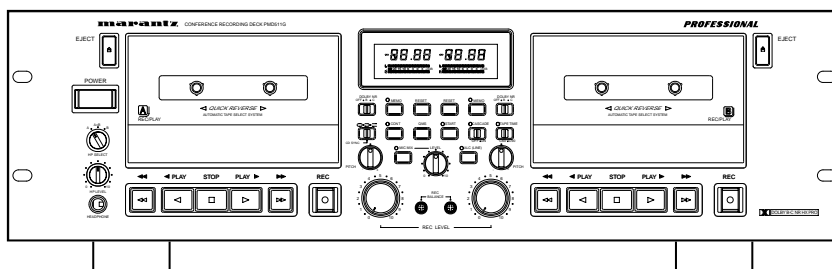


# Service Manual

PMD511G/F1B

## Conference Recording Deck



PMD511G/F1Bは、PMD511F Bのフロントパネル部分の機構部品、及びフロントFL回路基板(PY01)とその電気部品の変更、マイコンの変更、基板(PD01, PE01)上の一部の回路削除、一部のスイッチ変更及び削除された製品です。このサービスマニュアルには、PMD511F Bとの相違点部分のみを記載してあります。その他の部分はPMD511のサービスマニュアル(479T855010)を参照して下さい。

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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下さい。

# marantz®

## PMD511G

## 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.

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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.

#### USA

**MARANTZ AMERICA, INC.**  
440 MEDINAH ROAD  
ROSELLE, ILLINOIS 60172  
USA  
PHONE : 630 - 307 - 3100  
FAX : 630 - 307 - 2687

#### EUROPE / TRADING

**MARANTZ EUROPE B.V.**  
P.O.BOX 80002, BUILDING SFF2  
5600 JB EINDHOVEN  
THE NETHERLANDS  
PHONE : +31 - 40 - 2732241  
FAX : +31 - 40 - 2735578

#### BRAZIL

**PHILIPS DA AMAZONIA IND. ELET. ITDA**  
CENTRO DE INFORMACOES AO  
CEP 04698-970  
SAO PAULO, SP, BRAZIL  
PHONE : 0800 - 123123(Discagem Direta Gratuita)  
FAX : +55 11 534. 8988

**PROFESSIONAL AMERICAS**  
**SUPERSCOPE TECHNOLOGIES, INC.**  
MARANTZ PROFESSIONAL PRODUCTS  
2640 WHITE OAK CIRCLE, SUITE A  
AURORA, ILLINOIS 60504 USA  
PHONE : 630 - 820 - 4800  
FAX : 630 - 820 - 8103

**PROFESSIONAL AUSTRALIA**  
**TECHNICAL AUDIO GROUP PTY, LTD**  
558 DARLING STREET,  
BALMAIN, NSW 2041,  
AUSTRALIA  
PHONE : 61 - 2 - 9810 - 5300  
FAX : 61 - 2 - 9810 - 5355

#### CANADA

**LENBROOK INDUSTRIES LIMITED**  
633 GRANITE COURT,  
PICKERING, ONTARIO L1W 3K1  
CANADA  
PHONE : 905 - 831 - 6333  
FAX : 905 - 831 - 6936

#### AUSTRALIA

**QualiFi Pty Ltd,**  
24 LIONEL ROAD,  
MT. WAVERLEY VIC 3149  
AUSTRALIA  
PHONE : +61 - (0)3 - 9543 - 1522  
FAX : +61 - (0)3 - 9543 - 3677

#### THAILAND

**MRZ STANDARD CO.,LTD**  
746 - 754 MAHACHAI ROAD.,  
WANGBURAPAPIROM, PHRANAKORN,  
BANGKOK, 10200 THAILAND  
PHONE : +66 - 2 - 222 9181  
FAX : +66 - 2 - 224 6795

#### SINGAPORE

**WO KEE HONG DISTRIBUTION PTE LTD**  
130 JOO SENG ROAD  
#03-02 OLIVINE BUILDING  
SINGAPORE 368357  
PHONE : +65 858 5535 / +65 381 8621  
FAX : +65 858 6078

#### NEW ZEALAND

**WILDASH AUDIO SYSTEMS NZ**  
14 MALVERN ROAD MT ALBERT  
AUCKLAND NEW ZEALAND  
PHONE : +64 - 9 - 8451958  
FAX : +64 - 9 - 8463554

#### TAIWAN

**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

#### MALAYSIA

**WO KEE HONG ELECTRONICS SDN. BHD.**  
SUITE 8.1, LEVEL 8, MENARA GENESIS,  
NO. 33, JALAN SULTAN ISMAIL,  
50250 KUALA LUMPUR, MALAYSIA  
PHONE : +60 3 - 2457677  
FAX : +60 3 - 2458180

#### JAPAN *Technical*

**MARANTZ JAPAN, INC.**  
35- 1, 7- CHOME, SAGAMIONO  
SAGAMIHARA - SHI, KANAGAWA  
JAPAN 228-8505  
PHONE : +81 42 748 1013  
FAX : +81 42 741 9190

