Ref. No. 3708
092001

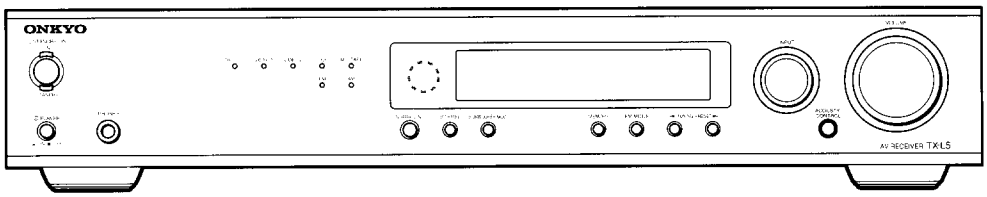
ONKYO® SERVICE MANUAL

Schematic diagram & Printed circuit board view only

PCB Component Layout

AV RECEIVER

MODEL TX-L5



Silver and Titan models

SMDD,SMDT	120 V AC, 60 Hz
TMPP,SMPA	230-240 V AC, 50 Hz
SMGT,SMGR	220-230 V AC, 50 Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAMS ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK.
REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN MANUAL.
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

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ONKYO®
IMAGINATIVE SIGHT & SOUND

A B C D

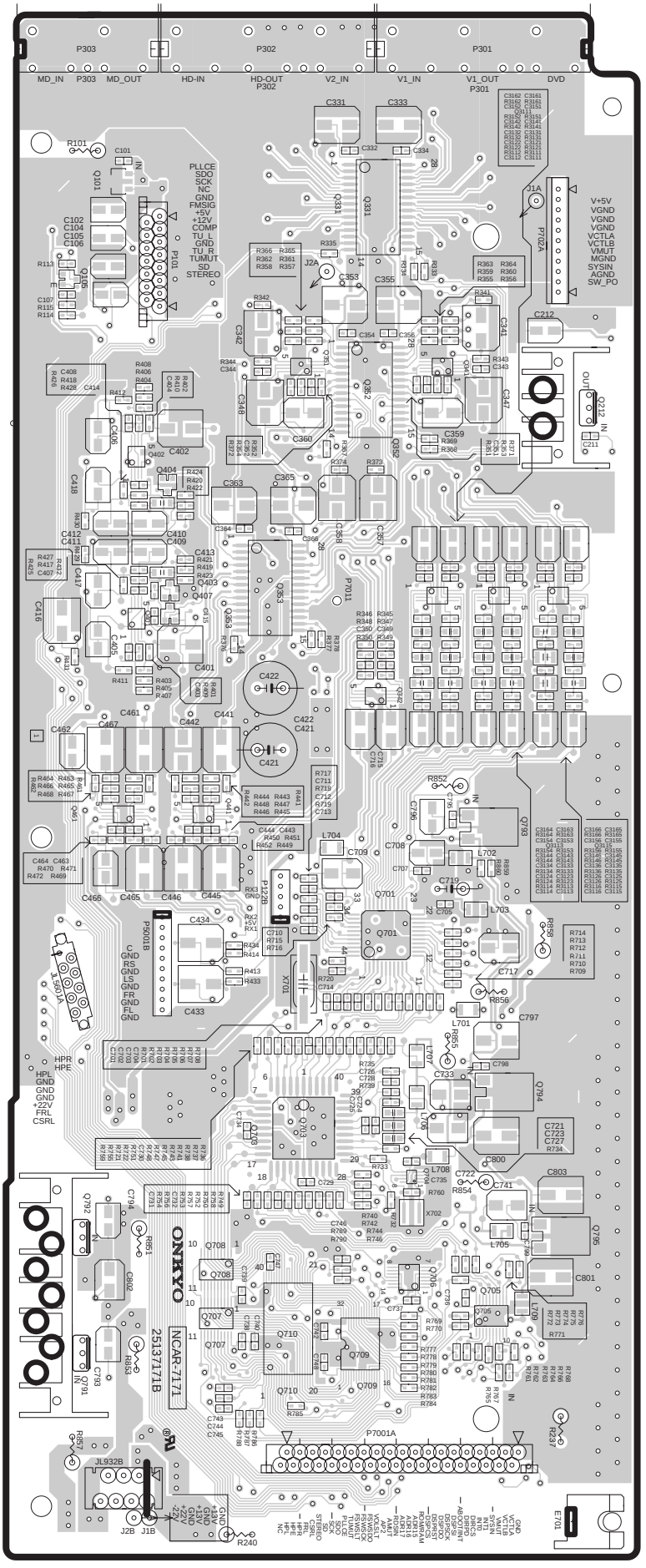
1 2 3 4 5

PC BOARD VIEW

U11

MAIN CIRCUIT PC BOARD

PARTS SIDE A
PCB SIDE A



15mm Loca_Ver.1

A B C D

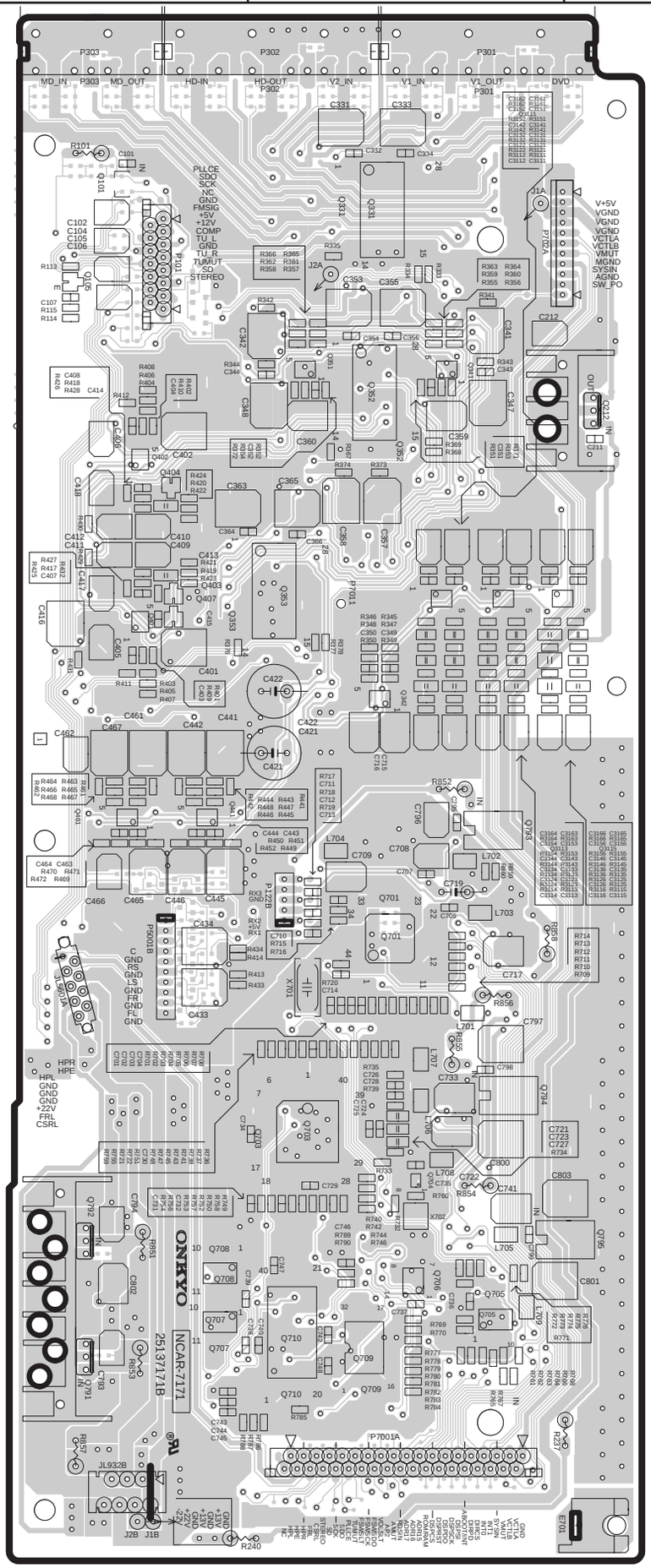
1 2 3 4 5

PC BOARD VIEW

U11

MAIN CIRCUIT PC BOARD

