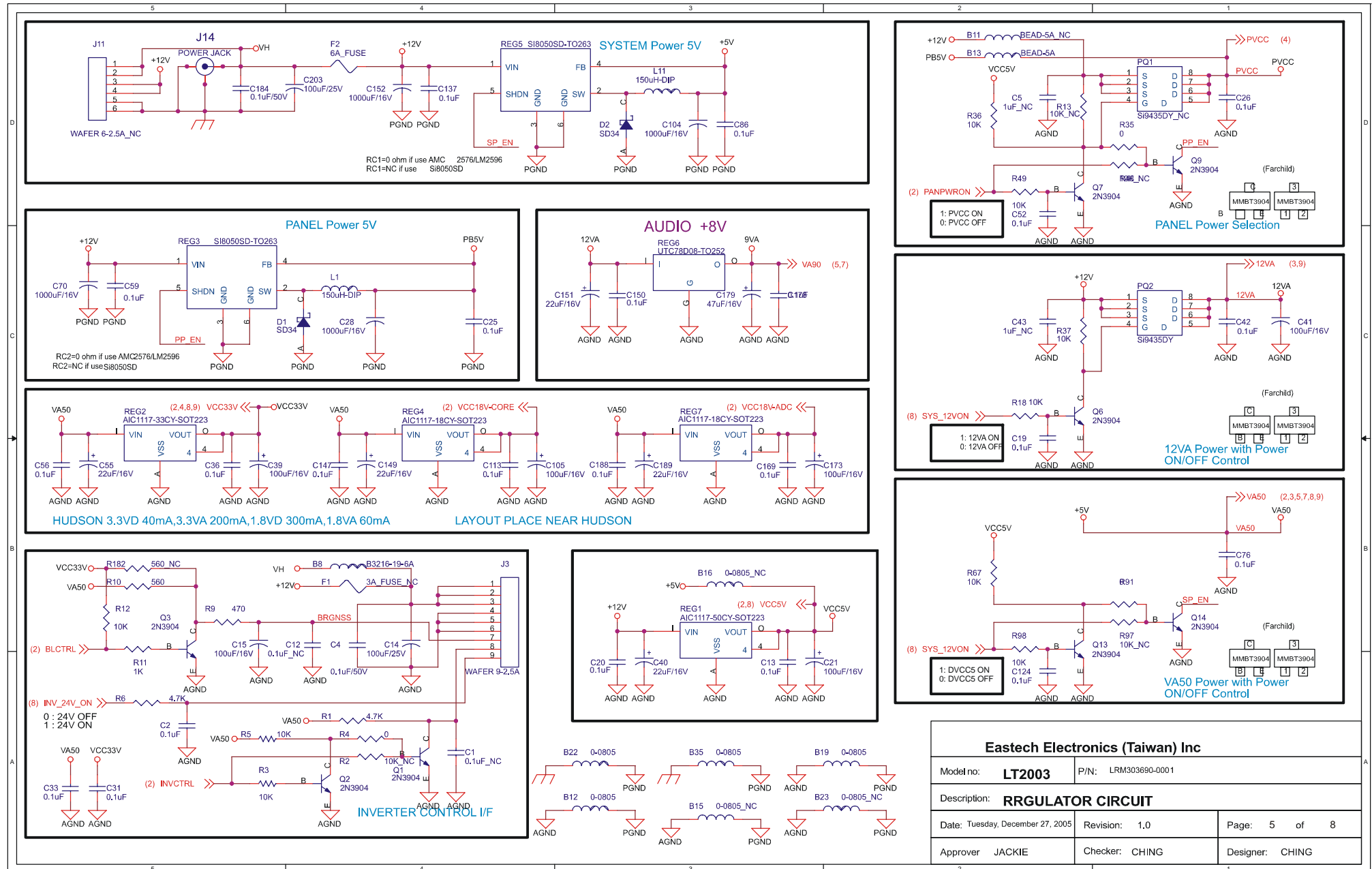
Eastech Electronics (Taiwan) Inc		
Model no: <b>LT2003</b>	P/N: LRM303690-0001	
Description: <b>LVDS CIRCUIT</b>		
Date: Tuesday, December 27, 2005	Revision: <b>1.0</b>	Page: 3 of 8
Approver: JACKIE	Checker: CHING	Designer: <b>CHING</b>

# MAIN BOARD CIRCUIT (4)



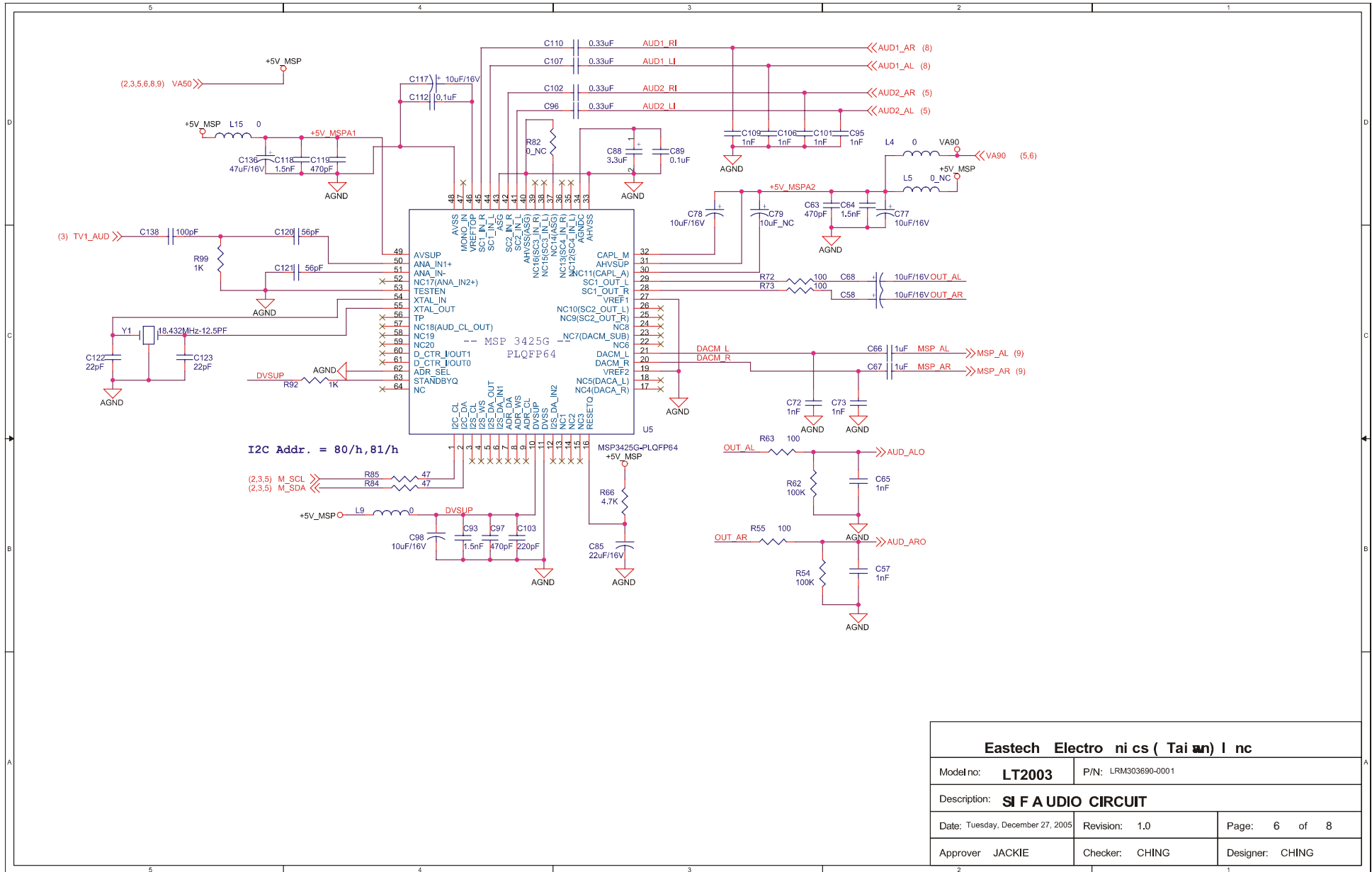
Eastech Electronics (Taiwan) Inc		
Model no:	<b>LT2003</b>	P/N: LRM303690-0001
Description:	<b>INPUT SOURCE CONNECTOR CIRCUIT</b>	
Date: Tuesday, December 27, 2005	Revision: 1.0	Page: 4 of 8
Approver JACKIE	Checker: CHING	Designer: CHING

# MAIN BOARD CIRCUIT (5)



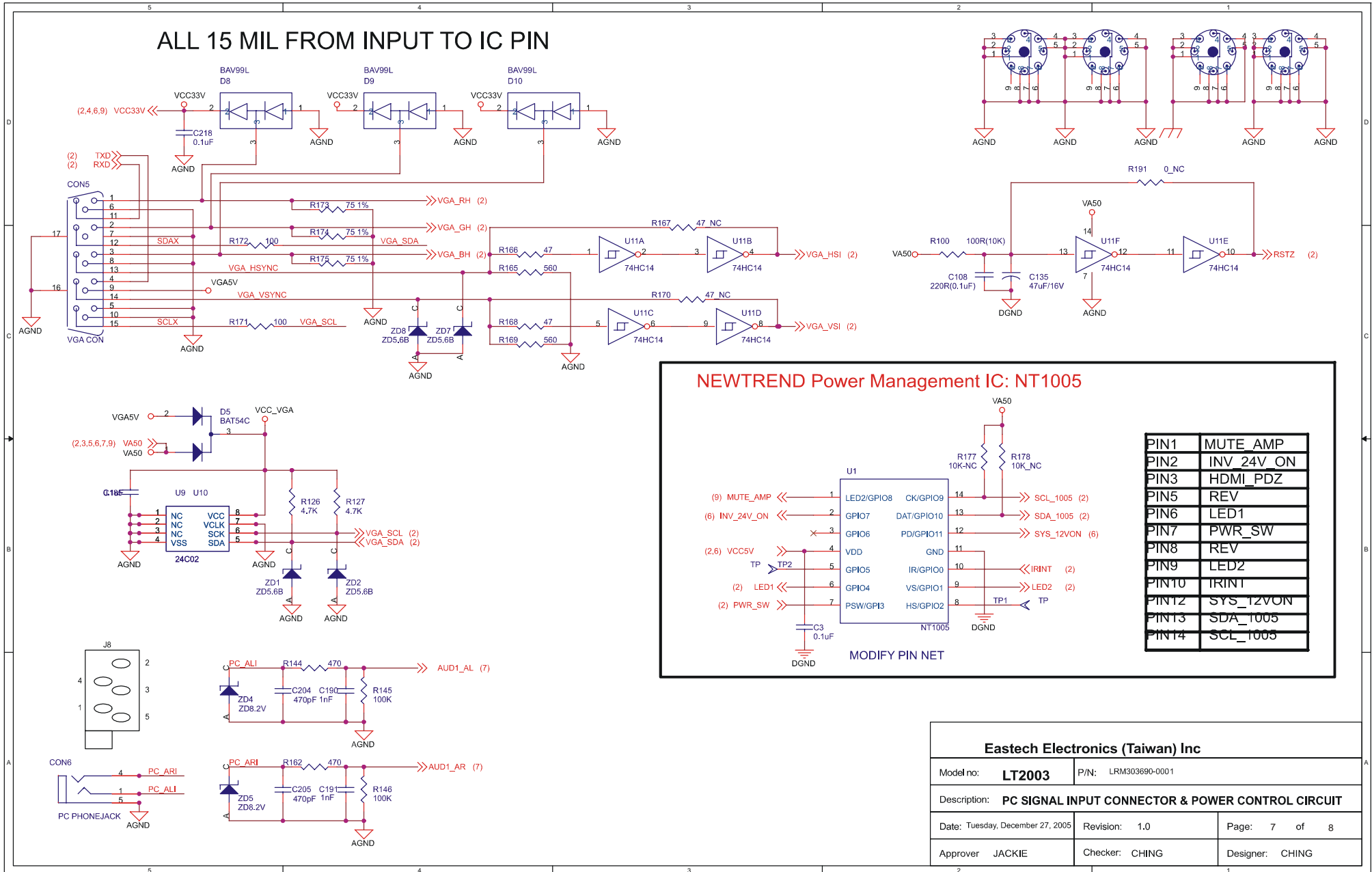
<b>Eastech Electronics (Taiwan) Inc</b>		
Model no: <b>LT2003</b>	P/N: LRM303690-0001	
Description: <b>REGULATOR CIRCUIT</b>		
Date: Tuesday, December 27, 2005	Revision: 1.0	Page: 5 of 8
Approver: JACKIE	Checker: CHING	Designer: CHING