#### 日本マランツ株式会社

本社 〒228-8505  
神奈川県相模原市相模大野7-35-1  
営業本部 〒150-0022  
東京都渋谷区恵比寿南1-11-9

#### KOREA

**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

### SHOCK, FIRE HAZARD SERVICE TEST :

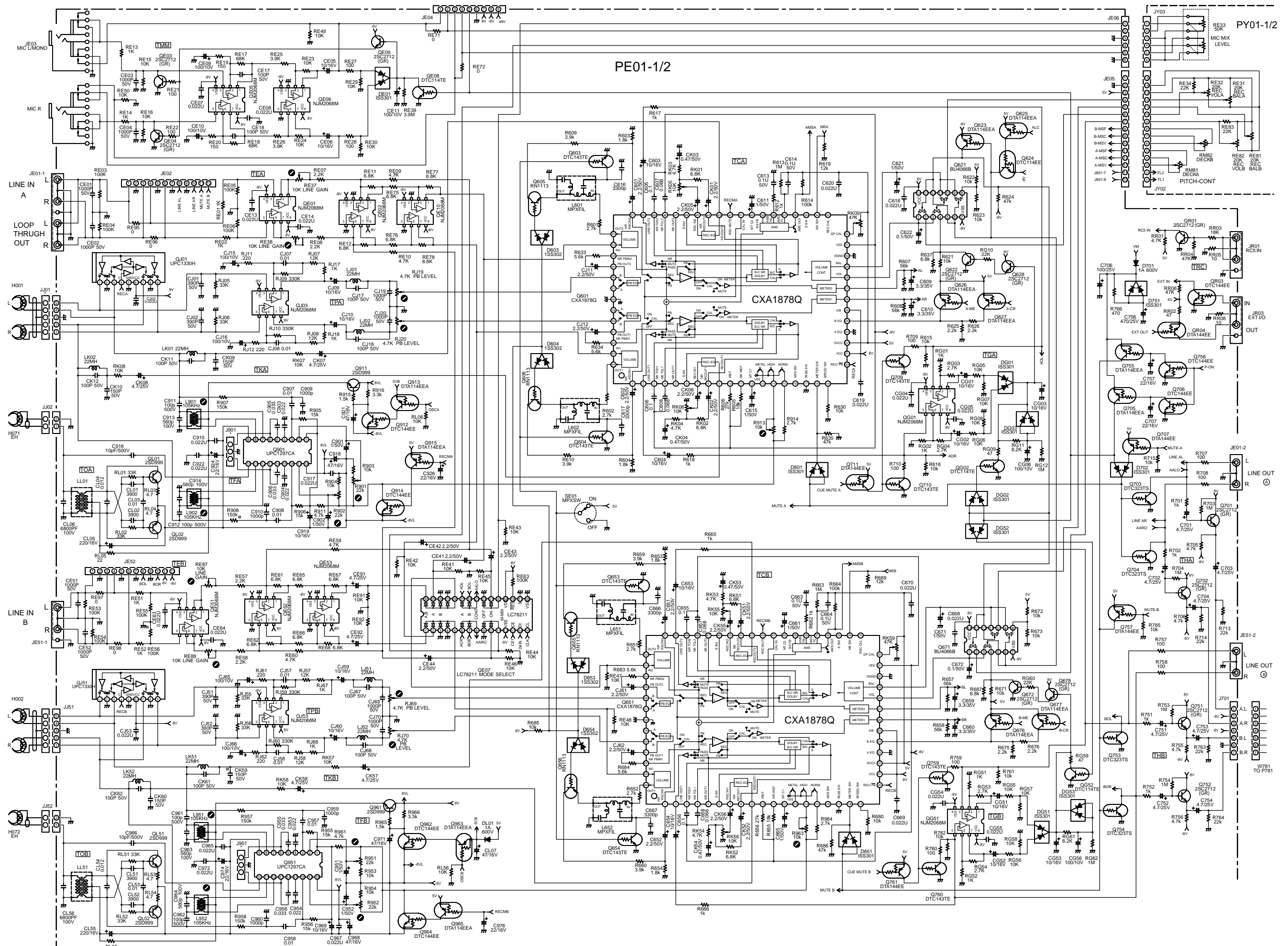
**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

