

Service Manual

LC3050 /N1B

LCD TV

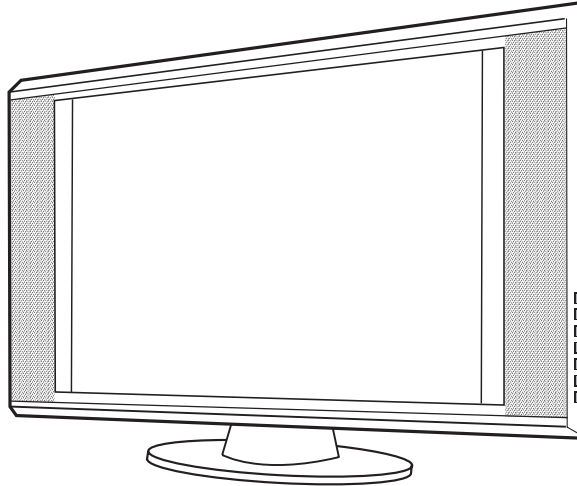


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Please use this service manual with referring to the user guide (D.F.U) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

LC3050

Part no. 90M47AW855010
First Issue 2004.05
ecm

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

<p>USA</p> <p>MARANTZ AMERICA, INC 1100 MAPLEWOOD DRIVE ITASCA, IL. 60143 USA PHONE : 630 - 741 - 0300 FAX : 630 - 741 - 0301</p>	<p>EUROPE / TRADING</p> <p>MARANTZ EUROPE B.V. P. O. BOX 8744, BUILDING SILVERPOINT BEEMDSTRAAT 11, 5653 MA EINDHOVEN THE NETHERLANDS PHONE : +31 - 40 - 2507844 FAX : +31 - 40 - 2507860</p>	<p>CANADA</p> <p>MARANTZ CANADA INC. 5-505 APPLE CREEK BLVD. MARKHAM, ONTARIO L3R 5B1 CANADA PHONE : 905 - 415 - 9292 FAX : 905 - 475 - 4159</p>
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<p>AUSTRALIA</p> <p>QualiFi Pty Ltd, 24 LIONEL ROAD, MT. WAVERLEY VIC 3149 AUSTRALIA PHONE : +61 - (0)3 - 9543 - 1522 FAX : +61 - (0)3 - 9543 - 3677</p>	<p>THAILAND</p> <p>MRZ STANDARD CO., LTD 746 - 754 MAHACHAI ROAD., WANGBURAPAPIROM, PHRANAKORN, BANGKOK, 10200 THAILAND PHONE : +66 - 2 - 222 9181 FAX : +66 - 2 - 224 6795</p>	<p>SINGAPORE</p> <p>WO KEE HONG DISTRIBUTION PTE LTD No.1 JALAN KILANG TIMOR #08-03 PACIFIC TECH CENTRE SINGAPORE 159303 PHONE : +65 6376 0338 FAX : +65 6376 0166</p>
<p>NEW ZEALAND</p> <p>WILDASH AUDIO SYSTEMS NZ 14 MALVERN ROAD MT ALBERT AUCKLAND NEW ZEALAND PHONE : +64 - 9 - 8451958 FAX : +64 - 9 - 8463554</p>	<p>TAIWAN</p> <p>PAI- YUING CO., LTD. 6 TH FL NO, 148 SUNG KIANG ROAD, TAIPEI, 10429, TAIWAN R.O.C. PHONE : +886 - 2 - 25221304 FAX : +886 - 2 - 25630415</p>	<p>MALAYSIA</p> <p>WO KEE HONG ELECTRONICS SDN. BHD. 2ND FLOOR BANGUNAN INFINITE CENTRE LOT 1, JALAN 13/6, 46200 PETALING JAYA SELANGOR DARUL EHSAN, MALAYSIA PHONE : +60 - 3 - 7954 8088 FAX : +60 - 3 - 7954 7088</p>
<p>JAPAN Technical</p> <p>MARANTZ JAPAN, INC. 35- 1, 7- CHOME, SAGAMIONO SAGAMIHARA - SHI, KANAGAWA JAPAN 228-8505 PHONE : +81 42 748 1013 FAX : +81 42 741 9190</p>	<p style="text-align: center;">日本マランツ株式会社</p> <p style="text-align: center;">本社 〒228-8505 神奈川県相模原市相模大野7-35-1</p>	<p>KOREA</p> <p>MK ENTERPRISES LTD. ROOM 604/605, ELECTRO-OFFICETEL, 16-58, 3GA, HANGANG-RO, YONGSAN-KU, SEOUL KOREA PHONE : +822 - 3232 - 155 FAX : +822 - 3232 - 154</p>

SHOCK, FIRE HAZARD SERVICE TEST :

CAUTION : After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

PRODUCT SPEC.

Model	LC3050	
Main body	Horizontal size 850 mm	Thickness 244.6 mm
	Height 540 mm	Weight 14.6 kg
Power requirements	DC 24V/6.0A	
Television system	PAL-BG, I, DK/ SECAM-BG, DK, L	
Television programme	VHF: 2~13 UHF: 21~69 Cable: S1~S41	
LCD Panel	30" wide TFT LCD panel	
Power consumption	MAX. 130W	
External antenna impedance	75Ω	
Audio output	10W + 10W	
External IN/OUT ports	<ul style="list-style-type: none"> <li style="width: 50%;">• DVI-IN 1^{*1} <li style="width: 50%;">• S-VIDEO IN 1 <li style="width: 50%;">• HEADPHONE JACK 1 <li style="width: 50%;">• PC IN 1 <li style="width: 50%;">• PC AUDIO IN 1 <li style="width: 50%;">• SCART 2 <li style="width: 50%;">• POWER IN 1 <li style="width: 50%;">• ANTENNA IN 1 <li style="width: 50%;">• SUB WOOFER OUT 1 	
AC Power Adaptor	AC 100-240V, 5.0A, 50/60Hz, OUTPUT : 24VDC., 6.0A	

***1 Compatible with HDCP.**

Supported Signals

- 640 x 480P @ 60Hz
- 1280 x 720P @ 50/60Hz
- 1920 x 1080I @ 50/60Hz
- 720 x 480P @ 60Hz
- 720 x 576P @ 50Hz

Note: In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc...). If you do experience such a problem please contact Marantz Service Center, Inc. and also the manufacturer of the source equipment.

SAFETY PRECAUTIONS

!! Import ant Safety Notice !!

Many electrical and mechanical parts in this chassis have special safety-related characteristics.

These parts are identified by in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

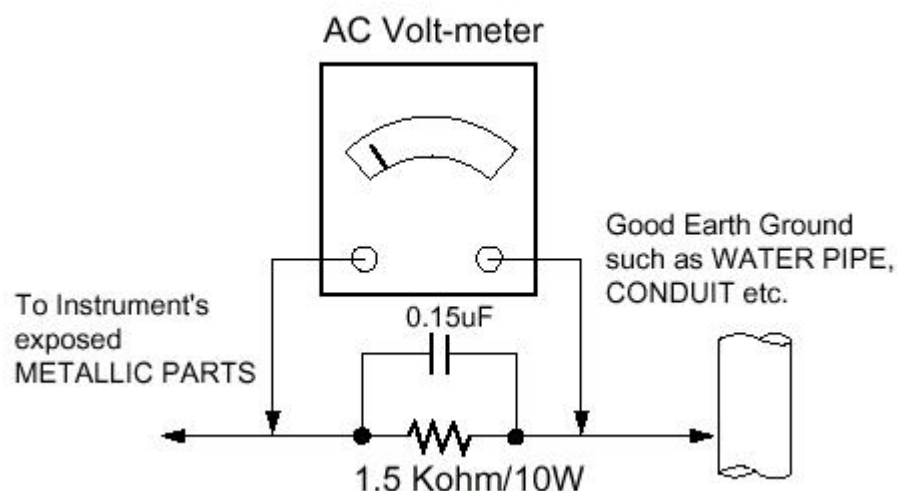
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug of the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS, which is, corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION!!

Before servicing receivers covered by this service manual, read and follow the SAFETY PRECAUTIONS on page 2 of this publication.

General Servicing Precautions

1. Always unplug the receiver AC power cord from AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
- CAUTION!! A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
2. Do not spray chemicals on or near this receiver or any of its assemblies.
 3. Do not defeat any plug/socket voltage interlocks with which receivers covered by this service manual might be equipped.
 4. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead. Always remove the test receiver ground lead last.
 5. Do not connect the test fixture ground strap to power supply heatsink in this receiver

Electrostatically Sensitive(ES) Devices

Some semiconductor(solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive(ES) Device. Examples

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

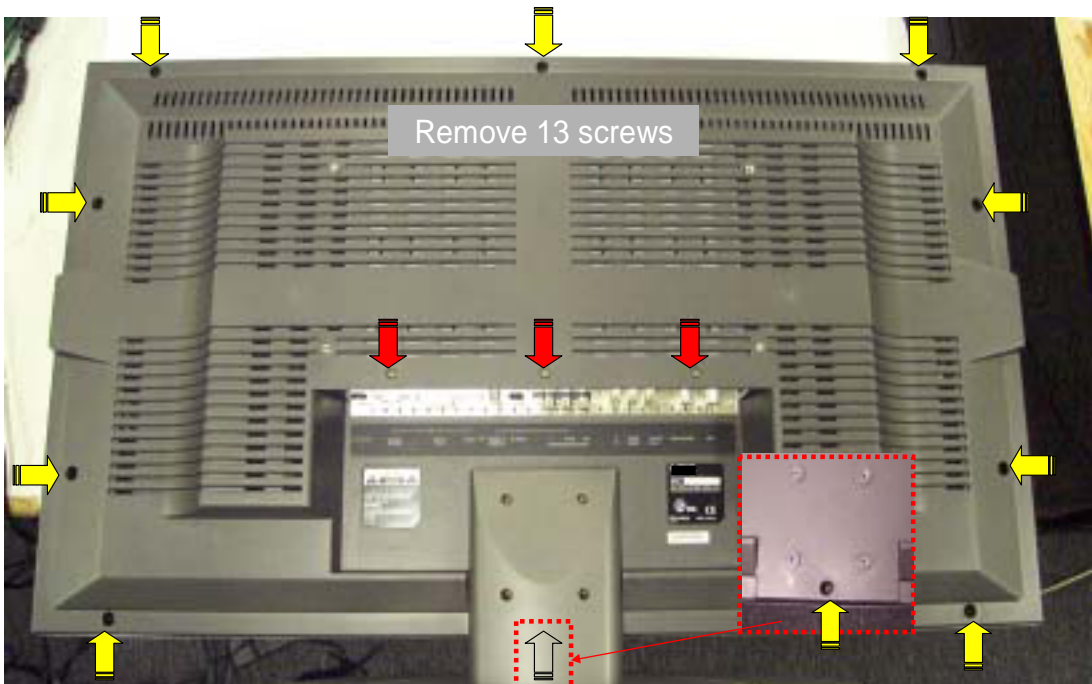
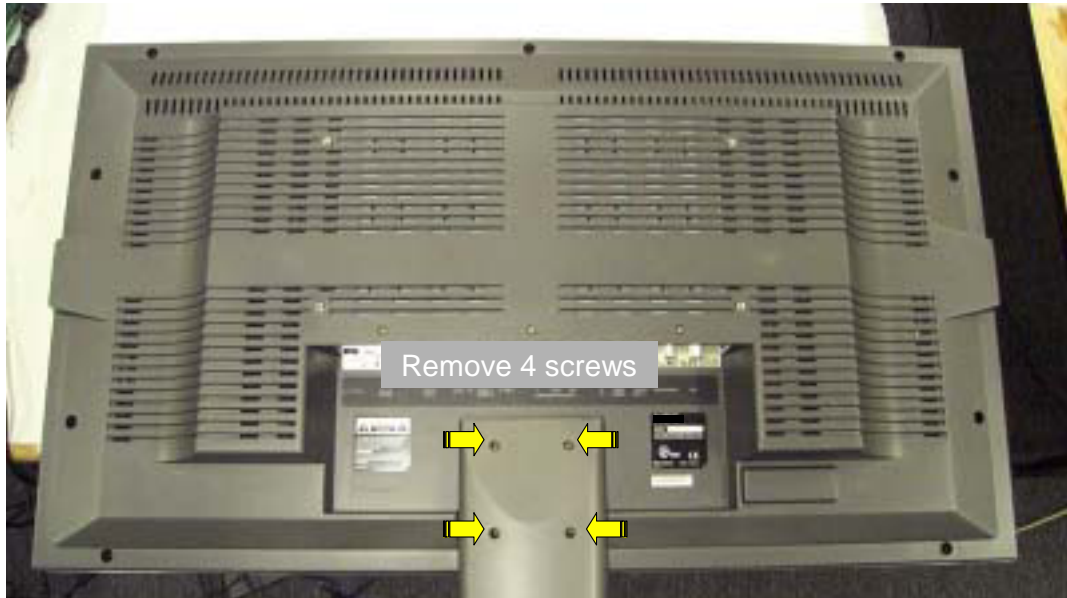
At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board.(Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife.(Remove only as much copper as absolutely necessary.)
2. Carefully scratch away the solder resist and acrylic coating(if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

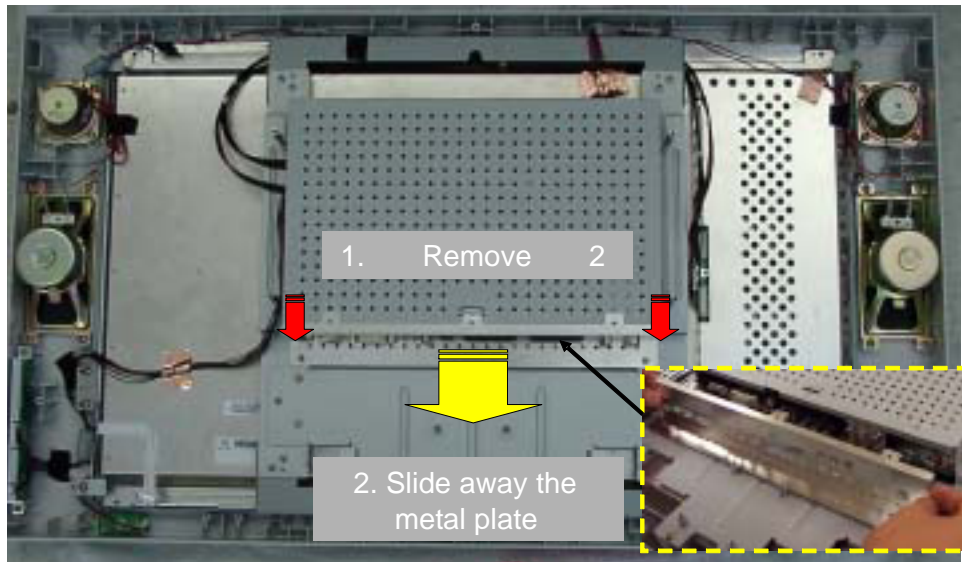
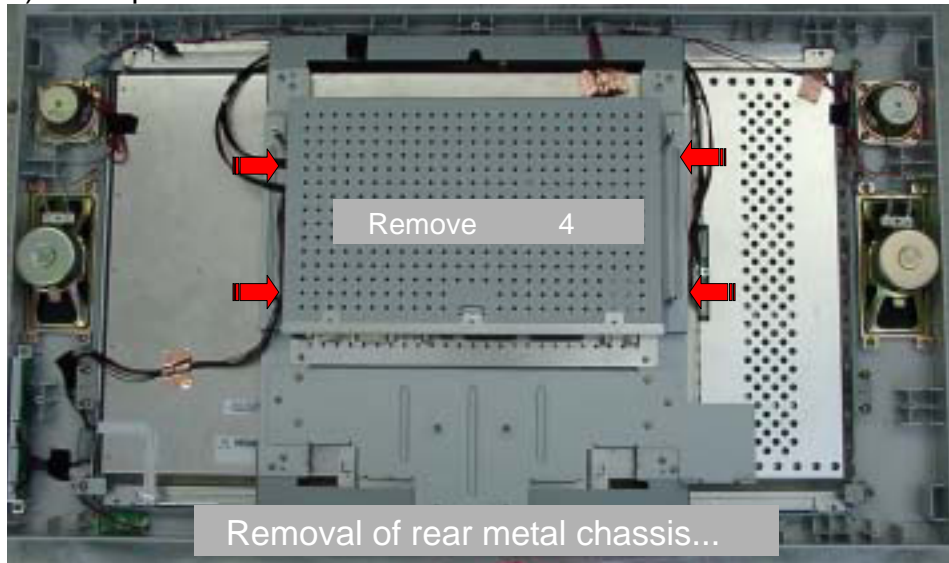
DISASSEMBLY PROCEDURE

Disassembly procedure
1). Back cover



DISASSEMBLY PROCEDURE

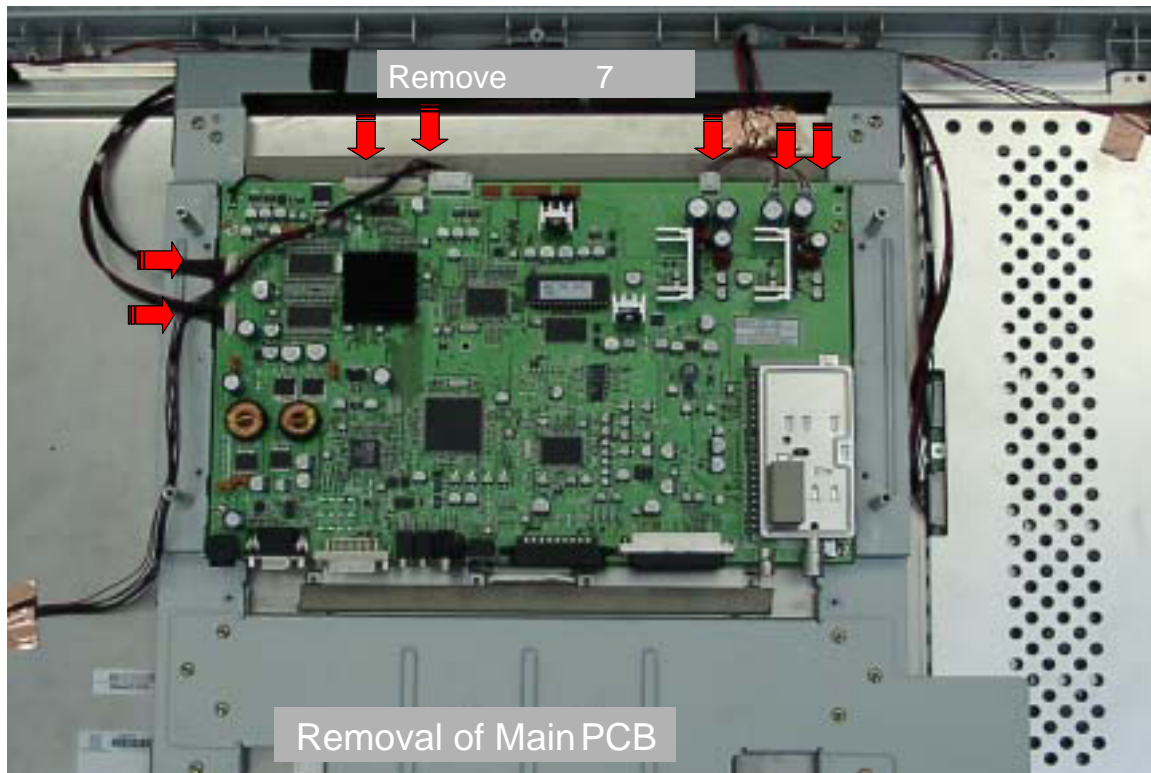
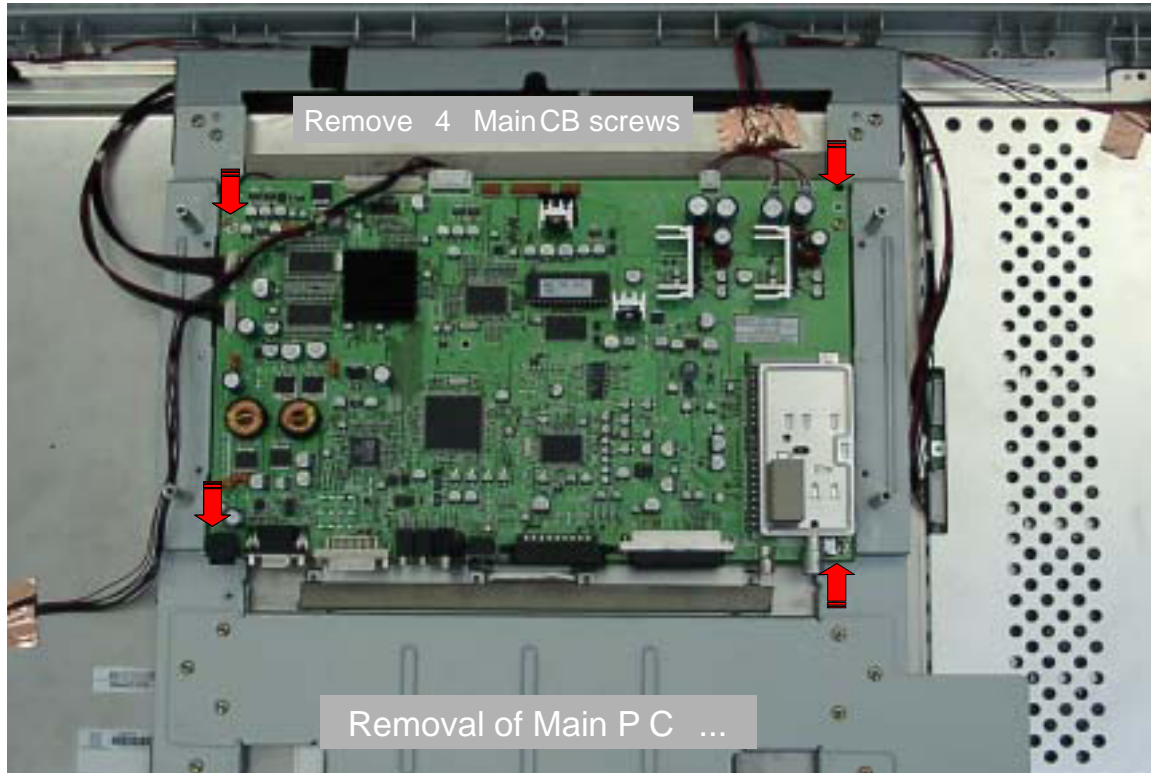
2).Metal plate & Rear chassis