# MAIN BOARD CIRCUIT (6)



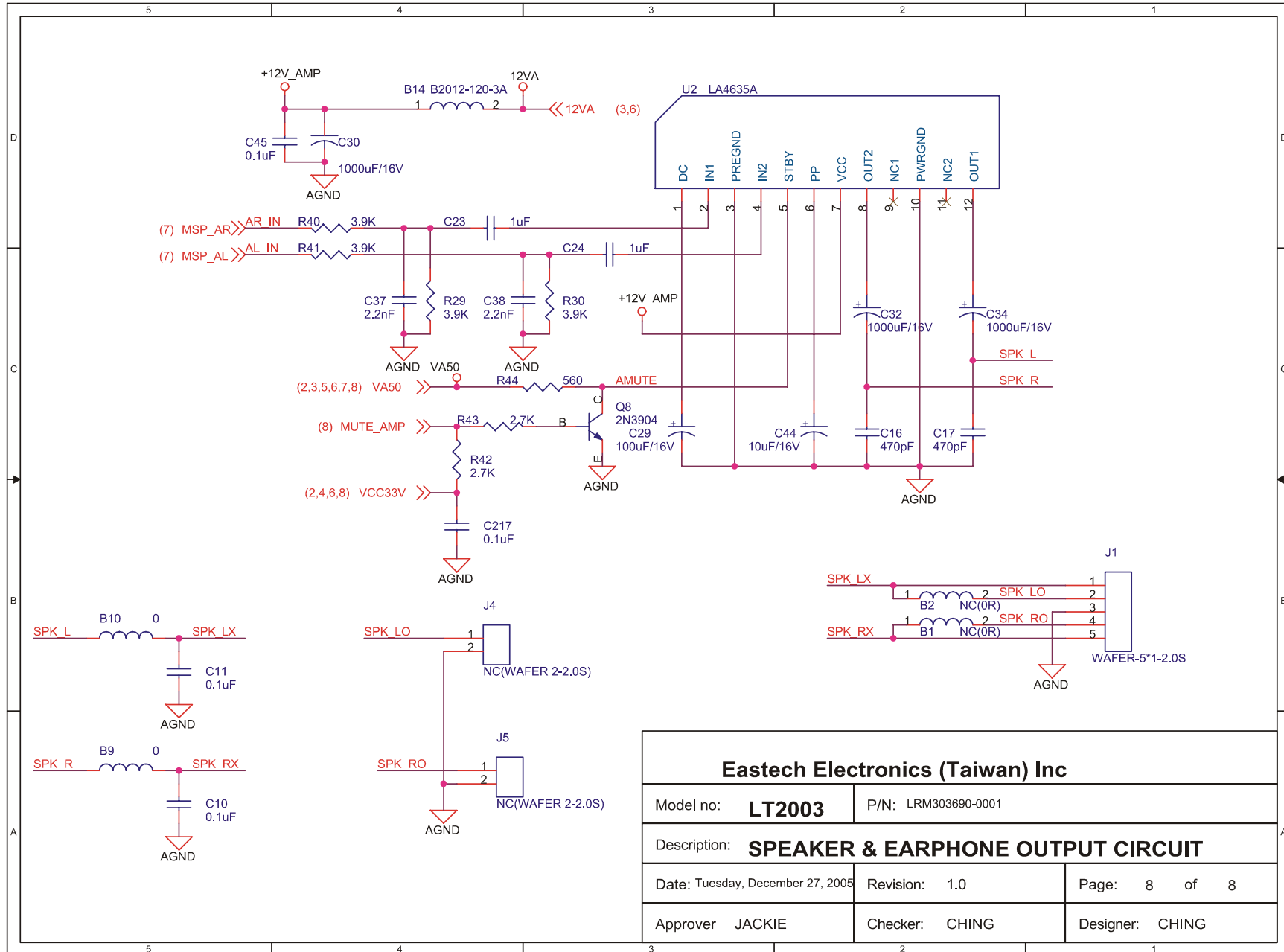
Eastech Electronics (Taiwan) Inc		
Model no:	LT2003	P/N: LRM303690-001
Description:	SI F AUDIO CIRCUIT	
Date: Tuesday, December 27, 2005	Revision: 1.0	Page: 6 of 8
Approver: JACKIE	Checker: CHING	Designer: CHING

# MAIN BOARD CIRCUIT (7)





# MAIN BOARD CIRCUIT (8)



## Eastech Electronics (Taiwan) Inc

Model no: **LT2003** P/N: LRM303690-0001

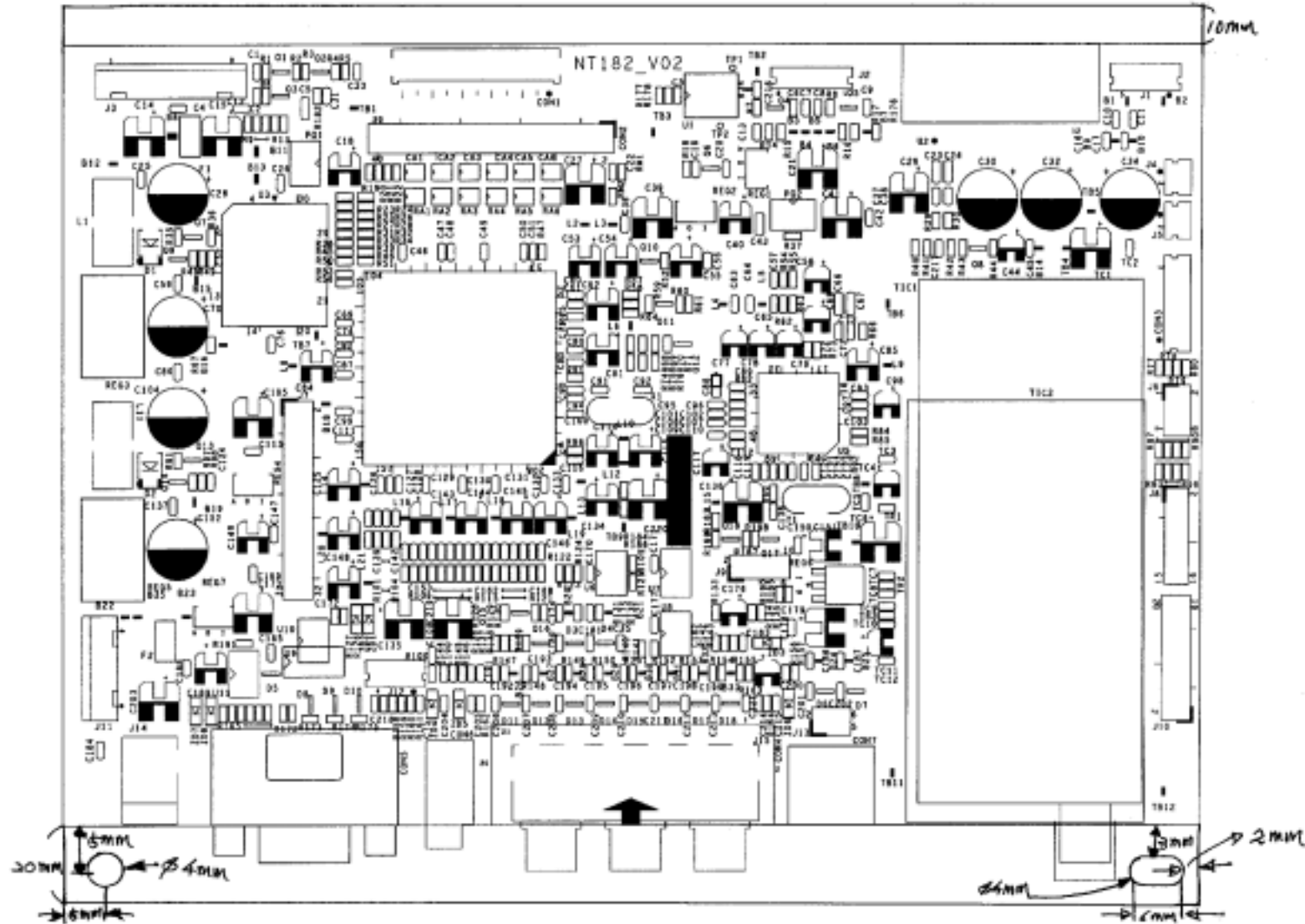
Description: **SPEAKER & EARPHONE OUTPUT CIRCUIT**

Date: Tuesday, December 27, 2005 Revision: 1.0 Page: 8 of 8

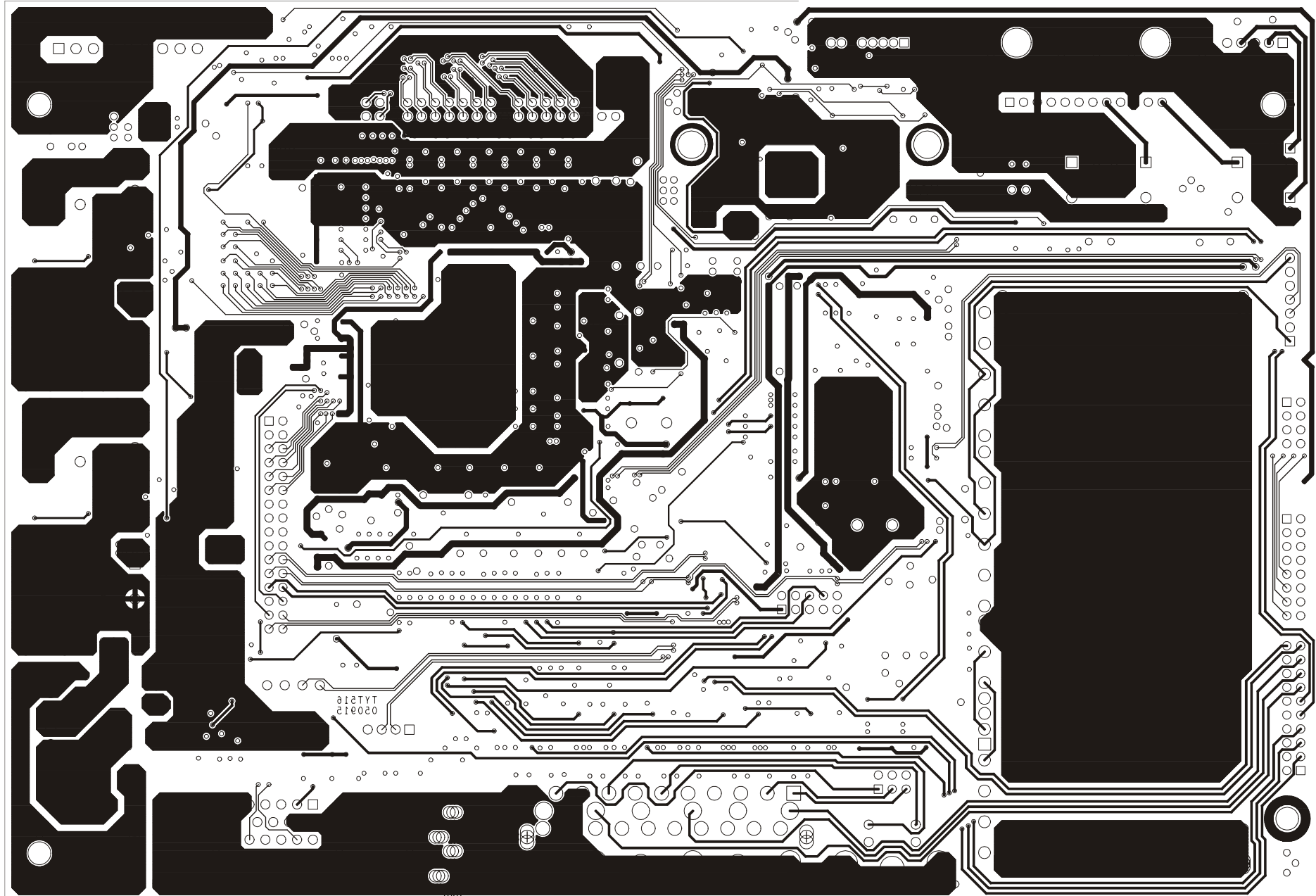
Approver JACKIE Checker: CHING Designer: CHING

MONO BOARD PCB-TOP

NEWTREND	NEWTREND ELECTRONICS INC.		
PO Number	T516	VER	.02
LAYOUT	Y. J. L.	DATE	09/15/2005
LAYER	SILK SCREEN FOR COMP.		



MONO BOARD PCB-BOTTOM



# MAIN BOARD PARTS LIST

## RESISTOR

B10	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B20	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B21	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B24	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B25	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B26	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B27	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B29	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B3	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B31	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B32	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B34	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B4	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B5	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B7	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B9	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
B12	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
B19	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
B22	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
B35	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
B6	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L12	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L13	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L14	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L15	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
L16	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L17	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L18	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L19	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L2	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L20	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L21	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L3	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L4	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
L6	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L8	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
L9	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R1	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R10	QCF015030-5610	GP560 OHM 1/10W 5% 0603
R100	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R101	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R102	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R103	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R104	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R105	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R106	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R107	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R108	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R109	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R11	QCF015030-1020	GP1K OHM 1/10W 5% 0603
R110	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R111	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R112	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R113	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R114	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R115	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R116	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R117	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R118	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R119	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R12	QCF015030-1030	GP10K OHM 1/10W 5% 0603

## RESISTOR

R120	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R121	QCF015030-2000	GP20 OHM 1/10W 5% 0603
R122	QCF015030-1020	GP1K OHM 1/10W 5% 0603
R123	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R125	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R126	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R127	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R128	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R129	QCF015030-3910	GP390 OHM 1/10W 5% 0603
R130	QCF015030-3910	GP390 OHM 1/10W 5% 0603
R132	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R134	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R135	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R136	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R137	QCF015030-5620	GP5.6K OHM 1/10W 5% 0603
R138	QCF015030-2710	GP270 OHM 1/10W 5% 0603
R139	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R14	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R140	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R141	QCF015030-3030	GP30K OHM 1/10W 5% 0603
R142	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R143	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R144	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R145	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R146	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R147	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R148	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R149	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R15	QCF011030-1130	GP113 OHM 1/10W 1% 0603
R150	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R151	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R152	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R153	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R154	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R156	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R157	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R159	QCF015030-2720	GP2.7K OHM 1/10W 5% 0603
R16	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R160	QCF015030-2720	GP2.7K OHM 1/10W 5% 0603
R162	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R163	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R164	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R165	QCF015030-5610	GP560 OHM 1/10W 5% 0603
R166	QCF015030-4700	GP47 OHM 1/10W 5% 0603
R168	QCF015030-4700	GP47 OHM 1/10W 5% 0603
R169	QCF015030-5610	GP560 OHM 1/10W 5% 0603
R17	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R171	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R172	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R173	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R174	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R175	QCF011030-7509	GP75 OHM 1/10W 1% 0603
R176	QCF011030-1130	GP113 OHM 1/10W 1% 0603
R18	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R184	QCF015030-5620	GP5.6K OHM 1/10W 5% 0603
R185	QCF015030-3910	GP390 OHM 1/10W 5% 0603
R186	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R187	QCF015030-3910	GP390 OHM 1/10W 5% 0603
R188	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R189	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R19	QCF015030-2000	GP20 OHM 1/10W 5% 0603

# MAIN BOARD PARTS LIST

## RESISTOR

R190	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R20	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R21	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R22	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R23	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R26	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R28	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R29	QCF015030-3920	GP3.9K OHM 1/10W 5% 0603
R3	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R30	QCF015030-3920	GP3.9K OHM 1/10W 5% 0603
R31	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R32	PXL410370-4700	GP 47 pF 50V 5%
R34	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R35	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R36	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R37	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R39	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R4	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R40	QCF015030-3920	GP3.9K OHM 1/10W 5% 0603
R41	QCF015030-3920	GP3.9K OHM 1/10W 5% 0603
R42	QCF015030-2720	GP2.7K OHM 1/10W 5% 0603
R43	QCF015030-2720	GP2.7K OHM 1/10W 5% 0603
R44	QCF015030-5610	GP560 OHM 1/10W 5% 0603
R46	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R47	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R49	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R5	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R51	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R52	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R54	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R55	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R56	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R57	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R59	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R6	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R60	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R61	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R62	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R63	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R64	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R66	QCF015030-4720	GP4.7K OHM 1/10W 5% 0603
R67	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R68	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R69	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R7	QCF015030-4710	GP470 OHM 1/10W 5% 0603
R71	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R72	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R73	QCF015030-1010	GP100 OHM 1/10W 5% 0603
R74	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R75	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R76	QCF015030-1030	GP10K OHM 1/10W 5% 0603
R77	QCF015030-1020	GP1K OHM 1/10W 5% 0603
R78	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R79	QCF015030-1040	GP100K OHM 1/10W 5% 0603
R8	QCF015030-1020	GP1K OHM 1/10W 5% 0603
R80	QCF015030-4730	GP47K OHM 1/10W 5% 0603
R84	QCF015030-4700	GP47 OHM 1/10W 5% 0603
R85	QCF015030-4700	GP47 OHM 1/10W 5% 0603
R87	QCF015030-1020	GP 1K OHM 1/10W 5% 0603
R88	QCF015030-1530	GP 15K OHM 1/10W 5% 0603
R89	QCF015030-3030	GP 30K OHM 1/10W 5% 0603