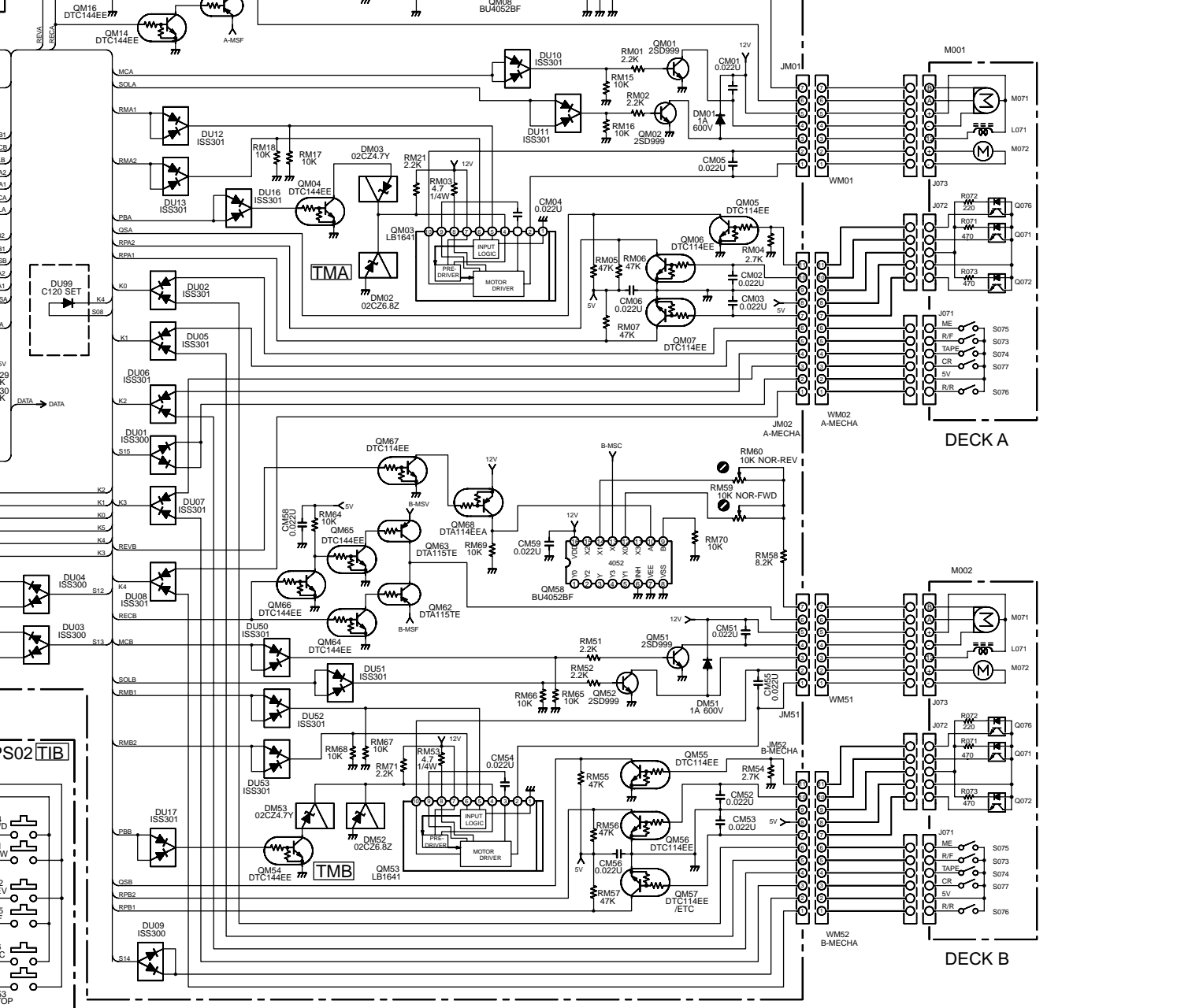
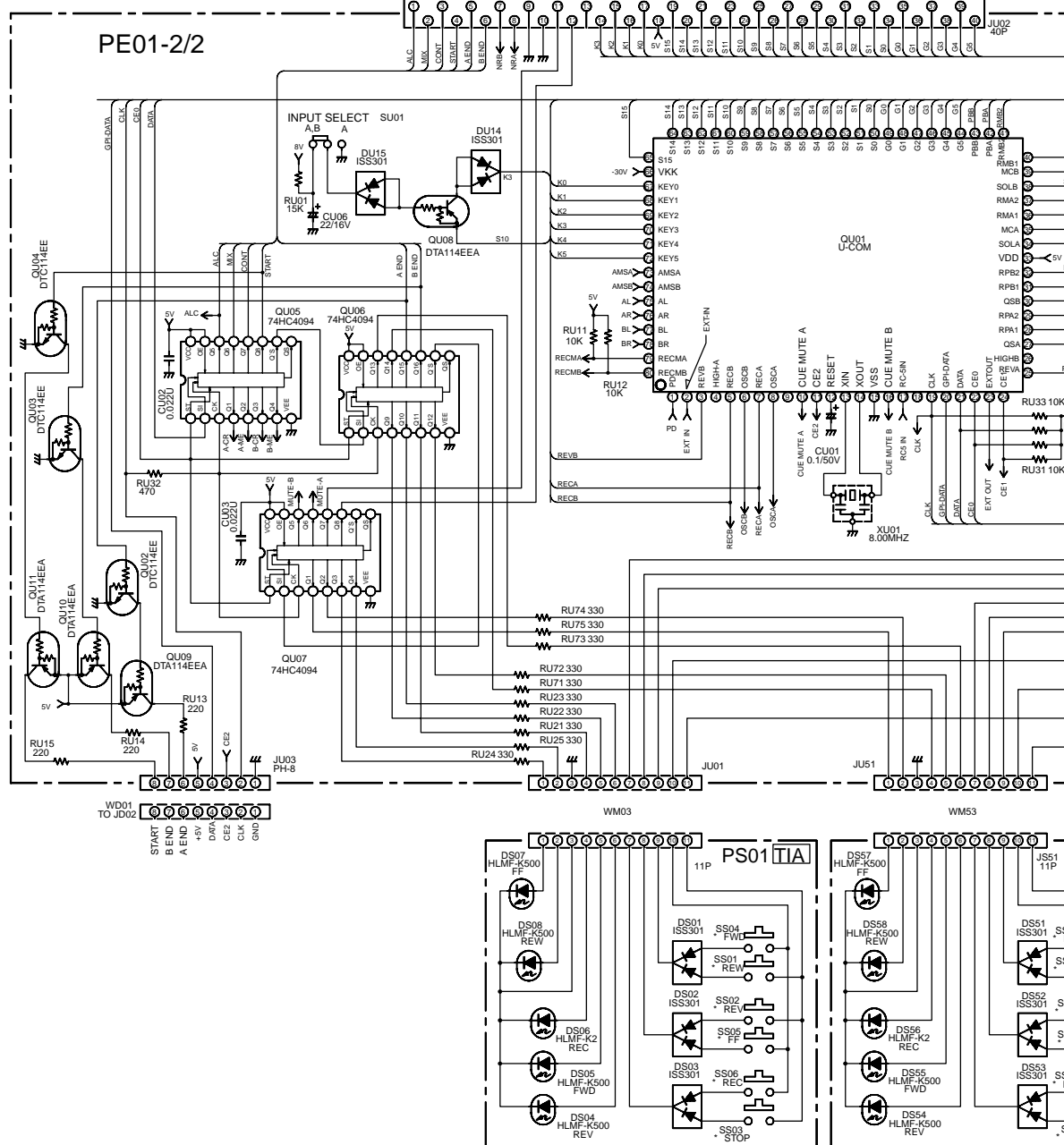