Removal of Terminal metal plate

DISASSEMBLY PROCEDURE

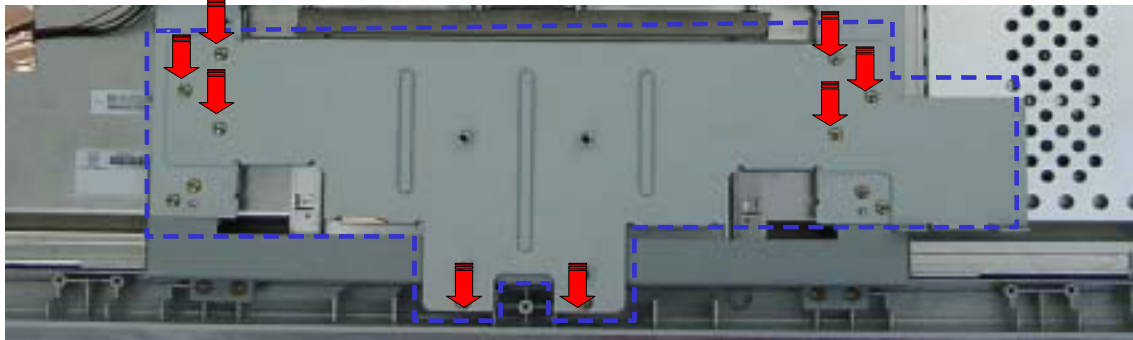
3).Main PWB & Connectors



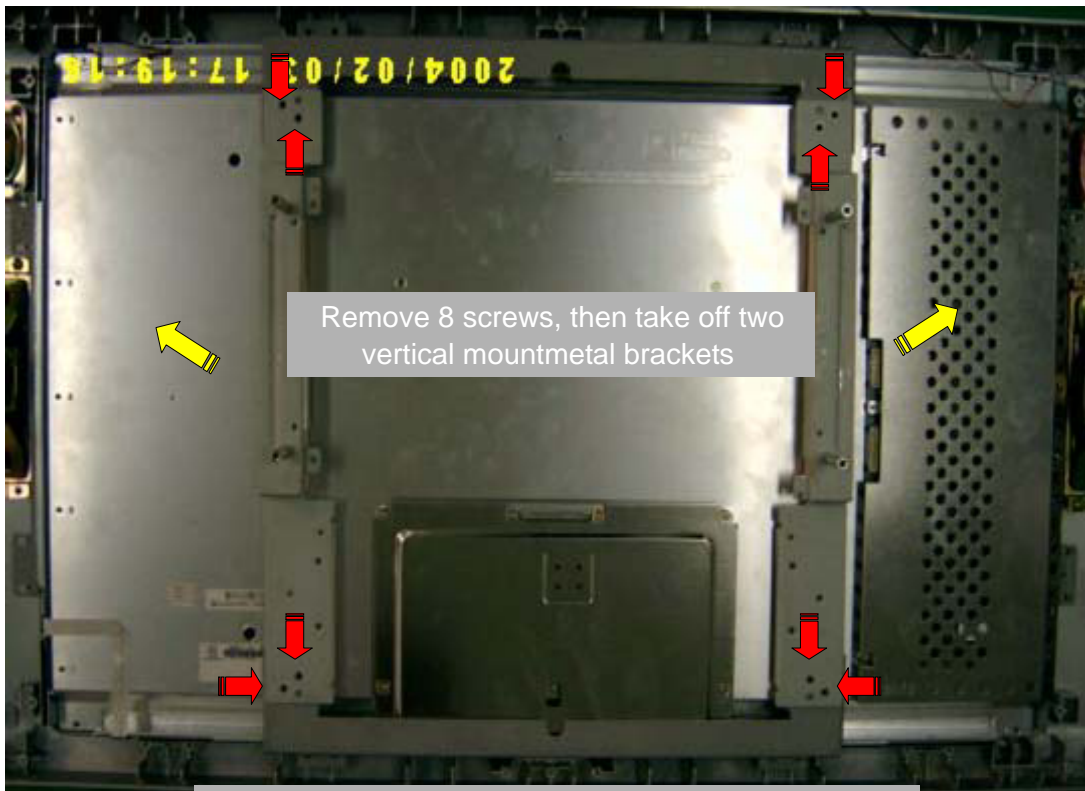
DISASSEMBLY PROCEDURE

4).LCD Panel chassis

Remove 8 screws, then take off sub-metal



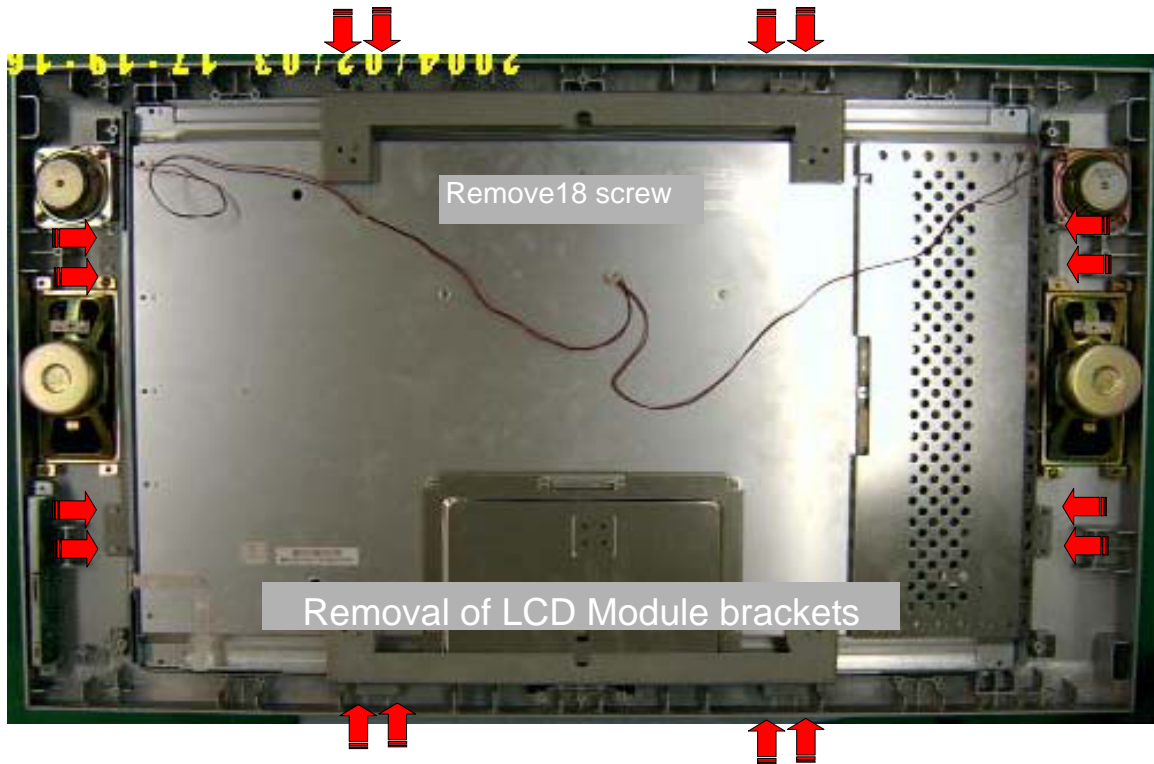
Removal of LCD Module sub-bracket



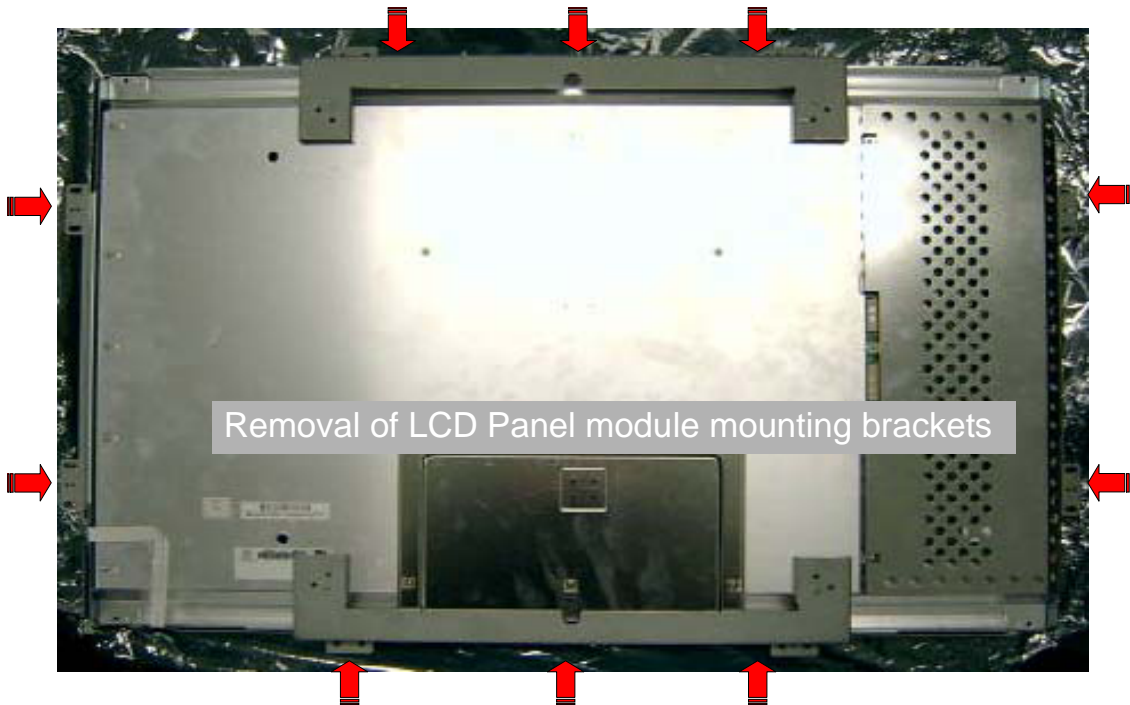
Removal of LCD Module vertical brackets

DISASSEMBLY PROCEDURE

5-1). LCD Moul



Remove 4 brackets, then lift out LCD Module
(move all wire looms away which are attached to the module)



DISASSEMBLY PROCEDURE

5-2).LCD Module



Front mask remains after
removing LCD Module

PARTS LIST

EXPLODED VIEW PARTS LIST

POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PARTS NAME	DESCRIPTION	
A	/N1B	00M47AW248510	00M47AW248510	PANEL ASSY	FRONT PANEL ASSY	AYCALT32A01K
B	/N1B	00M47AW128510	00M47AW128510	STAND ASSY	STAND ASSY	AYSTLT32A01E
3	/N1B	90M-QK000120R	90M-QK000120R	SPEAKER	10W 8OHM	610-005B
4	/N1B	90M-QJ000020R	90M-QJ000020R	SPEAKER	20W 8OHM	610-005A
5	/N1B	90M-ZZ002580R	90M-ZZ002580R	PCB ASSY	CONTROL PCB ASSY & LED PCB ASSY	AYCOLT32A01B
8	/N1B	90M47AW154010	90M47AW154010	KNOB	ON/OFF, MENU, CH, VOL, TV/AV	404-004C
9	/N1B	90M-KZ000030R	90M-KZ000030R	UNIT KIT	LCD PANEL 29" CMO V296W1-L**	PANV296W1L01
15	/N1B	90M-ZZ002590R	90M-ZZ002590R	PCB ASSY	MAIN PCB ASSY	AYMALT35A01E
18	/N1B	90M47AW248020	90M47AW248020	PANEL	REAR PANEL LT-30*EP/*LP	AYBCLT32A01D
				PACKING		
	/N1B	00M47AW851310	00M47AW851310	USER GUIDE	USER GUIDE/N1B	500-031B
	/N1B	00MZK47AW0010	00MZK47AW0010	UNIT KIT	REMOTE CONTROLLER RC3050LC	510-004L
	/N1B	90M-AA000050R	90M-AA000050R	AC ADAPTER	24V/6.0A 1.8M	620-004A
▲	/N1B	90M-ZC000400R	90M-ZC000400R	MAINS CORD	VDE KKP-4819R	621-001B
				NOT STANDARD SPARE PART		
		nsp	00M47AW801010	PACKING CASE	PACKING CASE LC3050/N1B	300-010U
		nsp	90M47AW809010	CUSHION	CUSHION TOP L	310-009E
		nsp	90M47AW809020	CUSHION	CUSHION TOP R	310-009F
		nsp	90M47AW809030	CUSHION	CUSHION BOTTOM L	310-010E
		nsp	90M47AW809040	CUSHION	CUSHION BOTTOM R	310-010F

NOTE : "nsp" PARTS IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

ELECTRICAL PARTS LIST

POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PARTS NAME	DISCRIPTION	
				MAIN PCB		
P1001		90M-YT003940R	90M-YT003940R	TERMINAL	RGB21PIN,VP 381-091B	0JASCART000D
P1002		90M-YT003940R	90M-YT003940R	TERMINAL	RGB21PIN,VP 381-091B	0JASCART000D
P1003		90M-YT003880R	90M-YT003880R	TERMINAL	RCA-1406(W/R)	0JAGE14060BD
P1006		90M-YT003900R	90M-YT003900R	TERMINAL	ST-215	0JAKKST215BD
P1007		90M-YT003900R	90M-YT003900R	TERMINAL	ST-215	0JAKKST215BD
P1008		90M-YT003870R	90M-YT003870R	TERMINAL	WOOFER, RCA-103	0JAGN10300BD
P1009		90M-YT003910R	90M-YT003910R	TERMINAL	S-VHS, PJ6046G	0JAPK6046GBD
P801		90M-YT003920R	90M-YT003920R	TERMINAL	4P POWER	0JASYDC4P0BD
P901		90M-YT003890R	90M-YT003890R	TERMINAL	DAH-15RF-4B4	0JADM15RF00D
P902		90M-YT003930R	90M-YT003930R	TERMINAL	DVI-CON	0JASYDVI29BD
TU1001		90M-AV000390R	90M-AV000390R	TUNER	2IN1 TAFD-S212D	0TULGS212DBD

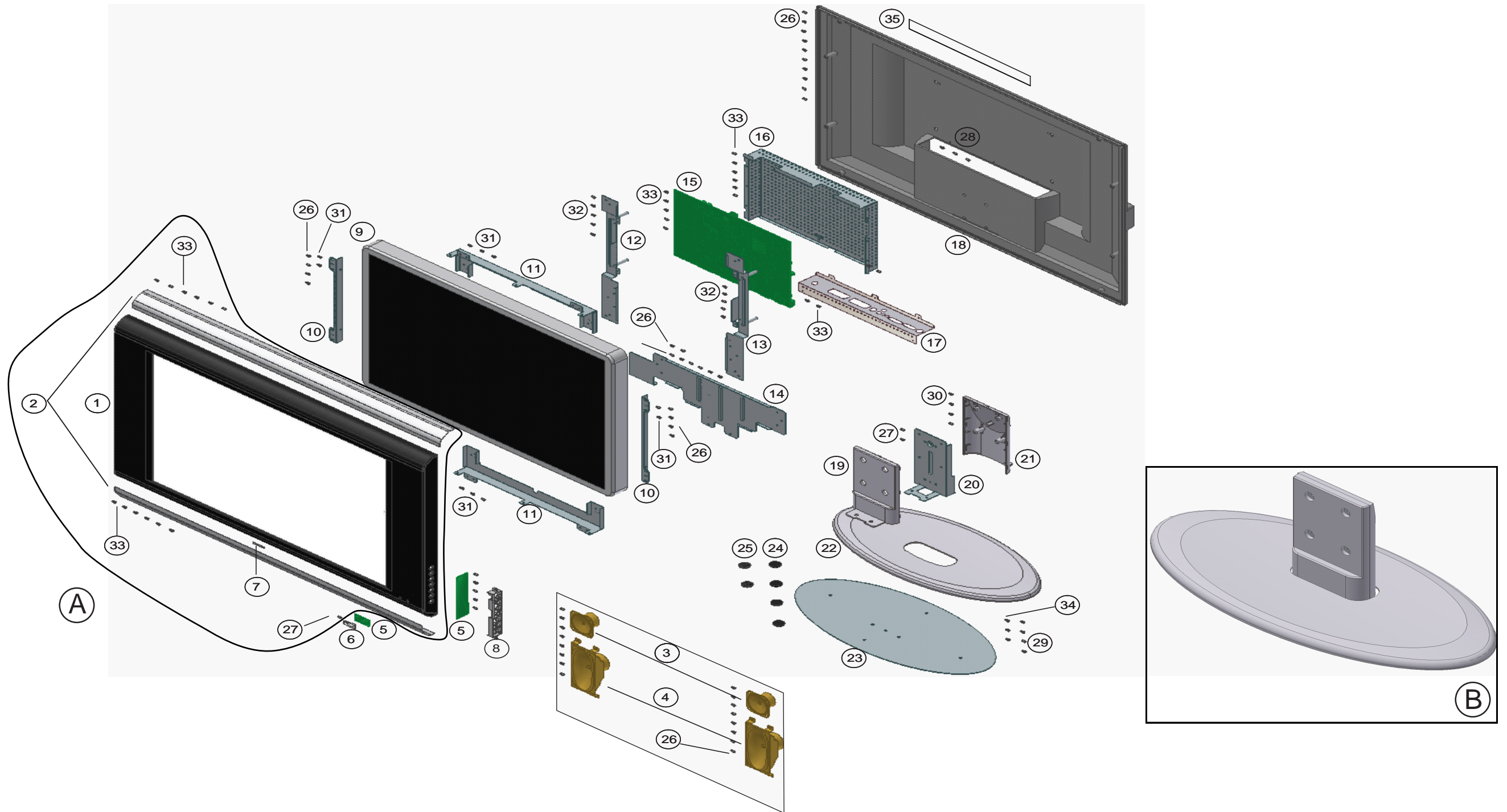
NOTE ON SAFETY :

Symbol ▲ Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol ▲ . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

安全上の注意 :

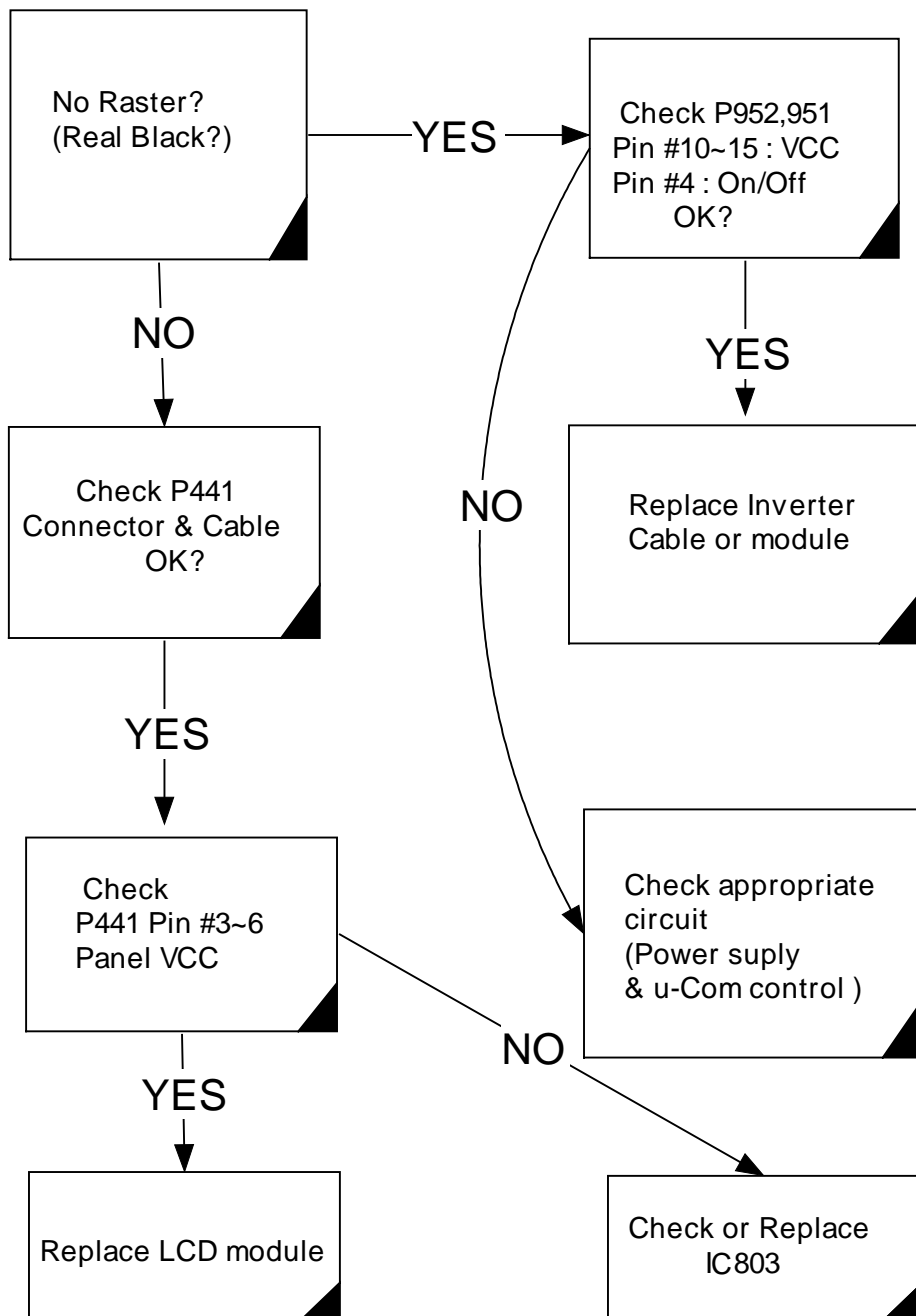
▲がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