## RESISTOR

R9	QCF015030-4710	GP 470 OHM 1/10W 5% 0603
R90	QCF015030-4730	GP 47K OHM 1/10W 5% 0603
R91	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
R92	QCF015030-1020	GP 1K OHM 1/10W 5% 0603
R93	QCF015030-7530	GP 75K OHM 1/10W 5% 0603
R94	QCF015030-1040	GP 100K OHM 1/10W 5% 0603
R95	QCF015030-2040	GP 200K OHM 1/10W 5% 0603
R96	QCF015030-4730	GP 47K OHM 1/10W 5% 0603
R98	QCF015030-1030	GP 10K OHM 1/10W 5% 0603
R99	QCF015030-1020	GP 1K OHM 1/10W 5% 0603
RA1	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
RA2	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
RA3	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
RA4	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
RA5	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
RA6	QCA165340-0000	GP 0 OHM 1/16W 5% 0603 8P4R
TB1	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
TB3	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
TB5	QCF015030-0000	GP 0 OHM 1/10W 5% 0603
TB6	QCF085020-0000	GP 0 OHM 1/8W 5% 0805
TR1	QCF011030-7509	GP75 OHM 1/10W 1% 0603
TR2	QCF015030-3300	GP33 OHM 1/10W 5% 0603
TR3	QCF015030-3300	GP33 OHM 1/10W 5% 0603
L10	QCF085020-0000	GP 0 OHM 1/8W 5% 0805

## CAPACITOR

C10	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C100	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C101	PXL456470-1020	GP 0.001 uF 50V 10%
C102	PXL439640-3340	GP 0.33 uF 16V +80%-20%
C103	PXL456470-2210	GP 220pF 50V 10%
C104	PVE039540-1020	GP1000 uF 16V 20% 85 C
C105	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C106	PXL456470-1020	GP 0.001 uF 50V 10%
C107	PXL439640-3340	GP 0.33 uF 16V +80%-20%
C108	QCF015030-2210	GP220 OHM 1/10W 5% 0603
C109	PXL456470-1020	GP 0.001 uF 50V 10%
C11	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C110	PXL439640-3340	GP 0.33 uF 16V +80%-20%
C111	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C112	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C113	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C114	PBE039540-2200	COND ELECT;22 uF 16V 20%
C114	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C115	PBE039540-2200	COND ELECT;22 uF 16V 20%
C115	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C116	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C117	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C118	PXL456470-1520	GP 0.0015 uF 50V 10%
C119	PXL456470-4710	GP 470 pF 50V 10%
C120	PXL410370-5600	GP 56 pF 50V 5%
C121	PXL410370-5600	GP 56 pF 50V 5%
C122	PXL410370-2200	GP 22 pF 50V 5%
C123	PXL410370-2200	GP 22 pF 50V 5%
C124	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C125	PBE039540-2200	COND ELECT;22 uF 16V 20%
C125	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C126	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C127	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C128	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C129	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V

# MAIN BOARD PARTS LIST

## CAPACITOR

C13	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C130	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C131	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C132	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C133	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C134	PBE039540-2200	COND ELECT;22 uF 16V 20%
C134	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C135	PBE039540-4700	GP CHIP ELECT 47 uF 16V 20%
C136	PBE039540-4700	GP CHIP ELECT 47 uF 16V 20%
C137	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C138	PXL456470-1010	GP 100pF 50V 10%
C139	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C14	PBE039552-1010	GP VER. CHIP 100 uF 25V 20%
C140	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C141	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C142	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C143	PBE039540-2200	COND ELECT;22 uF 16V 20%
C143	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C144	PBE039540-2200	COND ELECT;22 uF 16V 20%
C144	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C145	PBE039540-2200	COND ELECT;22 uF 16V 20%
C145	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C146	PBE039540-2200	COND ELECT;22 uF 16V 20%
C146	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C147	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C148	PBE039540-2200	COND ELECT;22 uF 16V 20%
C148	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C149	PBE039540-2200	COND ELECT;22 uF 16V 20%
C149	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C15	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C150	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C151	PBE039540-2200	COND ELECT;22 uF 16V 20%
C151	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C152	PVE039540-1020	GP1000 uF 16V 20% 85 C
C153	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C154	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C155	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C156	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C157	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C158	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C159	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C16	PXL456470-4710	GP 470 pF 50V 10%
C160	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C161	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C162	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C163	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C164	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C165	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C166	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C167	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C168	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C169	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C17	PXL456470-4710	GP 470 pF 50V 10%
C170	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C171	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C172	PBE039540-2200	COND ELECT;22 uF 16V 20%
C172	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C173	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C176	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C177	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C178	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V

## CAPACITOR

C179	PBE039540-4700	GP CHIP ELECT 47 uF 16V 20%
C18	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C180	PXL410370-4700	GP 47 pF 50V 5%
C181	PXL410370-4700	GP 47 pF 50V 5%
C182	PXL456470-1020	GP 0.001 uF 50V 10%
C183	PXL456470-4710	GP 470 pF 50V 10%
C184	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C185	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C188	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C189	PBE039540-2200	COND ELECT;22 uF 16V 20%
C189	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C19	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C190	PXL456470-1020	GP 0.001 uF 50V 10%
C191	PXL456470-1020	GP 0.001 uF 50V 10%
C194	PXL410370-4700	GP 47 pF 50V 5%
C196	PXL410370-4700	GP 47 pF 50V 5%
C199	PXL410370-4700	GP 47 pF 50V 5%
C2	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C20	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C200	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C201	PXL456470-1020	GP 0.001 uF 50V 10%
C202	PXL456470-1020	GP 0.001 uF 50V 10%
C203	PBE039552-1010	GP VER. CHIP 100 uF 25V 20%
C204	PXL456470-4710	GP 470 pF 50V 10%
C205	PXL456470-4710	GP 470 pF 50V 10%
C206	PXL410370-4700	GP 47 pF 50V 5%
C207	PXL410370-4700	GP 47 pF 50V 5%
C208	PXL410370-4700	GP 47 pF 50V 5%
C209	PXL410370-4700	GP 47 pF 50V 5%
C21	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C210	PXL410370-4700	GP 47 pF 50V 5%
C211	PXL410370-4700	GP 47 pF 50V 5%
C212	PXL410370-4700	GP 47 pF 50V 5%
C213	PXL410370-4700	GP 47 pF 50V 5%
C214	PXL456470-1020	GP 0.001 uF 50V 10%
C215	PXL456470-4710	GP 470 pF 50V 10%
C216	PXL456470-1020	GP 0.001 uF 50V 10%
C217	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C218	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C219	PBE039540-4700	GP CHIP ELECT 47 uF 16V 20%
C22	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C220	PBE039540-4700	GP CHIP ELECT 47 uF 16V 20%
C221	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C23	PYL439670-1050	GP 1 uF 50V +80-20%
C24	PYL439670-1050	GP 1 uF 50V +80-20%
C25	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C26	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C27	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C28	PVE039540-1020	GP1000 uF 16V 20% 85 C
C29	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C3	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C30	PVE039540-1020	GP1000 uF 16V 20% 85 C
C31	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C32	PVE039540-1020	GP1000 uF 16V 20% 85 C
C33	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C34	PVE039540-1020	GP1000 uF 16V 20% 85 C
C35	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C36	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C37	PXL456470-2220	GP 0.0022 uF 50V 10%
C38	PXL456470-2220	GP 0.0022 uF 50V 10%
C39	PBE039540-1010	GP VER.CHIP 100uF 16V 20%

# MAIN BOARD PARTS LIST

## CAPACITOR

C4	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C40	PBE039540-2200	COND ELECT;22 uF 16V 20%
C40	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C41	PBE039540-1010	GP VER.CHIP 100uF 16V 20%
C42	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C44	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C45	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C46	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C47	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C48	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C49	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C50	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C51	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C52	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C53	PBE039540-2200	COND ELECT;22 uF 16V 20%
C53	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C54	PBE039540-2200	COND ELECT;22 uF 16V 20%
C54	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C55	PBE039540-2200	COND ELECT;22 uF 16V 20%
C55	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C56	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C57	PXL456470-1020	GP 0.001 uF 50V 10%
C58	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C59	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C6	PXL456470-1010	GP 100pF 50V 10%
C60	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C61	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C62	PBE039540-2200	COND ELECT;22 uF 16V 20%
C62	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C63	PXL456470-4710	GP 470 pF 50V 10%
C64	PXL456470-1520	GP 0.0015 uF 50V 10%
C65	PXL456470-1020	GP 0.001 uF 50V 10%
C66	PYL439670-1050	GP 1 uF 50V +80-20%
C67	PYL439670-1050	GP 1 uF 50V +80-20%
C68	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C69	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C70	PVE039540-1020	GP1000 uF 16V 20% 85 C
C71	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C72	PXL456470-1020	GP 0.001 uF 50V 10%
C73	PXL456470-1020	GP 0.001 uF 50V 10%
C74	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C75	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C76	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C77	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C78	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C8	PXL456470-1020	GP 0.001 uF 50V 10%
C80	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C81	PBE039540-2200	COND ELECT;22 uF 16V 20%
C81	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C82	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C83	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C84	PBE039540-2200	COND ELECT;22 uF 16V 20%
C84	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C85	PBE039540-2200	COND ELECT;22 uF 16V 20%
C85	PBE039542-2200	GP VER. CHIP 22 uF 16V 20%
C86	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C87	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C88	PYL439640-4750	GP 4.7 uF 16V +80%-20%
C89	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C9	PXL456470-1010	GP 100pF 50V 10%
C90	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V

## CAPACITOR

C91	PXL410370-2200	GP 22 pF 50V 5%
C92	PXL410370-2200	GP 22 pF 50V 5%
C93	PXL456470-1520	GP 0.0015 uF 50V 10%
C94	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
C95	PXL456470-1020	GP 0.001 uF 50V 10%
C96	PXL439640-3340	GP 0.33 uF 16V +80-20%
C97	PXL456470-4710	GP 470 pF 50V 10%
C98	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
C99	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
TC11	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
TC4	PBE039540-1000	GP VER. CHIP 10uF 16V 20%
TC1	PBE039540-4700	GP CHIP ELECT 47uF16V 20%
TC6	PBE039540-4700	GP CHIP ELECT 47uF16V 20%
TC10	PXL410370-2200	GP 22 pF 50V 5%
TC7	PXL410370-2200	GP 22 pF 50V 5%
TC8	PXL410370-2200	GP 22 pF 50V 5%
TC9	PXL410370-2200	GP 22 pF 50V 5%
TC12	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
TC2	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
TC3	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V
TC5	PXL439640-1040	GP 0.1uF 16V +80%-20% Y5V

## INTERGRATED CIRCUIT

D1	RCD100034-0030	GP SR34 SMB/DO-214AA
D10	RCD100099-0011	GP SOT23 PANJIT ONLY
D10	RCD100099-0040	GPGSOT23 GTM SWITCHING
D11	RCD100099-0011	GP SOT23 PANJIT ONLY
D11	RCD100099-0040	GPGSOT23 GTM SWITCHING
D12	RCD100099-0011	GP SOT23 PANJIT ONLY
D12	RCD100099-0040	GPGSOT23 GTM SWITCHING
D14	RCD100099-0011	GP SOT23 PANJIT ONLY
D14	RCD100099-0040	GPGSOT23 GTM SWITCHING
D17	RCD100099-0011	GP SOT23 PANJIT ONLY
D17	RCD100099-0040	GPGSOT23 GTM SWITCHING
D2	RCD100034-0030	GP SR34 SMB/DO-214AA
D3	RCD100099-0011	GP SOT23 PANJIT ONLY
D3	RCD100099-0040	GPGSOT23 GTM SWITCHING
D4	RCD100099-0011	GP SOT23 PANJIT ONLY
D4	RCD100099-0040	GPGSOT23 GTM SWITCHING
D5	RCD100540-0050	BAT54CW SOT323 PANJIT
D5	RCD100540-0120	GP GBAT54C SOT-23 GTM
D6	RCD100099-0011	GP SOT23 PANJIT ONLY
D6	RCD100099-0040	GPGSOT23 GTM SWITCHING
D7	RCD100099-0011	GP SOT23 PANJIT ONLY
D7	RCD100099-0040	GP GSOT23 GTM SWITCHING
D8	RCD100099-0011	GP SOT23 PANJIT ONLY
D8	RCD100099-0040	GPGSOT23 GTM SWITCHING
D9	RCD100099-0011	GP SOT23 PANJIT ONLY
D9	RCD100099-0040	GPGSOT23 GTM SWITCHING
PQ2	RCM009435-2001	GP FET Si9435BDY SO8
PQ2	RCM009435-2003	GP MOSFET GSC9435 SOP-8
Q1	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q1	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q10	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q10	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q11	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q11	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q12	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q12	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q13	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q13	RCN003904-0009	GP GMBT3904 SOT-23 GTM