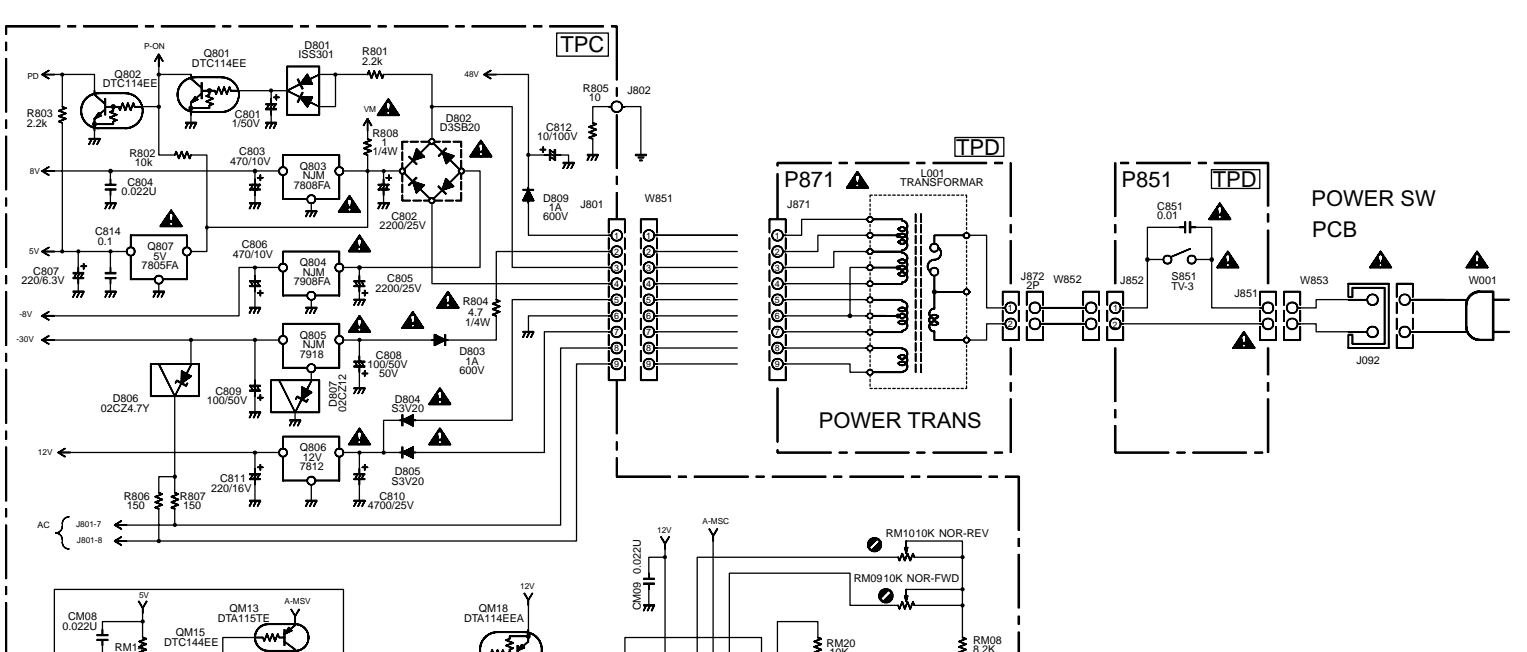
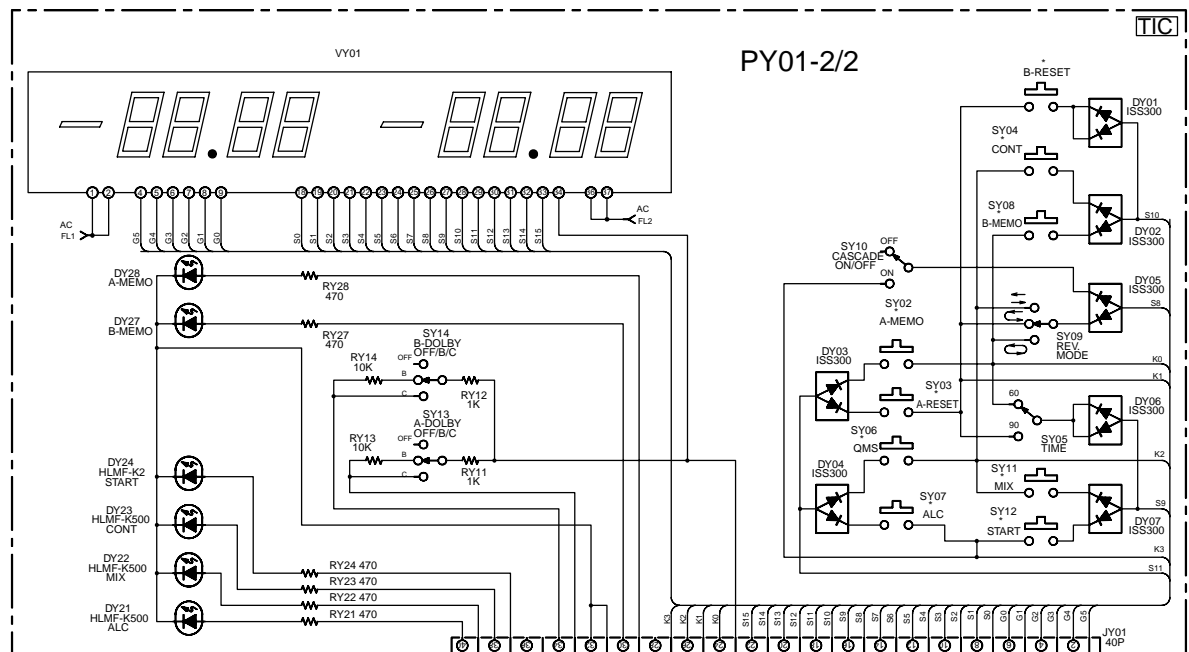
Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

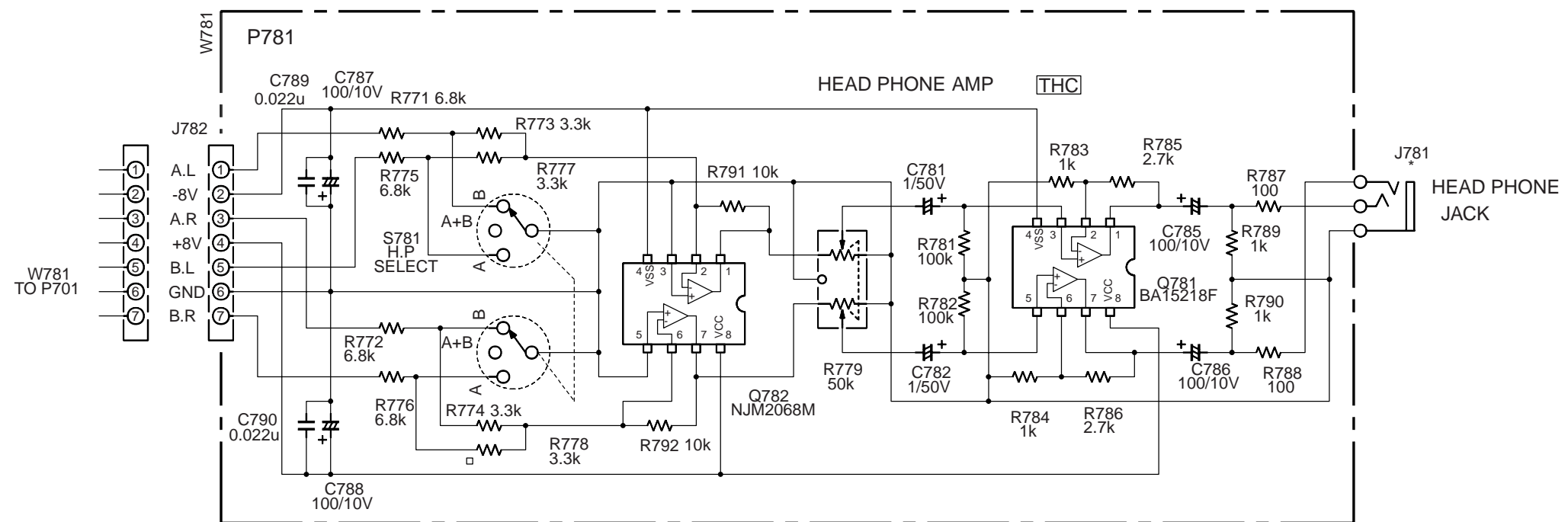
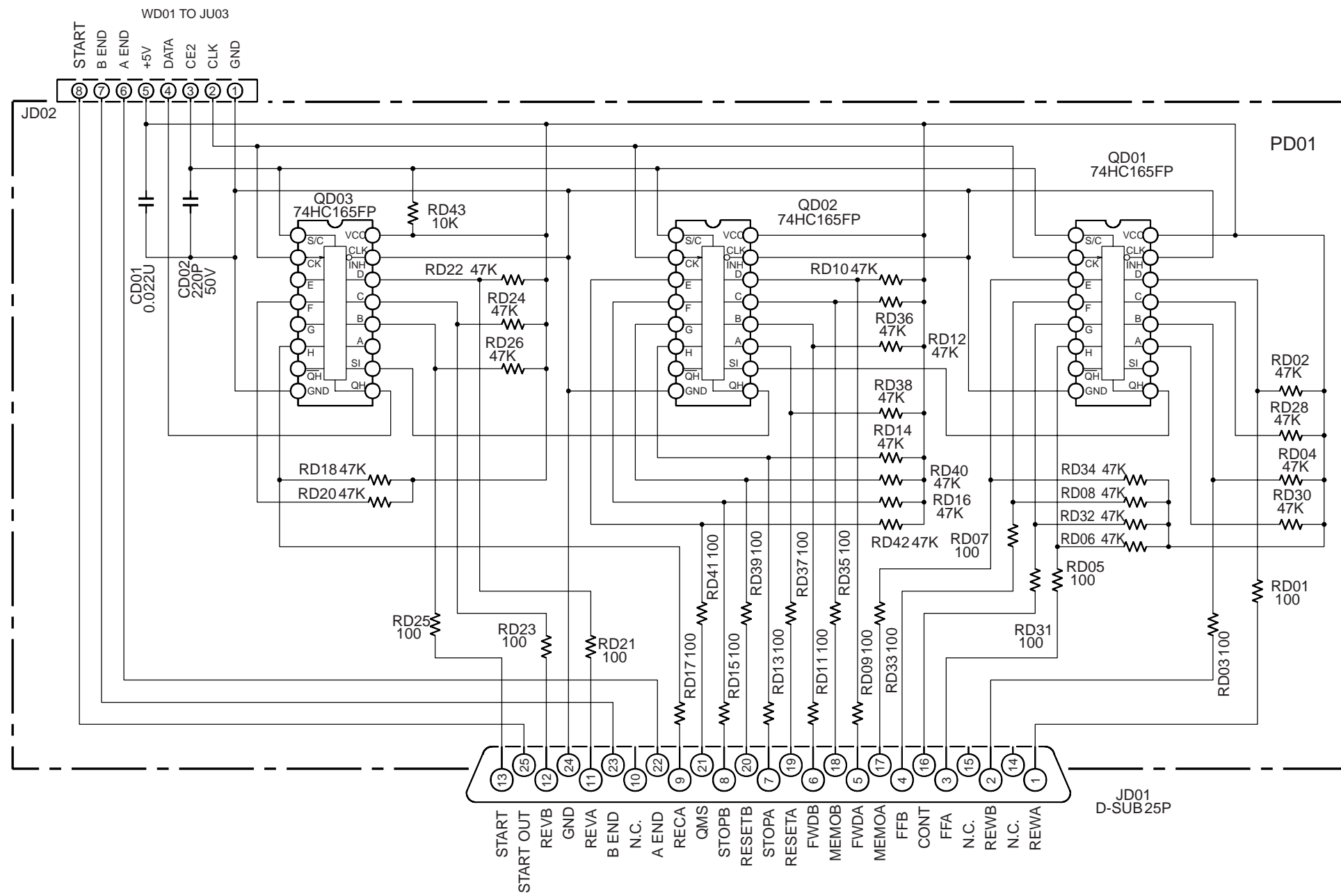
Ref. UL Standard No. 1492.