MECHANICAL EXPLODED VIEW



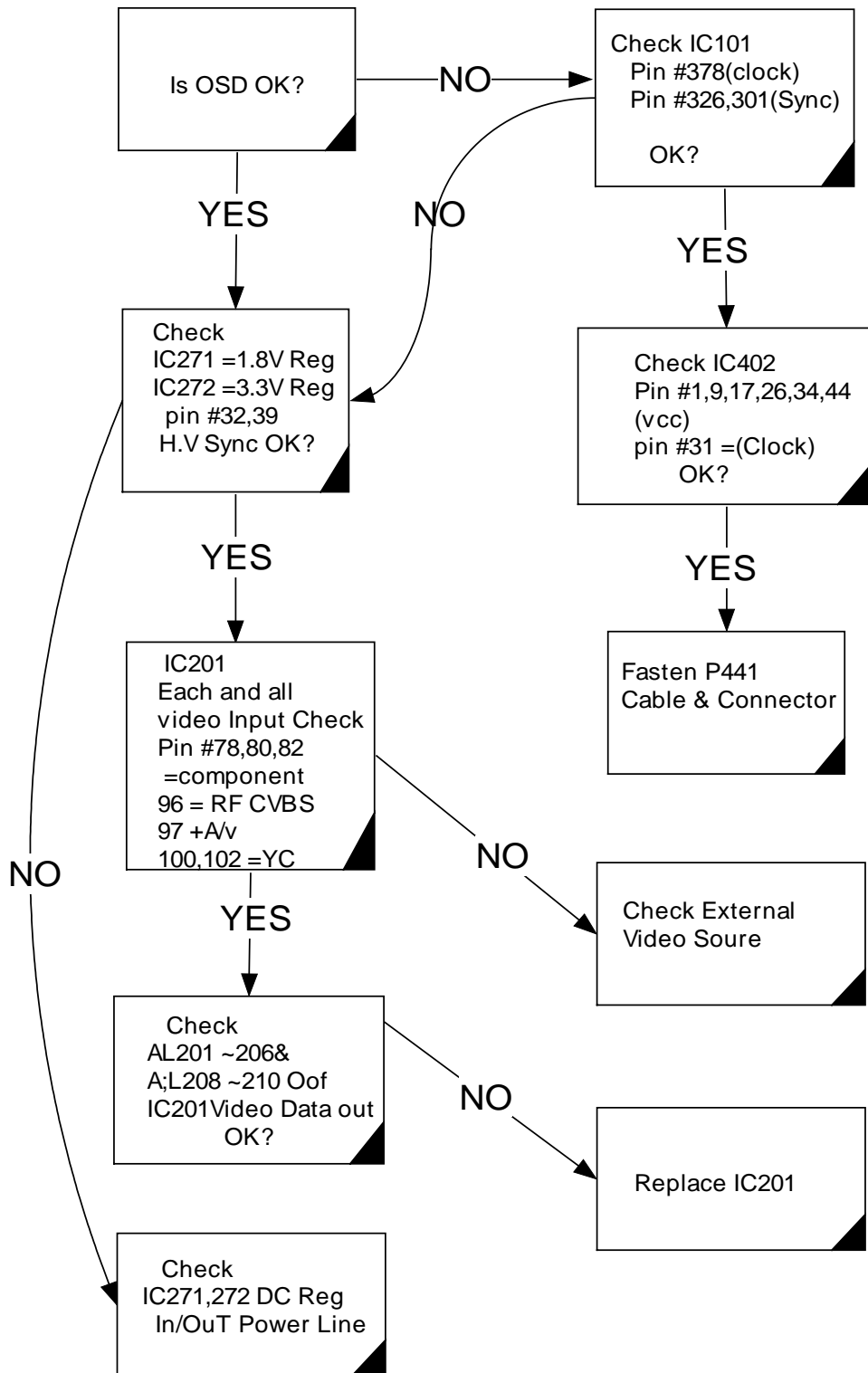
TROUBLE SHOOTING

1. No Raster



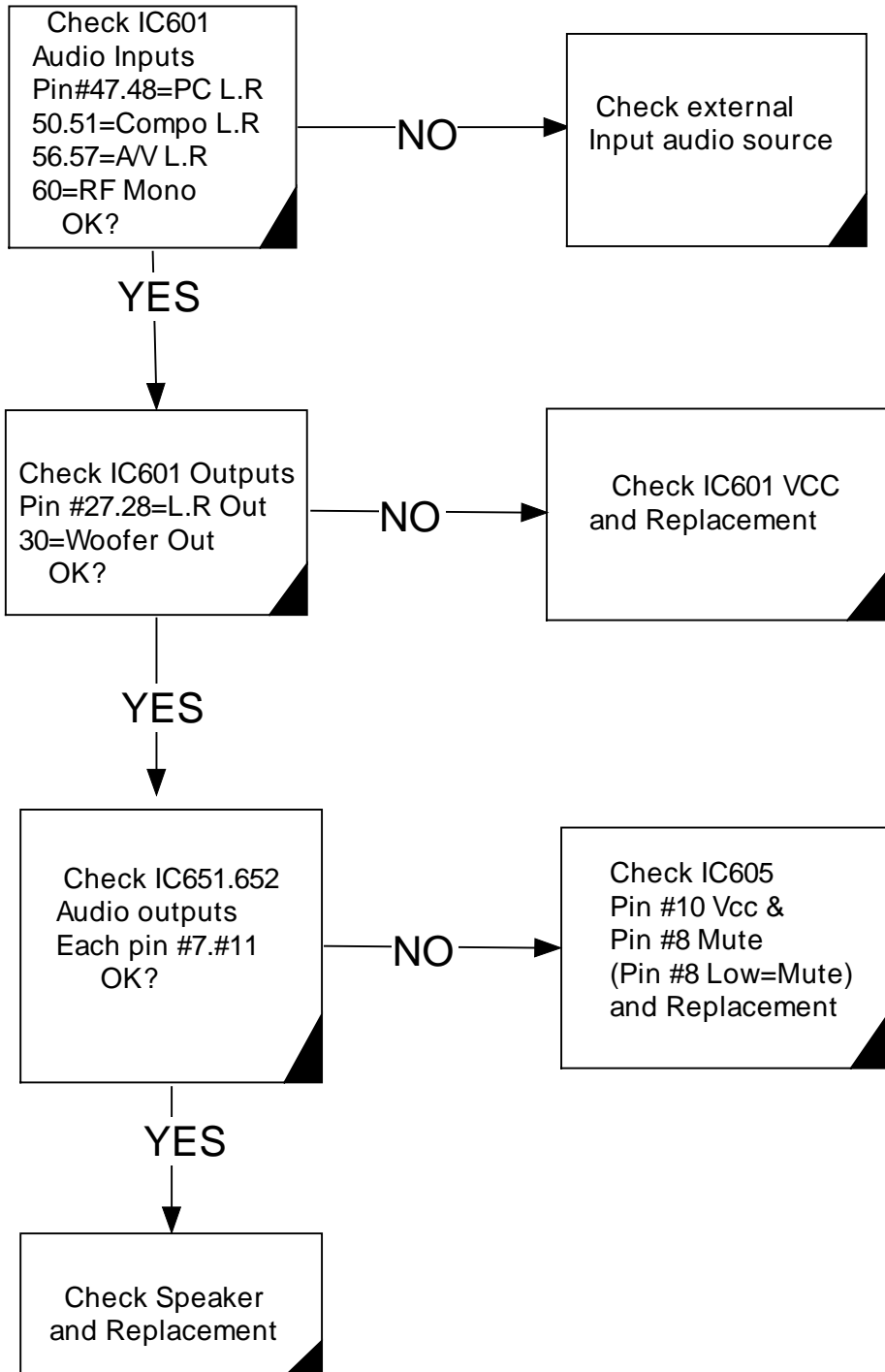
TROUBLE SHOOTING

2. No Picture & Sound OK



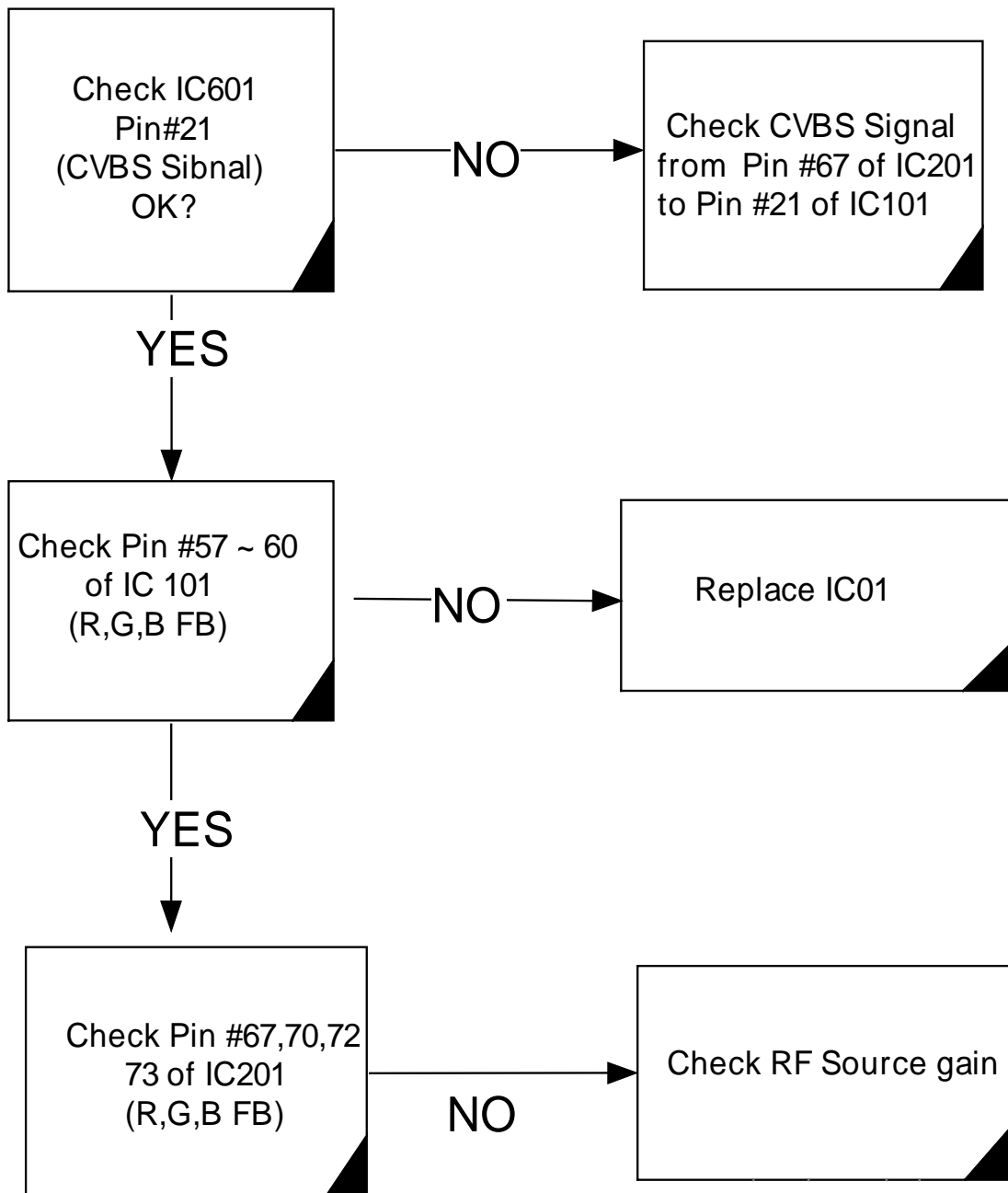
TROUBLE SHOOTING

3. No Sound & Picture OK



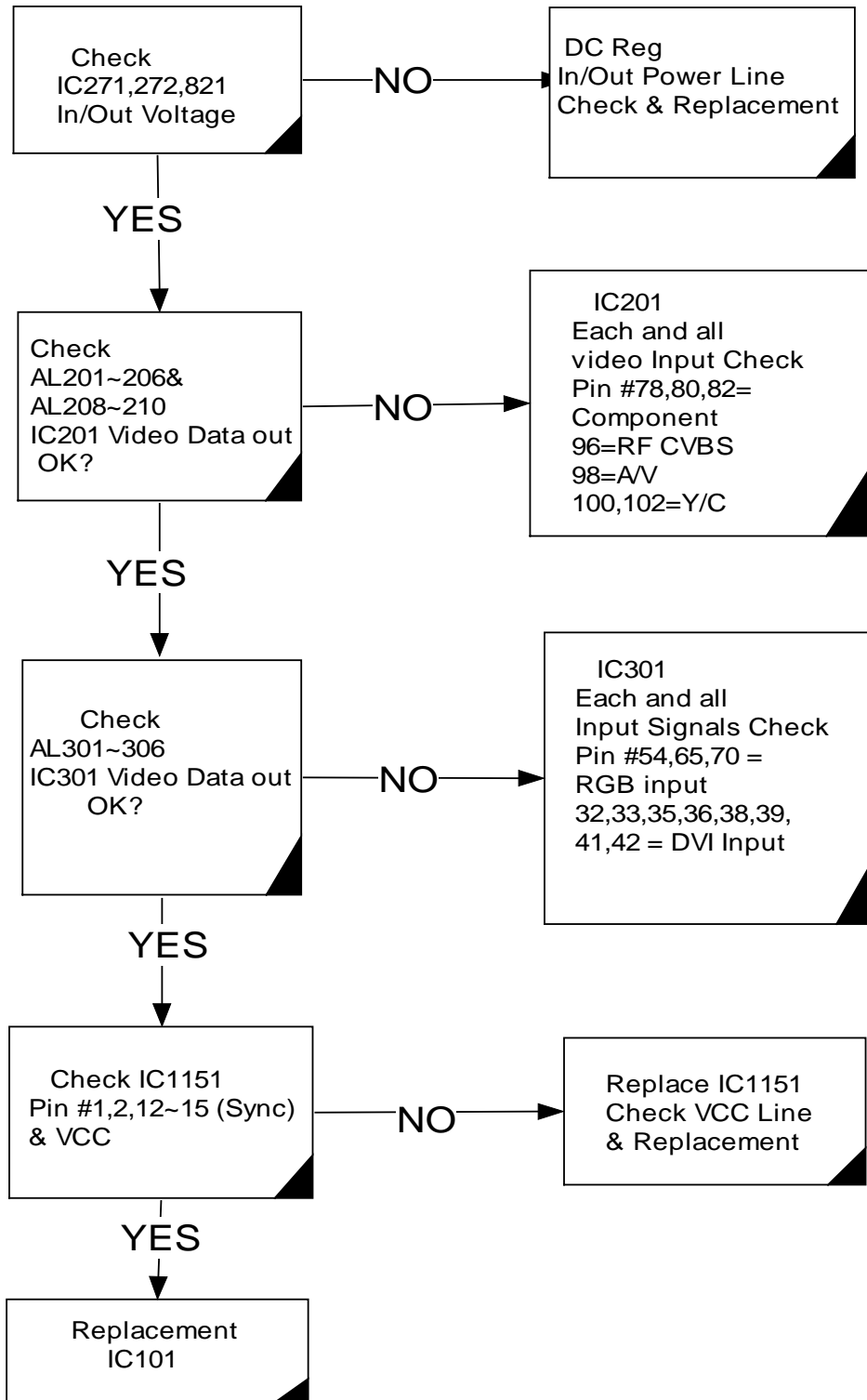
TROUBLE SHOOTING

4. No Text



TROUBLE SHOOTING

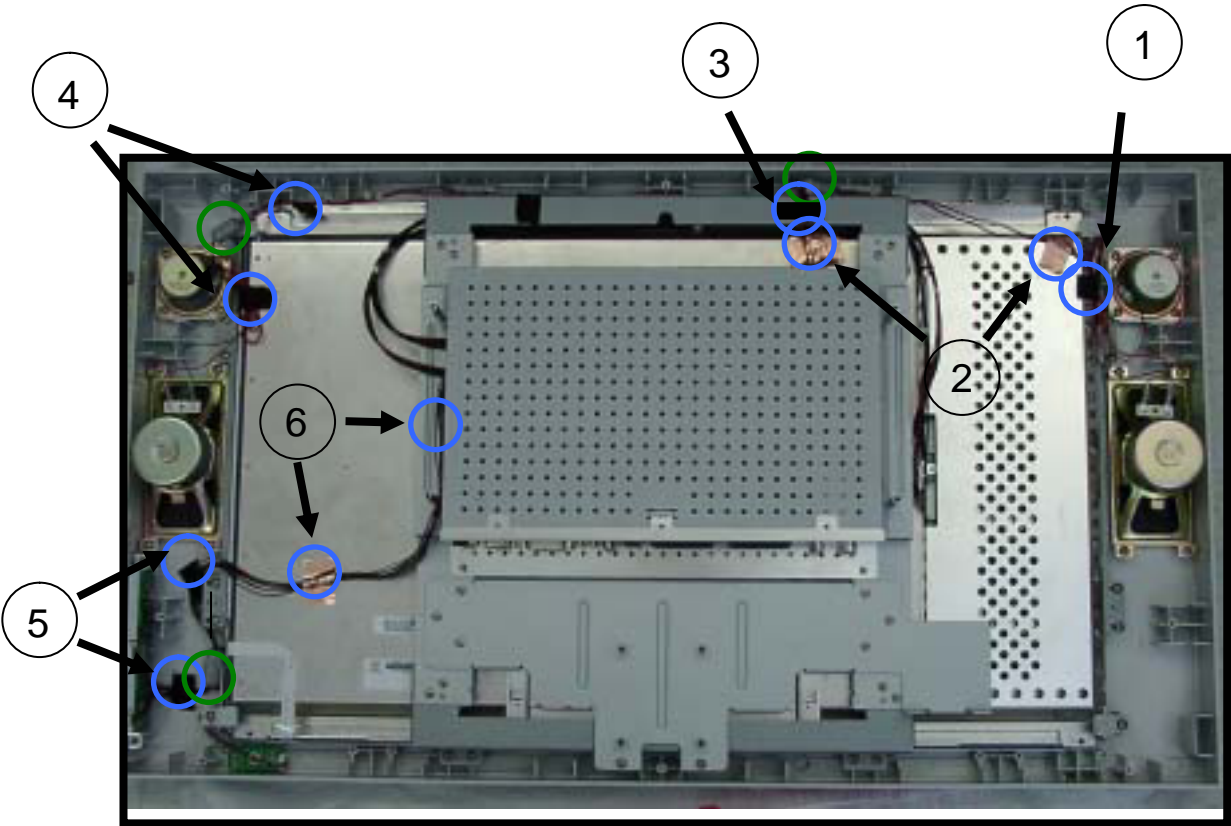
5. No PIP



WIRE DRESSING

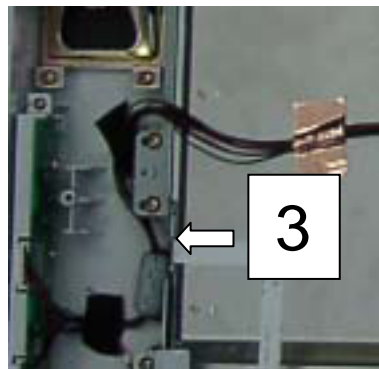
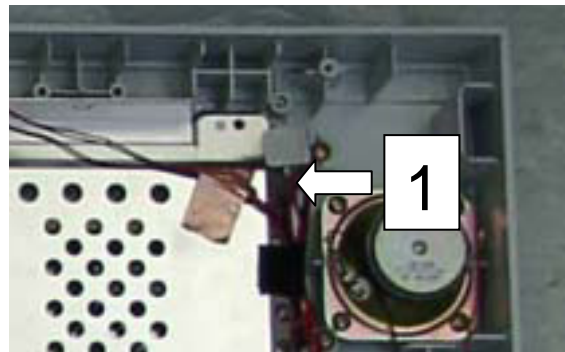
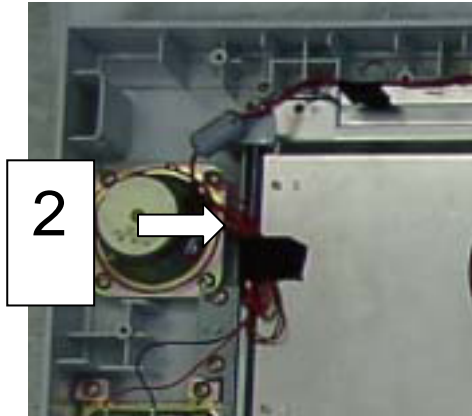
Wire Dressing

Note : Using Acetate Tape No1, No3, No4, No5.
Using Copper Tape No2, No6 (Conducted tape)



WIRE DRESSING

- 1) Wire Dressing for Left speaker & woofer speaker. (No.1)
- 2) Wire Dressing for Right speaker & Woofer speaker. (No.2)
- 3) Wire Dressing for Key control & Power Indicator with IR receiver (No.3)



ADJUSTMENT INSTRUCTION WITH DEFAULT FACTORY DATA

1. SVC mode data Adjustment

NOTE!! When the EEPROM has been replaced, the SVC data should be restored as the function of individual system and specification.

[Enter and exit SVC mode]

Note: into the SVC mode, Initialize with default data.

- 1) Press 5 Seconds MENU buttons on both TV set and Remote Controller at the same time to get into SVC mode.
- 2) Press the Yellow button several times to find SVC Data.
- 3) Input the corresponding SVC data referring to Table below with the Volume Up/down key.
- 4) Press the OK button to memorize the data.
- 5) Press TV/AV button to exit SVC mode

2-1. Factory outgoing setting & Initialize with default data (into the SVC mode).