# MAIN BOARD PARTS LIST

## INTERGRATED CIRCUIT

Q14	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q14	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q15	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q15	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q16	RCP003906-0002	GP XISTR PNP 3906 SOT23
Q16	RCP003906-0005	GP XISTR PNP GMBT3906
Q17	RCP003906-0002	GP XISTR PNP 3906 SOT23
Q17	RCP003906-0005	GP XISTR PNP GMBT3906
Q18	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q18	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q2	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q2	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q3	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q3	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q4	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q4	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q5	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q5	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q6	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q6	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q7	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q7	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q8	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q8	RCN003904-0009	GP GMBT3904 SOT-23 GTM
Q9	RCN003904-0005	GP PMBT3904 SOT23 PHILIPS
Q9	RCN003904-0009	GP GMBT3904 SOT-23 GTM
REG1	RCI001117-0011	3P AMC1117-5.0 5V SOT223
REG1	RCI001117-0015	GP 3P GL1117A 5.0V SOT-223
REG1	RCI111705-0001	GP 3P LD1117A SOT-223 5V
REG2	RCI001117-0010	GP IC 3P GL1117A 3.3V
REG2	RCI001117-0013	3P AMC1117-3.3 3.3V SOT223
REG2	RCI111733-1102	GP 3P P1117E33LA SOT223
REG3	RCI008050-0001	IC 5P SI-8050SD TO-263
REG3	RCI008050-0002	IC 5P SI-8050RD TO-263-5
REG4	RCI001117-0008	GP 3P GL1117A 1.8V SOT-223
REG4	RCI001117-0012	3P AMC1117-1.8 1.8V SOT223
REG4	RCI111718-1102	GP 3P AP1117E18LA 1.8V
REG5	RCI008050-0001	IC 5P SI-8050SD TO-263
REG5	RCI008050-0002	IC 5P SI-8050RD TO-263-5
REG6	RCI007808-0002	IC 3P 78D08A 8V 1A TO252
REG7	RCI001117-0008	GP 3P GL1117A 1.8V SOT-223
REG7	RCI001117-0012	3P AMC1117-1.8 1.8V SOT223
REG7	RCI111718-1102	GP 3 P AP1117E18LA 1.8V
U1	RCI001005-0001	14P NT1005-NN SOP
U11	RCI740014-0015	IC 14P 74HC14PW TSSOP
U2	RHI004635-0001	12P LA4635A 3049B-SIP12H
U3	RCI290040-0001	IC 32 PIN MX29LV040QC-70
U3	RCI290040-0003	32P MX29LV040CQC-70G
U4	RCI008125-0001	GP 208P FLI8125LF-BC PQFP
U5	RCI003425-0002	IC 64P MSP3425G PLQFP64
U6	RCI240032-0000	IC 8P TU24C32CS2 SOIC
U6	RCI240032-0003	IC 8P AT24C32AN-10SE-2.7
U7	RCI004052-0003	IC 16P CD4052BPW TSSOP
U7	RCI744052-0003	IC 16P 74HCT4052PW TSSOP
U8	RCI003580-0003	GP IC 8P LM358DR SOIC TI
U9	RCI240002-1005	GP IC 8 PIN 24LLC02A SOP
ZD1	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W
ZD2	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W
ZD3	RCZ005008-0010	GP CHIP ZENER 7.79V~8.61V
ZD4	RCZ005008-0010	GP CHIP ZENER 7.79V~8.61V
ZD5	RCZ005008-0010	GP CHIP ZENER 7.79V~8.61V

## INTERGRATED CIRCUIT

ZD6	RCZ005008-0010	GP CHIP ZENER 7.79V~8.61V
ZD7	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W
ZD8	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W

## CHIP BEAD

B14	SCB008051-1210	120 OHM 25%100MHZ 3A 0805
B13	SCB008051-7090	GP 7OHM25%100MHZ 5A 0805
B8	SCB012061-1900	GP 19OHM 25% 1206 100MHZ
TB10	SCB006031-1510	GP 150OHM25% 0603 100MHZ
TB8	SCB006031-1510	GP 150OHM25% 0603 100MHZ

## INDUCTOR

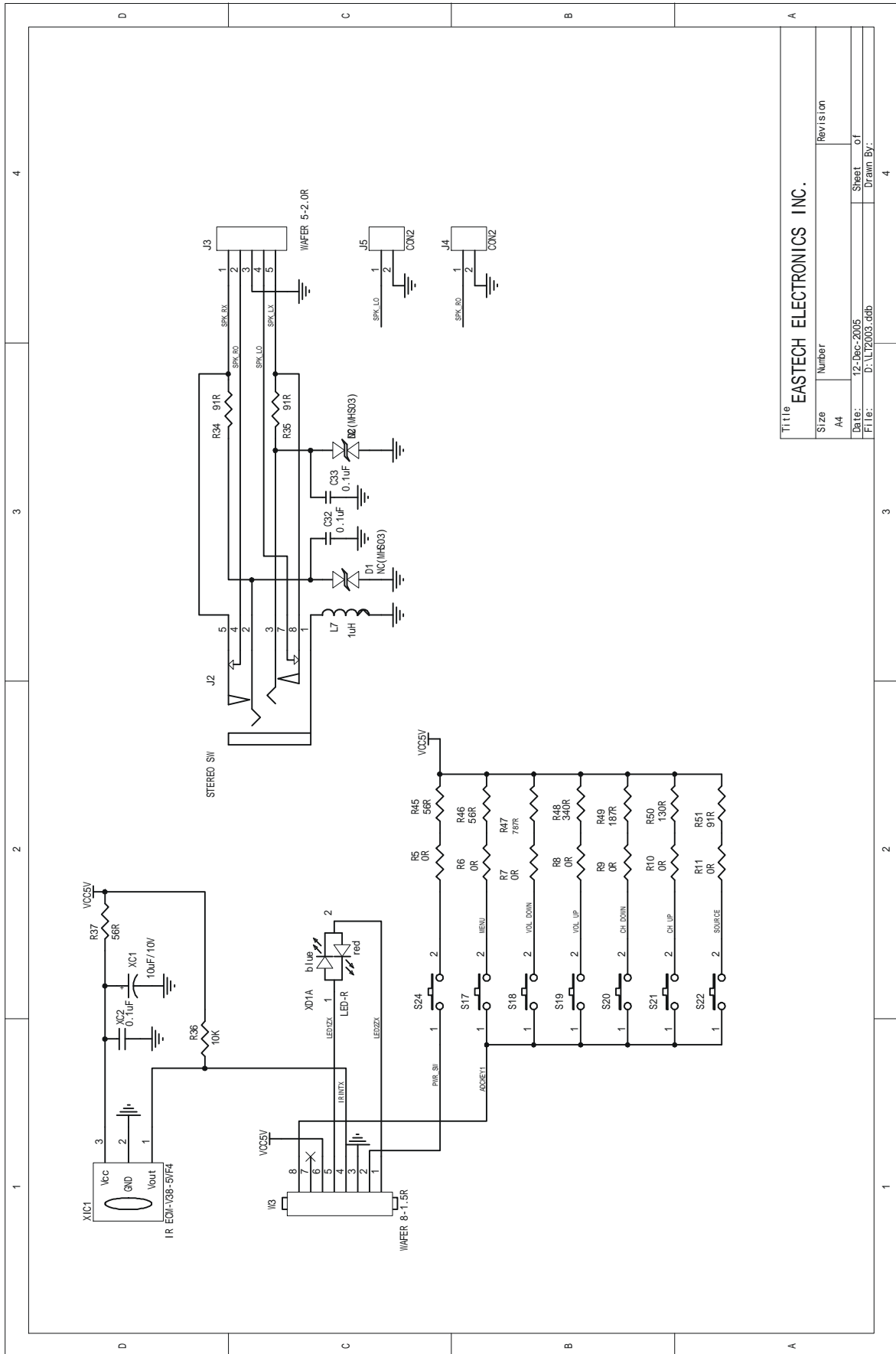
B28	SCN022601-1090	1 uH 10% 25mA Q=35 MIN
B30	SCN022601-1090	1 uH 10% 25mA Q=35 MIN
B33	SCN022601-1090	1 uH 10% 25mA Q=35 MIN

## MISCELLANEOUS

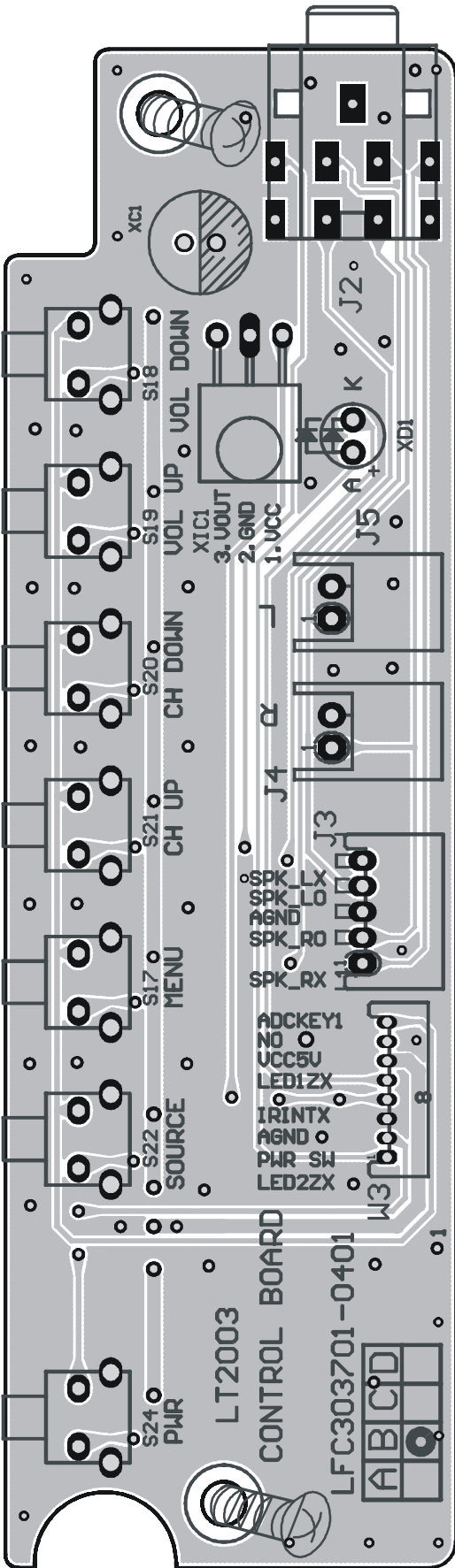
CON1	CHC050150-Z750	GP CHIP FFC/FPC CONN 50P
CON5	CJF015001-6004	GP D-SUB JACK 15 PIN 90'
CON6	CJM035036-1010	GP PHONE JACK D3.5 5P
CON7	CJD004212-1010	GP MINI DIN JACK 4P AMCO
F1	KCF070006-0080	GP CHIP FUSE 15A 65V FAST
F2	KCF070006-0080	GP CHIP FUSE 15A 65V FAST
J1	VWA200023-0004	GP C/W 5P 660mm 1007#28
J10	CCN200040-0220	GP CONN 2x10P P2.0xH6.5
J14	CJP031001-0020	GP POWER JACKPIN D2.5mm
J15	CJR003301-0100	GP RCA3P YEL/WHT/RED
J2	CCN150010-0108	GP CONN 8P PITCH=1.5mm
J3	CCN250000-0109	GP CONN B9B-XH-A 9 PIN
L1	SIL002030-0010	GP TOROID COIL 150uH 20%
L11	SIL002030-0010	GP TOROID COIL 150uH 20%
U3	CSK127301-1032	GP IC SOCKET 32P P1.27mm
X1	JQC023000-1961	GP CRYSTAL 19.6608 MHZ
Y1	JQC023100-1861	CRYSTAL 18.432MHZ 30PPM
Y1	JQC023100-1862	CRYSTAL 18.432MHz HC49S
X1	JQC023100-1961	CRYSTAL 19.6608MHzHC49S
TIC2	WTP000027-0001	GP TV TUNER TVF75P3-MF