PARTS SIDE A
PCB SIDE B



10mm

15mm

A B C D

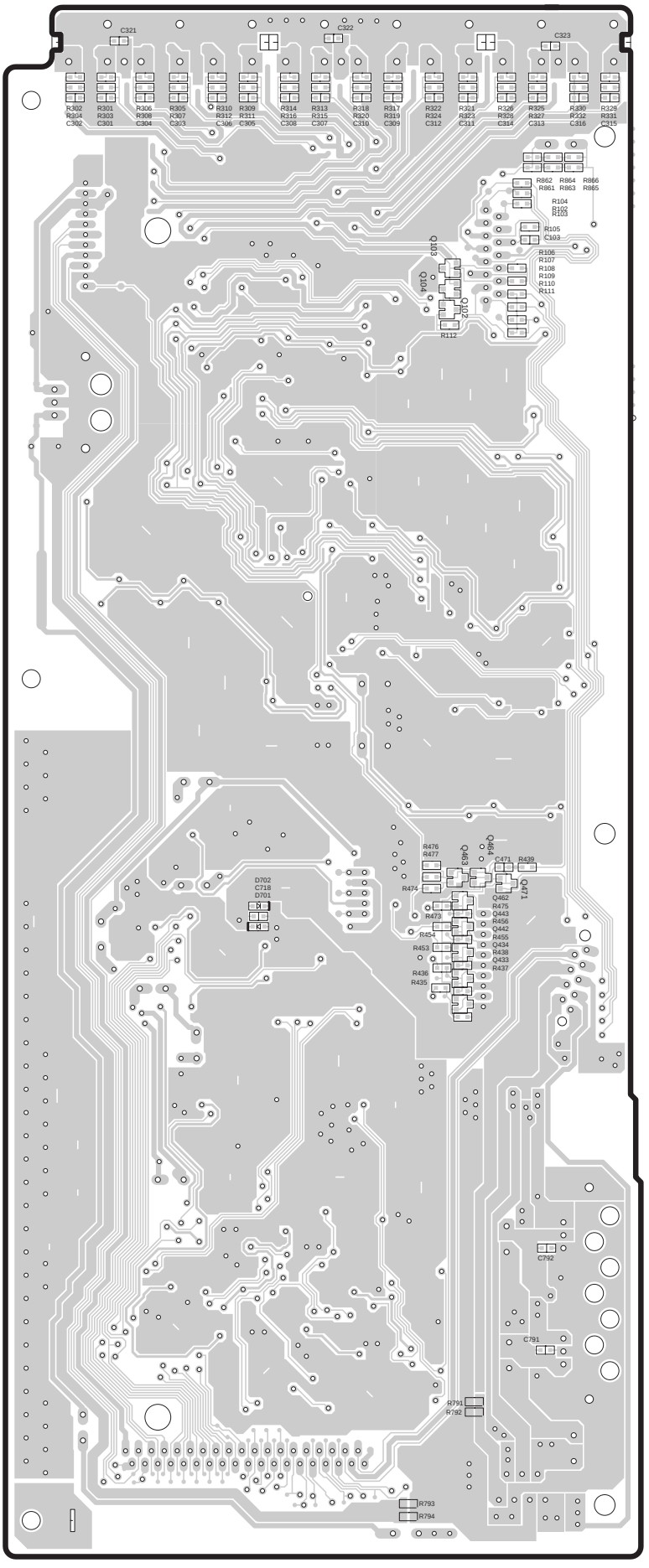
1 2 3 4 5

PC BOARD VIEW

U11

MAIN CIRCUIT PC BOARD

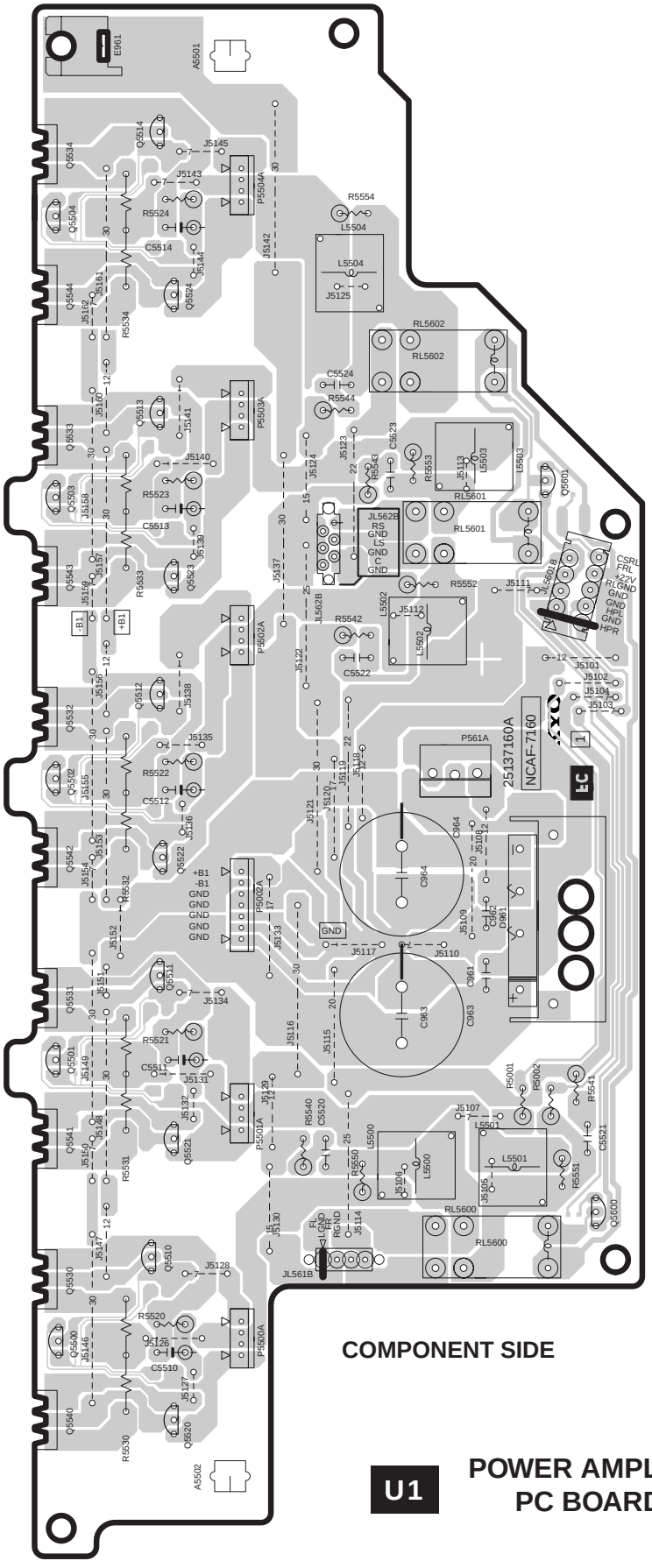
PARTS SIDE B
PCB SIDE B



A B C D

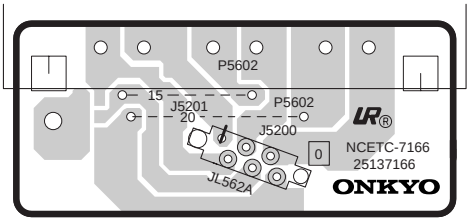
1 2 3 4 5

PRINTED CIRCUIT BOARD VIEW FROM SLOLDRING SIDE 2-1



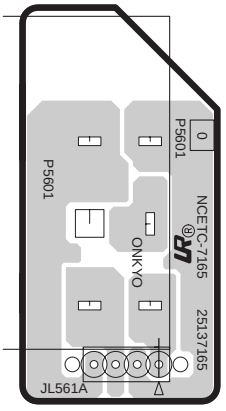
COMPONENT SIDE

U1 POWER AMPLIFIER PC BOARD



U7 COMPONENT SIDE

SURROUND SPEAKER TERMINAL PC BOARD



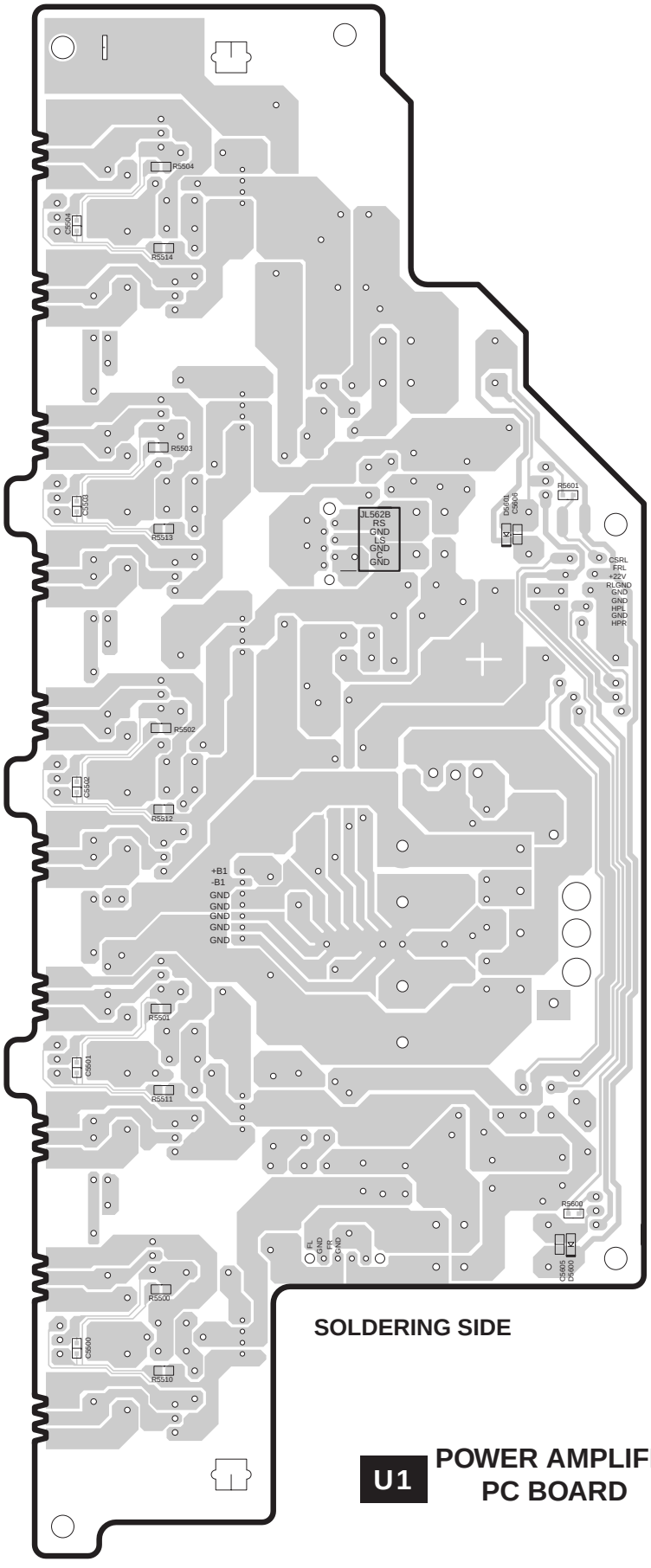
U6 COMPONENT SIDE

FRONT SPEAKER TERMINAL PC BOARD

A B C D

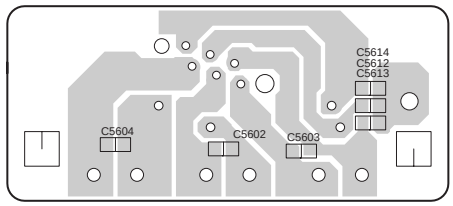
1 2 3 4 5

PRINTED CIRCUIT BOARD VIEW FROM SLOLDRING SIDE 2-2



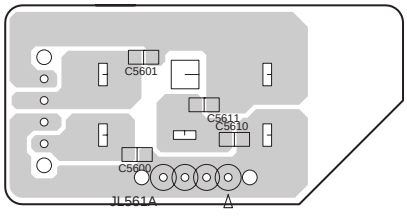
SOLDERING SIDE

U1 POWER AMPLIFIER PC BOARD



U7 SOLDERING SIDE

SURROUND SPEAKER TERMINAL PC BOARD



U6 SOLDERING SIDE

FRONT SPEAKER TERMINAL PC BOARD

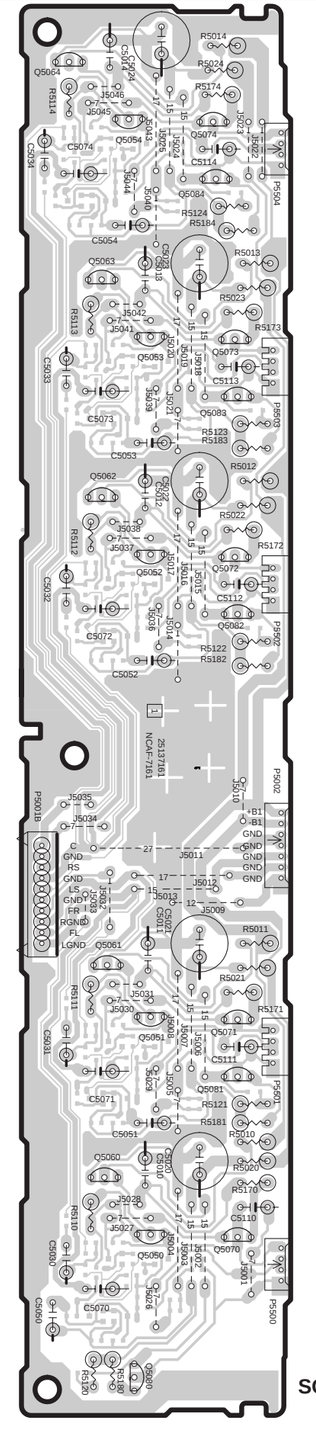
A B C D

1 2 3 4 5

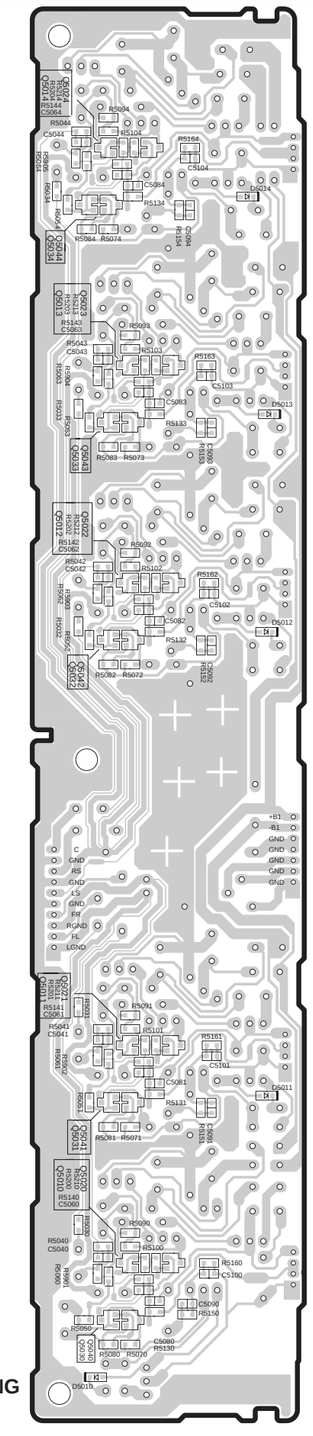
PC BOARD VIEW 2-3 FROM SOLDERING SIDE

U2

DRIVER CIRCUIT PC BOARD



COMPONENT SIDE

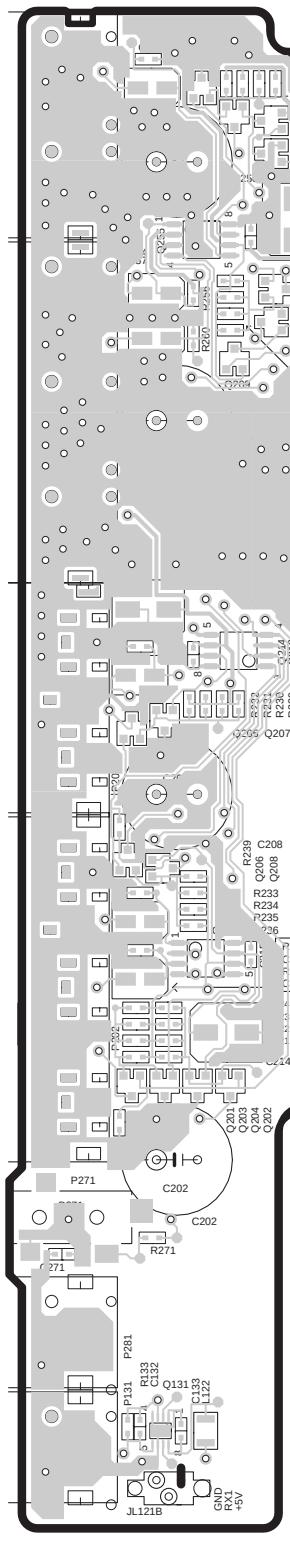


SOLDERING SIDE

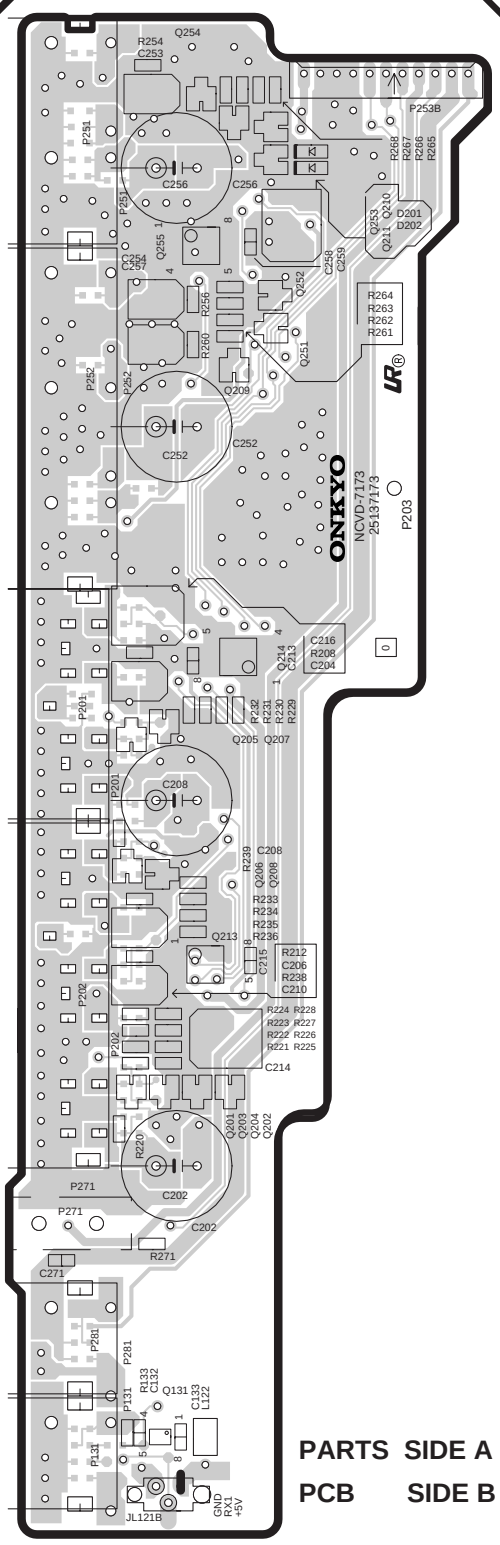
A B C D

1 2 3 4 5

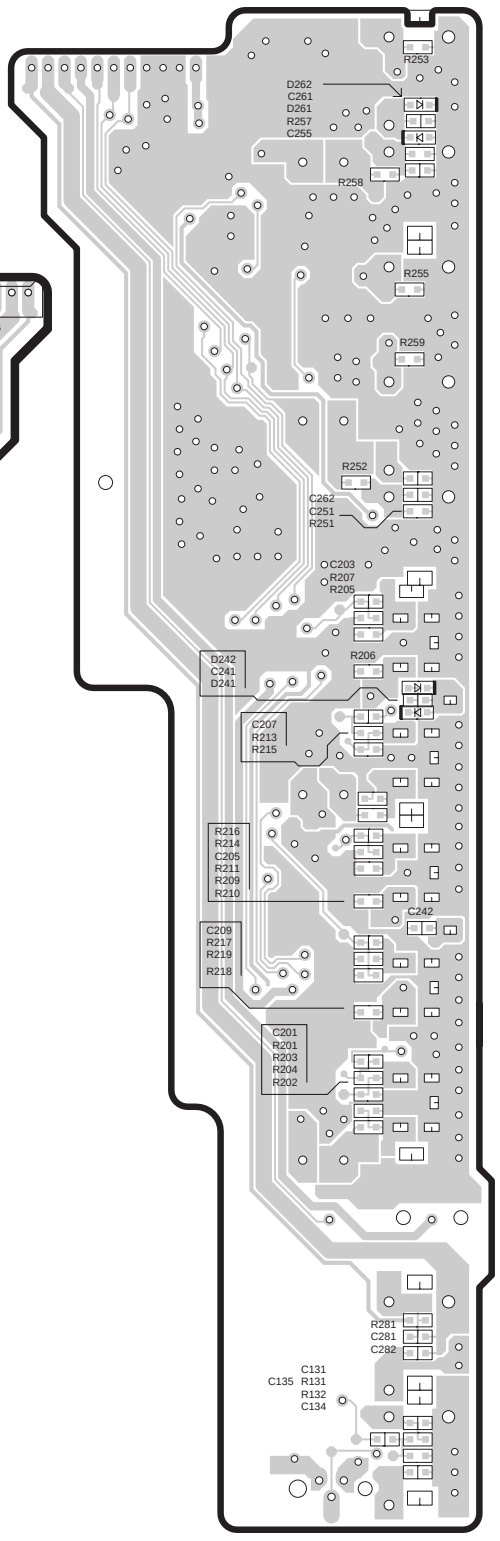
PRINTED CIRUCIT BOARD VIEW 3-3



PARTS SIDE A
PCB SIDE A



PARTS SIDE A
PCB SIDE B



PARTS SIDE B
PCB SIDE B

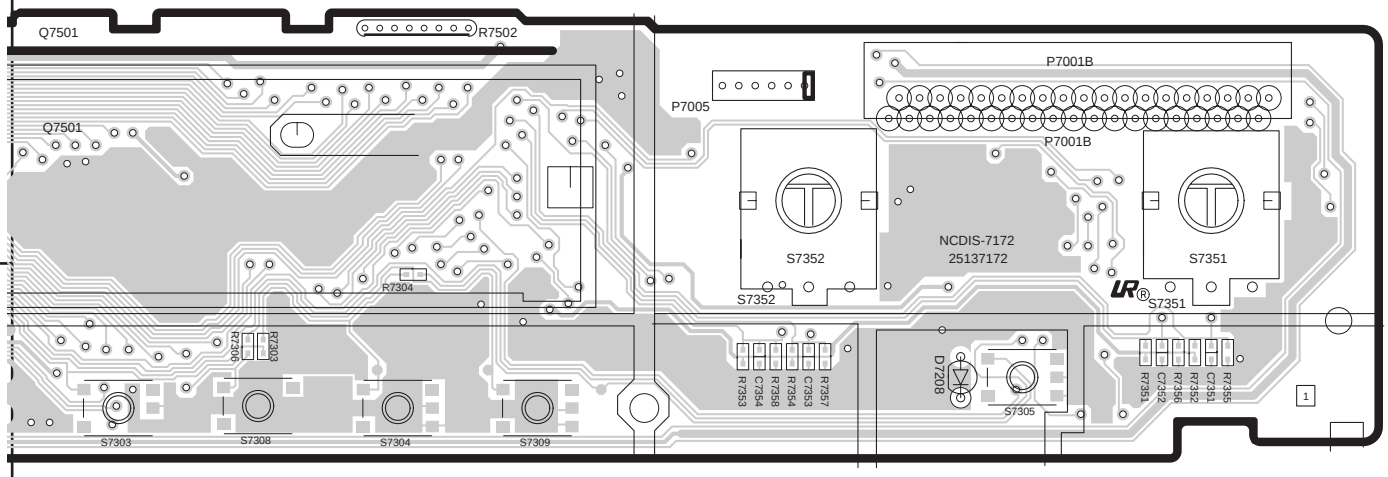
U13 VIDEO TERMINAL PC BOARD

A B C D

PRINTED CIRCUIT BOARD VIEW 4-2

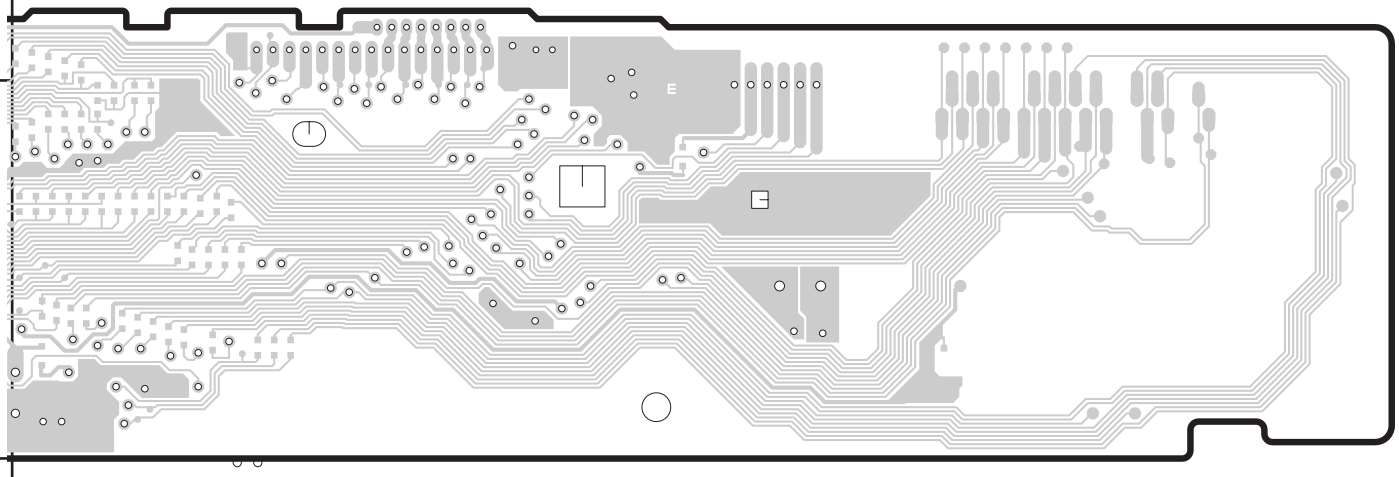
1

2



PARTS SIDE A PCB SIDE A

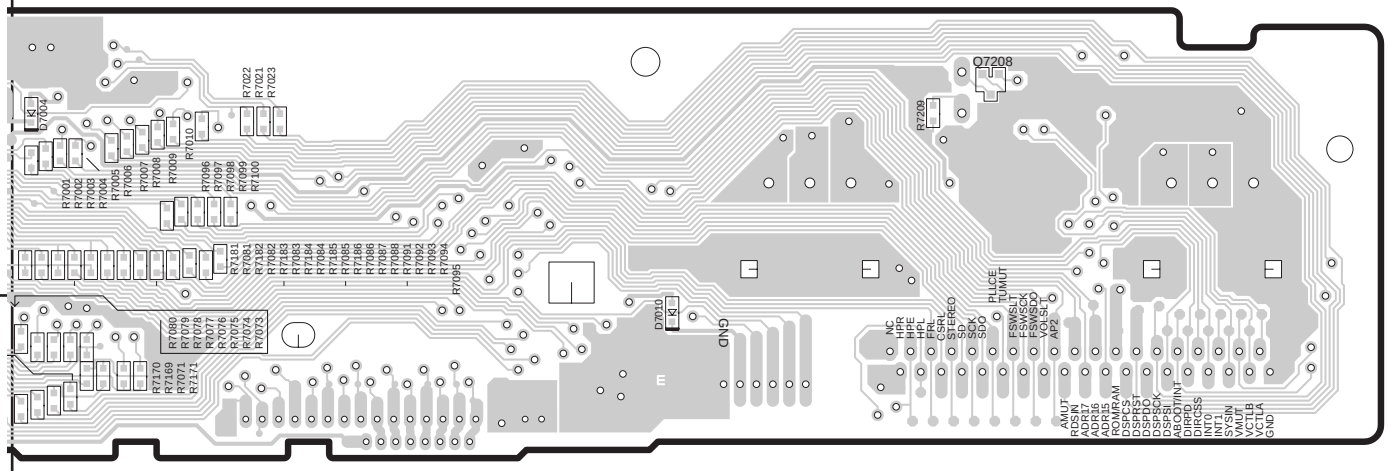
3



PARTS SIDE A PCB SIDE B

4

5



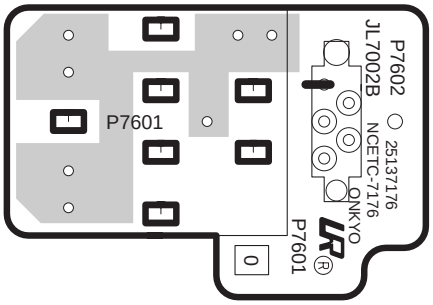
PARTS SIDE B PCB SIDE B

U12 DISPLAY CIRCUIT PC BOARD

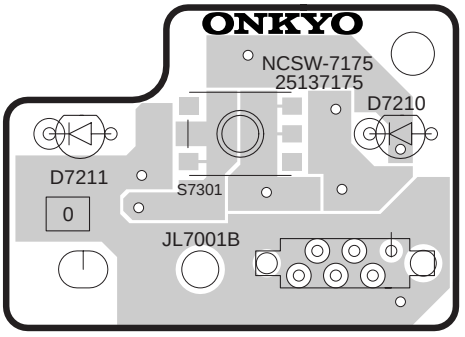
