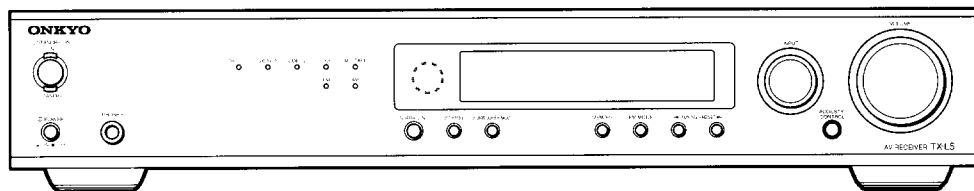


ONKYO® SERVICE MANUAL

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,SMPP	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.

TABLE OF CONTENTS

Service procedures	2
Block diagram	3
Schematic diagrams.....	5
Preamplifier section.....	5
DSP section.....	9
Power amp. section.....	13
Power supply & Video sections.....	17
Display section.....	21
PC board views.....	7
Pre., and DSP section.....	7
Power amp. section.....	11
Power supply and Video sections.....	15
Display section.....	19
Wiring view.....	23

A

B

C

D

PRINTED CIRCUIT BOARD VIEW FROM SOLDERING SIDE 2-1

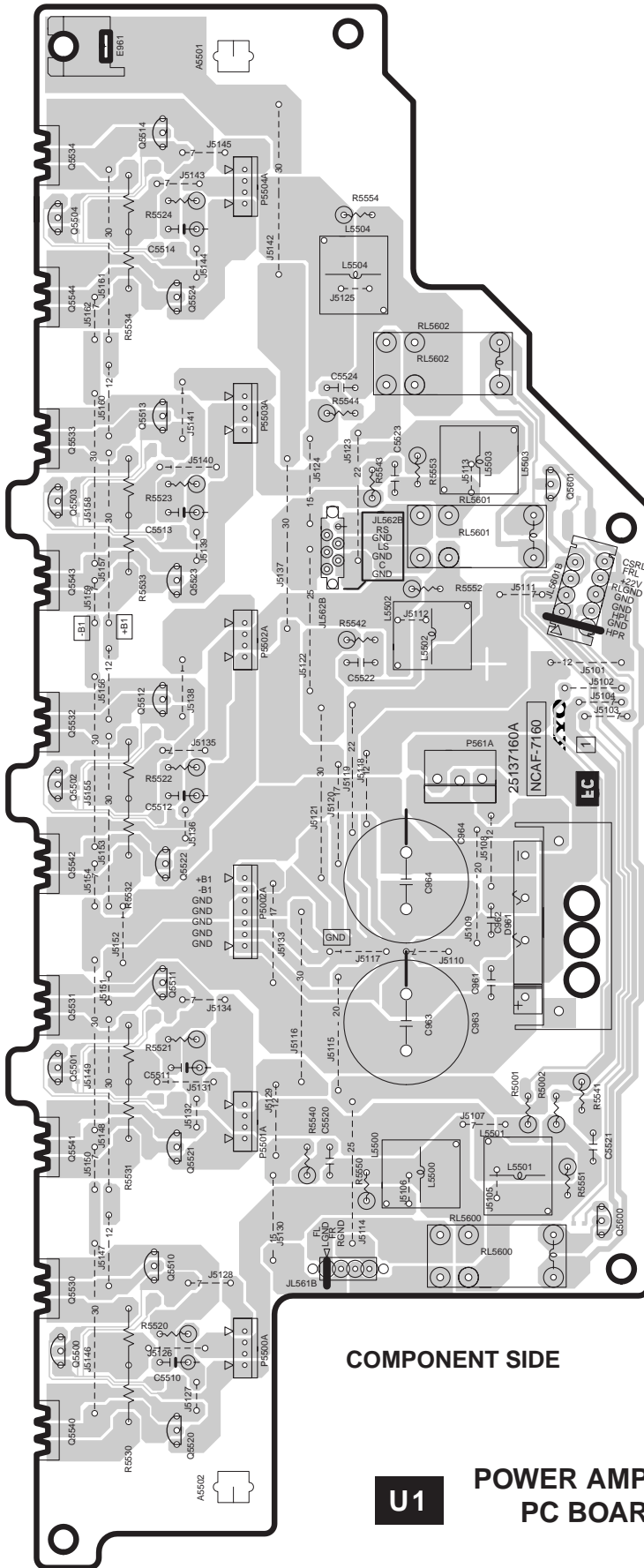
1

2

3

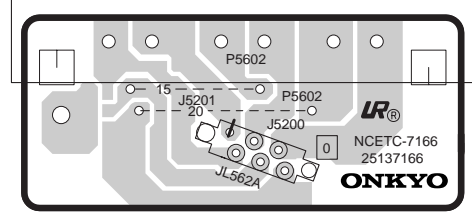
4

5

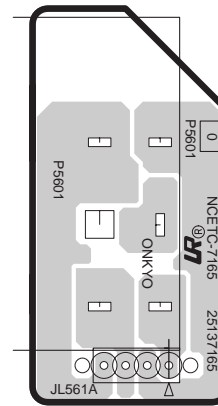


COMPONENT SIDE

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

PRINTED CIRCUIT BOARD VIEW FROM SOLDERING SIDE 2-2

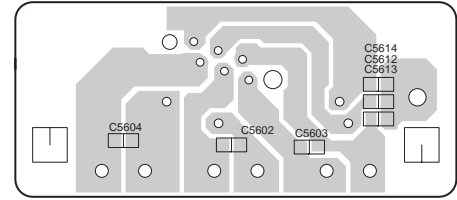
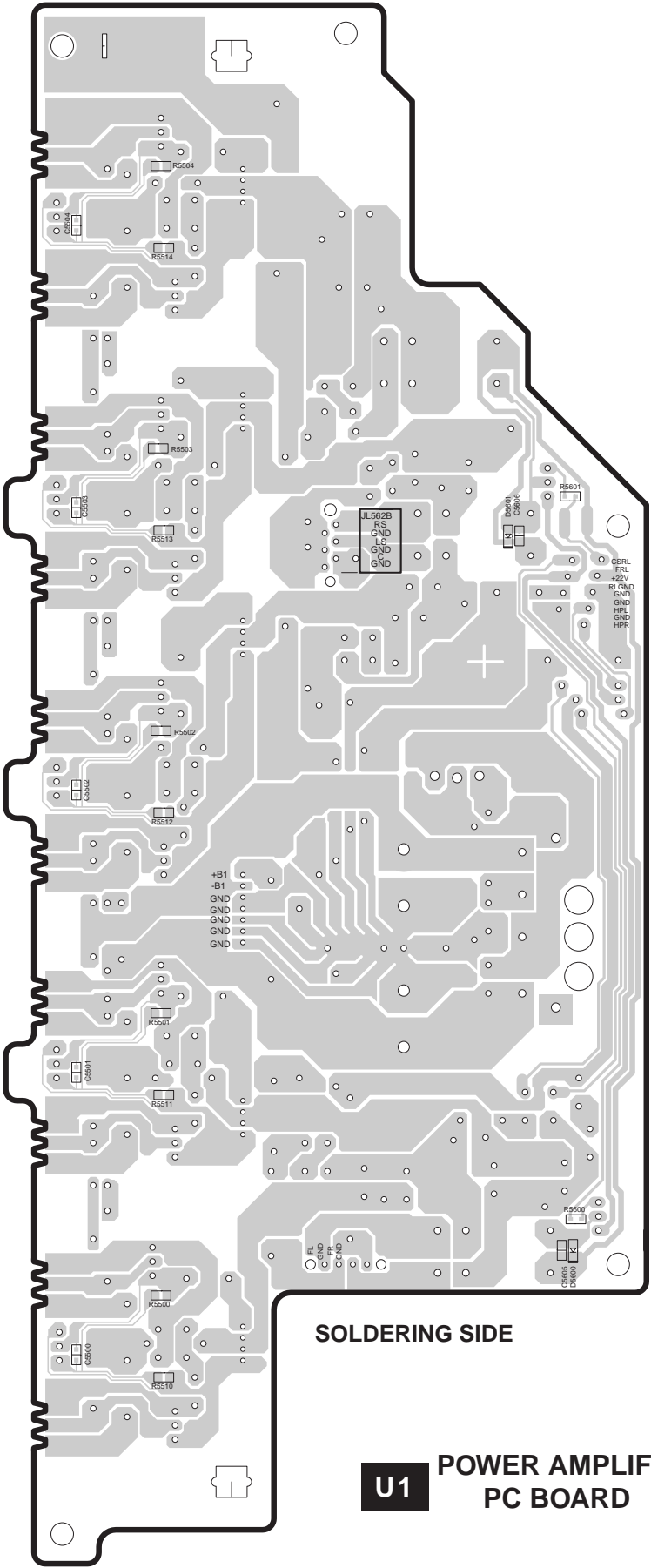
1