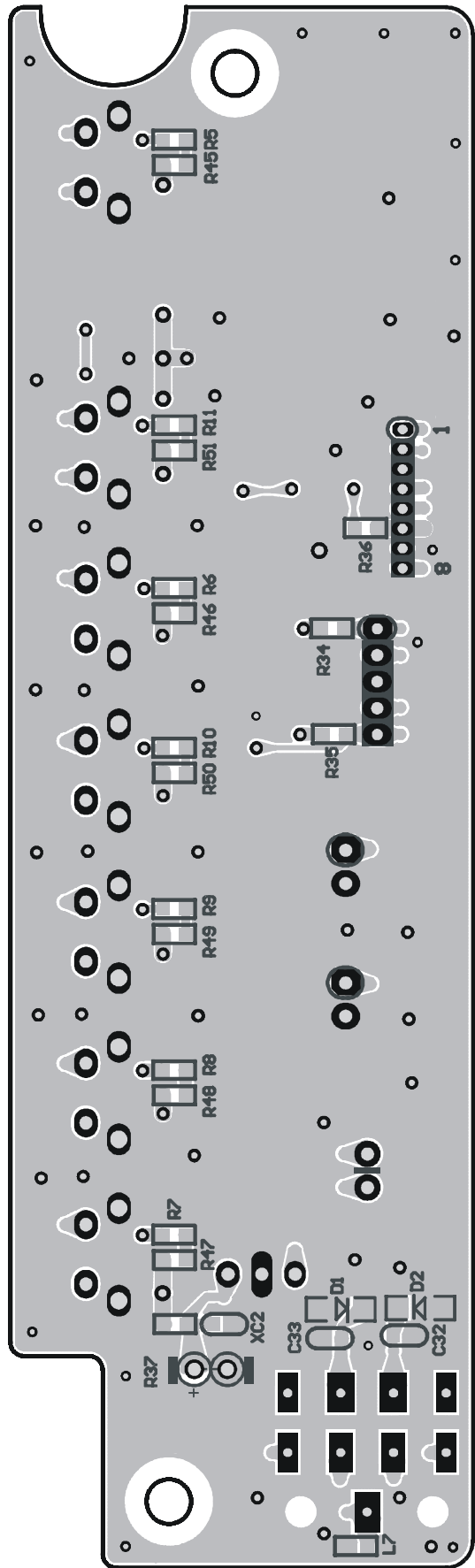
# CONTROL BOARD CIRCUIT



# CONTROL BOARD PCB-TOP



# CONTROL BOARD PCB-BOTTOM

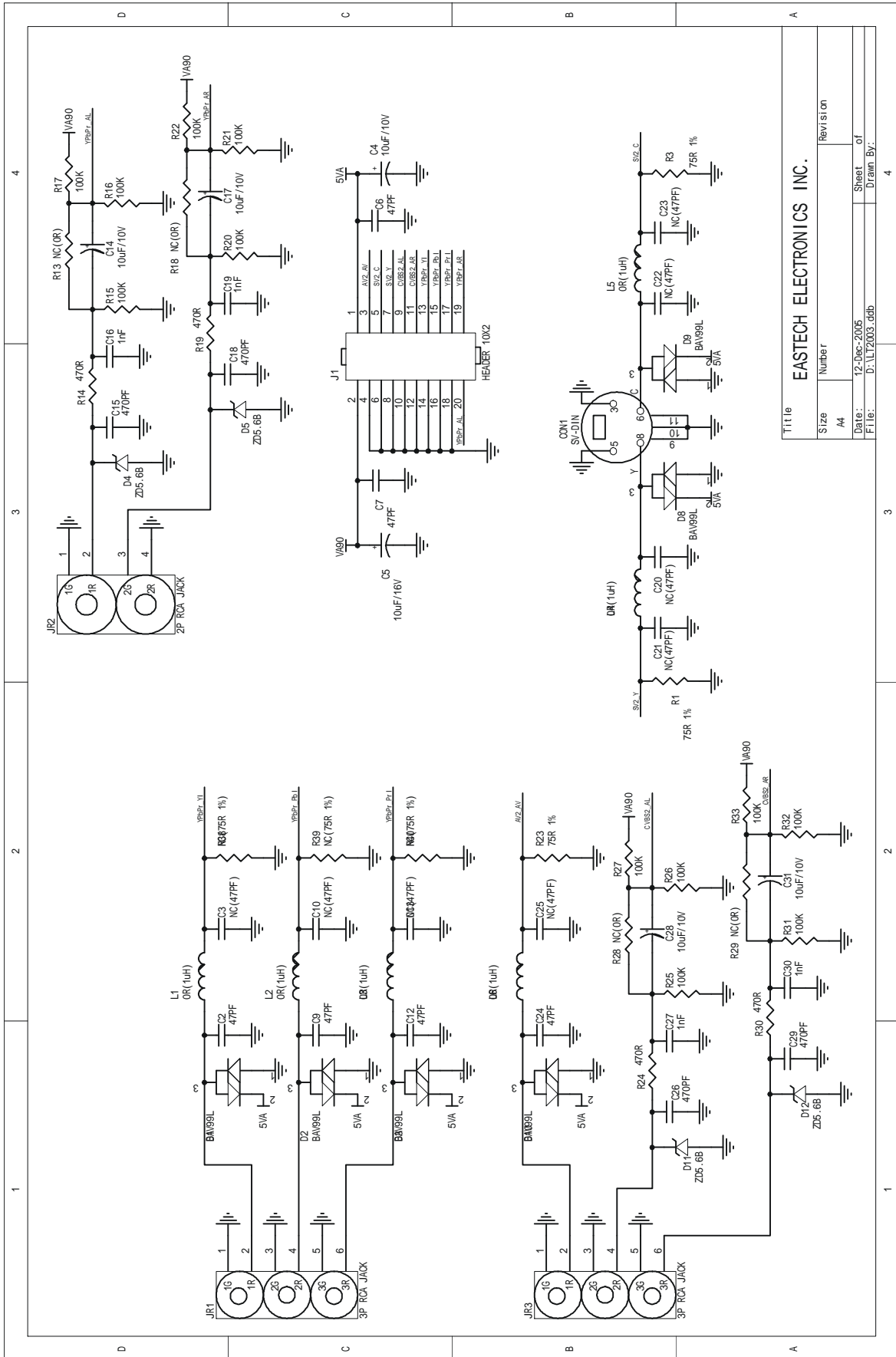


# CONTROL BOARD PARTS LIST

## MISCELLANEOUS

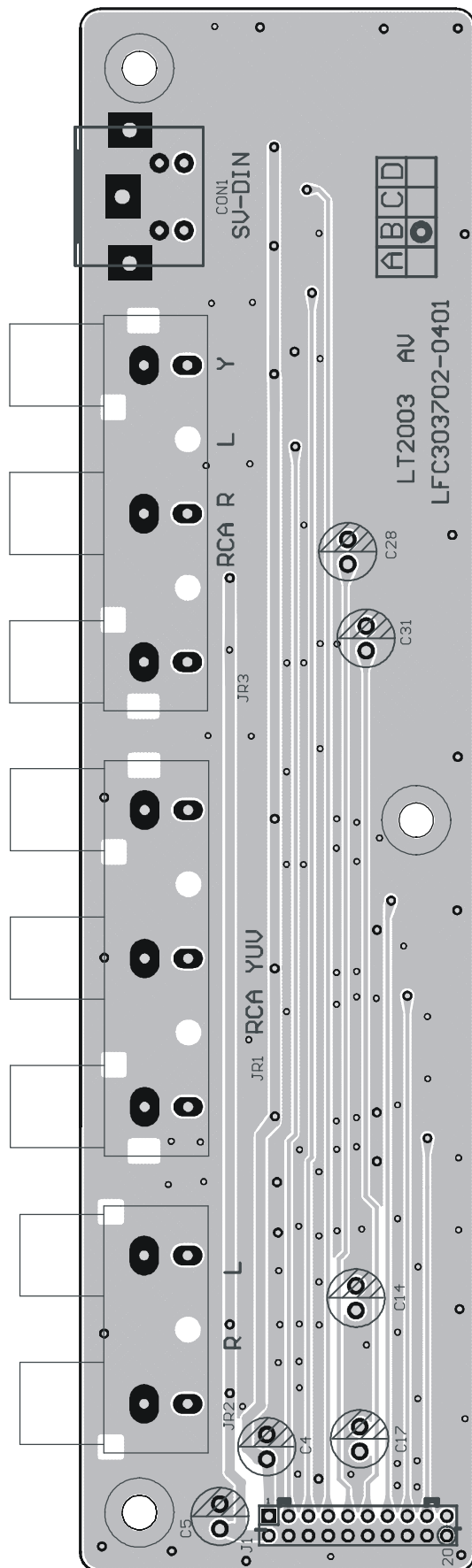
C32	PXL439640-1040	GP CHIP CAP 0.1uF 16V +80%-20% Y5V
C33	PXL439640-1040	GP CHIP CAP 0.1uF 16V +80%-20% Y5V
FOR:XD1	DLH010007-0013	GP LED HOLDER 2 PIN H2.8xOD4.2mm
J2	CJM036013-1020	PHONE JACK D3.6 7P L15+3xW13xH10.5mm
J3	CCN200000-0505	GP CONNECTOR 5 PIN PITCH=2.0mm
J4	CCN250000-0502	GP CONNECTOR S2B-XH-A 2 PIN
J5	CCN250000-0502	GP CONNECTOR S2B-XH-A 2 PIN
L7	SCN022601-1090	INDUCTOR 1 uH 10% 25mA Q=35 MIN
R10	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R11	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R34	QCF015030-9100	GP CHIP RES. 91 OHM 1/10W 5% 0603
R35	QCF015030-9100	GP CHIP RES. 91 OHM 1/10W 5% 0603
R36	QCF015030-1030	GP CHIP RES. 10K OHM 1/10W 5% 0603
R37	QCF015030-5600	GP CHIP RES. 56 OHM 1/10W 5% 0603
R45	QCF015030-5600	GP CHIP RES. 56 OHM 1/10W 5% 0603
R46	QCF015030-5600	GP CHIP RES. 56 OHM 1/10W 5% 0603
R47	QCF011030-7870	GP CHIP RES. 787 OHM 1/10W 1% 0603
R48	QCF011030-3400	GP CHIP RES. 340 OHM 1/10W 1% 0603
R49	QCF011030-1870	GP CHIP RES. 187 OHM 1/10W 1% 0603
R5	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R50	QCF011030-1300	GP CHIP RES. 130 OHM 1/10W 1% 0603
R51	QCF015030-9100	GP CHIP RES. 91 OHM 1/10W 5% 0603
R6	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R7	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R8	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R9	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
S17	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S18	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S19	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S20	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S21	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S22	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
S24	MVW006006-0010	GP TACT SW DIA3.75xL5.85mm 100+/-30gf 90
W3	CCN150001-0508	GP CONNECTOR 8P P=1.5mm 90' SINGLE TIN
XC1	PME839540-1000	GP COND ELECT;10 uF 16V 20%
XC2	PXL439640-1040	GP CHIP CAP 0.1uF 16V +80%-20% Y5V
XD1	KED200002-0010	GP LED 2 DIA RED ROUND
XIC1	RHO263804-2102	GP IRT RECEIVER IRM-2638AF4

# AV BOARD CIRCUIT

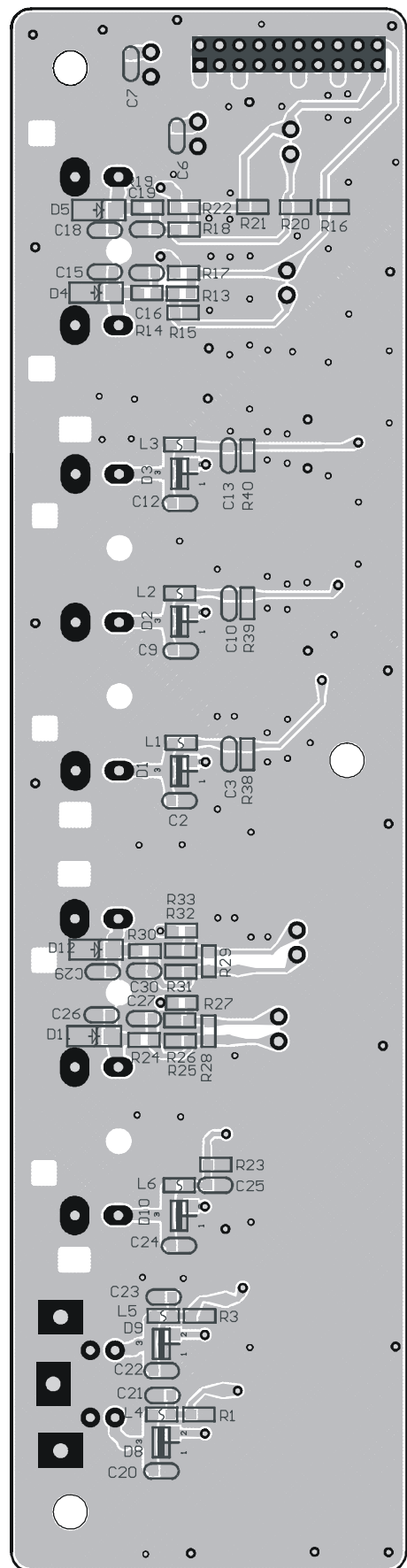


Title		Revision	
Size	Number		
A4			
Date:	12-Dec-2005	Sheet	
File:	D:\L1\2003.ddb	of	
Drawn By:			

# AV BOARD PCB-TOP



# AV PCB-BOTTOM



# AV BOARD PARTS LIST

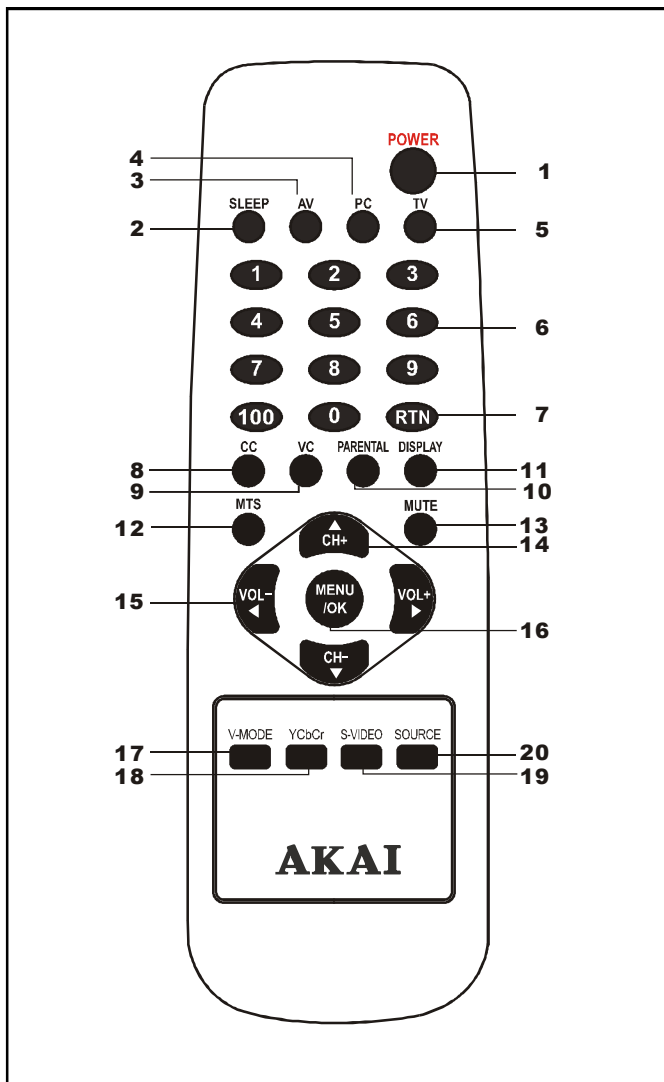
## MISCELLANEOUS

C12	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
C14	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C15	PXL456470-4710	GP CHIP CAP 470 pF 50V 10%
C16	PXL456470-1020	GP CHIP CAP 0.001 uF 50V 10%
C17	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C18	PXL456470-4710	GP CHIP CAP 470 pF 50V 10%
C19	PXL456470-1020	GP CHIP CAP 0.001 uF 50V 10%
C2	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
C24	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
C26	PXL456470-4710	GP CHIP CAP 470 pF 50V 10%
C27	PXL456470-1020	GP CHIP CAP 0.001 uF 50V 10%
C28	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C29	PXL456470-4710	GP CHIP CAP 470 pF 50V 10%
C30	PXL456470-1020	GP CHIP CAP 0.001 uF 50V 10%
C31	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C4	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C5	PME839540-1000	GP COND ELECT;10 uF 16V 20%
C6	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
C7	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
C9	PXL410370-4700	GP CHIP CAP 47 pF 50V 5%
CON1	CJD004212-1010	GP MINI DIN JACK 4P AMCO:113-41F11231
D1	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
D10	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
D11	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W (E2) SOD-123
D12	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W (E2) SOD-123
D2	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
D3	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
D4	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W (E2) SOD-123
D5	RCZ005006-Z011	GP CHIP ZENER 5.6V 5% 0.5W (E2) SOD-123
D8	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
D9	RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY
J1	CCN200040-0220	GP CONNECTOR 2x10P P2.0xH6.5mm 180' TIN
JR1	CJR003101-0030	GP RCA JACK 3P GREEN-BLU-RED
JR2	CJR002108-0010	GP RCA JACK 2P WHITE-RED
JR3	CJR003101-0020	GP RCA JACK 3P YEL-WHT-RED
L1	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
L2	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
L3	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
L4	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
L5	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
L6	QCF015030-0000	GP CHIP RES. 0 OHM 1/10W 5% 0603
R1	QCF011030-7509	GP CHIP RES. 75 OHM 1/10W 1% 0603
R14	QCF015030-4710	GP CHIP RES. 470 OHM 1/10W 5% 0603
R15	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R16	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R17	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R19	QCF015030-4710	GP CHIP RES. 470 OHM 1/10W 5% 0603
R20	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R21	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R22	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R23	QCF011030-7509	GP CHIP RES. 75 OHM 1/10W 1% 0603
R24	QCF015030-4710	GP CHIP RES. 470 OHM 1/10W 5% 0603
R25	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R26	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R27	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R3	QCF011030-7509	GP CHIP RES. 75 OHM 1/10W 1% 0603
R30	QCF015030-4710	GP CHIP RES. 470 OHM 1/10W 5% 0603
R31	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R32	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603
R33	QCF015030-1040	GP CHIP RES. 100K OHM 1/10W 5% 0603