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

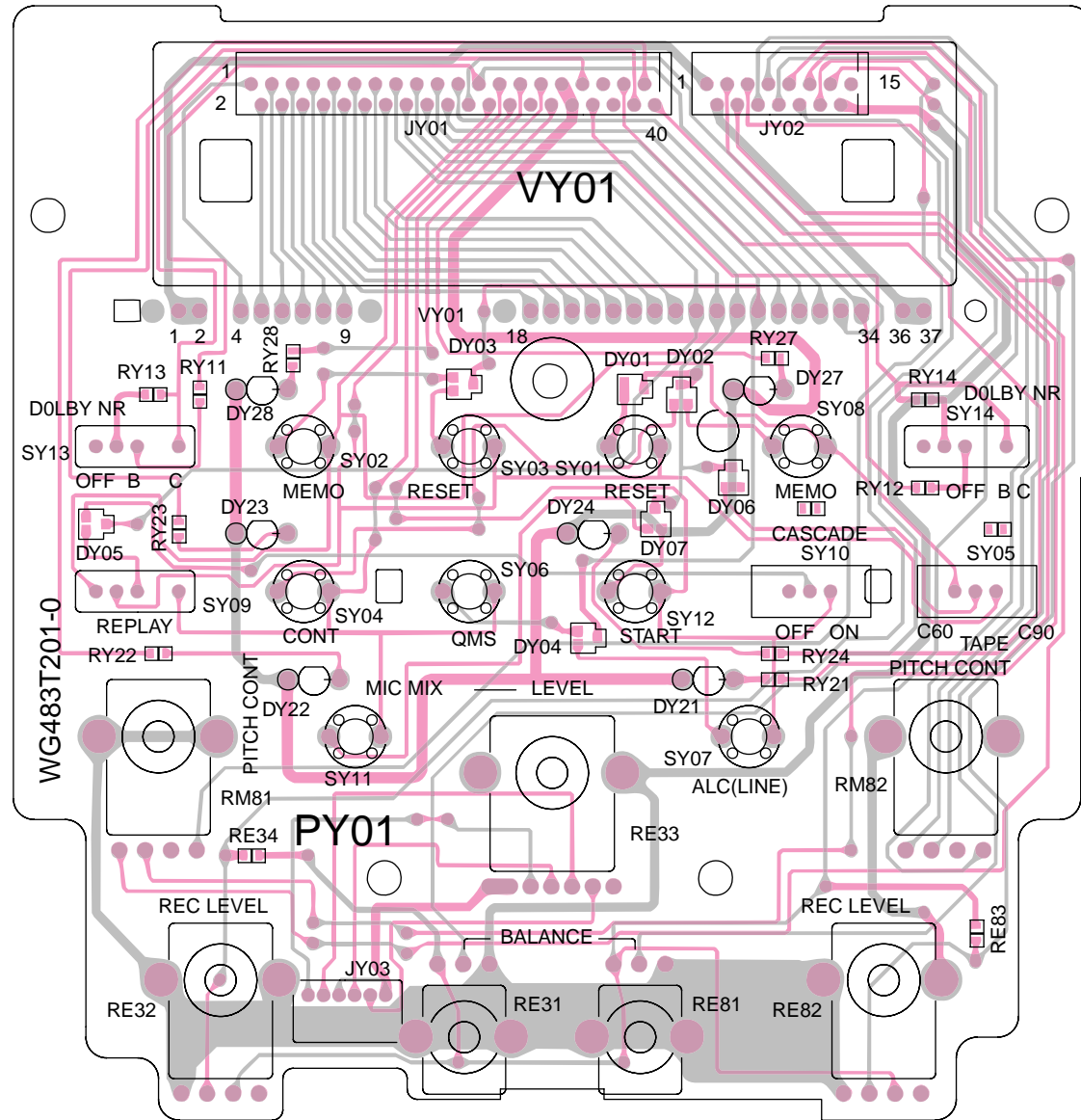
# 1. SCHEMATIC DIAGRAM AND PARTS LOCATION (Pattern Side)