PAGE	ITEM	Factory outgoing setting	Initialize with default data	Ex	REMARK
DATA 1	AGC	15	15		Variable Data(0-31)
	RD	127	127		PC Contrast Coefficient-RED(0-255)
	GD	127	127		PC Contrast Coefficient-GREEN(0-255)
	BD	127	127		PC Contrast Coefficient-BLUE(0-255)
	RO	79	79		PC Brightness Coefficient-RED(0-63)
	GO	79	79		PC Brightness Coefficient-GREEN(0-63)
	BO	79	79		PC Brightness Coefficient-BLUE(0-63)
	PC CP	5	5		PC Charge Pump(0-7)
	50 PR *				* means current program NO.
DATA 2	FP	52	52		FM Prescaler(0-127)
	NP	122	122		NICAM Prescaler(0-127)
	SP	63	63		SCART Prescaler(0-127)
	S1 VOL	44	44		SCART1 Volume(0-127)
	S2 VOL	44	44		SCART2 Volume(0-127)
		50 PR *			
DATA 3	200PR	0	0	0	100PR
				1	200PR
	TEXT	1	1	0	Not apply to TEXT
				1	Apply to TEXT
	TOP	1	1	0	TELETEXT TOP OFF
				1	TELETEXT TOP ON
	SCART	1	1	0	Apply to COMPONENT
				1	Apply to SCART
	ACMS	1	1	0	Not apply to ACMS
				1	Apply to ACMS
	CH+AU	0	0	0	Used except for CHINESS or AUSTRALIA
				1	Used CHINESS or AUSTRALIA
SYS	1	1	0	BG//DK	
			1	BG//DK/L	
			2	BG//DK/M	
			3	RESERVED	
	50 PR *				* means current program NO.
	106	Opt 1			Translate HEX into DEC(DATA3VALUE1)

ADJUSTMENT INSTRUCTION WITH DEFAULT FACTORY DATA

2-2.SVC Data Table

PAGE	ITEM	Factory outgoing setting	Initialize with default data	Ex	REMARK	
DATA 4	DUAL	0	0	0	Not apply to DUAL option	
				1	Apply to DUAL option	
	MONO	0	0	0	Not apply to MONO option	
				1	Apply to MONO option	
	A2 ST	1	1	0	Not apply to NICAM STEREO option	
				1	Apply to NICAM STEREO option	
	VOL	1	1	0	Sound curve option 1	
				1	Sound curve option 2	
	LANG	7	1	0	ENG ONLY	ENGLISH ONLY
				1	EU-5EA	ENGLISH/GERMAN/FRANCE/ITALY/SPAIN
				2	EU CIS	EU-5EA + CIS
				3	E+CHINA	ENGLISH + CHINESS
				4	EU-12EA	English,German, FRANCE/ITALY/SPAIN, Netherland,Sweden,Norway,Denmark,Finlandi, Portugal, Rumania
				5	N EU 12EA	English , Netherland, Sweden,Norway,Denmark, Finland, Portugal, Rumania, Israel, Hungary, Czech, Russian
				6	YAHOO	YAHOO
				7	EU-6EA	ENGLISH / GERMAN / FRANCE / ITALY/SPAIN / Netherland
				8	KOREA	ENGLISH / KOREA
				9	JAPAN	ONLY SELECT JAPAN
				10	USA	ENGLISH/FRANCE/SPAIN
				11	S-AMERICA	ENGLISH / FRANCE / SPAIN / Netherland
				12	NTSC ENG	ENGLISH
				13	RESERVED	
				14	RESERVED	
	15	RESERVED				
	T-LAN	0	0	0	WEST EU	WESTEU/U.K/GERMAN/FRANCE/ITALY/ SPAIN/SWEDEN/CZECH Rep./NORWAY etc
				1	EAST EU1	POLAND/SLOVENIA/ROMANIA etc
				2	TURKEY EU	TURKEY
				3	EAST EU2	HUNGRY/SERVIA
				4	CYRILLIC1	ESTONIA
				5	CYRILLIC2	ESTONIA
				6	CYRILLIC3	RUSIA/UKRAINE/ESTONIA/CROATIA/KAZAKH STAN
				7	TURK GRE1	
				8	TURK GRE2	
9				TURK GRE3	TURKEY/GREECE	
10				ARAB ERA		
11				ARAB ENG	ARAB CULTURE	
12				ARAB HEB1		
13				ARAB HEB2	ARAB/HEBREW	
14				FARS ENG	PARSI	
15	FARS FRA					
	50 PR *				* means current program NO.	
	57	Opt 2			Translate HEX into DEC(DATA4)	

ADJUSTMENT INSTRUCTION WITH DEFAULT FACTORY DATA

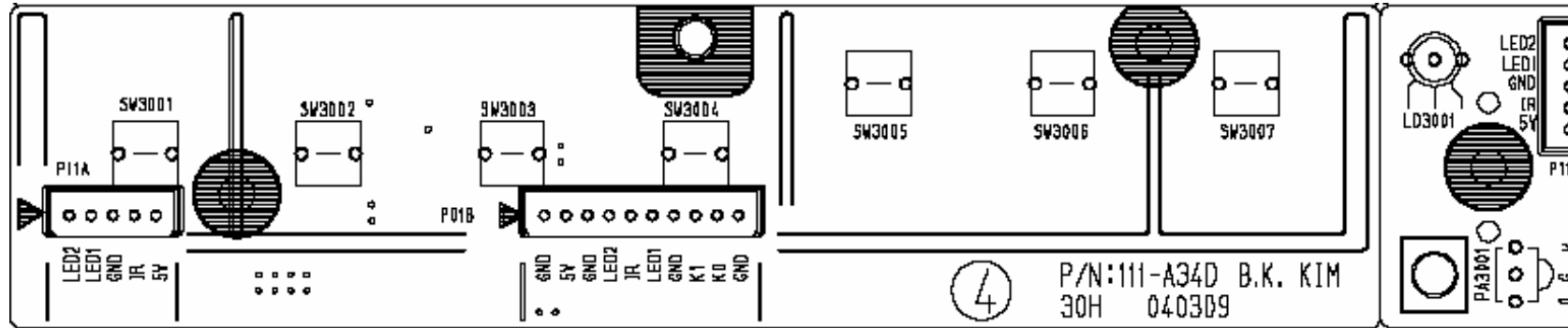
2-3. SVC Data Table

PAGE	ITEM	Factory outgoing setting	Initialize with default data	Ex		REMARK
DATA 5	FVS	1	1			Frequency voltage Disable/Enable(0-1)
	DVI	1	1			Fix (All Model application)
	D-TV	0	0			D-TV Disable/Enable (0-1)
	VCHIP	0	0			Violence Disable/Enable (0-1)
	WOFER	1	1			Fix (All Model application)
	PANEL	4	0	0	LG-30	Used LG- 30 PANEL
				1	LG-23 A2	Used LG- 23 A2 PANEL
				2	LG-23 B2	Used LG- 23 B2 PANEL
				3	CMO-30 1	
				4	CMO-30 2	Used CMO- 30 PANEL
				5	LG A3P5 - 30	Used LG A3P5 - 30 PANEL
				6	SS-26	Used SS- 26 PANEL
				7	RESERVED	
				8	RESERVED	
				9	RESERVED	
				10	RESERVED	
				11	RESERVED	
				12	RESERVED	
				13	RESERVED	
				14	RESERVED	
	15	RESERVED				
	RESET	1	15	0	NEC-A	Save NEC- A TV Channel
				1	Marantz	Save Marantz TV Channel
				2	L-Model	Save L- Model TV Channel
				3	E-Model	Save E-Model TV Chann el
4				M-Model	Save M-Model TV Chann el	
5				KOREA	Save KOREA TV Channel	
6				USA	Save USA TV Channel	
7				RESERVED		
8				RESERVED		
9				RESERVED		
10				RESERVED		
11				RESERVED		
12				RESERVED		
13				RESERVED		
14				RESERVED		
15	RESERVED					
RGBsw	1	0	0	TDA8601	LG PANEL & CMO MULTI	
			1	TEA5114	ONLY CMO PANEL E/L	

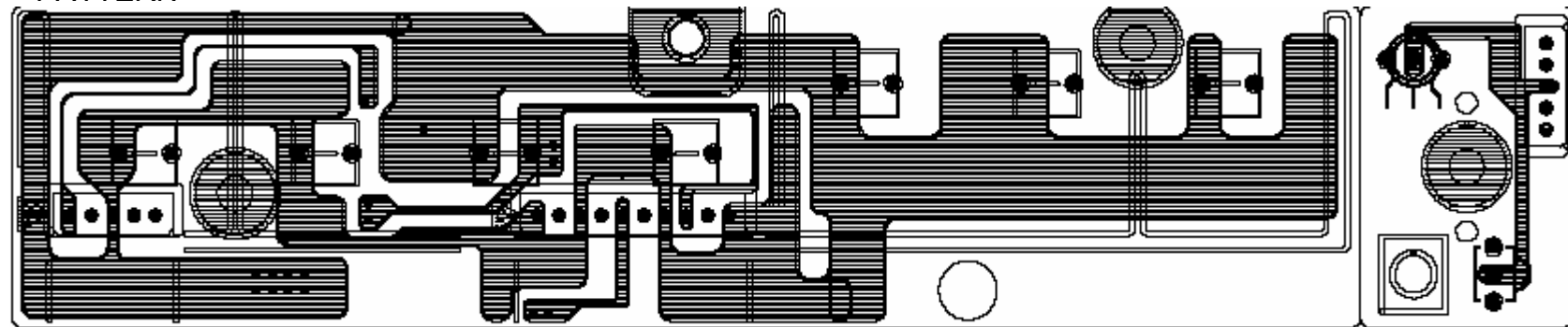
PCB LAYOUT

CONTROL PCB

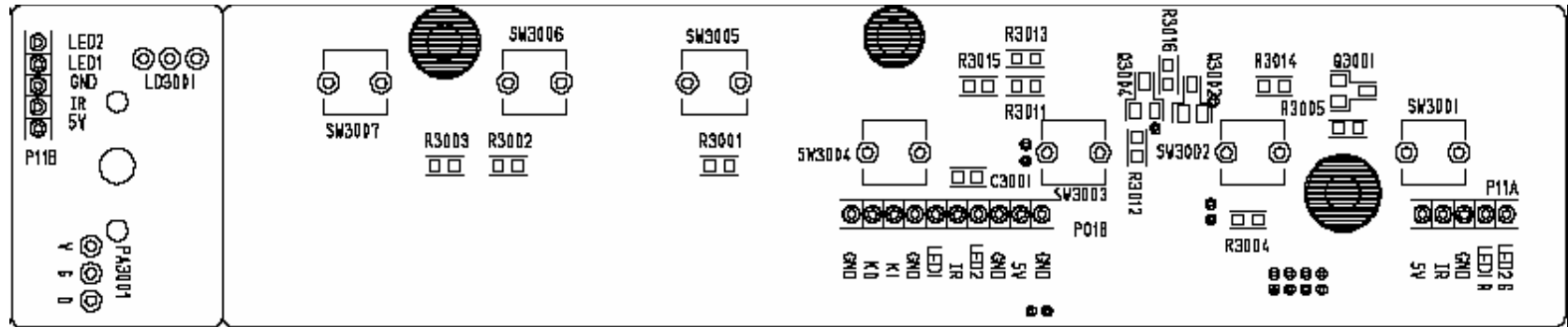
1) TOP
< COMP >



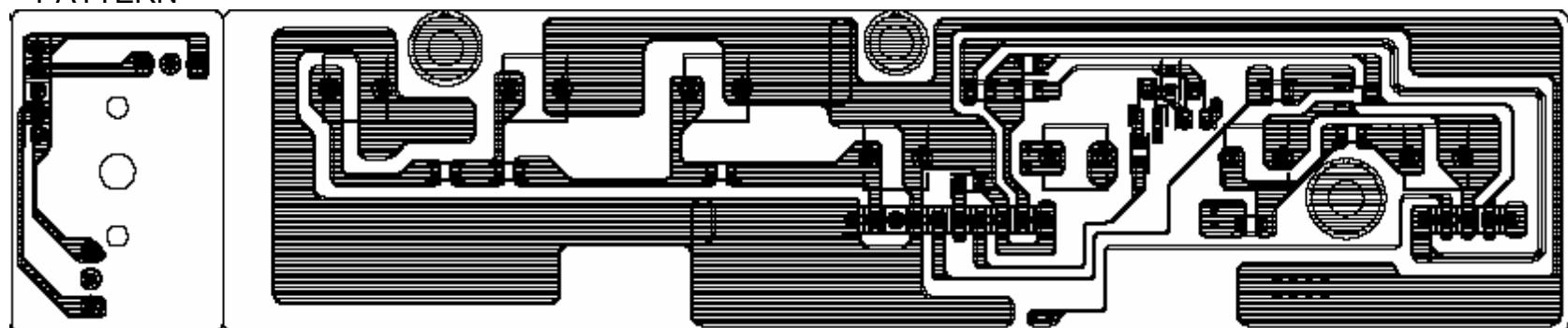
< PATTERN >



2) BOTTOM
< COMP >

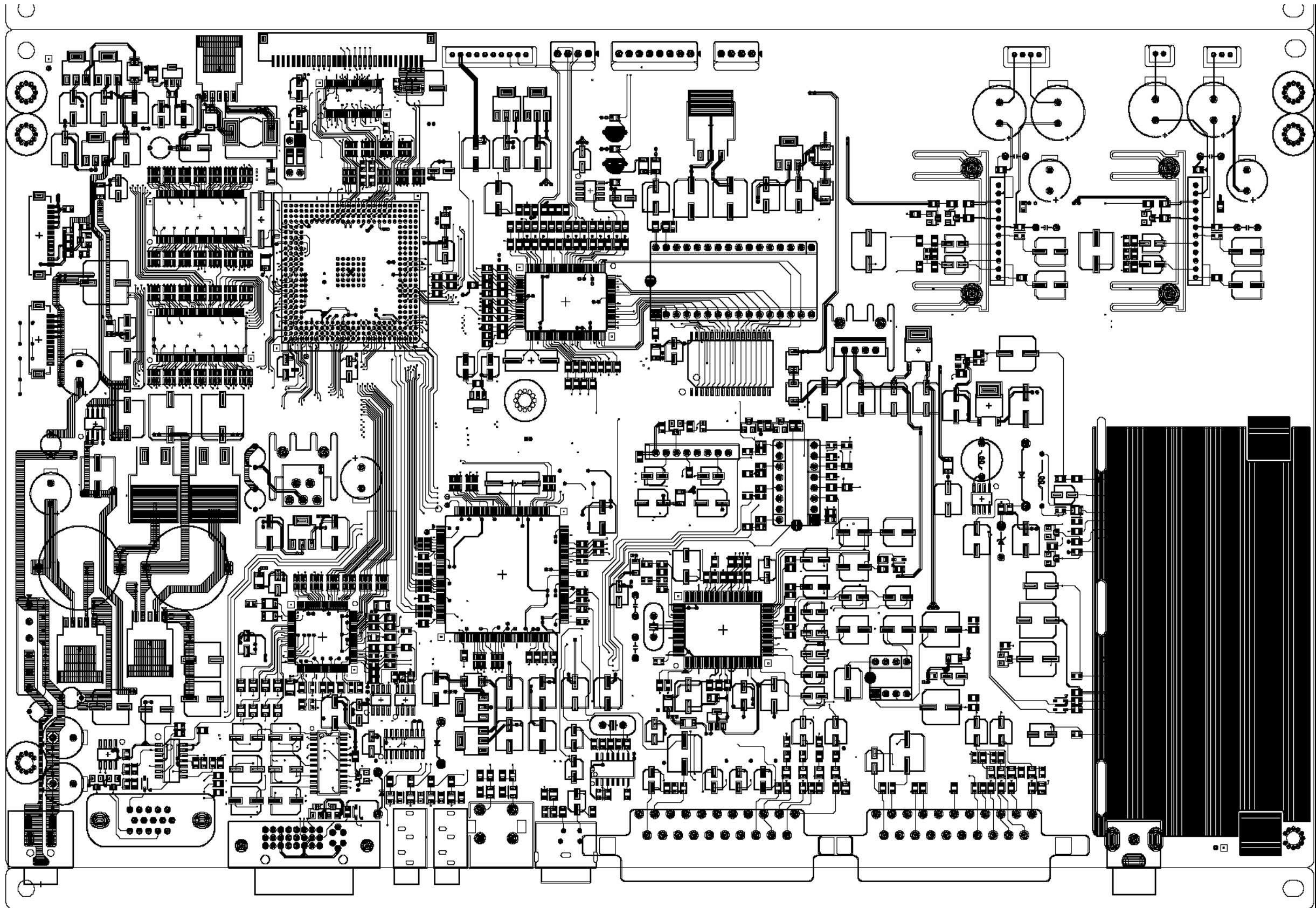


< PATTERN >



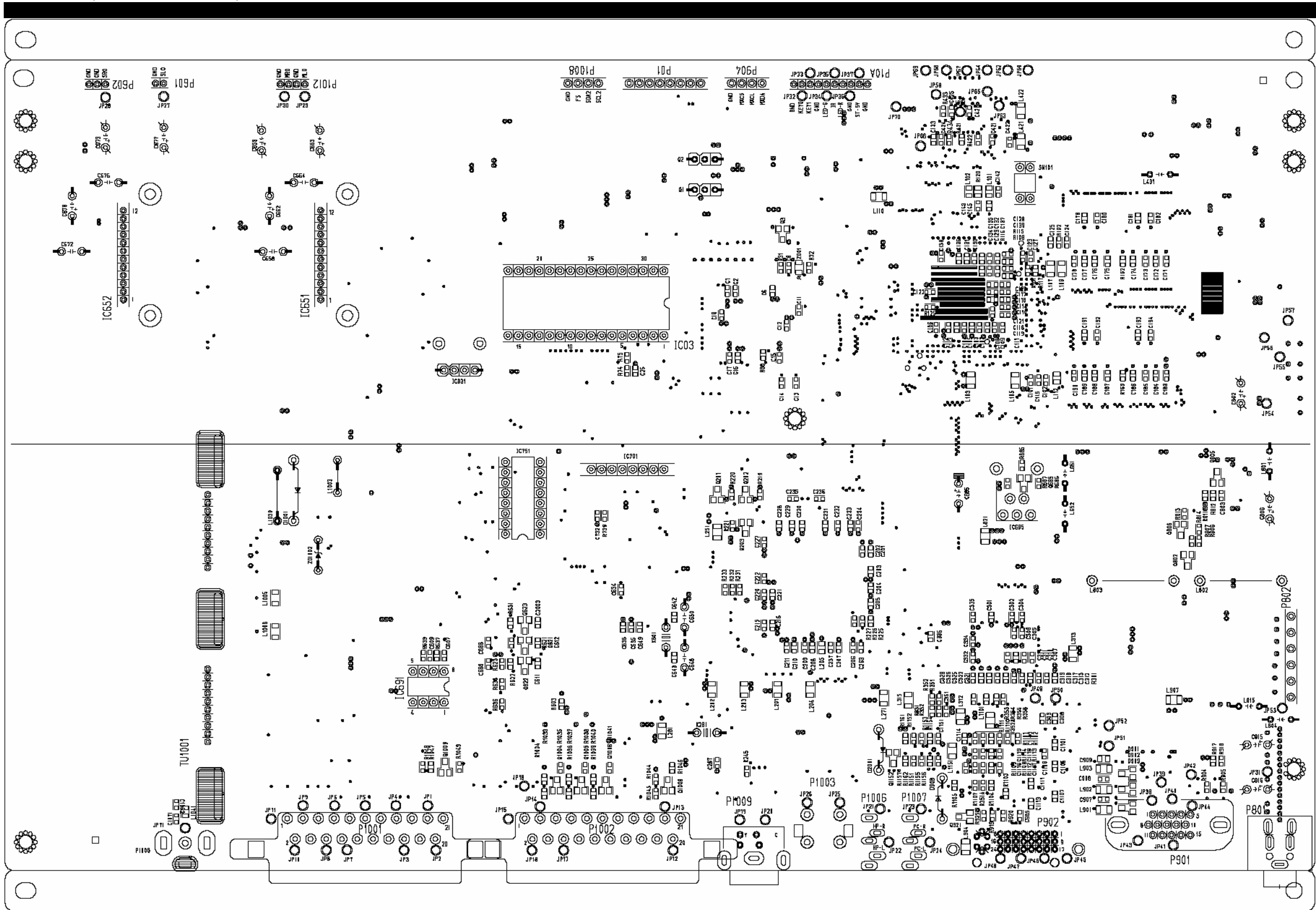
PCB LAYOUT

Main PCB (TOP PATTEN)



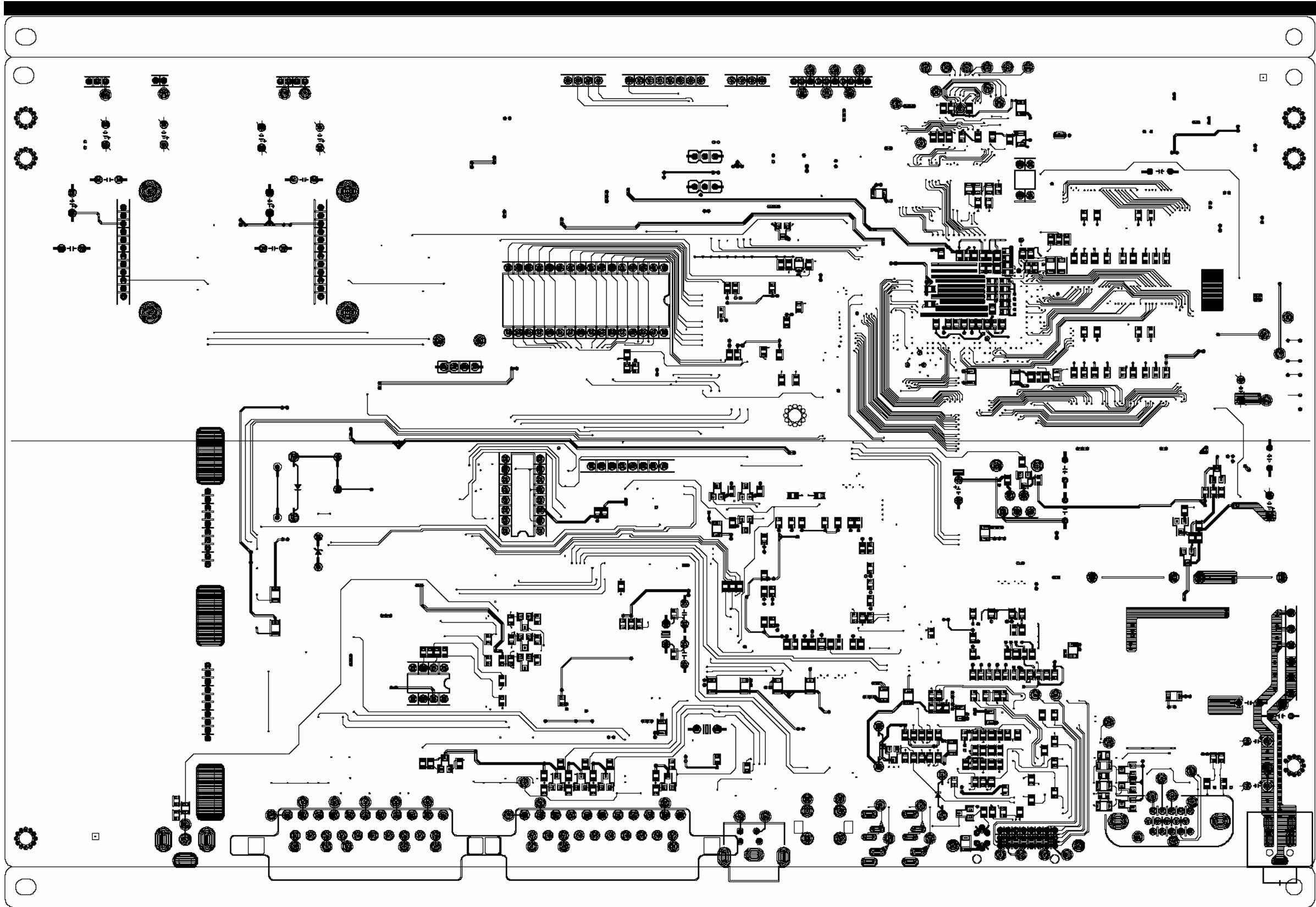
PCB LAYOUT

Main PCB (BOTTOM COMP)

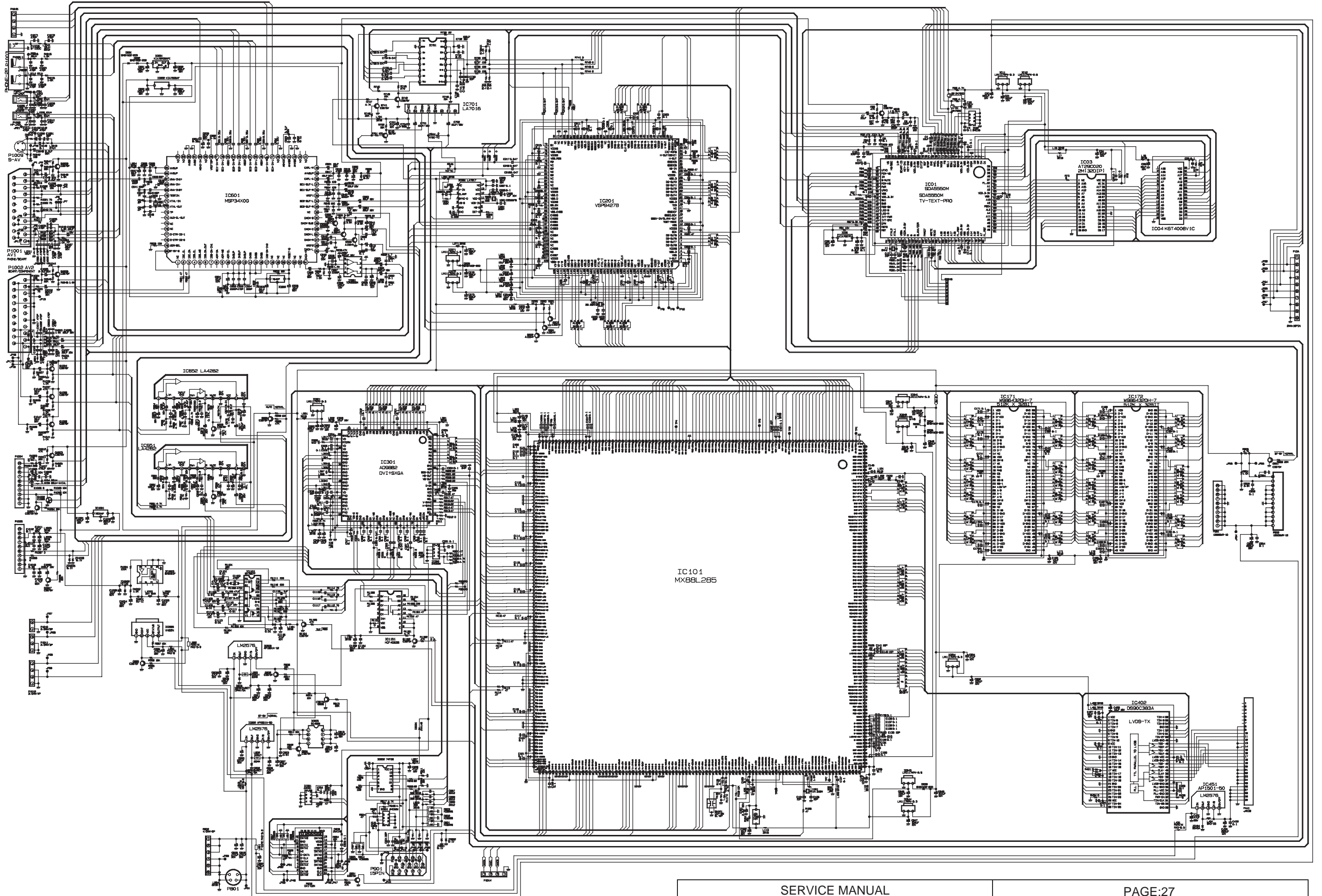


PCB LAYOUT

Main PCB (BOTTOM PATTEN)

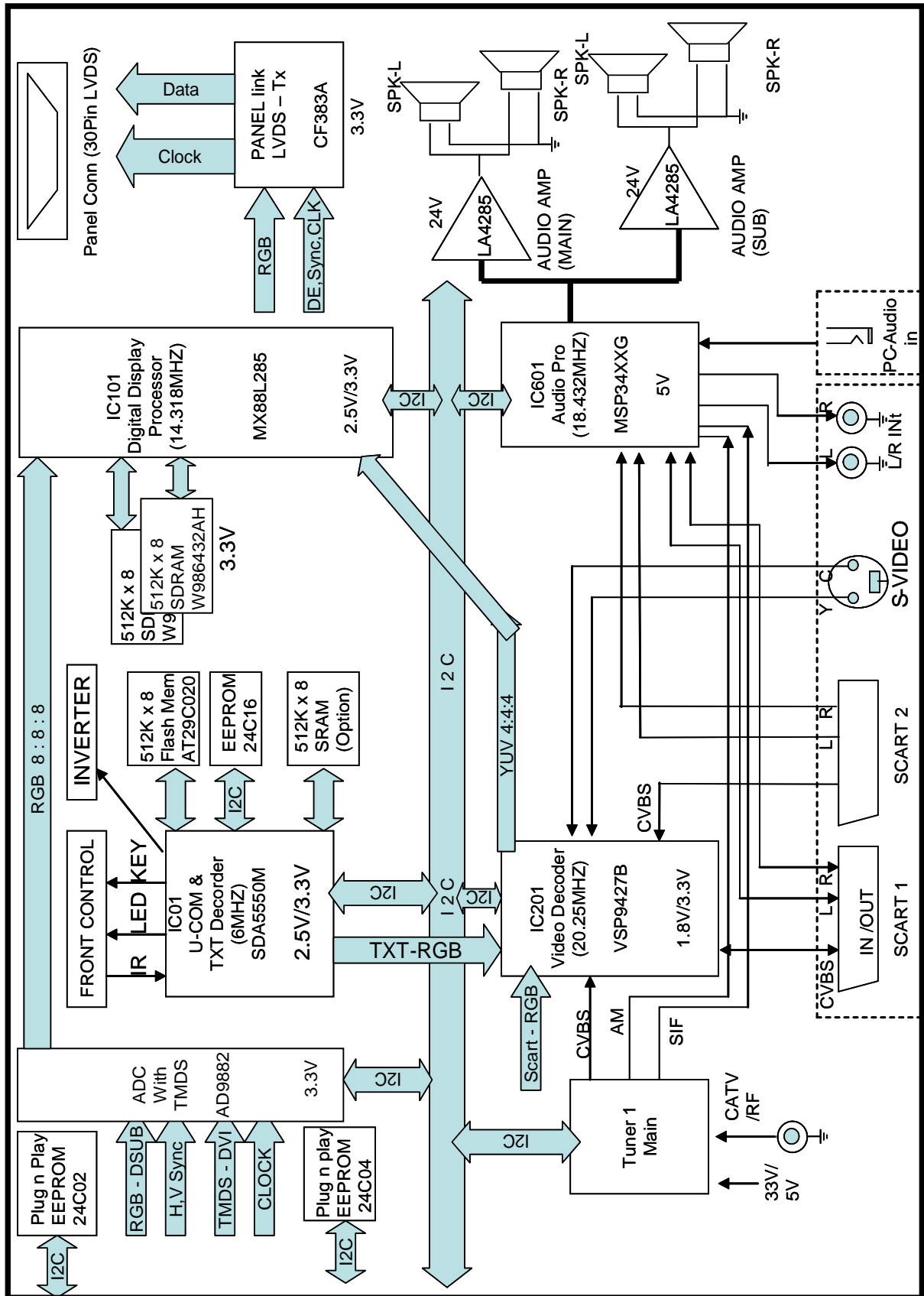


SCHEMATIC DIAGRAM



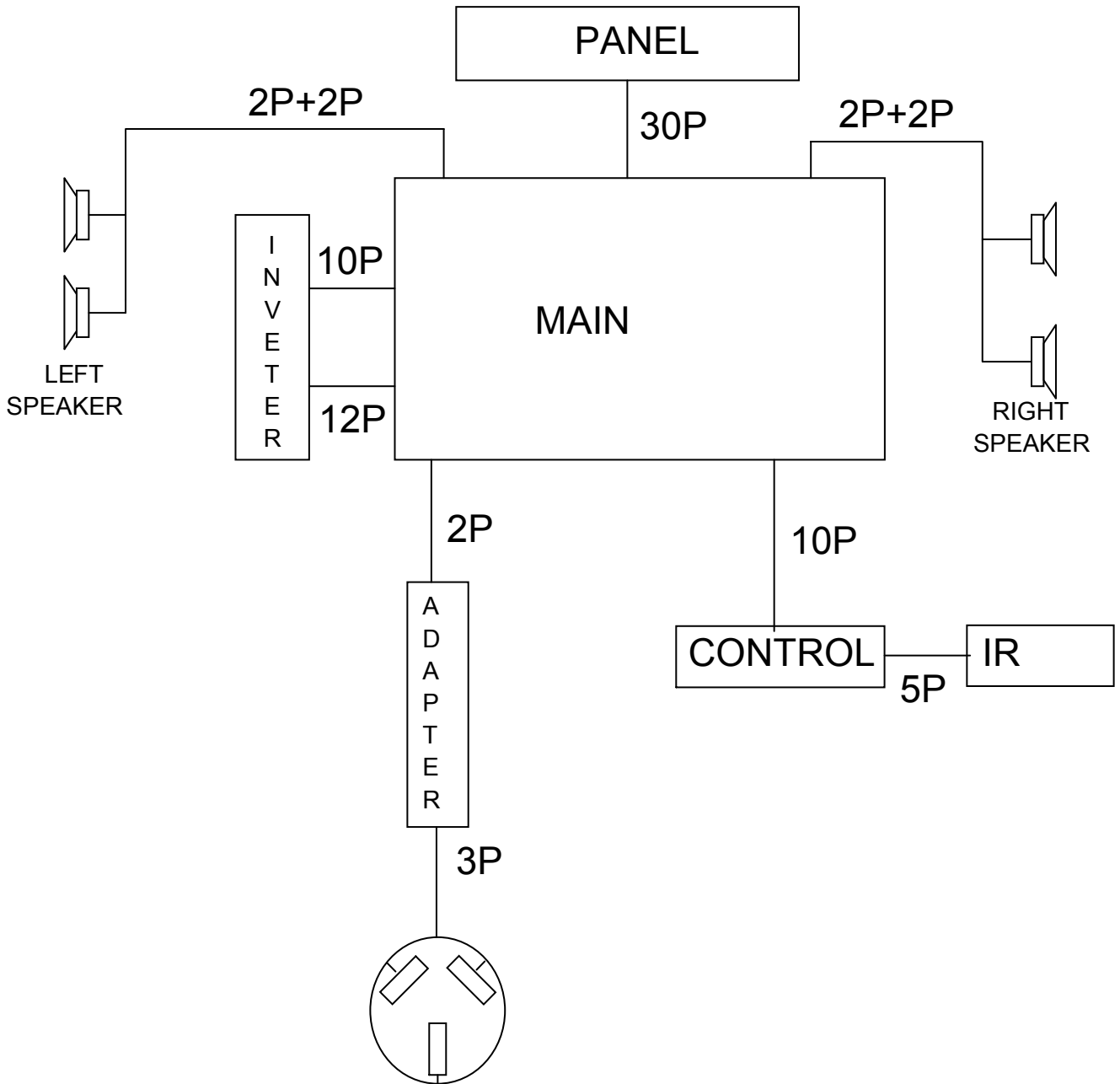
BLOCK DIAGRAM

Block Diagram



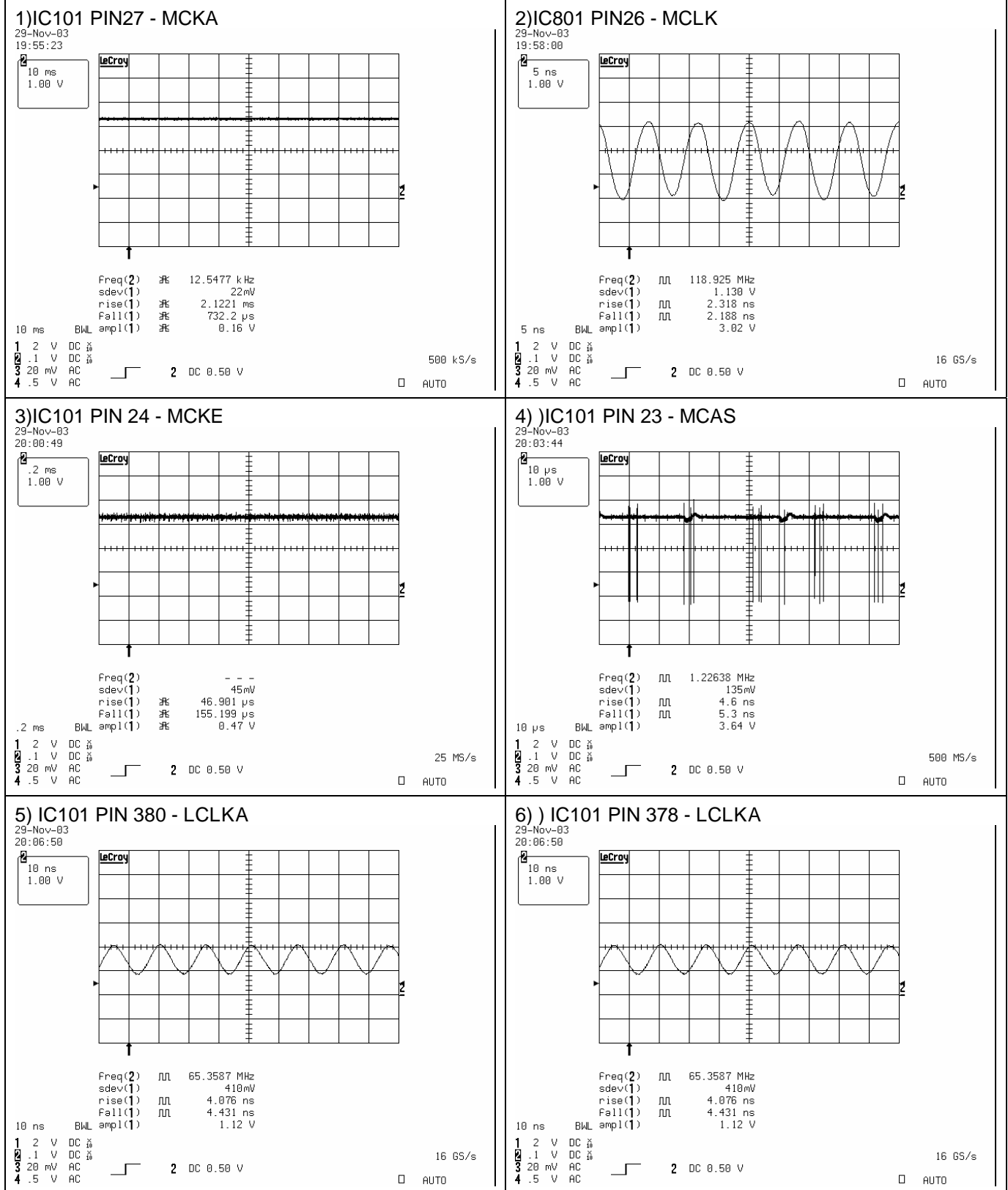
CONNECTION DIAGRAM

Connection diagram



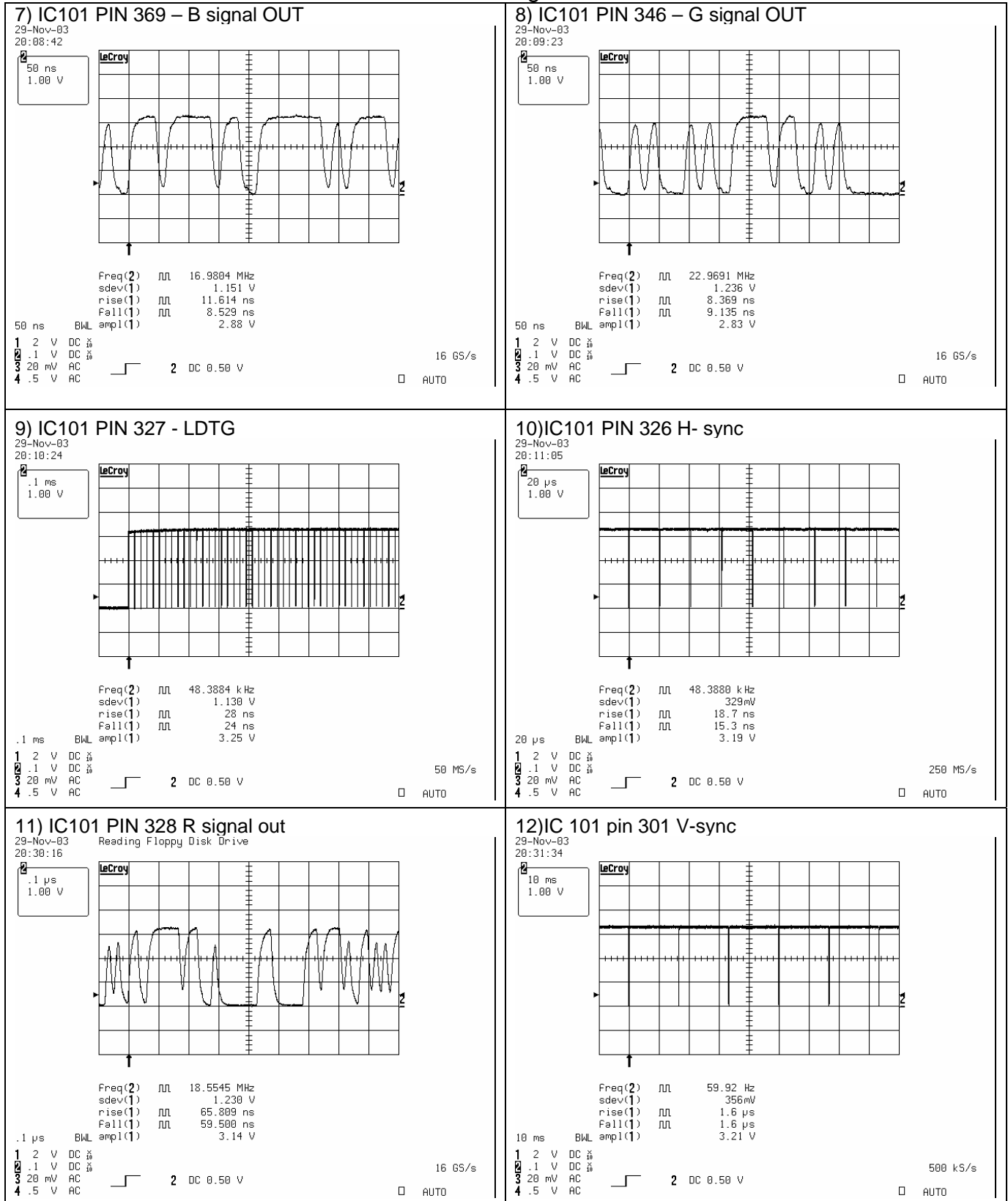
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



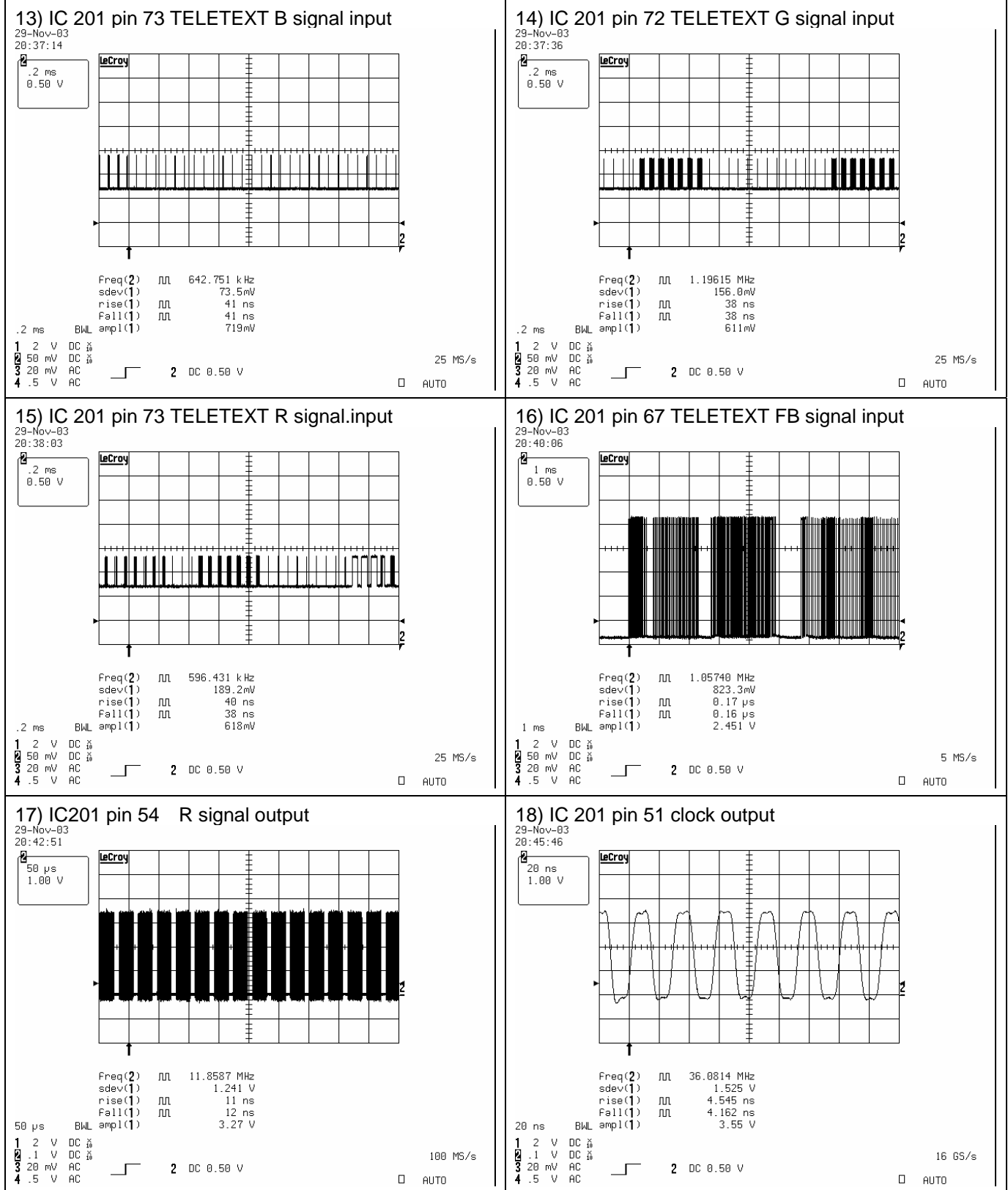
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



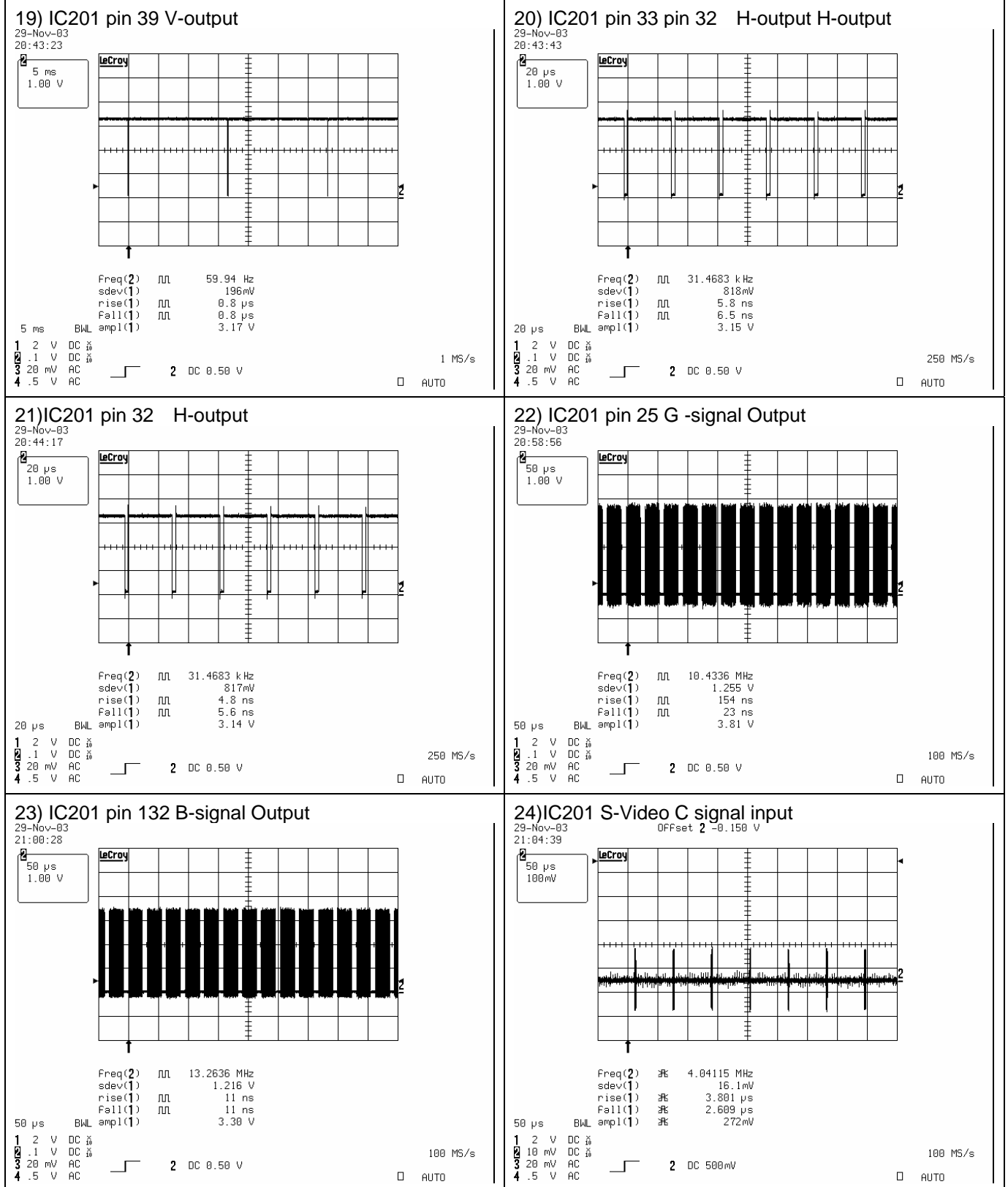
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



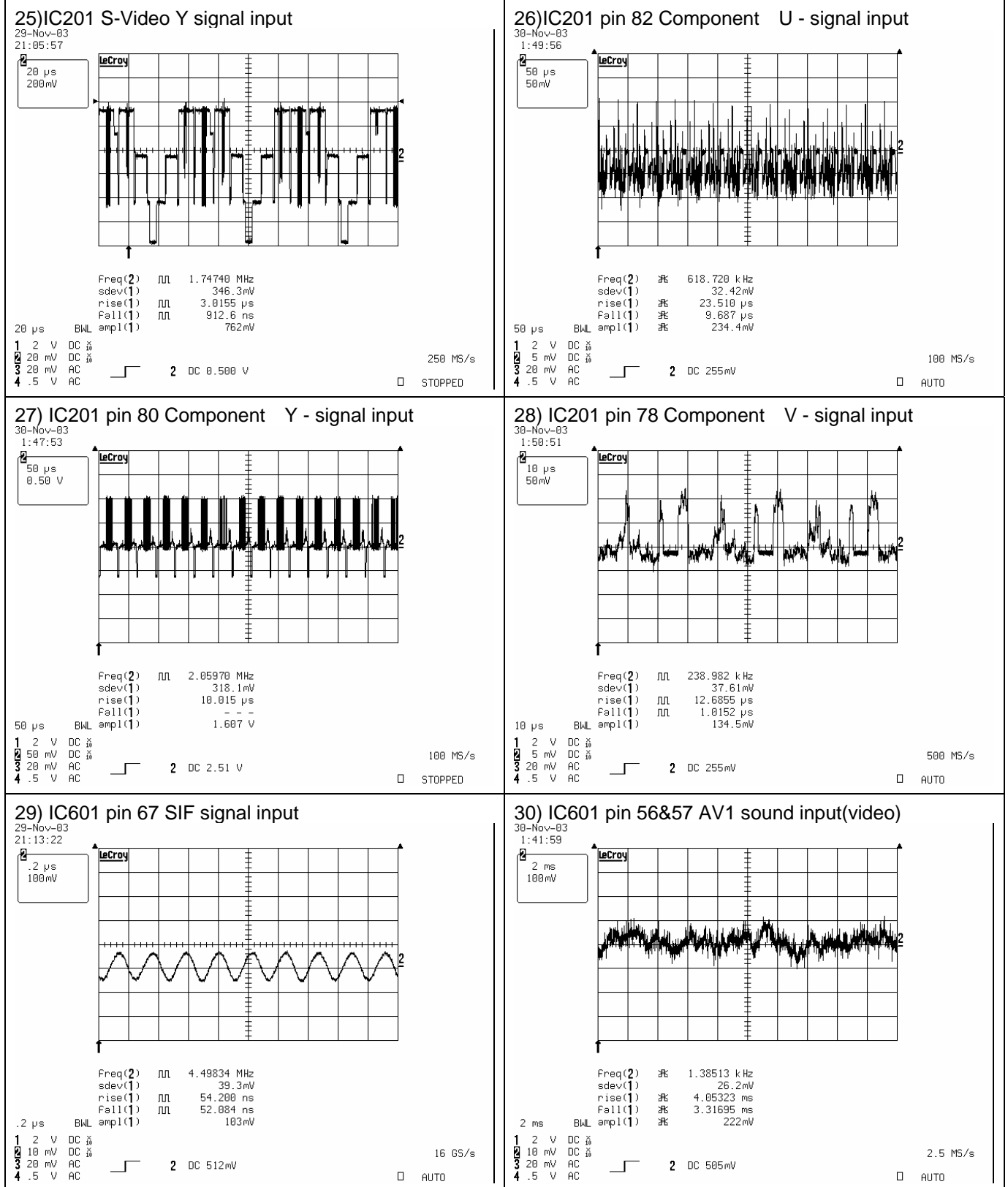
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



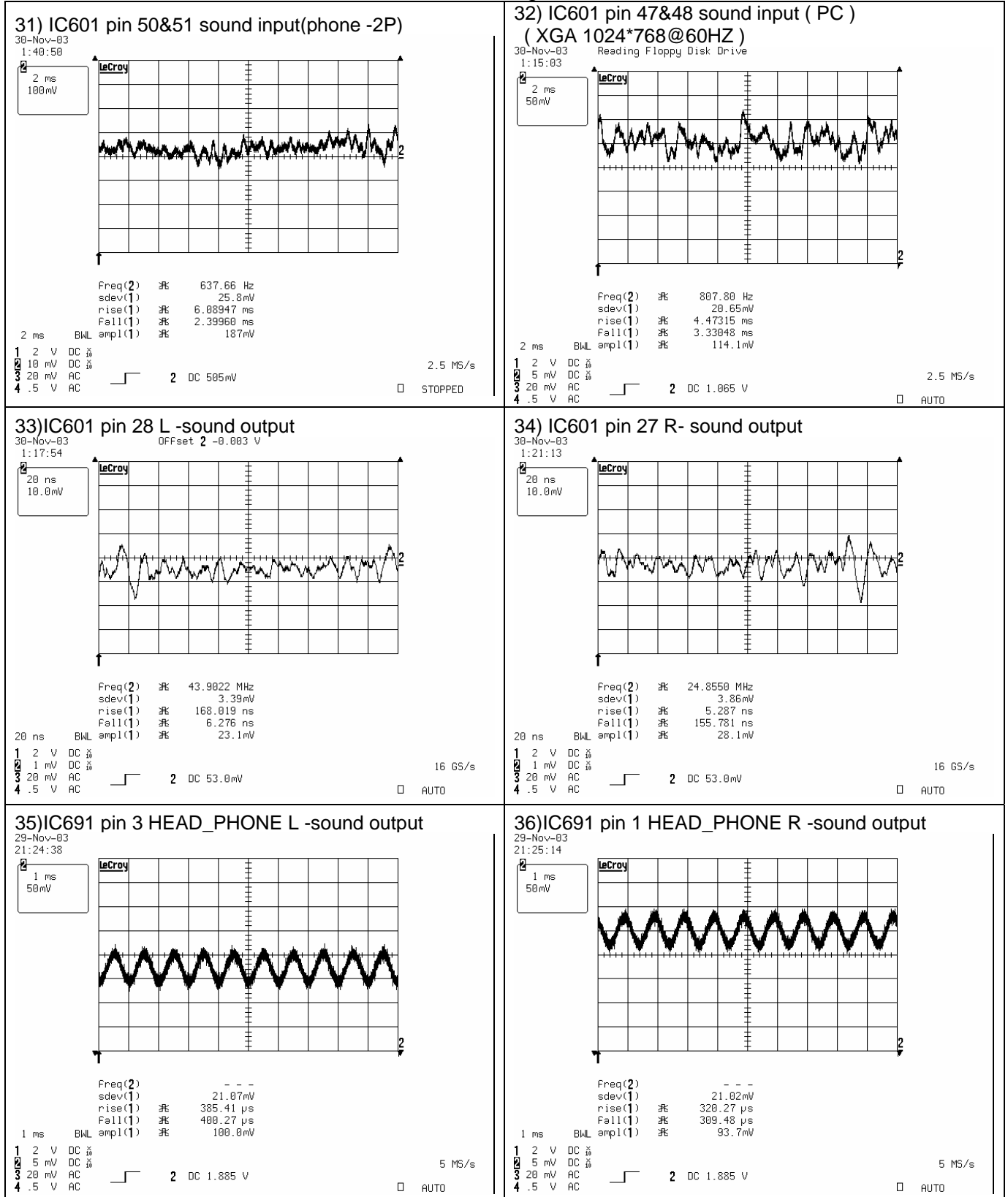
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



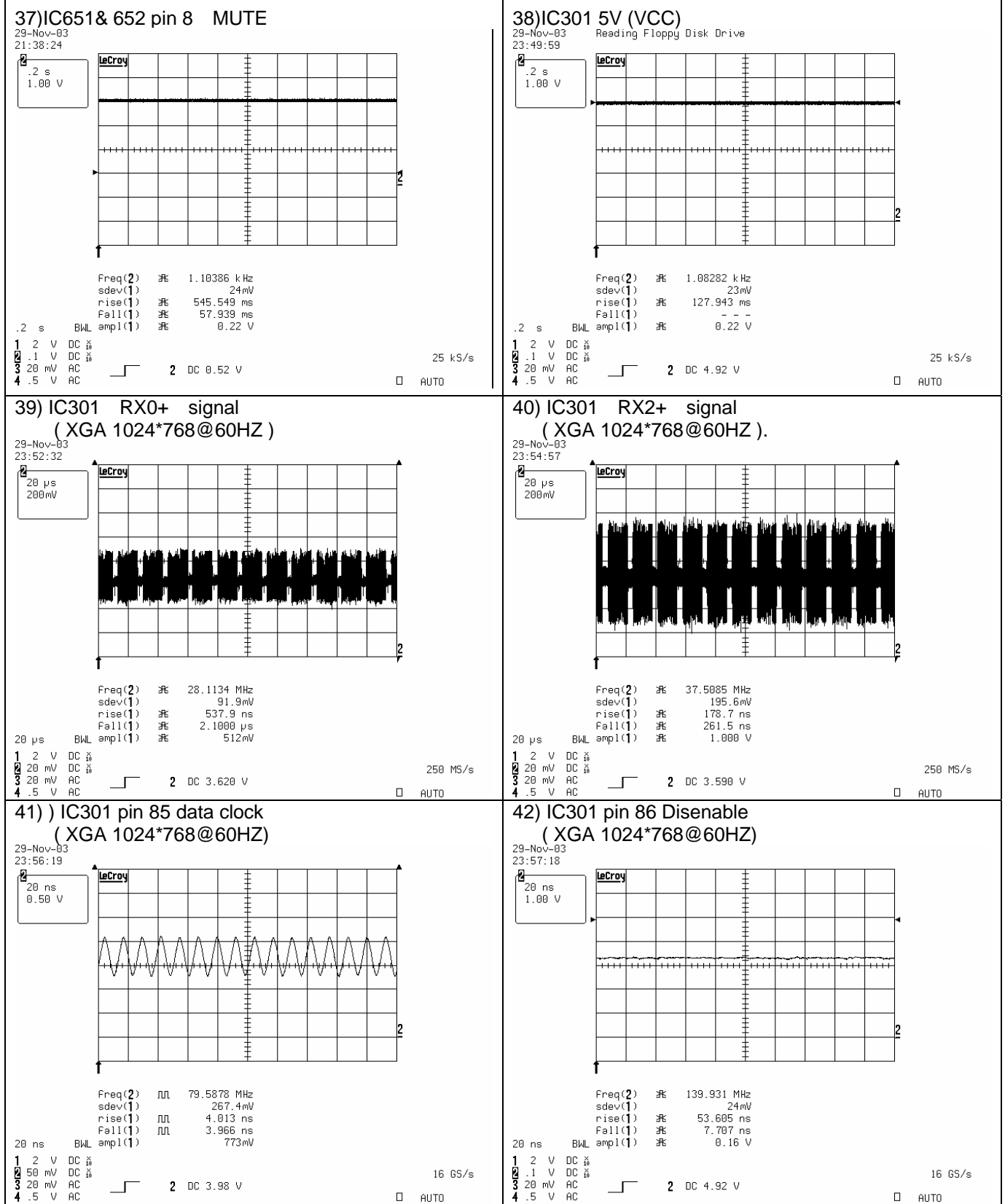
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



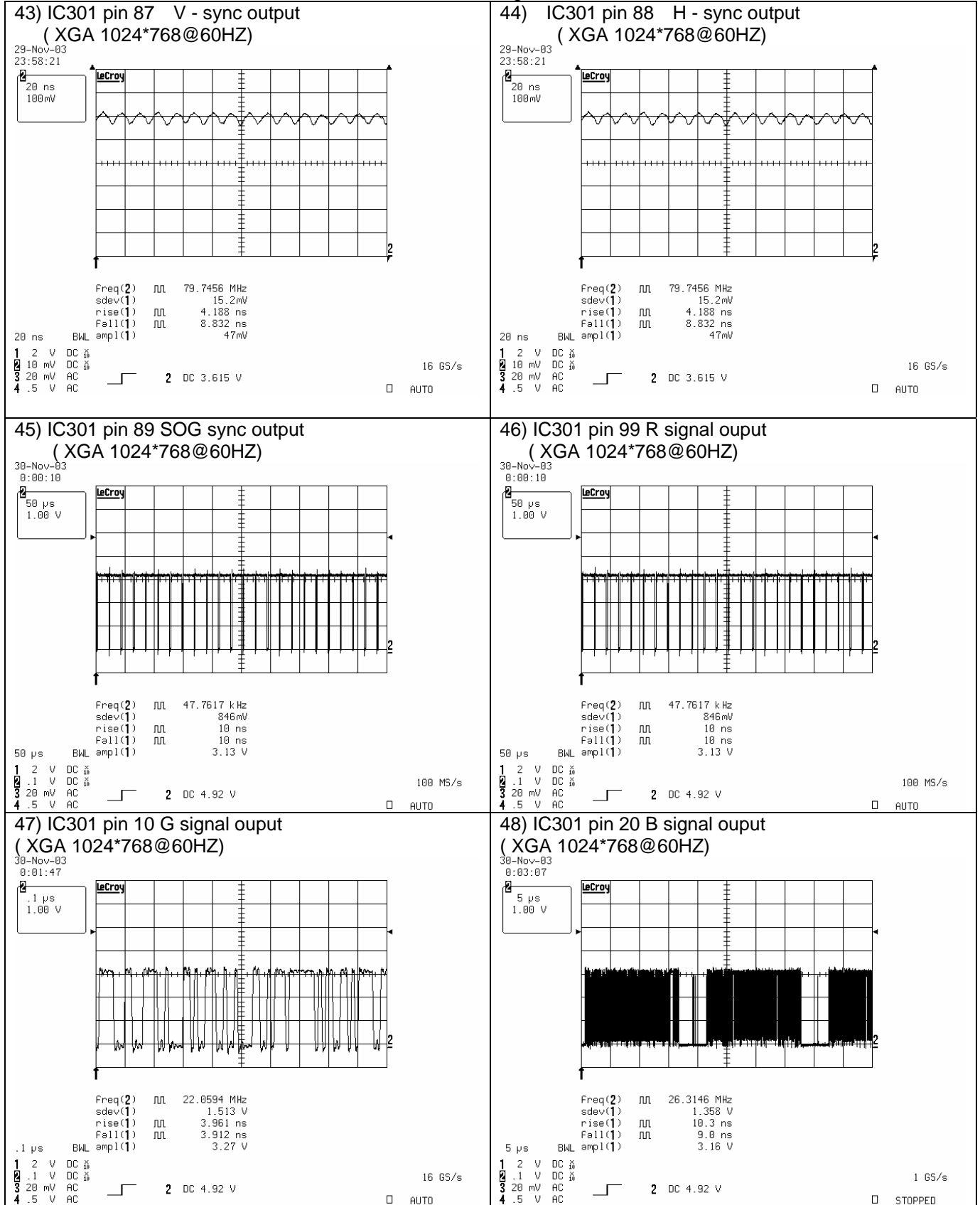
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



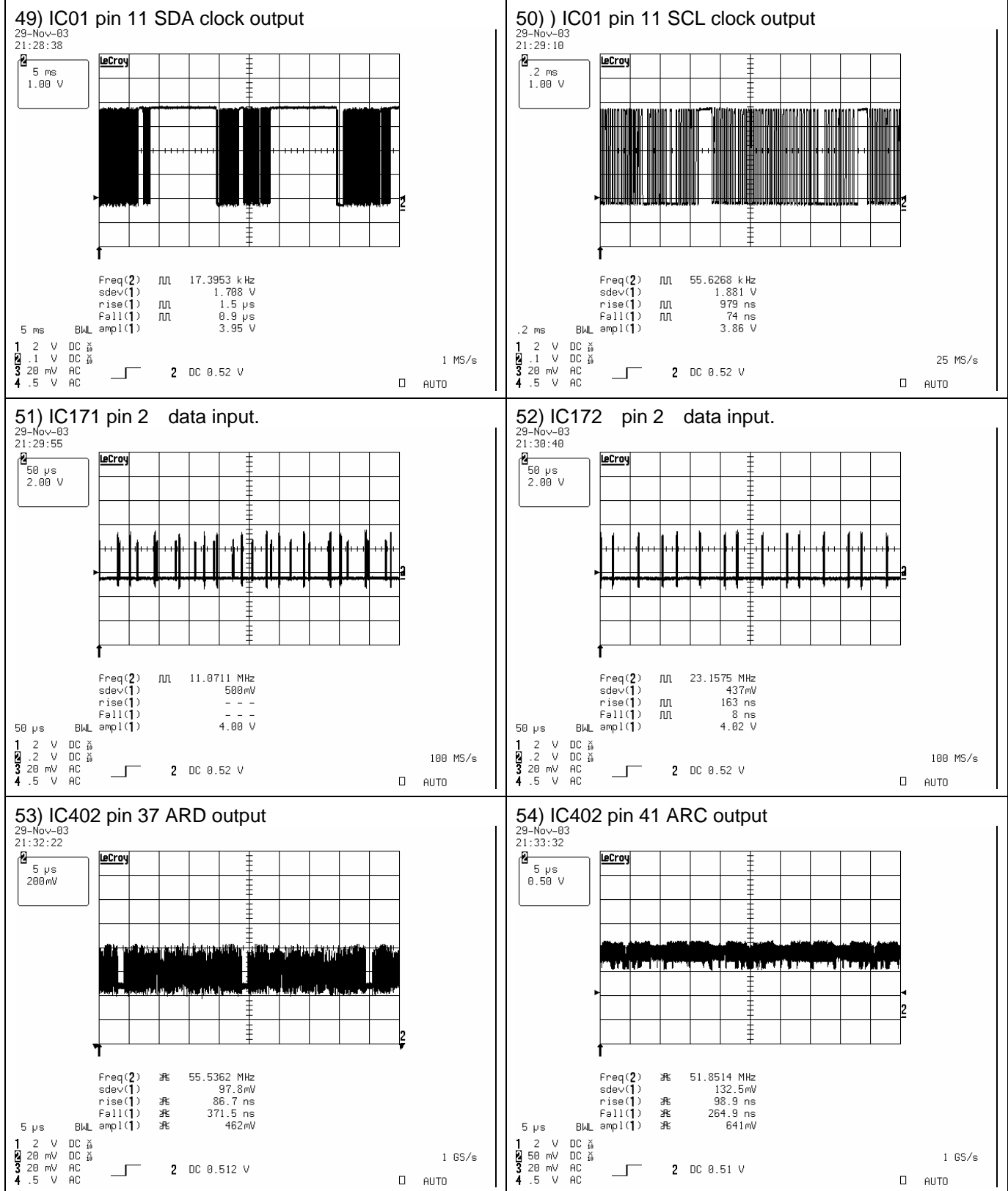
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



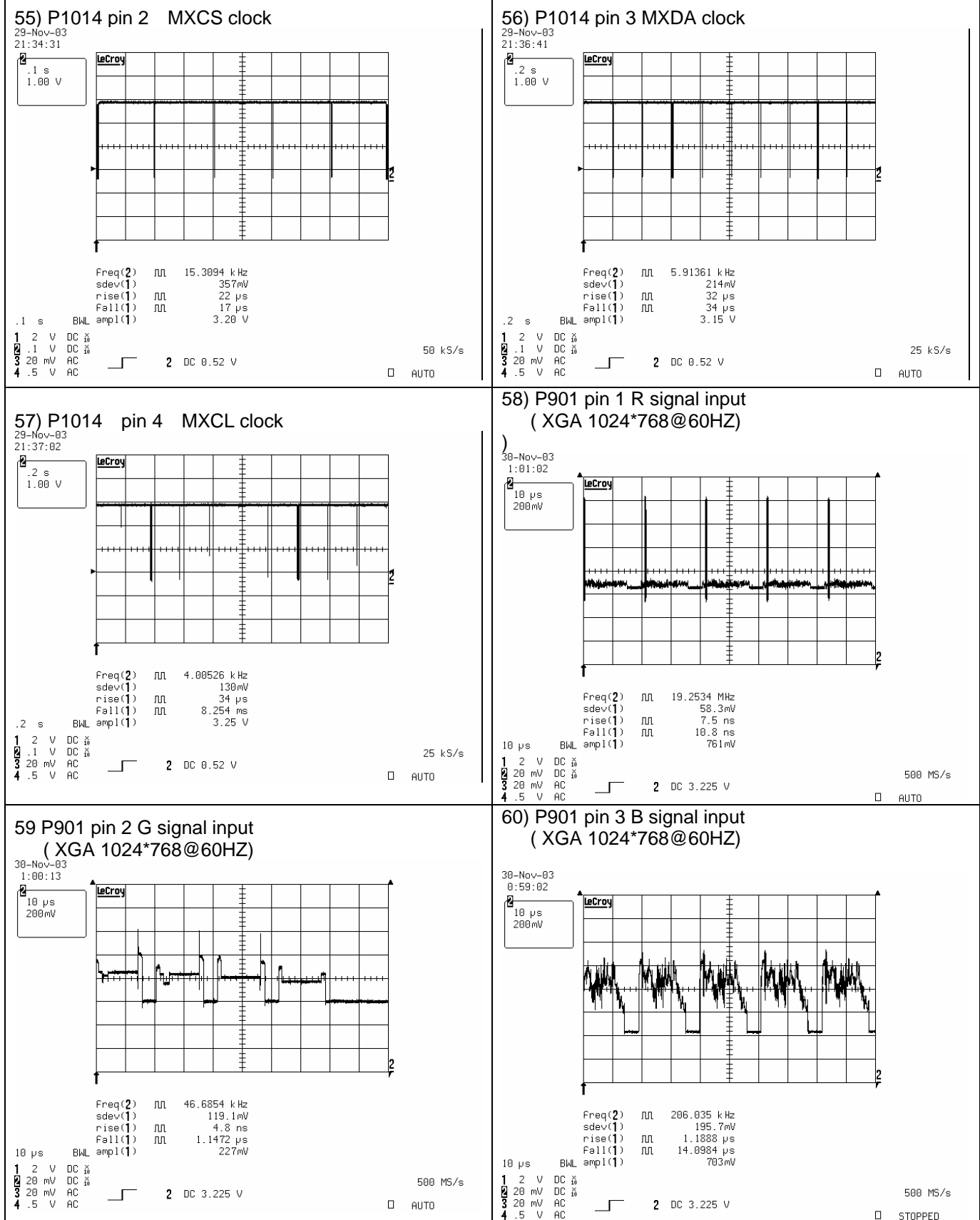
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



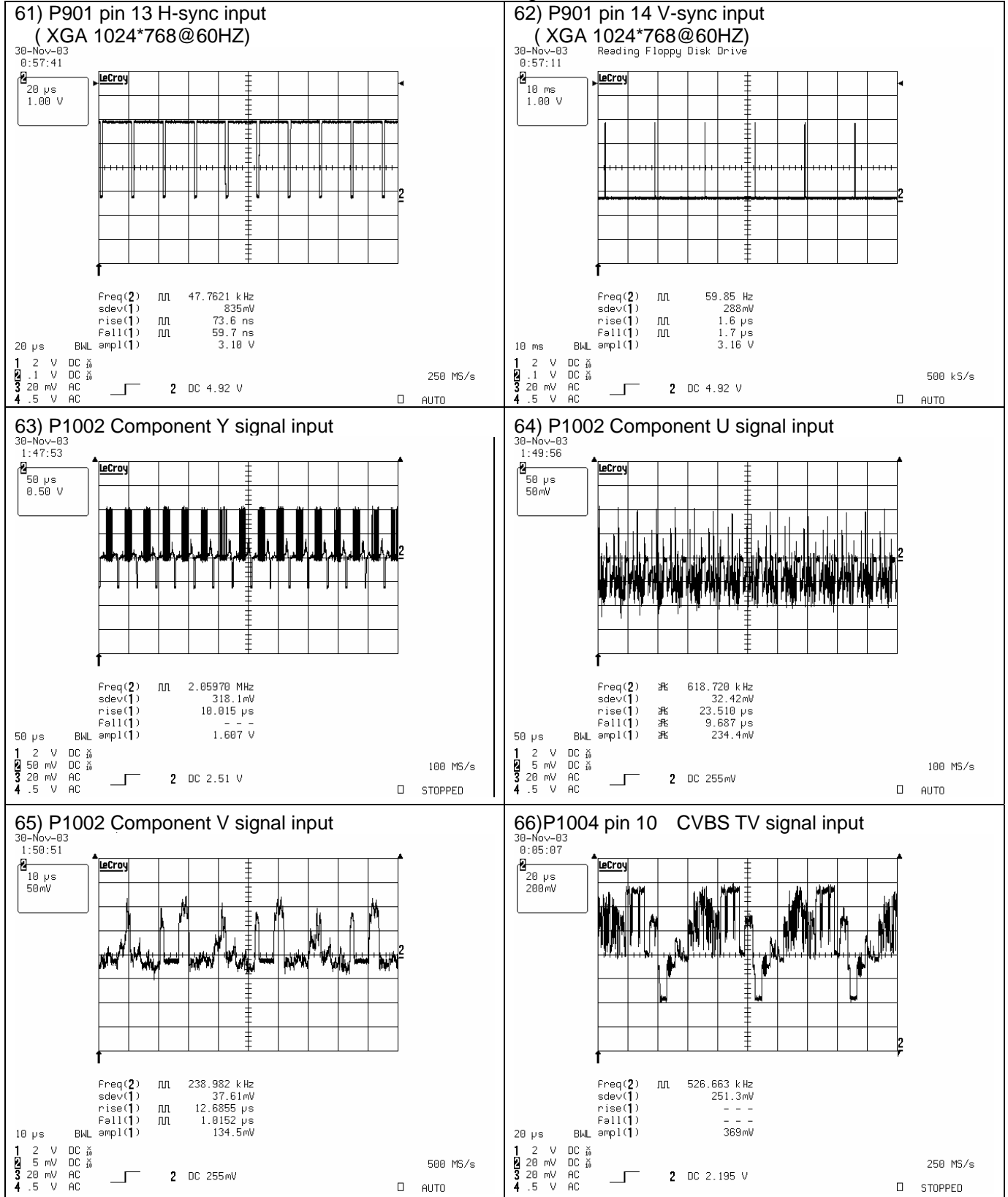
WAVE FORM

NOTE!!: You can find number from Schematic Diagram



WAVE FORM

NOTE!!: You can find number from Schematic Diagram



FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

1, PART LIST (Assemble process)

POS.NO.	PART NO	PART NAME	DESCRIPTION	Q,TY
	300-003G	30 BOX	BOX, ACCESSORY	1
	300-003K	30 BOX pad	BOX, ACCESSORY	1
	320-005A	CASIO MANUAL	BAG, VINYL	1
	321-006A	30 SET PACKING	BAG, PACKING	1
	407-001F	30 MAIN SUPPORT 'L'	SHIELD, SUPPORT	1
	407-001G	30 MAIN SUPPORT 'R'	SHIELD, SUPPORT	1
	407-001Q	30"CMO, FIX BRKT, U/D	SHIELD, SUPPORT	2
	407-001R	30"CMO, FIX BRKT, L/R	SHIELD, SUPPORT	2
	407-002D	30" PCB ASSY COVER	SHIELD, REAR	1
	407-003S	30 SCART, WOOFER	SHIELD, JACK(SCART)	1
	407-004A	30 T-BRKT	SHIELD, T-BRKT	1
	410-001K	TTB 3*8	SCREW	6
	410-001L	TTB 3*10	SCREW	3
	410-001N	FTB 3*6	SCREW	10
	410-001Q	BTB 4*12	SCREW	44
	410-001R	PB 4*8	SCREW	14
	410-002R	PP 4*12	SCREW	4
	410-003F	PP 4*5	SCREW	10
	490-011H	MSF15-30-190-00K	FORM, SHIELD	2
	490-011J	MSF15-15-300-00K	FORM, SHIELD	1
	490-011K	MSF15-6-285-00K	FORM, SHIELD	1
	490-011L	MSF15-20-30-00K	FORM, SHIELD	1
	491-001A	W40mm, L20mm, COPPER	TAPE, CONDUCTIVE	5
	492-001B	CLIP, ZCHT1730-0730	FERRITE CORE	3
	499-002A	W:70mm	TAPE, OPP	4000
	499-004A	W:20mm, L:30m	TAPE, ACETATE	210
	501-001B	ENGLISH	LABEL, WARNING	1
	501-004A	LC3050, MARANTZ	LABEL, SERIAL	1
	501-044J	30", LC3050, MARANTZ	LABEL, ID	1
	501-044L	30" ,MARANTZ	LABEL, TOP	1
	501-044M	30" ,MARANTZ	LABEL, BOTTOM	1
	502-003D	30", LC3050, MARANTZ	LABEL, BOX ID	1
	507-001A	PANEL FILM FIX	LABEL, PROTECTIVE	4
	520-001A	1.5V, AAA SIZE	BATTERY	2

2, PART LIST (Assemble process)

POS.NO.	PART NO	PART NAME	DESCRIPTION	Q,TY
	626-001A	IVORY, 1.8M, 15-PIN	CABLE, PC RGB	1
	626-003A	IVORY, 2.0M 18*1 Pin	CABLE, DVI	1
	627-001A	1.8M, BK	CABLE, PC-SOUND	1
	AYCALT32A01K	M-MODEL ,PAL,PR	Front body, 30inch	1
	AYCOLT32A01B	30H MODEL 111A34D	CONTROL PCB ASSY	1
	AYMALT35A01E	LT-30*LP, CMO, MARANTZ	MAIN PCB ASSY	1
	AYSTLT32A01E	MARANTZ , M-TOOL	STAND ASSY	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
	CON02P200AOU	30.1 SPK,2P 700MMH/-	LEAD ASSY	1
	CON03P200AOY	301 SPK,3P 900MM H/-	LEAD ASSY	1
	CON04P200AOU	301 SPK,4P 700MM H/-	LEAD ASSY	1
	CON05P200ABH	301 LED,5P 200MM H/H	LEAD ASSY	1
	CON10P200ABW	30 CTRL,10P800MM H/H	LEAD ASSY	1
	CON10P200ADW	30,CMO,IVT,10P,800MM	LEAD ASSY	1
	CON12P200ADW	30,CMO,IVT,12P,800MM	LEAD ASSY	1
	CON30P125ABM	30C,PAN,CORE&GND,300	LEAD ASSY	1