## REPLACEMENT PARTS LIST

Part NO.	Description	Installation Point	Grade	QTY
JQC023000-1961	GP CRYSTAL19.6608 MHZ HC-49/S 30PPM 20PF	X1	Main	1
JQC023100-1961	CRYSTAL 19.6608MHzHC49S 30ppm20PF 35 OH	X1	Replacement	0
JQC023100-1861	CRYSTAL 18.432MHZ 30PPM 20PF 50 OHM	Y1	Main	1
JQC023100-1862	CRYSTAL 18.432MHz HC49S 30ppm20PF 35 OH	Y1	Replacement	0
RCI290040-0001	IC 32 PIN MX29LV040QC-70 PLCC	U3	Main	1
RCI290040-0003	IC 32P MX29LV040CQC-70G PLCC MXIC LF	U3	Replacement	0
RCI240032-0003	IC 8P AT24C32AN-10SE-2.7 SOIC ATMEL	U6	Main	1
RCI240032-0000	IC 8P TU24C32CS2 SOIC TURBO CMOS I2C	U6	Replacement	0
RCI001117-0011	IC 3P AMC1117-5.0 5V SOT223 ADD 1A	REG1	Main	1
RCI001117-0015	GP IC 3P GL1117A 5.0V SOT-223 GTM 1A LOW	REG1	Replacement	0
RCI111705-0001	GP IC 3P LD1117A SOT-223 UTC 5V	REG1	Replacement	0
RCI001117-0013	IC 3P AMC1117-3.3 3.3V SOT223 ADD 1A	REG2	Main	1
RCI001117-0010	GP IC 3P GL1117A 3.3V SOT-223 GTM 1A LOW	REG2	Replacement	0
RCI111733-1102	GP IC 3PIN AP1117E33LA SOT223 3.3V ANAC	REG2	Replacement	0
RCI001117-0012	IC 3P AMC1117-1.8 1.8V SOT223 ADD 1A	REG4 REG7	Main	2
RCI001117-0008	GP IC 3P GL1117A 1.8V SOT-223 GTM 1A LOW	REG4 REG7	Replacement	0
RCI111718-1102	GP IC 3 PIN AP1117E18LA 1.8V SOT223	REG4 REG7	Replacement	0
RCI744052-0003	IC 16P 74HCT4052PW TSSOP PHILIPS	U7	Main	1
RCI004052-0003	IC 16P CD4052BPW TSSOP TI LF	U7	Replacement	0
RCM009435-2001	GP FET Si9435BDY SO8 VISHAY -30V P-CH	PQ2	Main	1
RCM009435-2003	GP MOSFET GSC9435 SOP-8 GTM -30V P-CH	PQ2	Replacement	0
RCI008050-0001	IC 5P SI-8050SD TO-263 SANKEN SW. REG.	REG3 REG5	Main	2
RCI008050-0002	IC 5P SI-8050RD TO-263-5 SANKEN SW. REG.	REG3 REG5	Replacement	0
RCD100540-0050	CHIP DIODE BAT54CW SOT323 PANJIT LF 30V	D5	Main	1
RCD100540-0120	GP CHIP DIODE GBAT54C SOT-23 GTM DUAL	D5	Replacement	0
RCD100099-0011	GP DIODE CHIP BAV99 SOT23 PANJIT ONLY	D10 D11 D12 D14 D17 D3 D4 D6 D7 D8 D9	Main	11
RCD100099-0040	GP CHIP DIODE GBAV99 SOT23 GTM SWITCHIN	D10 D11 D12 D14 D17 D3 D4 D6 D7 D8 D9	Replacement	0
RCN003904-0005	GP XISTR NPN PMBT3904 SOT23 PHILIPS	Q1 Q10 Q11 Q12 Q13 Q14 Q15 Q2 Q3 Q4	Main	16
RCN003904-0009	GP XISTR NPN GMBT3904 SOT-23 GTM	Q1 Q10 Q11 Q12 Q13 Q14 Q15 Q2 Q3 Q4	Replacement	0
RCP003906-0002	GP XISTR PNP 3906 SOT23 General Purpose	Q16 Q17	Main	2
RCP003906-0005	GP XISTR PNP GMBT3906 SOT-23 GTM	Q16 Q17	Replacement	0
PBE039540-2200	COND ELECT;22 uF 16V 20%	C114 C115 C125 C134 C143 C144 C145	Main	21
PBE039542-2200	GP VER. CHIP 22 uF 16V 20%	C114 C115 C125 C134 C143 C144 C145	Replacement	0
VFC500210-1400	GP FFC CABLE 50P 140mm 20624 P=0.5 REV.	MAIN(CON1)TO LCD PAN	Main	1
VFC500110-1400	GP FFC CABLE 50P 140mm 20696 P=0.5mm	MAIN(CON1)TO LCD PAN	Replacement	0
WPC032006-0005	INVERTER ASSY GREATCHIP:GIVET12006LDA		Main	1
WPC032006-0007	GP INVERTER ASSY TPCI:TI2006ET-01		Replacement	0

## **BASIC OPERATION (continued)**

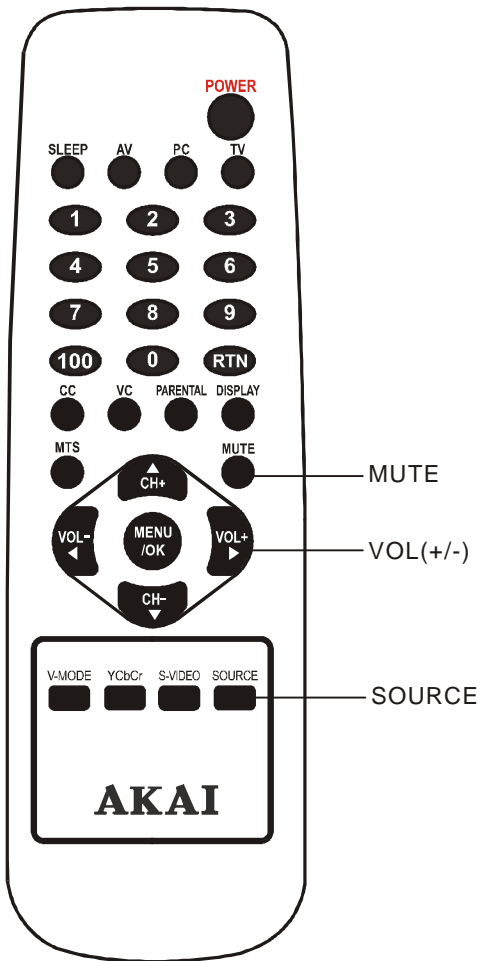


1. **POWER**  
Switch The Liquid Crystal Television power On or Off.
2. **SLEEP**  
Set the sleep timer.
3. **AV**  
Select the composite in (AV inputs) source.
4. **PC**  
Select for computer in.
5. **TV**  
Select the antenna source.
6. **CHANNEL NUMBER**

7. **RTN**  
Jump to previous channel.
8. **CC**  
Select the closed caption function.
9. **VC**  
Parental control display.
10. **PARENTAL**  
Select the parental control function.
11. **DISPLAY**  
Display channel information.
12. **MTS**  
Select sap/stereo/mono audio modes.
13. **MUTE**  
Mute the sound ON/OFF.
14. **CH UP/DOWN**  
Channel UP/DOWN and select a desired.
15. **VOL UP/DOWN**  
Volume UP/DOWN and select a desired item on the screen.
16. **MENU/OK**  
Display the menu screen and select the specified item on the screen.
17. **V-MODE**  
Select Video Mode.
18. **YCbCr**  
Select YCbCr (Component input) as the input source.
19. **S-VIDEO**  
Select the S-VIDEO source.
20. **SOURCE**  
Change the input source.



# BASIC OPERATION



## Changing Input Sources

1. Turn on the power of the connected Video equipment.
2. Press the SOURCE button to select the applicable Input source in sequence.  
The TV screen will show text indicating the selected input source each time the SOURCE button is pressed.

## Adjusting the Volume

1. Press VOL UP to increase the volume. The bar indicator shifts to the right.
2. Press VOL DOWN to decrease the volume. The bar indicator shifts to the left.

## To mute the sound

1. Press MUTE to temporarily turn off the sound.
2. Press MUTE or VOL UP/DOWN to turn the sound back to previous level. The mute function is automatically turned off when any of the following buttons are pressed: POWER, VOL UP/DOWN.

## Changing Channels

### To select 1-or 2-digit channel number(e.g., Channel 5): Complete the following procedure.

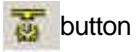
1. Press the " 5 " button.
2. Please wait 2 seconds.

### To select a 3-digit channel number(e.g., Channel 115):

1. Press the " 100 " button.
2. Press the " 1 " button.
3. Press the " 5 " button.
4. Please wait 2 seconds.

# FIRMWARE UPGRADE METHOD

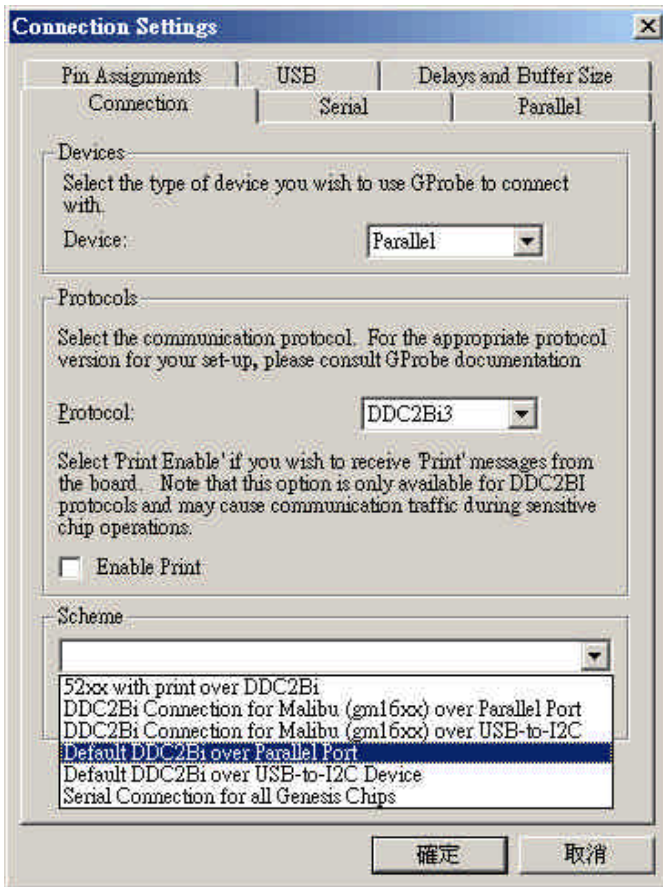
- 1 RUN GProbe.
- 2 Opens GProbe Connection Setup dialog (Options Connection Setup) press ( F10 ) OR Press



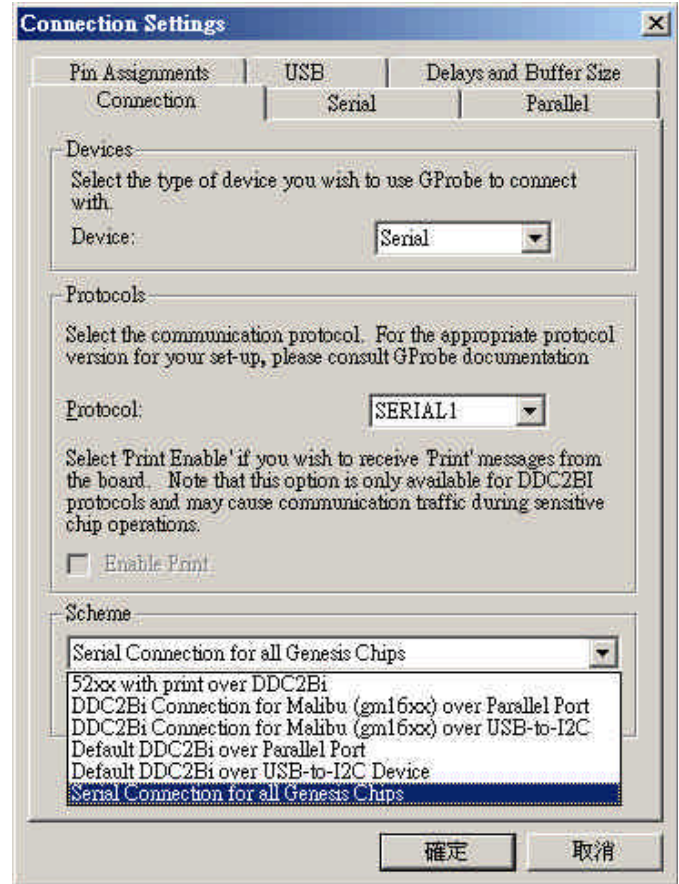
button

- 3 SETUP
  - A. USE Paralle
  - B. USE Serial

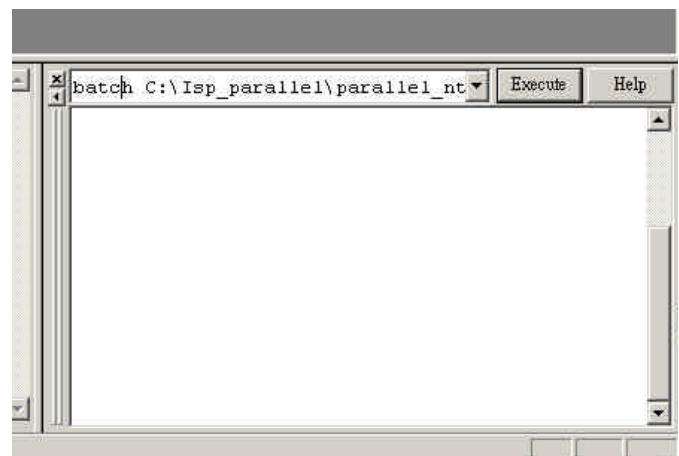
- A.
  - # setup Connection /Devis is **Parallel**.
  - # Protocols is **DDC2Bi3**.
  - #Scheme is **Default DDC2Bi over Paralle Port**.