PY01



2. DIFFERENCE PARTS LIST

PCB NO	POS. NO	CODE PMD511	CODE PMD511G	DESCRIPTION
	001B	479T248510	479T248520	FRONT AL PANEL ASSY
	002B	479T248010	N.A.	FRONT AL. PANEL
	002G	456T105200	N.A.	MAIN CHASSIS
	031B	479T270010	N.A.	MODE BUTTON
	034B	479T154010	N.A.	KNOB FOR DOLBY/REV.
PD01	RD19	NN05101610	N.A.	100 OHM ±5% 1/16W
PD01	RD27	NN05101610	N.A.	100 OHM ±5% 1/16W
PD01	RD29	NN05101610	N.A.	100 OHM ±5% 1/16W
PE01	C681	EJ10601610	N.A.	10µF 16V
PE01	R631	NN05272610	N.A.	2.7k OHM ±5% 1/16W
PE01	R632	NN05272610	N.A.	2.7k OHM ±5% 1/16W
PE01	R681	NN05272610	N.A.	2.7k OHM ±5% 1/16W
PE01	R682	NN05272610	N.A.	2.7k OHM ±5% 1/16W
PE01	RM11	NN05223610	N.A.	22k OHM ±5% 1/16W
PE01	RM12	RA01030780	N.A.	TRIM RES. 10k OHM
PE01	RM13	RA01030780	N.A.	TRIM RES. 10k OHM
PE01	RM61	NN05223610	N.A.	22k OHM ±5% 1/16W
PE01	RM62	RA01030780	N.A.	TRIM RES. 10k OHM
PE01	RM63	RA01030780	N.A.	TRIM RES. 10k OHM
PE01	D655	HZ30025050	N.A.	02CZ10Y 10V ZENER
PE01	Q602	BA21102000	N.A.	DTC114EE RN1102 10K-10K
PE01	Q607	BA12113000	N.A.	DTA144TE RN2123 UN9110
PE01	Q608	BA12113000	N.A.	DTA144TE RN2123 UN9110
PE01	Q652	BA21102000	N.A.	DTC114EE RN1102 10K-10K
PE01	Q657	BA12113000	N.A.	DTA144TE RN2123 UN9110
PE01	Q658	BA12113000	N.A.	DTA144TE RN2123 UN9110
PE01	Q659	BA21110000	N.A.	RN1110/DTC143TE
PE01	QM19	BA21102000	N.A.	DTC114EE RN1102 10K-10K
PE01	QM20	BA12102000	N.A.	DTA114EE RN2102 10K-10K
PE01	QM69	BA21102000	N.A.	DTC114EE RN1102 10K-10K
PE01	QM70	BA12102000	N.A.	DTA114EE RN2102 10K-10K
PE01	QU01	HU479TT00F	*HS479TT0R	TMP87PS71F 60K BYTE OTP PROGRAMMED
PY01	SY05	SP01013310	SS01020470	SSS312
PY01	SY10	SP01013310	N.A.	TACT SW. SKQNAEH/5MM 160GF

PCB(PY01) PARTS LIST

PCB NO	POS. NO	PARTS CODE	DESCRIPTION
PY01	RE31	RK02031070	A-CH REC BAL
PY01	RE32	RK02031080	A-CH REC LEVEL RK11K114 ALPS
PY01	RE33	RM02030540	A/B CH MIC MIX LEVEL
PY01	RE34	NN05223610	22k OHM ±5% 1/16W
PY01	RE81	RK02031070	B-CH REC BAL
PY01	RE82	RK02031080	B-CH REC LEVEL RK11K114 ALPS
PY01	RE83	NN05223610	22k OHM ±5% 1/16W
PY01	RM81	RK05020560	PITCH CONT RK11K114 W-CLIK/TAP
PY01	RM82	RK05020560	PITCH CONT RK11K114 W-CLIK/TAP
PY01	RY11	NN05102610	1k OHM ±5% 1/16W
PY01	RY12	NN05102610	1k OHM ±5% 1/16W
PY01	RY13	NN05103610	10k OHM J 1/16W
PY01	RY14	NN05103610	10k OHM J 1/16W
PY01	RY21	NN05471610	470 OHM J 1/16W
PY01	RY22	NN05471610	470 OHM J 1/16W
PY01	RY23	NN05471610	470 OHM J 1/16W
PY01	RY24	NN05471610	470 OHM J 1/16W
PY01	RY25	NN05471610	470 OHM J 1/16W
PY01	RY26	NN05471610	470 OHM J 1/16W
PY01	RY27	NN05471610	470 OHM J 1/16W
PY01	RY28	NN05471610	470 OHM J 1/16W
PY01	DY01	HZ21006000	DIODE DAP202U 1SS300
PY01	DY02	HZ21006000	DIODE DAP202U 1SS300
PY01	DY03	HZ21006000	DIODE DAP202U 1SS300
PY01	DY04	HZ21006000	DIODE DAP202U 1SS300
PY01	DY05	HZ21006000	DIODE DAP202U 1SS300
PY01	DY06	HZ21006000	DIODE DAP202U 1SS300
PY01	DY07	HZ21006000	DIODE DAP202U 1SS300
PY01	DY21	HI10008340	LED HLMF-K500 GRN ALC
PY01	DY22	HI10008340	LED HLMF-K500 GRN MIC-MIX
PY01	DY23	HI10008340	LED HLMF-K500 GRN CONT
PY01	DY24	HI10005340	LED HLMF-K200 RED A+B
PY01	DY25	HI10005340	LED HLMF-K200 RED NORM-SPEED
PY01	DY26	HI10005340	LED HLMF-K200 RED HIGH-SPEED
PY01	DY27	HI10008340	LED HLMF-K500 GRN B-MEMO
PY01	DY28	HI10008340	LED HLMF-K500 GRN A-MEMO
PY01	SY01	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY02	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY03	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY04	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY05	SS01020470	SSS312
PY01	SY06	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY07	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY08	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY09	SS01030110	SLIDE SW REV-MODE REPEAT
PY01	SY10	SS01020470	SSS312
PY01	SY11	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY12	SP01013310	TACT SW. SKQNAEH/5MM 160GF
PY01	SY13	SS01030110	SLIDE SW B-CH DOLBY OFF-B-C
PY01	SY14	SS01030110	SLIDE SW A-CH DOLBY OFF-B-C
PY01	VY01	HQ30605060	FL FIP10CAM6 NEC