A B C D

1 2 3 4 5

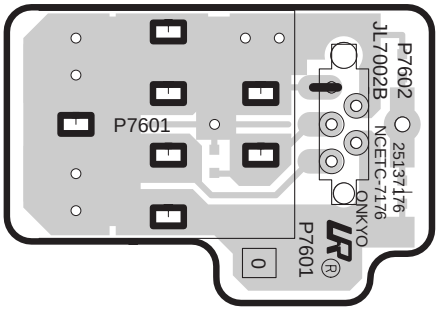
PRINTED CIRCUIT BOARD VIEW 4-3



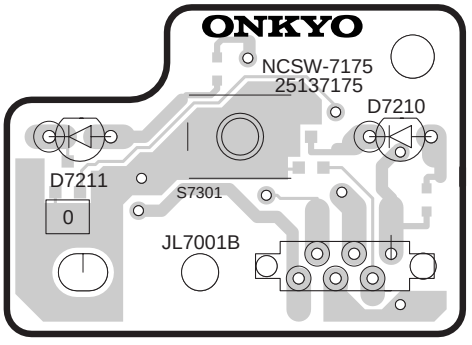
PARTS SIDE A PCB SIDE A



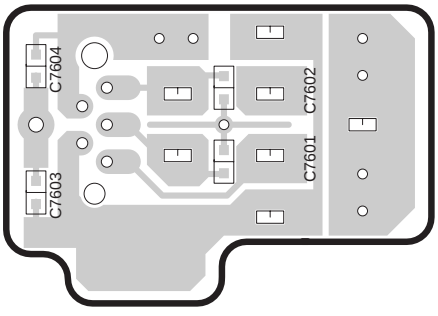
PARTS SIDE A PCB SIDE A



PARTS SIDE A PCB SIDE B

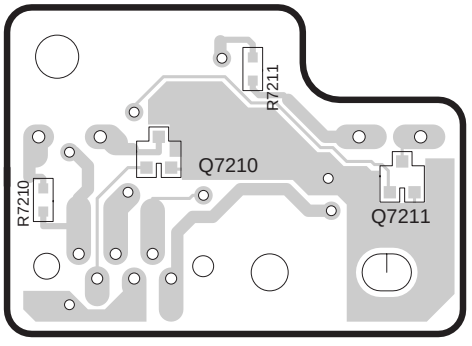


PARTS SIDE A PCB SIDE B



PARTS SIDE B PCB SIDE B

U16 HEADPHONE PC BOARD



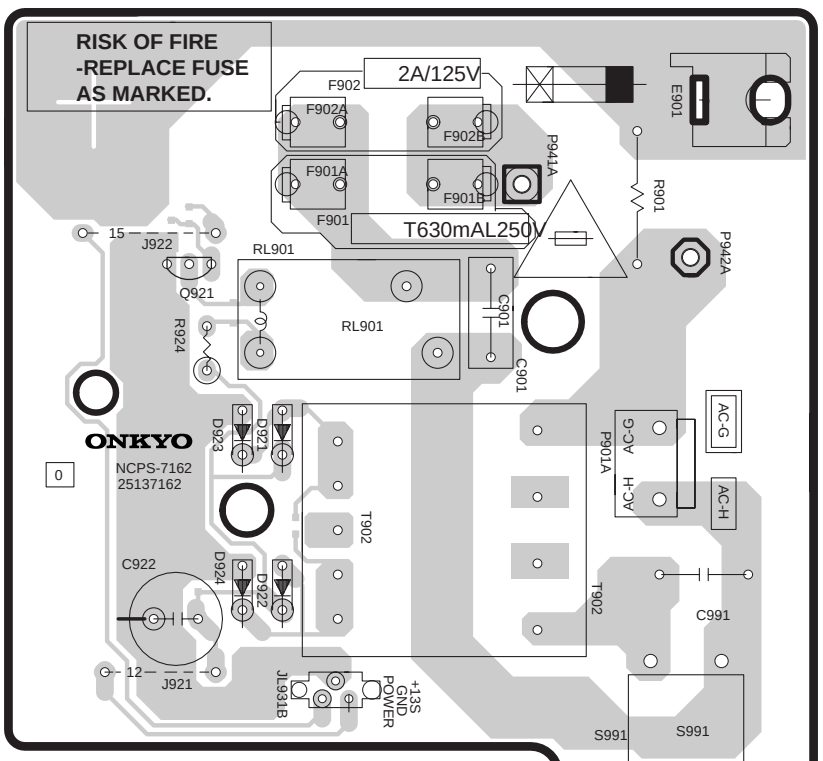
PARTS SIDE B PCB SIDE B

U14 STANDBY SWITCH PC BOARD

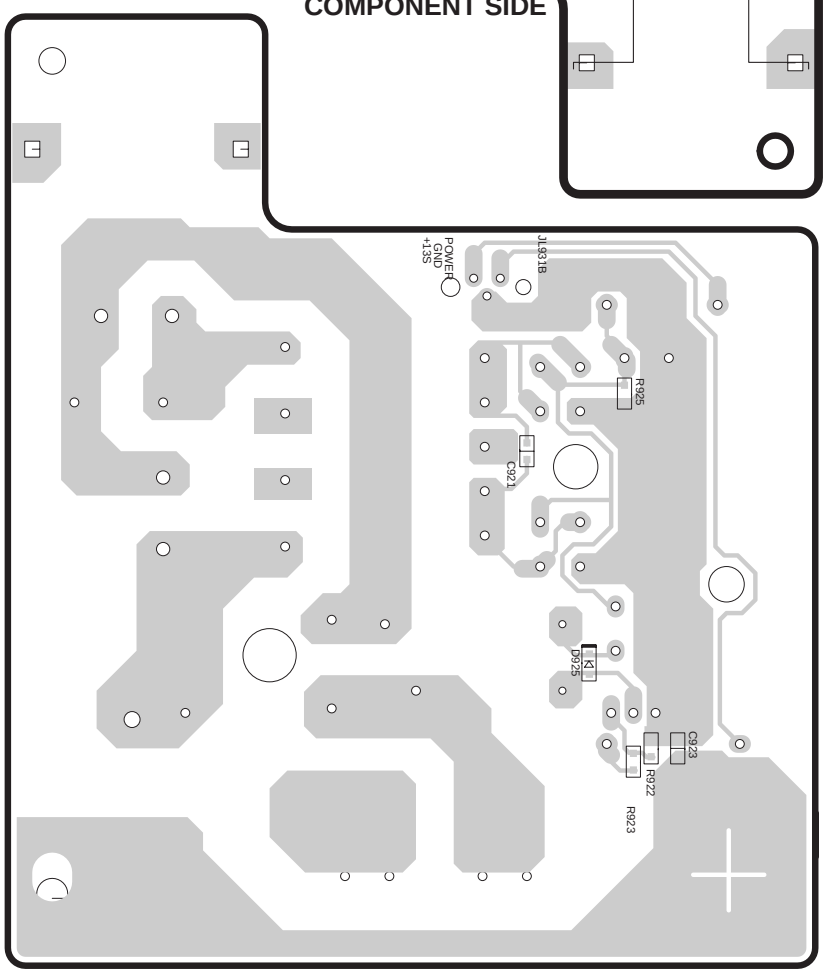
A B C D

1 2 3 4 5

PRINTED CIRCUIT BOARD VIEW 3-1

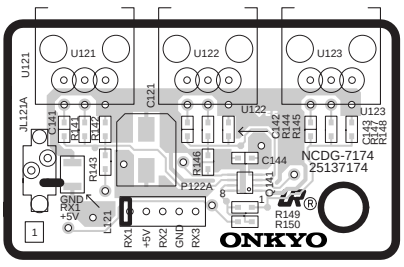


COMPONENT SIDE

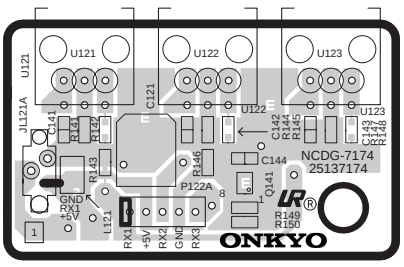


U3 PRIMARY CIRUCIT PC BOARD

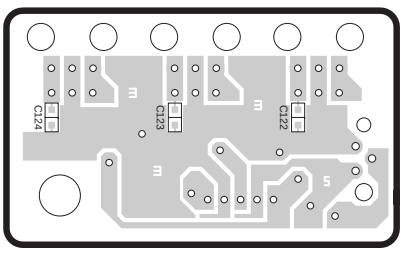
SOLDERING SIDE



PARTS SIDE A
PCB SIDE A



PARTS SIDE A
PCB SIDE B



PARTS SIDE B
PCB SIDE B

U14 OPTICAL INPUT TERMINAL PC BOARD