- B.
  - # setup Connection /Devis is **Serial**.
  - #Scheme is **Serial C**.



- 4 copy **Isp\_parallel** folder in C:\
- 5 setup BATCH  
batch C:\Isp\_parallel\parallel\_ntsc.txt



- 6 Reset PC.  
BURN IN HEX CODE.
  - 1) RUN GProbe.
  - 2) RUN batch , press EXECUTE button ..

## SPECIFICATION FOR ADJUSTMENT (continued)

1. Applicable scope :

LT2003 20" LCD TV.

2. The purpose :

Check the terminal output signal is conforms to the specification.

3. Equipment requirement :

3.1 PC (640X480 VGA output)

3.2 Signal Generator VG-848

3.3 Signal Generator Fluke 54200

4. Factory mode setting

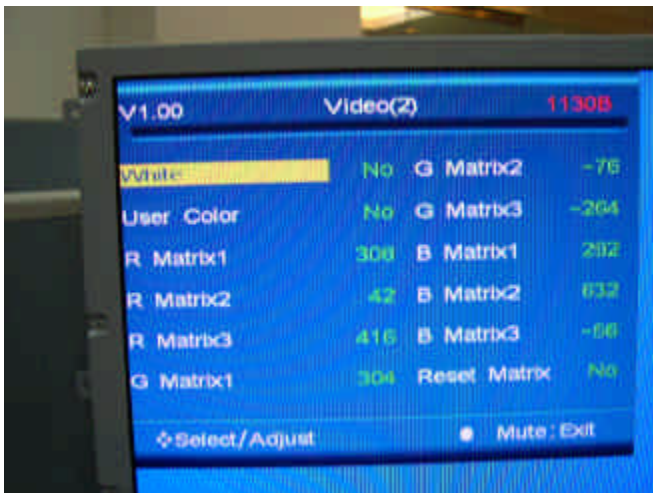
4.1 Press 100, 9, 9, 7 buttons on remote control to display (check) software version (1130B)

4.2 ->Epini, press VOL+ button and then waiting OSD return to NO (Auto tune).



**Note: After Epini, must do white balance setting for AV1, Component & PC mode.**

4.3 White balance setting:



# **SPECIFICATION FOR ADJUSTMENT**

## 4.3.1 TV mode

- a) Select Channel CH2
- b) Use Fluke 54200, select NTSC system, frequency 55.25 M Hz, 100% Color Bar
  - Signal intensity 70dB  $\mu$ V
  - Video 100%
  - Croma 100%
- c) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

## 4.3.2 PC mode

- a) Use PC VGA signal 640X480 Output, and 100% color bar.
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

## 4.3.3 S-Video1 mode

- a) Use Fluke 54200 S-Video output, select NTSC system, and 100% Color Bar
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

## 4.3.4 S-Video2 mode

- a) Use Fluke 54200 S-Video output, select NTSC system, and 100% Color Bar
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

## 4.3.5 AV1 mode

- a) Use Fluke 54200 AV output select, NTSC system, and 100% Color Bar
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

## 4.3.6 AV2 mode

- a) Use Fluke 54200 AV output, select NTSC system, and 100% Color Bar.
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

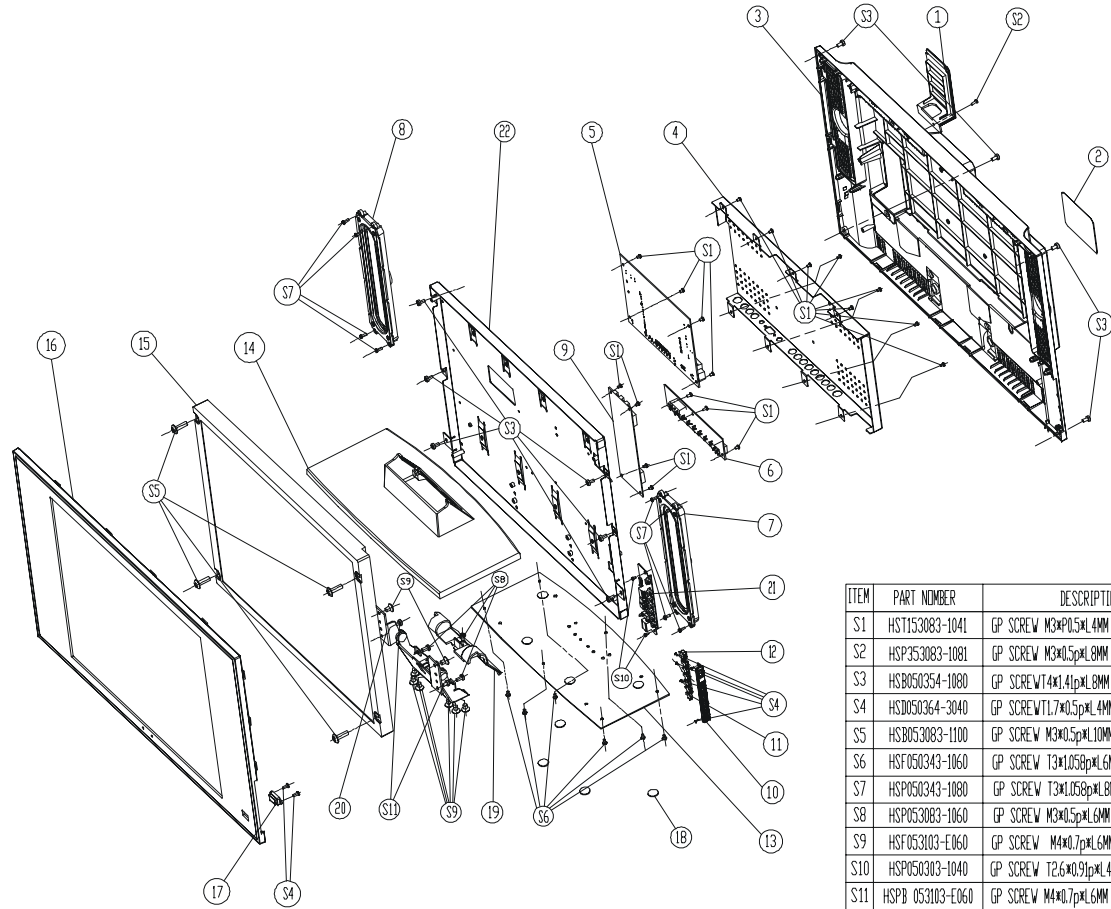
## 4.3.7 Component mode

- a) Use Fluke 54200 YCbCr output, select NTSC system, and 100% Color Bar
- b) High light White -> press VOL+ button -> waiting OSD YES return to NO (Auto tune), and the white balance setting is complete.

# EXPLODED DRAWING

PART NO. :

ISSUE-CHANGE ORDER-DATE-INITIAL



DO NOT SCALE

NOTE:

ITEM	PART NUMBER	PART NAME	QTY
1	BPF300029-0003	GP TUNER COVER	1
2	YL.B11021-0001	GP RATING LABEL	1
3	BPO300004-0106	GP BACKCOVER	1
4	GSE300038-0003	GP M/B EMI COVER SECC	1
5	APE303690-0001	TV M/B PCB ASSY LT2003N	1
6	APE303702-4001	AV-IN PCBASSY	1
7	FSM310005-0010	SPK-MODULE 3W-R	1
8	FSM31005-0020	SPK-MODULE 3W-L	1
9	WPC032006-0005	INVERTER-ASS	1
10	BPF300028-0001	DSD COVER	1
11	BPK308015-0001	DSD KNOB	1
12	BPK306023-0001	GP POWER KNOB	1
13	GSE300047-0001	FOOT BASE PLATE SECC	1
14	BPH300015-0002	GP STAND ABS	1
15	KTF200001-0060	LCD PANEL 20.1"	1
16	BPF300027-0005	GP FRONT COVER	1
17	BPN300032-0001	GP IR LENS PC	1
18	DUF003003-0001	GP FOOT PAD	4
19	BPV300001-0002	HINGE COVE	1
20	WMA300006-0001	HINGE	1
21	APE303701-2001	CONTROL PCB ASSY	1
22	GSE 300037-0003	GP PANEL MOUNT SECC	1

ITEM	PART NUMBER	DESCRIPTION	INSTALLATION POINT
S1	HST153083-1041	GP SCREW M3x0.5pxL4MM	M/Bx4 EMICOVERx8 INVERTERBOARDx4 DESCRIPTION PCBx3
S2	HSP353083-1081	GP SCREW M3x0.5pxL6MM PAN HD	TUNER-BACK COVERx1
S3	HSB050354-1080	GP SCREW T4x1.41pxL8MM BINDING HINT	FRONT-BACK COVERx4PANEL MOUNT-BACKCOVERx6
S4	HSD050364-3040	GP SCREW T1.7x0.5pxL4MM WAEER HEADBLK	DSDxPWxKNOB DSDx3 DSD-BACKCOVERx2 IR-BACK COVERx2
S5	HSB053083-1100	GP SCREW M3x0.5pxL10MM	PANEL-PANEL MOUNTx4
S6	HSF050343-1060	GP SCREW T3x1.058pxL6MM	FOOT BASE-STANDx6
S7	HSP050343-1080	GP SCREW T3x1.058pxL8MM	SPK BRACKET-BACKx8
S8	HSP053083-1060	GP SCREW M3x0.5pxL6MM	HINGE COVER-HINGEX1 FOOT BASE-HINGEX2
S9	HSF053103-E060	GP SCREW M4x0.7pxL6MM	HINGE PANEL MOUNTx2 HINGE-FOOT BASEx6
S10	HSP050303-1040	GP SCREW T2.6x0.91pxL4MM	SW BOARD-BACKCOVERx2
S11	HSPB 053103-E060	GP SCREW M4x0.7pxL6MM	HINGE PANEL MOUNTx2

USE ON	公稱尺寸	公差	單位	單位 UNIT
MODEL NO.	英寸	F G H J	比例 SCALE	
	mm	+0.05 +0.1 +0.1 +0.2		
	0-25	+0.08 +0.15 +0.15 +0.3	制定 DATE	
	25-50	+0.12 +0.2 +0.25 +0.4	修定 DATE	
	50-100	+0.25 +0.3 +0.4 +0.6	REVISION NO.	
	100-200	+0.5 +0.8 +0.8 +1.1		
	200-300	+1.0 +1.0 +1.6 +1.7		
	300	+1.2 +2.0 +3.0 +3.0		

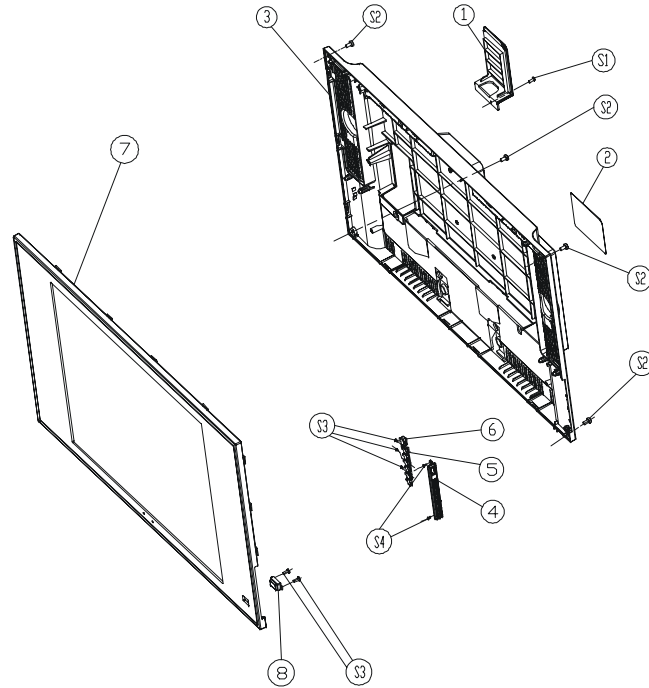
BOM NO.	料號 PART NO.
材質 MATERIAL	料號 PART NO.
處理 FINISH	品名 PART NAME
繪圖 DRAWN	LT2003 ASSY-EXP
設計 DESIGNED	
審核 APPROVED	



F-05-12-01

**DISASSEMBLY INSTRUCTION (1/4)**

PART NO. :  
ISSUE-CHANGE ORDER-DATE-INITIAL



ITEM	PART NUMBER	PART NAME	QTY
1	BPF300029-0003	GP TUNNER COVER	1
2	YL.B111021-0001	GP RATING LABEL	1
3	BPG300004-0106	GP BACKCOVER	1
4	BPF300028-0001	OSD COVER	1
5	BPK308015-0001	OSD KNOB	1
6	BPK3306023-0001	GP POWER KNOB	1
7	BPF300027-0005	GP FRONT COVER	1
8	BPN300032-0001	GP IR LENS PC	1

ITEM	PART NUMBER	DESCRIPTION	INSTALLATION POINT
S1	HSP353083-1081	GP SCREW M3x0.5pL8MM PAN HD	TUNER-BACK COVERx1
S2	HSB050354-1080	GP SCREW T4x1.41pL8MM BINDING HDNI	FRONT-BACK COVERx4PANEL HDNI-BACKCOVERx6
S3	HSD050364-3040	GP SCREW T1.7x0.5pL4MM WAFER HEADBLK	OSD&PWKNOB OSDx3 OSD-BACKCOVERx2 IR-BACK COVERx2

NOTE:

DO NOT SCALE

USE ON	公稱尺寸	公差	單位	BOM NO.	材質 MATERIAL	料號 PART NO.
MODEL NO.	英寸	F G H J	比例 SCALE		處理 FINISH	品名 PART NAME
	0.005	+0.01	+0.01	制定 DATE	繪圖 DRAWN	Front backcover
	0.005	+0.00	+0.15	修改 DATE	wengertiao	ASSY
	0.005	+0.12	+0.25		設計 DESIGNED	
	0.005	+0.25	+0.3		審核 APPROVED	
	0.005	+0.5	+0.8	REVISION NO.		
	0.005	+1.0	+1.5			
	0.005	+2.0	+3.0			



# DISASSEMBLY INSTRUCTION (2/4)

PART NO. :