2

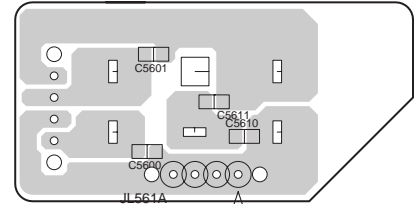
3

4

5



U7 SOLDERING SIDE
SURROUND SPEAKER
TERMINAL PC BOARD

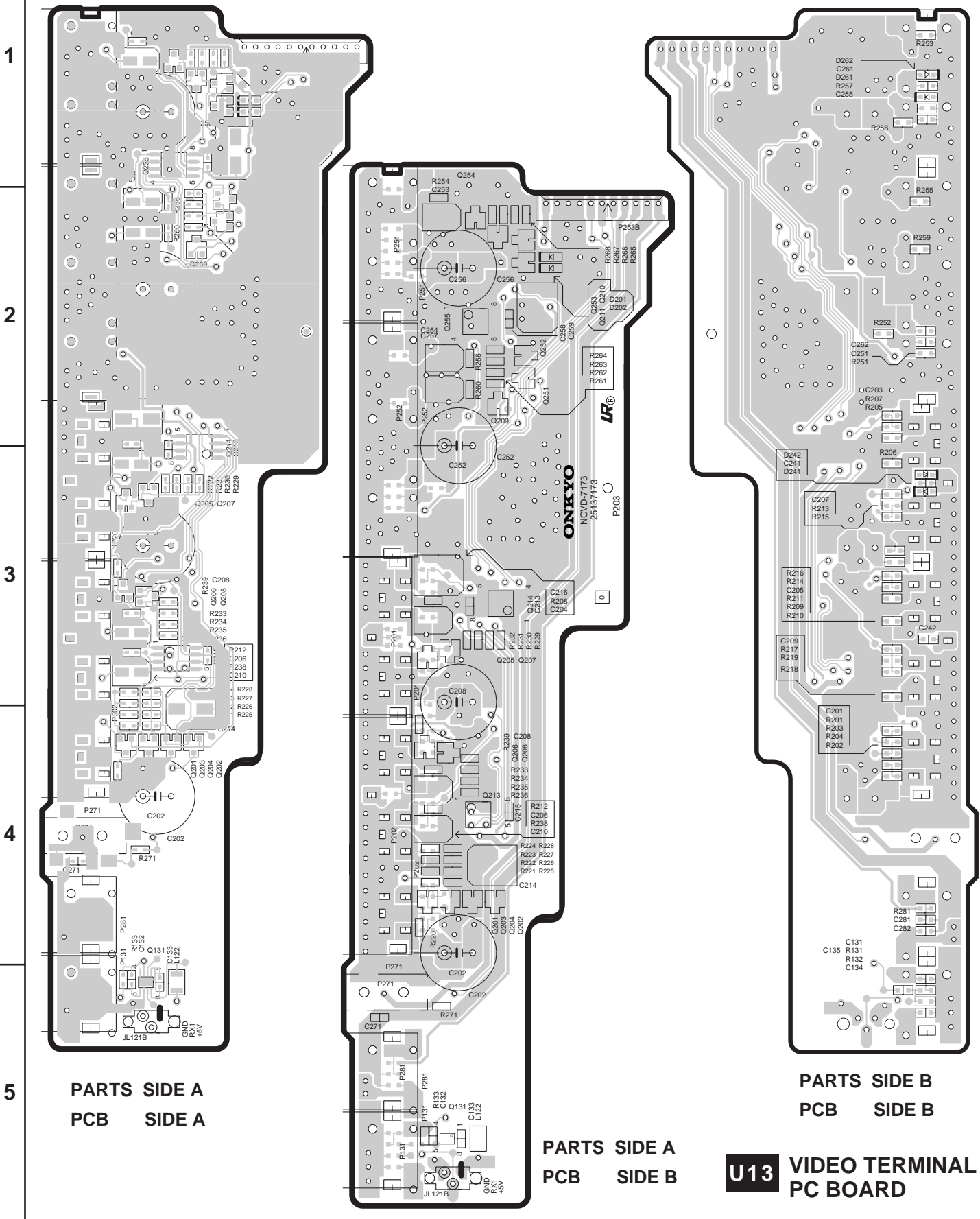


U6 SOLDERING SIDE
FRONT SPEAKER
TERMINAL PC BOARD

SOLDERING SIDE

U1 POWER AMPLIFIER
PC BOARD

PRINTED CIRCUIT 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

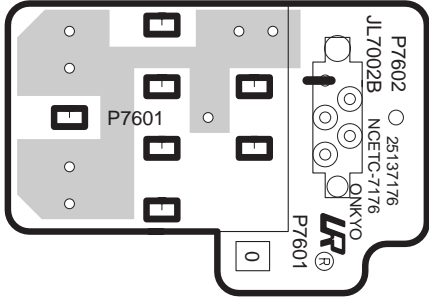
B

C

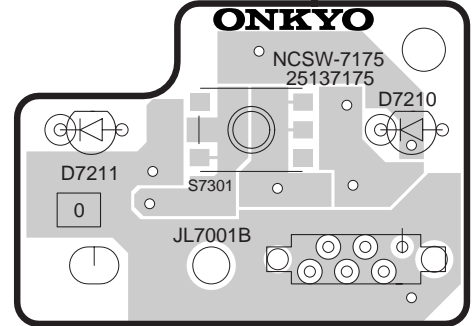
D

PRINTED CIRCUIT BOARD VIEW 4-3

1



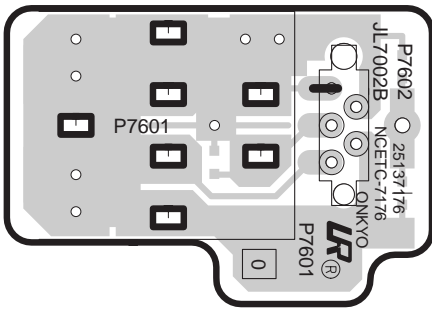
PARTS SIDE A PCB SIDE A



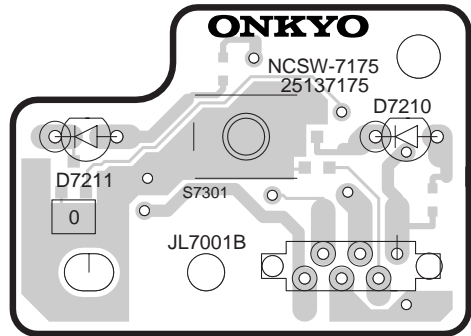
PARTS SIDE A PCB SIDE A

2

3

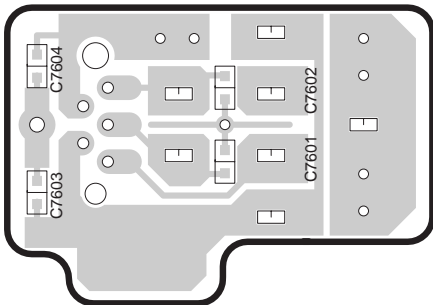


PARTS SIDE A PCB SIDE B

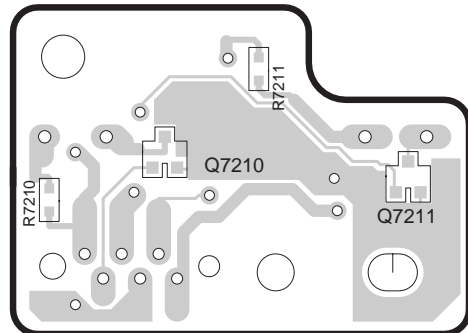


PARTS SIDE A PCB SIDE B

4



PARTS SIDE B PCB SIDE B



PARTS SIDE B PCB SIDE B

5

U16 HEADPHONE PC BOARD

U14 STANDBY SWITCH PC BOARD