3, PART LIST (MAIN PCB) - AYMALT35A01E

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
AL102	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL103	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL104	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL108	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL109	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL110	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL114	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL115	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL171	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL172	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL173	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL174	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL175	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL176	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL177	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL178	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL179	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL180	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL181	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL182	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL183	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL184	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL185	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL186	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL187	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL188	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL189	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL190	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL191	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL192	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL193	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL194	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL195	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL196	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL197	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL198	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
AL201	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL202	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL203	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL204	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL205	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL206	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL208	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL209	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL210	0RYSS330FJTS	33 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL301	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL302	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL303	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL304	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL305	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
AL306	0RYSS101FJTS	100 OHM, 3216	RESISTOR, ARRAY CHIP	1
C1	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C10	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
C1001	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C1002	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C1003	0CASH100HMSTS	10UF 50V	CAPACITOR,CAN	1
C1004	0CASH100HMSTS	10UF 50V	CAPACITOR,CAN	1
C1005	0CASH100HMSTS	10UF 50V	CAPACITOR,CAN	1
C1006	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
C1007	0CASH471AMTS	470UF 10V	CAPACITOR,CAN	1
C1008	0CASH334HMSTS	0.33UF 50V	CAPACITOR,CAN	1
C101	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1011	0CASH100HMSTS	10UF 50V	CAPACITOR,CAN	1
C1012	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1014	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1015	0CASH4R7HMSTS	4.7UF 50V	CAPACITOR,CAN	1
C1016	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C1019	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1021	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1026	0CASH220CMSTS	22UF 16V	CAPACITOR,CAN	1
C1027	0CASH220CMSTS	22UF 16V	CAPACITOR,CAN	1
C1028	0CASH2R2HMSTS	2.2UF 50V	CAPACITOR,CAN	1
C103	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1033	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1034	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1035	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1036	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1037	0CASH220CMSTS	22UF 16V	CAPACITOR,CAN	1
C1038	0CASH220CMSTS	22UF 16V	CAPACITOR,CAN	1
C1039	0CASH471AMTS	470UF 10V	CAPACITOR,CAN	1
C104	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1040	0CASH2R2HMSTS	2.2UF 50V	CAPACITOR,CAN	1
C1041	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C1042	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1048	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C1049	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
C105	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1058	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1059	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C106	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1060	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C1061	0CASH471AMTS	470UF 10V	CAPACITOR,CAN	1
C1062	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C1063	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C107	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1071	0CHSS471DJTS	470PF,1608	CAPACITOR, CHIP	1
C1072	0CHSS471DJTS	470PF,1608	CAPACITOR, CHIP	1
C108	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C109	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C11	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
C110	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C111	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C112	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C113	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C114	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C115	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C1151	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C116	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C117	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C118	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C119	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C12	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C120	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C121	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C122	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C123	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C124	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C125	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C127	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C128	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C129	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C13	0CHSS330DJTS	33PF,1608	CAPACITOR, CHIP	1
C130	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C131	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C132	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C133	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C134	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C135	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C136	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C137	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C138	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C139	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C14	0CHSS330DJTS	33PF,1608	CAPACITOR, CHIP	1
C140	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C141	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C142	0CHSS330DJTS	33PF,1608	CAPACITOR, CHIP	1
C146	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C147	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C148	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C149	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C15	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C16	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C161	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C162	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C17	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C171	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C172	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C173	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C174	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C175	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C176	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C177	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C178	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C179	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C18	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C180	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C181	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C182	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C183	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C184	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C185	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C186	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C187	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C188	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C189	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C19	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C190	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C191	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C192	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C193	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C194	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C195	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C196	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C2	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C20	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C2000	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C2001	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C2002	0CASH471AMTS	470UF 10V	CAPACITOR,CAN	1
C2003	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C201	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C202	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C203	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C204	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C205	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C206	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C207	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C208	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C209	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C21	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C210	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C211	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C212	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C213	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C214	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C215	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C216	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C218	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C22	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C220	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C221	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C222	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C223	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C224	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C225	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C226	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C227	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C228	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C229	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C23	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C230	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C231	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C232	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C233	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C234	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C235	0CHSS220DJTS	22PF,1608	CAPACITOR, CHIP	1
C236	0CHSS220DJTS	22PF,1608	CAPACITOR, CHIP	1
C238	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C24	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C25	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C251	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C252	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C253	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C254	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C255	0CASH470CMTS	47UF 16V	CAPACITOR,CAN	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C26	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C263	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C27	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C271	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C272	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C273	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C28	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C29	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C3	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C30	0CHSS224DZTS	0.22UF,1608	CAPACITOR, CHIP	1
C301	0CHSS150DJTS	15PF,1608	CAPACITOR, CHIP	1
C302	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C303	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C304	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C305	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C306	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C307	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C310	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C311	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C312	0CHSS823DKTS	0.082UF,1608	CAPACITOR,CHIP	1
C313	0CHSS822DJTS	8200PF,1608	CAPACITOR,CHIP	1
C314	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C315	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C316	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C317	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C318	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C319	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C320	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C321	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C322	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C323	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C324	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C325	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C326	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C327	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C328	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C329	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C330	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C331	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C332	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C334	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C335	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C351	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C4	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C421	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C422	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C424	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C425	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C426	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C427	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C429	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C431	0CASH470EMTS	47UF 25V	CAPACITOR,CAN	1
C432	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C433	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C6	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C601	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C602	0CHSS152DKTS	1500PF,1608	CAPACITOR, CHIP	1
C603	0CHSS471DJTS	470PF,1608	CAPACITOR, CHIP	1
C604	0CHSS221DJTS	220PF,1608	CAPACITOR, CHIP	1
C605	0CASH220CMTS	22UF 16V	CAPACITOR,CAN	1
C606	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C607	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C609	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C611	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C612	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C615	0CASH220CMTS	22UF 16V	CAPACITOR,CAN	1
C616	0CASH220CMTS	22UF 16V	CAPACITOR,CAN	1
C617	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C618	0CHSS471DJTS	470PF,1608	CAPACITOR, CHIP	1
C619	0CHSS152DKTS	1500PF,1608	CAPACITOR, CHIP	1
C620	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C621	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C622	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C623	0CASH3R3HMTS	3.3UF 50V	CAPACITOR,CAN	1
C624	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C625	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C626	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C627	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C628	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C629	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C630	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C631	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C632	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C633	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C634	0CHSS334DZTS	0.33UF,1608	CAPACITOR, CHIP	1
C635	0CHSS471DJTS	470PF,1608	CAPACITOR, CHIP	1
C636	0CHSS152DKTS	1500PF,1608	CAPACITOR, CHIP	1
C637	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C638	0CHSS560DJTS	56PF,1608	CAPACITOR, CHIP	1
C639	0RHSS100DJTS	10 OHM, 1608 J	RESISTOR, CHIP	1
C640	0CHSS560DJTS	56PF,1608	CAPACITOR, CHIP	1
C641	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
C642	0CHSS020DCTS	2PF,1608	CAPACITOR, CHIP	1
C643	0CHSS020DCTS	2PF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C644	0CASH100HMTS	10UF 50V	CAPACITOR,CAN	1
C645	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C646	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C649	0CHSS560DJTS	56PF,1608	CAPACITOR, CHIP	1
C651	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C652	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C653	0CHSS332DKTS	3300PF,1608	CAPACITOR, CHIP	1
C654	0CASH101EMTS	100UF 25V	CAPACITOR,CAN	1
C655	0CHSS332DKTS	3300PF,1608	CAPACITOR, CHIP	1
C656	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C657	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C658	0CQSS104KKTR	0.1UF 100V	CAPACITOR, MYLER	1
C659	0CESS102FMBD	1000UF 35V	CAPACITOR, ELEC.	1
C661	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C662	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C663	0CESS102FMBD	1000UF 35V	CAPACITOR, ELEC.	1
C664	0CQSS104KKTR	0.1UF 100V	CAPACITOR, MYLER	1
C665	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C666	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C667	0CHSS332DKTS	3300PF,1608	CAPACITOR, CHIP	1
C668	0CASH101EMTS	100UF 25V	CAPACITOR,CAN	1
C669	0CHSS332DKTS	3300PF,1608	CAPACITOR, CHIP	1
C670	0CASH2R2HMTS	2.2UF 50V	CAPACITOR,CAN	1
C671	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C672	0CQSS104KKTR	0.1UF 100V	CAPACITOR, MYLER	1
C673	0CESS102FMBD	1000UF 35V	CAPACITOR, ELEC.	1
C674	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C676	0CQSS104KKTR	0.1UF 100V	CAPACITOR, MYLER	1
C677	0CESS102FMBD	1000UF 35V	CAPACITOR, ELEC.	1
C678	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C681	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C682	0CHSS102DKTS	1000PF,1608	CAPACITOR, CHIP	1
C683	0CASH220CMTS	22UF 16V	CAPACITOR,CAN	1
C684	0CASH220CMTS	22UF 16V	CAPACITOR,CAN	1
C685	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C691	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C692	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C693	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C694	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C695	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C696	0CASH100CMTS	10UF 16V	CAPACITOR,CAN	1
C697	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C698	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C7	0CASH330CMTS	33UF 16V	CAPACITOR,CAN	1
C731	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C732	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C733	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C734	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C735	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C736	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C737	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C738	0CHSS473DKTS	0.047UF,1608	CAPACITOR, CHIP	1
C8	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C802	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C803	0CHSS103DKTS	0.01UF,1608	CAPACITOR, CHIP	1
C805	0CASH101FMTS	100UF 35V	CAPACITOR,CAN	1
C806	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C808	0CASH101FMTS	100UF 35V	CAPACITOR,CAN	1
C809	0CASH470FMTS	47UF 35V	CAPACITOR,CAN	1
C811	0CASH221EMTS	220UF 25V	CAPACITOR,CAN	1
C812	0CASH221EMTS	220UF 25V	CAPACITOR,CAN	1
C813	0CASH221CMTS	220UF 16V	CAPACITOR,CAN	1
C814	0CASH221CMTS	220UF 16V	CAPACITOR,CAN	1
C816	0CESH471FMBD	470UF 35V	CAPACITOR, ELEC.	1
C821	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C822	0CASH470CMTS	47UF 16V	CAPACITOR,CAN	1
C831	0CASH101EMTS	100UF 25V	CAPACITOR,CAN	1
C832	0CASH101CMTS	100UF 16V	CAPACITOR,CAN	1
C834	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C841	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C842	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C843	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C845	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C846	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C847	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C848	0CASH221AMTS	220UF 10V	CAPACITOR,CAN	1
C851	0CASH470CMTS	47UF 16V	CAPACITOR,CAN	1
C852	0CASH101AMTS	100UF 10V	CAPACITOR,CAN	1
C9	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
C902	0CHSS220DJTS	22PF,1608	CAPACITOR, CHIP	1
C903	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C904	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C905	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C906	0CASH470CMTS	47UF 16V	CAPACITOR,CAN	1
C907	0RHSS331EJTS	330 OHM, 2012 J	RESISTOR, CHIP	1
C908	0RHSS331EJTS	330 OHM, 2012 J	RESISTOR, CHIP	1
C909	0RHSS331EJTS	330 OHM, 2012 J	RESISTOR, CHIP	1
C951	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C952	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
C956	0CASH221FMTS	220UF 35V	CAPACITOR,CAN	1
D1001	1DDSKEU1Z0TA	FAST RECVRY, 200V	DIODE, RECTIFIER	1
D2001	1DDRO41480TA	1N4148-GSD	DIODE, SWITCHING	1
D802	1DHSTS1545GS	STPS1545G	DIODE, RECTIFIER	1
D803	1DHSTS1545GS	STPS1545G	DIODE, RECTIFIER	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
D831	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D832	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D833	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D834	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D835	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D836	1DHSTYW020TS	SMBYW02-200	DIODE, CHIP	1
D901	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D902	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D903	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D904	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D905	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D906	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D907	0DHKEKDS226S	KDS226	DIODE, CHIP	1
D908	1DDRO41480TA	1N4148-GSD	DIODE, SWITCHING	1
IC01	1ICMI5550MBS	Txt-pro,PQFP-100	IC, MICOM SDA555OM	1
IC02	1ICSE24C16TS	24C16,16K	IC, EEPROM	1
IC03	0ISSY32P00BD	DIP 32P	SOCKET, IC	1
IC03	1ICST80B60BS	M27W201-80B6	IC, EPROM	1
IC04	0ICHNV8100BS	128K x 8bit, 70ns	IC, SDRAM CHIP	1
IC06	0ICKE7027FTS	KIA7027AF,	IC, RESET CHIP	1
IC1001	0ICKE7805ATS	KIA7805AF 5.0V 1A	IC, REGULATOR CHIP	1
IC1003	1ICRO6161FTS	ROHM, BA6161F 30~40V	IC, REGULATOR	1
IC101	420-001D	TSC037013, MX88L285	HEAT SINK	1
IC101	496-002A	ATS1-042	RUBBER, SILICON	1
IC101	1ICMX88L285S	MX88L285-S	IC, SCALER	1
IC11	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC1151	1ICST4053BMS	HCF4053BM1	IC, TRIPPLE	1
IC12	1ICIR25Y00TS	2.5V, 1A	IC, REGULATOR	1
IC161	0ICKE7027FTS	KIA7027AF,	IC, RESET CHIP	1
IC171	1ICWB986532S	512Kx32bitx4 SDRAM	IC, SDRAM CHIP	1
IC172	1ICWB986532S	512Kx32bitx4 SDRAM	IC, SDRAM CHIP	1
IC201	1ICMI9427BCS	VSP9427B-C3	IC, VIDEO DECODER	1
IC272	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC301	1ICAD98820BS	AD9882A-100MHZ	IC, A/D CONVERTER	1
IC302	2ICAT24C04NS	24C04N,MARANTZ	IC, EEPROM	1
IC351	1ICST24C02WS	24C02W	IC, EEPROM	1
IC402	1ICNS90C383S	DS90C383	IC, LVDS CHIP	1
IC451	1ICIPAP5R0BD	AP1501-5.0	IC, DC/DC CONVERTER	1
IC601	1ICMI3410DBS	MSP3410D/G, SMD	IC, SOUND DECODER	1
IC602	0ICKE7042FTS	KIA7042AF,	IC, RESET CHIP	1
IC651	1ICSA42820AD	LA4282, SANYO	IC, SOUND AMP	1
IC651	410-001J	PB 3*8	SCREW	2
IC651	420-001A	LA4282 42*16	HEAT SINK	1
IC651	498-001A		Silicon Grease	5
IC652	1ICSA42820AD	LA4282, SANYO	IC, SOUND AMP	1
IC652	410-001J	PB 3*8	SCREW	2
IC652	420-001A	LA4282 42*16	HEAT SINK	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
IC652	498-001A		Silicon Grease	5
IC685	1ICSTVN02NBD	VN02N, Vertical	IC, SOLID STATE RELA	1
IC691	1ICST2822MBD	H/P SOUND AMP	IC, SOUND AMP	1
IC731	1ICST5114ABD	TEA5114A	IC, RGB-SWITCH	1
IC802	1ICIPAP5K5TS	AP1501A-5K5,5V,5A	IC, DC/DC CONVERTER	1
IC803	1ICIPAP120TS	AP1501A-12K5,12V,5A	IC, DC/DC CONVERTER	1
IC805	0ICVI4925DTS	DUAL P-CH 30V MOSFET	IC, MOSFET CHIP	1
IC821	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC831	0ICKE78R08AD	KIA78R08PI, 8.0V	IC, REGULATOR	1
IC831	410-001J	PB 3*8	SCREW	1
IC831	420-001C	TSS016003,KIA7809AP	HEAT SINK	1
IC832	0ICKE7805ATS	KIA7805AF 5.0V 1A	IC, REGULATOR CHIP	1
IC841	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC842	1ICSTLD25DTS	LD1085D2M25R,D2PAK/A	IC, REGULATOR	1
IC843	1ICIR25Y00TS	2.5V, 1A	IC, REGULATOR	1
IC844	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC851	1ICIR33Y00TS	3.3V, 1A	IC, REGULATOR	1
IC901	1ICST24C02WS	24C02W	IC, EEPROM	1
IC902	1ICPH74F08TS	N74F08, PHLIPS	IC, AND GATE	1
L1002	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L1003	0LRSM00100BD	10mH, SMC103	INDUCTOR, CHOKE	1
L1004	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
L1005	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L1006	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L1007	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1008	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1009	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1010	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1011	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1013	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1014	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1015	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1016	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1019	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
L102	0LBSS800EJTS	80 OHM, 2012	BEAD, CHIP	1
L1020	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
L1021	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
L1022	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1023	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1024	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L1025	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L103	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L104	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L1041	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L105	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L106	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L107	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
L108	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L109	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L110	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L112	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L113	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L1151	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L15	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L16	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L171	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L172	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L2001	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L201	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L202	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L203	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L204	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L205	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L251	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L271	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L301	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L302	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L303	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L304	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L305	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L306	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L307	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L308	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L309	0RHSS000EJTS	0 OHM, 2012 J	RESISTOR, CHIP	1
L310	0LBSS260DJTS	26 OHM, 2012	BEAD, CHIP	1
L311	0LBSS260DJTS	26 OHM, 2012	BEAD, CHIP	1
L312	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L313	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L314	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L315	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L316	0LBSS260DJTS	26 OHM, 2012	BEAD, CHIP	1
L317	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L421	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L422	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L431	0LBSS3580RTR	BFD-3580 R2F	BEAD CORE, RADIAL	1
L451	0LRSL10100BS	33UH, SMD12128.5	INDUCTOR	1
L601	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L602	0LHSS100EKTS	10UH, 2012	INDUCTOR, CHIP	1
L603	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L604	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L651	0LBSS3580RTR	BFD-3580 R2F	BEAD CORE, RADIAL	1
L691	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L801	0LBSS3580RTR	BFD-3580 R2F	BEAD CORE, RADIAL	1
L802	0LRSM10100BD	100UH, SMC H100	INDUCTOR	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
L803	OLRSM10100BD	100UH, SMC H100	INDUCTOR	1
L804	0LBSS3580RTR	BFD-3580 R2F	BEAD CORE, RADIAL	1
L804	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L815	0LBSS3580RTR	BFD-3580 R2F	BEAD CORE, RADIAL	1
L821	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
L901	0LBSS301FJTS	300 OHM, 3216	BEAD, CHIP	1
L902	0LBSS301FJTS	300 OHM, 3216	BEAD, CHIP	1
L903	0LBSS301FJTS	300 OHM, 3216	BEAD, CHIP	1
P10	WAF LG08250SD	8P, P:2.5mm	WAFER, PIN	1
P101	WAFYH10200AD	10P, P2.0mm ANGLE	WAFER, PIN	1
P1012	WAFYH04200AD	4-PIN, P2.0mm ANGLE	WAFER, PIN	1
P1017	WAFYH10200SD	10P, P2.0mm STRAIGHT	WAFER, PIN	1
P1018	WAFYH10200SD	10P, P2.0mm STRAIGHT	WAFER, PIN	1
P102	WAFYH10200AD	10P, P2.0mm ANGLE	WAFER, PIN	1
P10A	WA1YH10200AD	10P, P2.0mm ANGLE	WAFER, PIN	1
P441	WAFYH30125AS	30P, P125, ANGLE	WAFER, PIN	1
P601	WAFYH02200SD	2P, P2.0mm STRAIGHT	WAFER, PIN	1
P602	WAFYH03200SD	3P, P2.0mm STRAIGHT	WAFER, PIN	1
P904	WAF LG04250SD	4P, P:2.5mm	WAFER, PIN	1
P951	WAFYH10125AS	10P, P1.25mm ANGLE		1
P952	WAFYH12125AS	12P, P1.25mm ANGLE	WAFER, PIN	1
Q1	1ICFC2N700TR	2N7000TA	FET, LEVEL SHIFT	1
Q1001	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q1002	0TRKE102S0TS	KRC102S	TRANSISTOR, CHIP	1
Q1003	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q1007	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q1008	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q1009	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q1152	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q2	1ICFC2N700TR	2N7000TA	FET, LEVEL SHIFT	1
Q201	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q202	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q203	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q3	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q621	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q622	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q623	0TRKE1504STS	KTA1504	TRANSISTOR, CHIP	1
Q651	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q652	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q685	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q686	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q741	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q742	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q802	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q805	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q806	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q921	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
Q951	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
R1	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R10	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R1001	0RHSS104DJTS	100K OHM, 1608 J	RESISTOR, CHIP	1
R1002	0RHSS122DJTS	1.2K OHM, 1608 J	RESISTOR, CHIP	1
R1003	0RHSS331DJTS	330 OHM, 1608 J	RESISTOR, CHIP	1
R1004	0RHSS221DJTS	220 OHM, 1608 J	RESISTOR, CHIP	1
R1005	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R1006	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R1007	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1008	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1009	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R101	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R1010	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1011	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R1012	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R1013	0RHSS010DJTS	1 OHM, 1608 J	RESISTOR, CHIP	1
R1014	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R1015	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1016	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1017	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1019	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R102	0RHSS105DJTS	1M OHM, 1608 J	RESISTOR, CHIP	1
R1020	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R1021	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R1023	0RHSS010DJTS	1 OHM, 1608 J	RESISTOR, CHIP	1
R1024	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R1025	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1026	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R103	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R104	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R1042	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R1043	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R1044	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R1045	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R1046	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1047	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R1048	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R1049	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R105	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R1050	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1051	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R1061	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R11	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R110	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R112	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R114	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1

FACTORY SPARE PARTSLIST

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POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
R115	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1151	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R1152	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R1153	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1154	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R1155	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R1156	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R1161	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R1162	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R12	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R120	0RHSS560DJTS	56 OHM, 1608 J	RESISTOR, CHIP	1
R13	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R14	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R15	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R16	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R161	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R162	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R163	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R17	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R18	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R19	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R2	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R20	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R201	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R202	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R203	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R205	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R207	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R21	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R219	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R22	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R220	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R221	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R225	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R227	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R228	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R24	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R244	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R25	0RHSS221DJTS	220 OHM, 1608 J	RESISTOR, CHIP	1
R27	0RHSS333DJTS	33K OHM, 1608 J	RESISTOR, CHIP	1
R28	0RHSS392DJTS	3.9K OHM, 1608 J	RESISTOR, CHIP	1
R29	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R3	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R30	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R301	0RHSS272DJTS	2.7K OHM, 1608 J	RESISTOR, CHIP	1
R302	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R303	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
R307	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R308	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R309	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R31	0RHSS153DJTS	15K OHM, 1608 J	RESISTOR, CHIP	1
R310	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R312	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R313	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R314	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R315	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R316	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R317	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R318	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R319	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R32	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R320	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R321	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R322	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R323	0RHSS511DJTS	510 OHM, 1608 J	RESISTOR, CHIP	1
R33	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R331	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R332	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R34	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R35	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R351	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R351A	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R352	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R352A	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R353	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R354	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R355	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R356	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R36	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R37	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R38	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R39	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R4	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R40	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R41	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R42	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R422	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R43	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R433	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R434	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R44	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R45	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R46	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R47	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
R48	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R49	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R5	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R50	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R51	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R52	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R53	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R54	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R56	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R57	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R58	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R59	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R6	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R60	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R601	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R602	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R603	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R604	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R605	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R607	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R608	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R609	0RHSS100DJTS	10 OHM, 1608 J	RESISTOR, CHIP	1
R61	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R62	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R621	0RHSS392DJTS	3.9K OHM, 1608 J	RESISTOR, CHIP	1
R622	0RHSS392DJTS	3.9K OHM, 1608 J	RESISTOR, CHIP	1
R623	0RHSS100DJTS	10 OHM, 1608 J	RESISTOR, CHIP	1
R63	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R631	0RHSS392DJTS	3.9K OHM, 1608 J	RESISTOR, CHIP	1
R636	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R637	0RHSS152DJTS	1.5K OHM, 1608 J	RESISTOR, CHIP	1
R638	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R639	0RHSS152DJTS	1.5K OHM, 1608 J	RESISTOR, CHIP	1
R64	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R640	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R641	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R65	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R651	0RHSS561DJTS	560 OHM, 1608 J	RESISTOR, CHIP	1
R653	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R654	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R656	0RHSS561DJTS	560 OHM, 1608 J	RESISTOR, CHIP	1
R657	0RHSS2R2DJTS	2.2 OHM, 1608 J	RESISTOR, CHIP	1
R658	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R659	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R66	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R660	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R663	0RHSS2R2DJTS	2.2 OHM, 1608 J	RESISTOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
R664	0RHSS561DJTS	560 OHM, 1608 J	RESISTOR, CHIP	1
R665	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R666	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R667	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R668	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R669	0RHSS561DJTS	560 OHM, 1608 J	RESISTOR, CHIP	1
R67	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R670	0RHSS2R2DJTS	2.2 OHM, 1608 J	RESISTOR, CHIP	1
R671	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R672	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R673	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R676	0RHSS2R2DJTS	2.2 OHM, 1608 J	RESISTOR, CHIP	1
R681	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R682	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R685	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R686	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R687	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R688	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R689	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R691	0RHSS4R7DJTS	4.7 OHM, 1608 J	RESISTOR, CHIP	1
R692	0RHSS4R7DJTS	4.7 OHM, 1608 J	RESISTOR, CHIP	1
R7	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R71	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R73	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R731	0RHSS331DJTS	330 OHM, 1608 J	RESISTOR, CHIP	1
R732	0RHSS331DJTS	330 OHM, 1608 J	RESISTOR, CHIP	1
R734	0RHSS331DJTS	330 OHM, 1608 J	RESISTOR, CHIP	1
R735	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R736	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R737	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R738	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R739	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R74	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R740	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R745	0RHSS271DJTS	270 OHM, 1608 J	RESISTOR, CHIP	1
R746	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R747	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R748	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R749	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R8	0RHSS332DJTS	3.3K OHM, 1608 J	RESISTOR, CHIP	1
R806	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R807	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R811	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R812	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R813	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R814	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R9	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
R901	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R902	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R904	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R905	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R906	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R907	0RHSS101DJTS	100 OHM, 1608 J	RESISTOR, CHIP	1
R908	0RHSS220DJTS	22 OHM, 1608 J	RESISTOR, CHIP	1
R909	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R910	0RHSS000DJTS	0 OHM, 1608 J	RESISTOR, CHIP	1
R911	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R917	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R918	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R919	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R920	0RHSS470DJTS	47 OHM, 1608 J	RESISTOR, CHIP	1
R921	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R922	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R923	0RHSS750DJTS	75 OHM, 1608 J	RESISTOR, CHIP	1
R924	0RHSS103DJTS	10K OHM, 1608 J	RESISTOR, CHIP	1
R925	0RHSS473DJTS	47K OHM, 1608 J	RESISTOR, CHIP	1
R951	0RHSS562DJTS	5.6K OHM, 1608 J	RESISTOR, CHIP	1
R952	0RHSS391DJTS	390 OHM, 1608 J	RESISTOR, CHIP	1
R955	0RHSS223DJTS	22K OHM, 1608 J	RESISTOR, CHIP	1
R956	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
X1	0XTKI06M00TS	6.0MHZ, 33PF	CRYSTAL, CHIP	1
X101	0XTKI143180S	14.318MHZ	CRYSTAL, CHIP	1
X201	0XTKI20M25TS	20.25MHZ, 22PF	CRYSTAL, CHIP	1
X601	0XTKI184320D	18.432MHZ	CRYSTAL, RADIAL	1
ZD1002	1DZSSHZT33TA	33V	DIODE, ZENER AXIAL	1
ZD1005	1DZSC5231BTS	5.1V, MMSZ5231BS-7	DIODE, ZENER CHIP	1
ZD1006	1DZSC5231BTS	5.1V, MMSZ5231BS-7	DIODE, ZENER CHIP	1
ZD451	0DSSCB340ATS	B340A, 3A	DIODE, SCHOTTKY CHIP	1
ZD601	1DZSC5237BTS	8.2V	DIODE, ZENER CHIP	1
ZD901	1DZSC5231BTS	5.1V, MMSZ5231BS-7	DIODE, ZENER CHIP	1
ZD902	1DZSC5231BTS	5.1V, MMSZ5231BS-7	DIODE, ZENER CHIP	1
	111-A35A	30 TUNER	PCB, TUNER	1
	498-001A		Silicon Grease	1
	0JADM15RF00D	DAH-15RF-4B4	JACK, D-SUB	1
	0JAGN10300BD	WOOFER, RCA-103	JACK, WOOFER	1
	0CHSS104DZTS	0.1UF,1608	CAPACITOR, CHIP	1
	0LBSS601FJTS	600 OHM, 3216	BEAD, CHIP	1
	111-A47A	30 CMO WOOFER	PCB,MAIN	1
	1ICIR18Y00TS	1.8V, 1A	IC, REGULATOR	1

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

4, PART LIST (CONTROL & LED PCB) - AYCOLT32A01B

POS.NO.	PART NO	PART NAME	DESCRIPTIONS	Q,TY
C3001	0CHSS101DJTS	100PF,1608	CAPACITOR, CHIP	1
LD3001	0DLSYRG138AD	RED, SL RG138	DIODE, LED	1
P108	WA1YH10200AD	10P, P2.0mm ANGLE	WAFER, PIN	1
P11A	WAFYH05200AD	5P, P2.0mm ANGLE	WAFER, PIN	1
P11B	WAFYH05200AD	5P, P2.0mm ANGLE	WAFER, PIN	1
PA3001	0PAVI48380AD	PRE-AMP, 38KHZ	PRE-AMP	1
Q3001	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q3002	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
Q3004	0TRKE3875STS	KTC3875S	TRANSISTOR, CHIP	1
R3001	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R3002	0RHSS222DJTS	2.2K OHM, 1608 J	RESISTOR, CHIP	1
R3003	0RHSS222DJTS	2.2K OHM, 1608 J	RESISTOR, CHIP	1
R3004	0RHSS102DJTS	1K OHM, 1608 J	RESISTOR, CHIP	1
R3005	0RHSS222DJTS	2.2K OHM, 1608 J	RESISTOR, CHIP	1
R3011	0RHSS471DJTS	470 OHM, 1608 J	RESISTOR, CHIP	1
R3012	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R3013	0RHSS471DJTS	470 OHM, 1608 J	RESISTOR, CHIP	1
R3014	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
R3015	0RHSS120DJTS	12 OHM, 1608 J	RESISTOR, CHIP	1
R3016	0RHSS472DJTS	4.7K OHM, 1608 J	RESISTOR, CHIP	1
SW3001	600-002A	YTP-1141A	SWITCH, TACT	1
SW3002	600-002A	YTP-1141A	SWITCH, TACT	1
SW3003	600-002A	YTP-1141A	SWITCH, TACT	1
SW3004	600-002A	YTP-1141A	SWITCH, TACT	1
SW3005	600-002A	YTP-1141A	SWITCH, TACT	1
SW3006	600-002A	YTP-1141A	SWITCH, TACT	1
SW3007	600-002A	YTP-1141A	SWITCH, TACT	1
	111-A34D	30" H MODEL CONTROL	PCB, CONTROL	1

5, PART LIST (STAND) - AYSTLT32A01E

POS.NO.	PART NO	PART NAME	DESCRIPTION	Q,TY
19	402-004K	30STAND,2-02-010NEC	COVER, FRONT	1
20	401-0016	30" STAND, 2-02-012	BRACKET, STAND	1
21	402-004L	30 STAND,2-02-011NEC	COVER, REAR	1
22	402-005R	30" STAND, M-TOOL	COVER, BOTTOM	1
23	401-0039	30 STAND, M-TOOL	BRACKET, BOTTOM	1
24	496-001G	30"M-T 23*2T STAND	RUBBER,FOOT	4
25	496-001H	30"M-T 24*1.2T STAND	RUBBER,FOOT	2
27	410-001K	TTB 3*8	SCREW	2
29	410-002U	PBTB 4*6	SCREW	4
34	410-002Q	PS 4*10	SCREW	3

FACTORY SPARE PARTSLIST

These are reference only, MARANTZ will not supply these parts.

6, PART LIST (FRONT PANAL ASSY) - AYCALT32A01K

POS.NO.	PART NO	PART NAME	DESCRIPTION	Q,TY
1	400-011U	30", M-TOOL,BK	COVER, FRONT	1
2	450-002G	30",M,FRONT,AL	Aluminum, TOP	1
2	450-002H	30",M,FRONT,AL	Aluminum,BOTTOM	1
7	501-016Z	STICKER ROGO	MARANTZ BADGE	1
27	408-002E	M,	LENS, SENSOR	1
33	410-001N	FTB 3*6	SCREW	12