ISSUE-CHANGE ORDER-DATE-INITIAL

ITEM	PART NUMBER	PART NAME	QTY
1	BPF30029-0003	GP TUNER COVER	1
2	YL.B11021-0001	GP RATING LABEL	1
3	BPO300004-0106	GP BACKCOVER	1
4	GSE300038-0003	GP M/B EMI COVER SECC	1
5	APE303690-0001	TV M/B PCB ASSY LT2003N	1
6	APE303702-4001	AV-IN PCB ASSY	1
7	FSM310005-0010	SPK-MODULE 3W-R	1
8	FSM31005-0020	SPK-MODULE 3W-L	1
9	WPC032006-0005	INVERTER-ASS	1
10	BPF300028-0001	DSD COVER	1
11	BPK308015-0001	DSD KNIB	1
12	BPK3306023-0001	GP POWER KNIB	1
13	KTF200001-0060	LCD PANEL 20.1"	1
14	BPF300027-0005	GP FRONT COVER	1
15	BPM300032-0001	GP IR LENS PC	1
16	APE303701-2001	CONTROL PCB ASSY	1
17	GSE 300037-0003	GP PANEL MOUNT SECC	1

DO NOT SCALE

ITEM	PART NUMBER	DESCRIPTION	INSTALLATION POINT
S1	HST153083-1041	GP SCREW M3*P0.5*KL4MM	M/B*4 EMI COVER*8 INVERTERBOARD*4 DESCRIPTION PCB*3
S2	HSP353083-1081	GP SCREW M3*0.5*KL8MM PAN HD	TUNER-BACK COVER*1
S3	HSB050354-1080	GP SCREW T4*1.41*KL8MM BINDING HINI	FRONT-BACK COVER*4 PANEL MOUNT-BACKCOVER*6
S4	HSD050364-3040	GP SCREW T1.7*0.15*KL4MM WAEER HEADBLK	DSD*POWER KNIB DSD*3 DSD-BACKCOVER*2 IR-BACK COVER*2
S5	HSB053083-1100	GP SCREW M3*0.5*KL10MM	PANEL-PANEL MOUNT*4
S6	HSF050343-1060	GP SCREW T3*1.05*KL6MM	FOOT BASE-STAND*6
S7	HSP050343-1080	GP SCREW T3*1.05*KL8MM	SPK BRACKET-BACK*8
S8	HSP050303-1040	GP SCREW T2.6*0.91*KL4MM	SW BOARD-BACKCOVER*2

NOTE:

USE ON					公稱尺寸		公差		單位		單位 UNIT	BOM NO.	
MODEL NO.	圖號	F	G	H	J	mm	mm	mm	mm	mm	mm	材質 MATERIAL	料號 PART NO.
		0.05	0.08	0.1	0.2							處理 FINISH	
		0.25	0.10	0.15	0.15	0.3						繪圖 DRAWN	品名 PART NAME
		0.25	0.12	0.2	0.25	0.4						mergenlo	BODY ASSY
		0.25	0.25	0.3	0.4	0.8						設計 DESIGNED	
		250-400	0.5	0.8	0.0	0.1						審核 APPROVED	
		000-250	1.0	1.0	1.5	11.7							
		250	1.2	1.2	1.0	13.0							

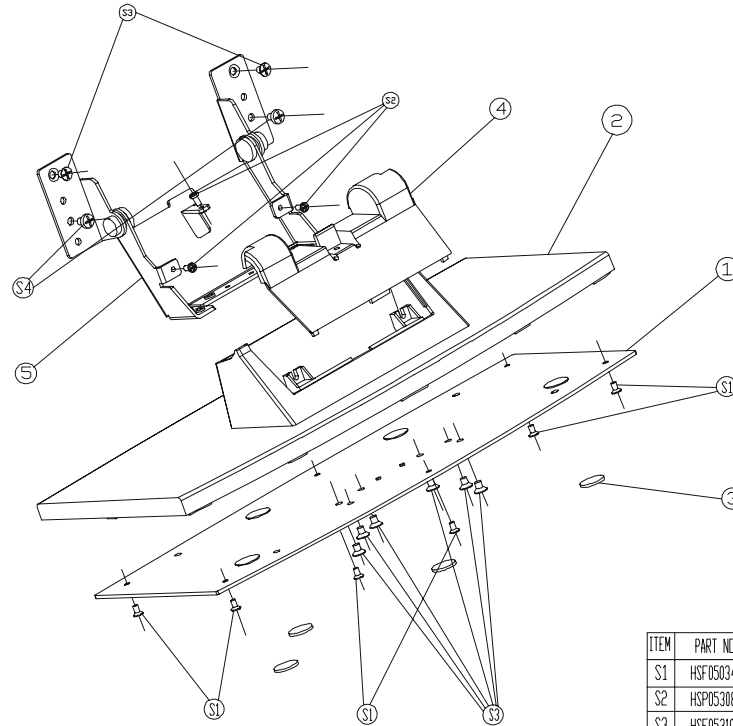
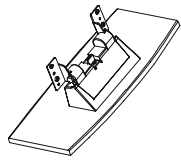
	<b>HUIYANG EASTWAY ELECTRONIC CO.,LTD</b>
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F-05-12-01

# DISASSEMBLY INSTRUCTION (3/4)

PART NO. :

ISSUE-CHANGE ORDER-DATE-INITIAL



ITEM	PART NUMBER	PART NAME	QTY
1	GSE300047-0001	FOOT BASE PLATE SECC	1
2	BPV300015-0002	GP STAND ABS	1
3	DUF003003-0001	GP FOOT PAD	4
4	BPV300001-0002	HINGE COVER	1
5	WMA300006-0001	HINGE	1

ITEM	PART NUMBER	DESCRIPTION	INSTALLATION POINT
S1	HSF050343-1060	GP SCREW T3xL0.58pL6MM	FOOT BASE-STAND*6
S2	HSP053083-1060	GP SCREW M3xL0.5pL6MM	HINGE COVER-HINGE*1 FOOT BASE-HINGE*2
S3	HSF053103-E060	GP SCREW M4x0.7pL6MM	HINGE PANEL MOUNT*2 HINGE-FOOT BASE*6
S4	HSPB 053103-E060	GP SCREW M4x0.7pL6MM	HINGE PANEL MOUNT*2

DO NOT SCALE

NOTE:

USE ON	公稱尺寸	公差	區分	單位 UNIT		
MODEL NO.	區分	F	G	H	J	比例 SCALE
	8	+0.05	+0.1	+0.1	+0.2	制定 DATE
	8-25	+0.08	+0.15	+0.15	+0.3	修定 DATE
	25-40	+0.12	+0.2	+0.25	+0.4	REVISION NO.
	40-250	+0.25	+0.3	+0.4	+0.6	
	250-800	+0.5	+0.6	+0.8	+1.1	
	800-2500	+1.0	+1.0	+1.5	+1.7	
	2500+	+2.0	+3.0	+3.0	+3.0	

BOM NO.

材質 MATERIAL	料號 PART NO.
處理 FINISH	品名 PART NAME
繪圖 DRAWN	foot base
審核 DESIGNED	ASSY
審核 APPROVED	HUIYANG EASTWAY ELECTRONIC CO.,LTD

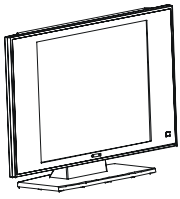
F-05-12-01

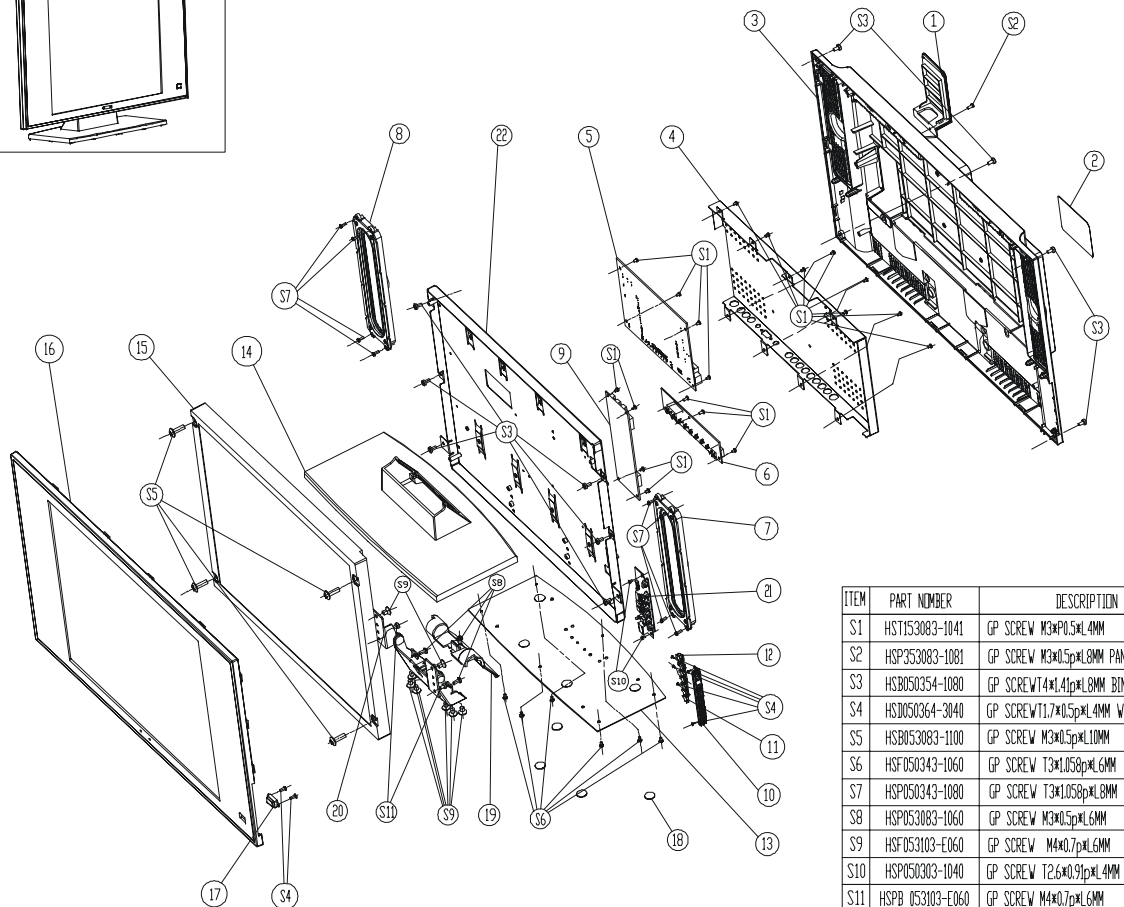


# DISASSEMBLY INSTRUCTION (4/4)

PART NO. :

ISSUE-CHANGE ORDER-DATE-INITIAL



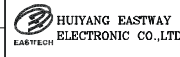


DO NOT SCALE

ITEM	PART NUMBER	PART NAME	QTY
1	BPF300029-0003	GP TUNER COVER	1
2	YL.B11021-0001	GP RATING LABEL	1
3	BPO300004-0006	GP BACKCOVER	1
4	GSE300038-0003	GP M/B EMI COVER SECC	1
5	APE303690-0001	TV M/B PCB ASSY LT2003N	1
6	APE303702-4001	AV-IN PCB ASSY	1
7	FSM310005-0010	SPK-MODULE 3W-R	1
8	FSM31005-0020	SPK-MODULE 3W-L	1
9	WPC032006-0005	INVERTER-ASS	1
10	BPF300028-0001	DSD COVER	1
11	BPK300015-0001	DSD KNOB	1
12	BPK3306023-0001	GP POWER KNOB	1
13	GSE300047-0001	FOOT BASE PLATE SECC	1
14	BPH300015-0002	GP STAND ABS	1
15	KTF200001-0060	LCD PANEL 20.1"	1
16	BPF300027-0005	GP FRONT COVER	1
17	BPN300032-0001	GP IR LENS PC	1
18	DUF003003-0001	GP FOOT PAD	4
19	BPV300001-0002	HINGE COVE	1
20	WMA300006-0001	HINGE	1
21	APE303701-2001	CONTROL PCB ASSY	1
22	GSE 300037-0003	GP PANEL MOUNT SECC	1

ITEM	PART NUMBER	DESCRIPTION	INSTALLATION POINT
S1	HST153083-1041	GP SCREW M3*0.5*4MM	M/B*4 EMI COVER*8 INVERTERBOARD*4 DESCRIPTION PCB*3
S2	HSP353083-1081	GP SCREW M3*0.5*4.8MM PAN HD	TUNER-BACK COVER*1
S3	HSB050354-1080	GP SCREW T4*1.41*1.6MM BINDING HINI	FRONT-BACK COVER*4 PANEL MOUNT-BACKCOVER*6
S4	HSD050364-2040	GP SCREW T1.7*0.5*1.4MM WAEER HEADBLK	DSD*6 POW KNOB DSD*3 DSD-BACKCOVER*2 IR-BACK COVER*2
S5	HSB053083-1100	GP SCREW M3*0.5*1.10MM	PANEL-PANEL MOUNT*4
S6	HSP050343-1060	GP SCREW T3*1.05*0.6MM	FOOT BASE- STAND*6
S7	HSP050343-1080	GP SCREW T3*1.05*0.6*1.8MM	SPK BRACKET-BACK*8
S8	HSP053083-1060	GP SCREW M3*0.5*1.6MM	HINGE COVER-HINGE*1 FOOT BASE-HINGE*2
S9	HSP053103-ED60	GP SCREW M4*0.7*1.6MM	HINGE PANEL MOUNT*2 HINGE-FOOT BASE*6
S10	HSP050303-1040	GP SCREW T2.6*0.91*1.4MM	SW BOARD-BACKCOVER*2
S11	HSPB 053103-ED60	GP SCREW M4*0.7*1.6MM	HINGE PANEL MOUNT*2

USE ON		公稱尺寸 公差 單位				BOM NO.	
MODEL NO.	圖號	F	G	H	J	材質 MATERIAL	料號 PART NO.
		0	+0.05	+0.1	+0.2	處理 FINISH	廠名 PART NAME LT2003 ASSY-EXP
		0-25	+0.06	+0.15	+0.15	繪圖 DRAWN wangyijiao	
		25-50	+0.12	+0.2	+0.25	設計 DESIGNED	
		50-200	+0.25	+0.3	+0.4	審核 APPROVED	
		250-800	+0.5	+0.8	+1.1		
		800-2500	+1.0	+1.5	+1.7		
		2500	+2.0	+3.0	+5.0		

NOTE: