



CC-218 VOL BOARD

Design



2024/01/27

2025/04/23

Assy

Rev.B

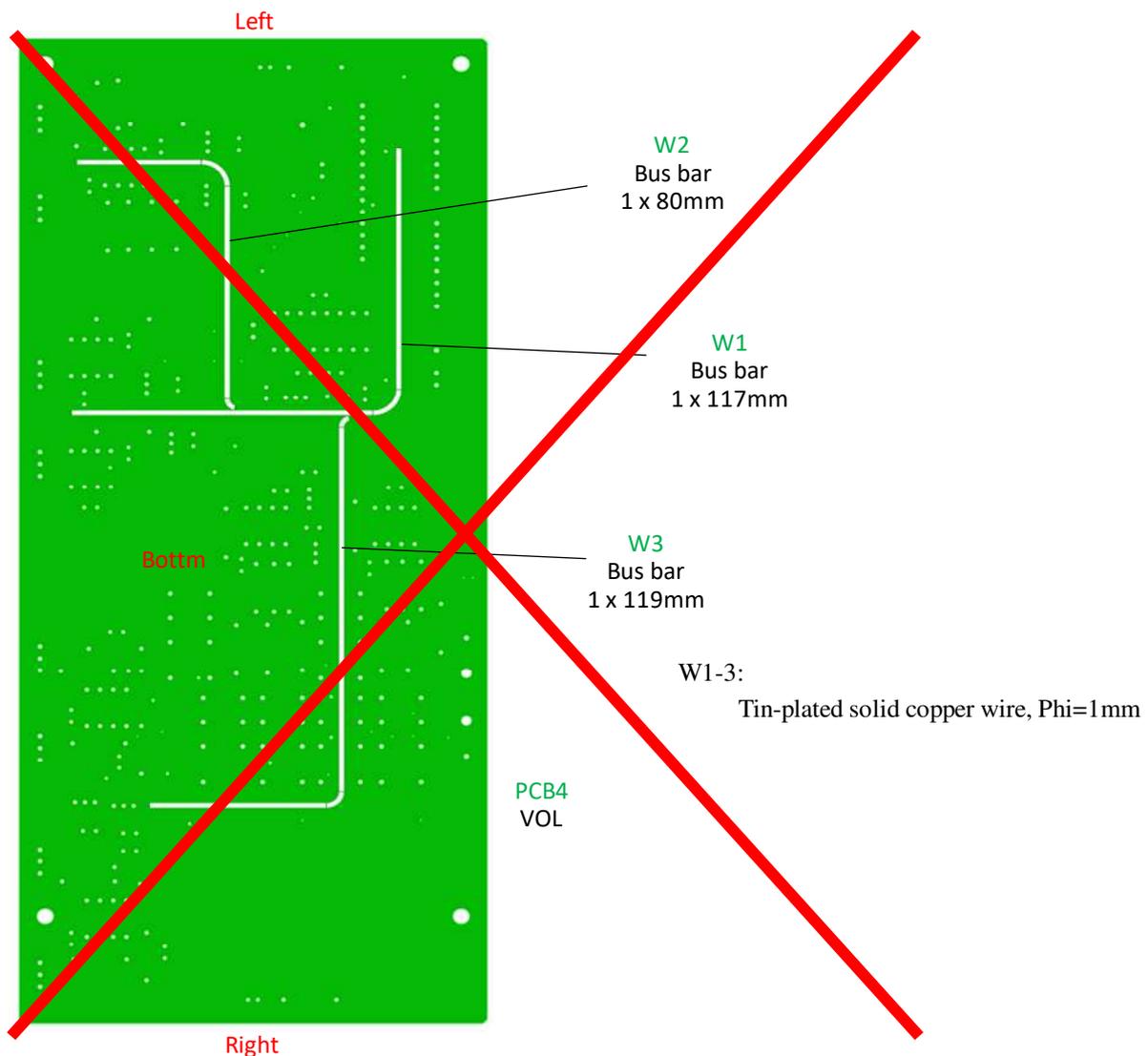
[Solder Bus Bars on GND tracks](#)

[Solder Jumpers](#)

[Mount Devices on PCB4](#)

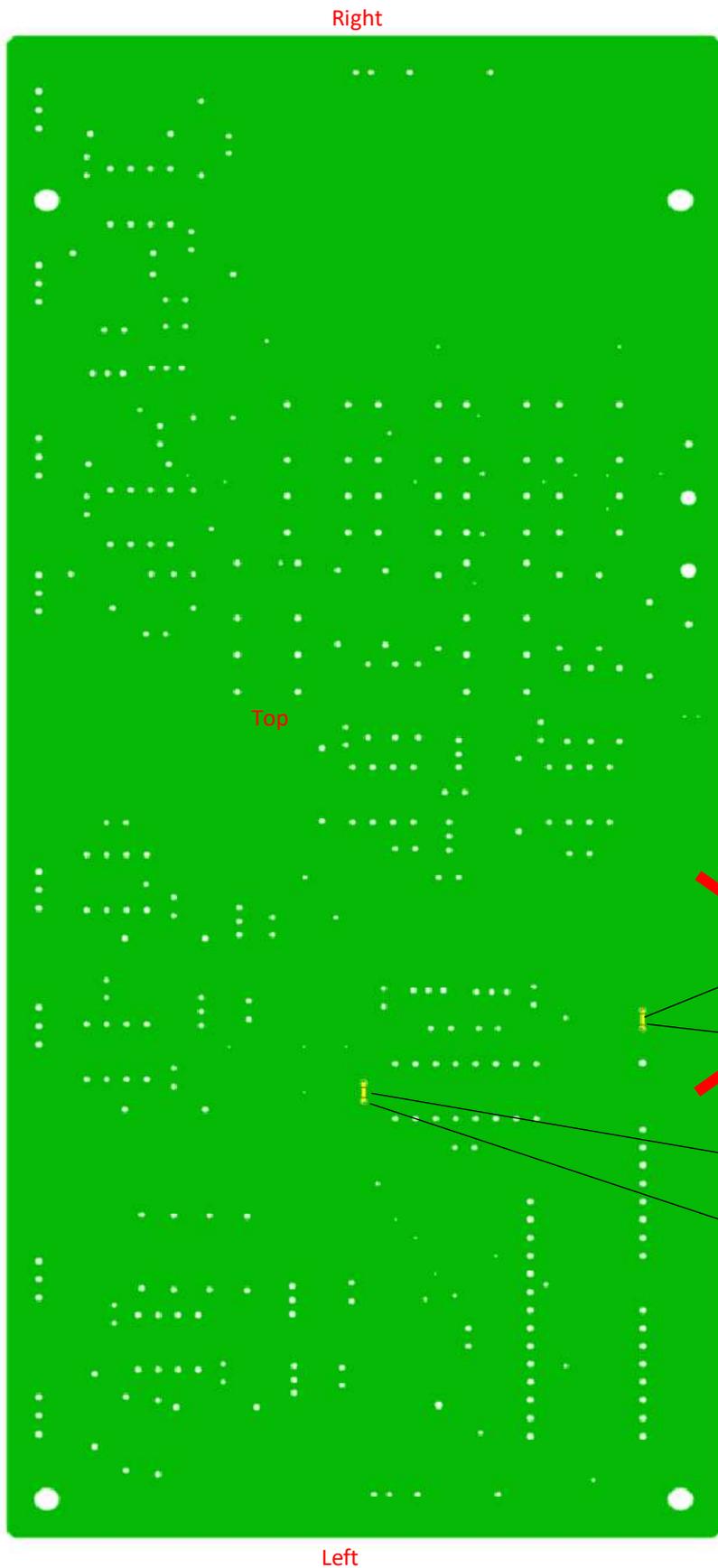
Solder Bus Bars on AGND track

[Rev.A] GND plane is employed



Solder Jumpers

Bridge DGND-AGND, AGND-GGND. [Rev.A]



PCB4
VOL Rev.A

[Rev.A] GGND is deleted

~~W5
Jumper
0.5 x 7mm~~

~~SK412
AGND-GGND~~

W4
Jumper
0.5 x 7mm

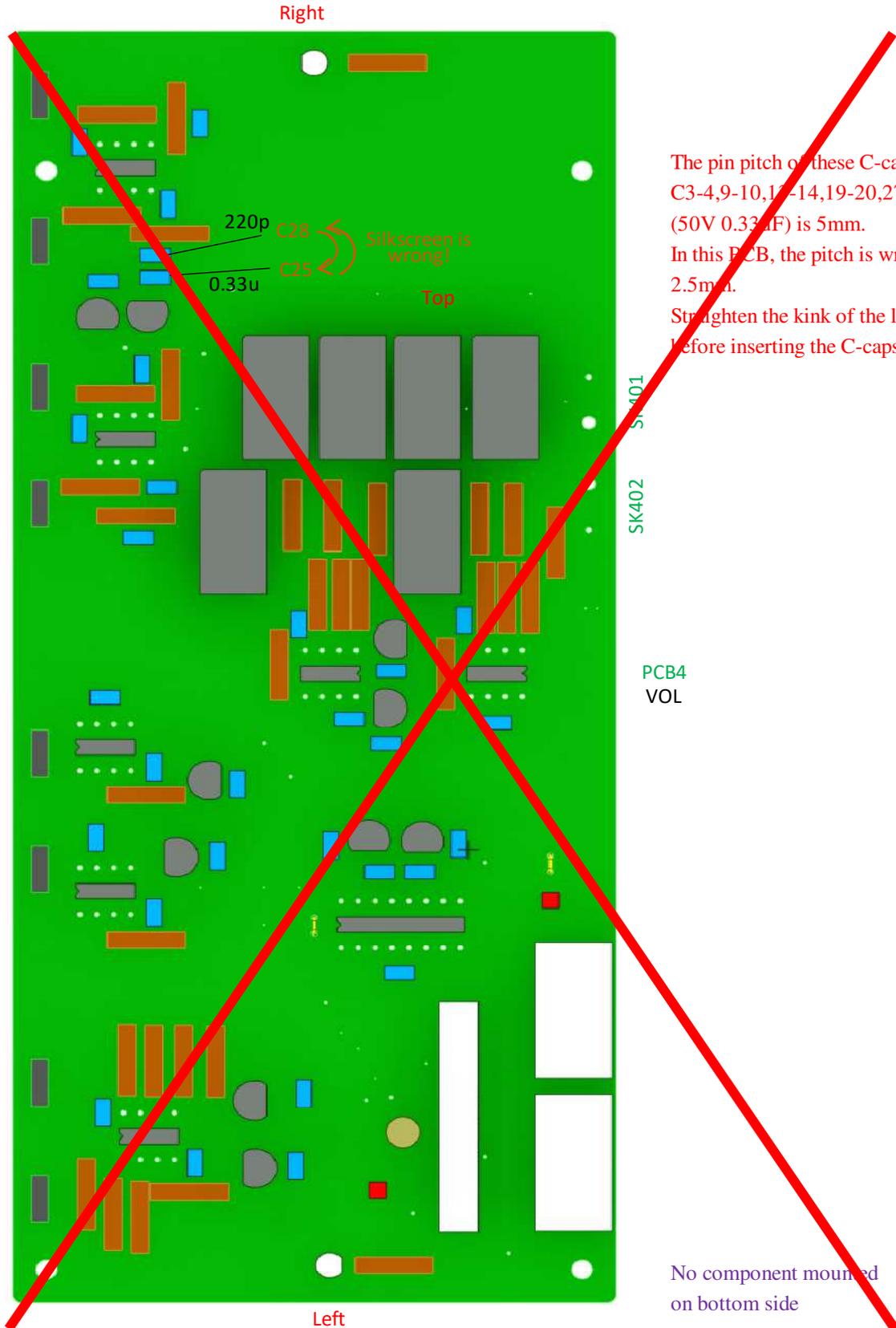
SK411
DGND-AGND

W4-5:
Gold-plated solid
OFC wire, Phi=0.5mm

Mount Devices on PCB4

Mount devices on PCB4 according to BOM_VOL.

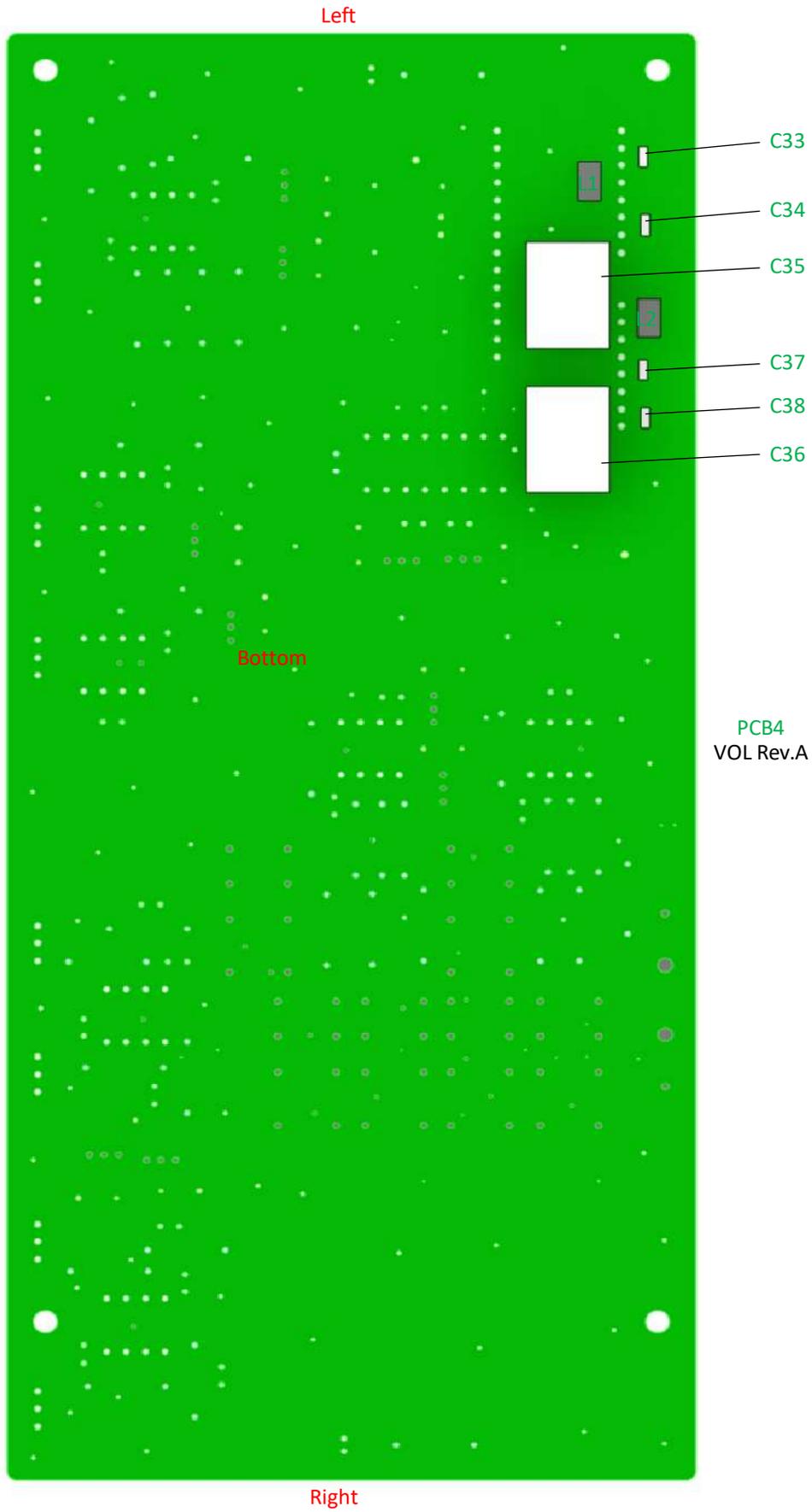
SK401-402 are not to be mounted!



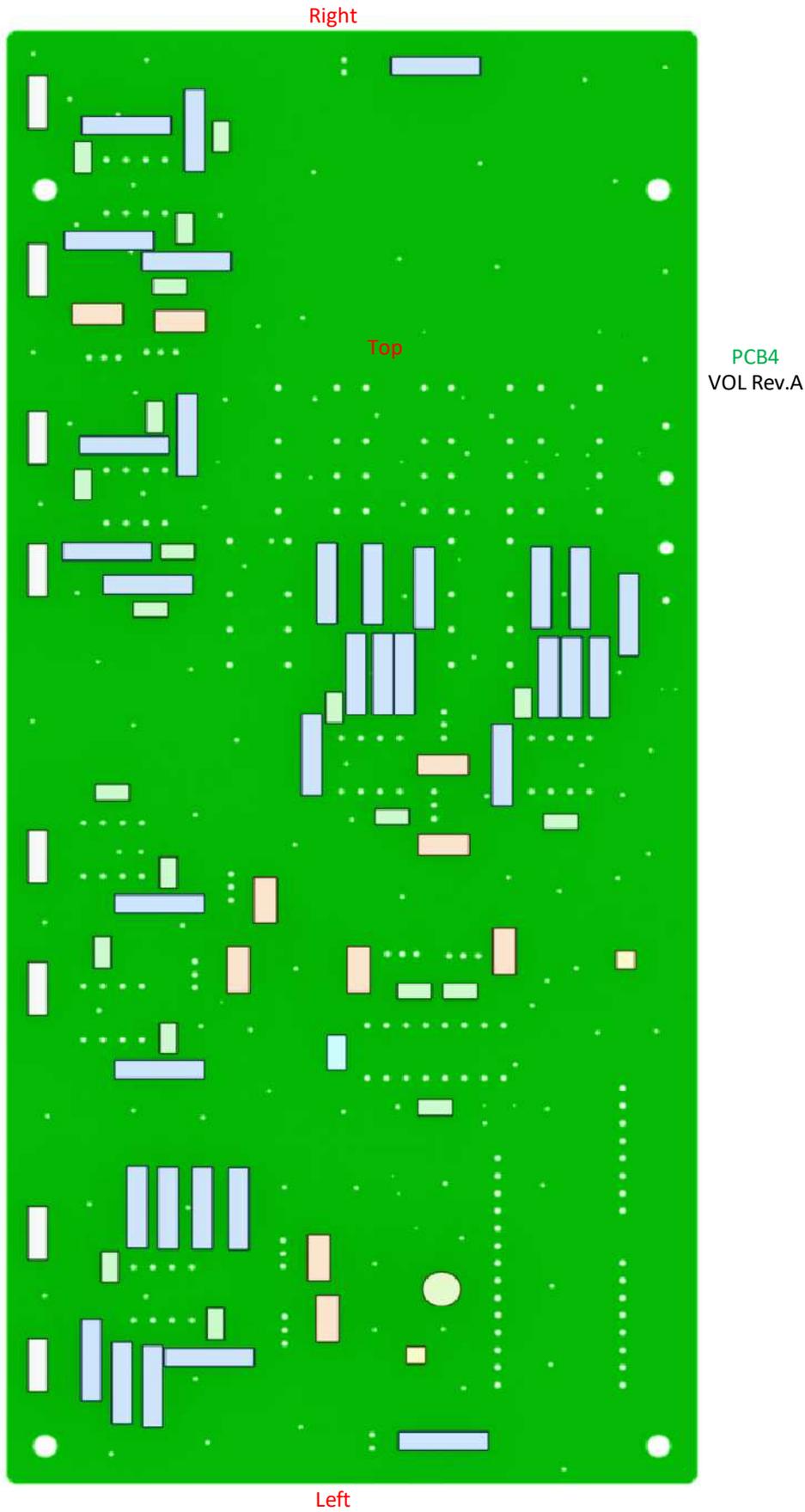
The pin pitch of these C-cap, C3-4,9-10,17-14,19-20,27-28, (50V 0.33uF) is 5mm. In this PCB, the pitch is wrongly 2.5mm. Straighten the kink of the leads before inserting the C-caps.

No component mounted on bottom side

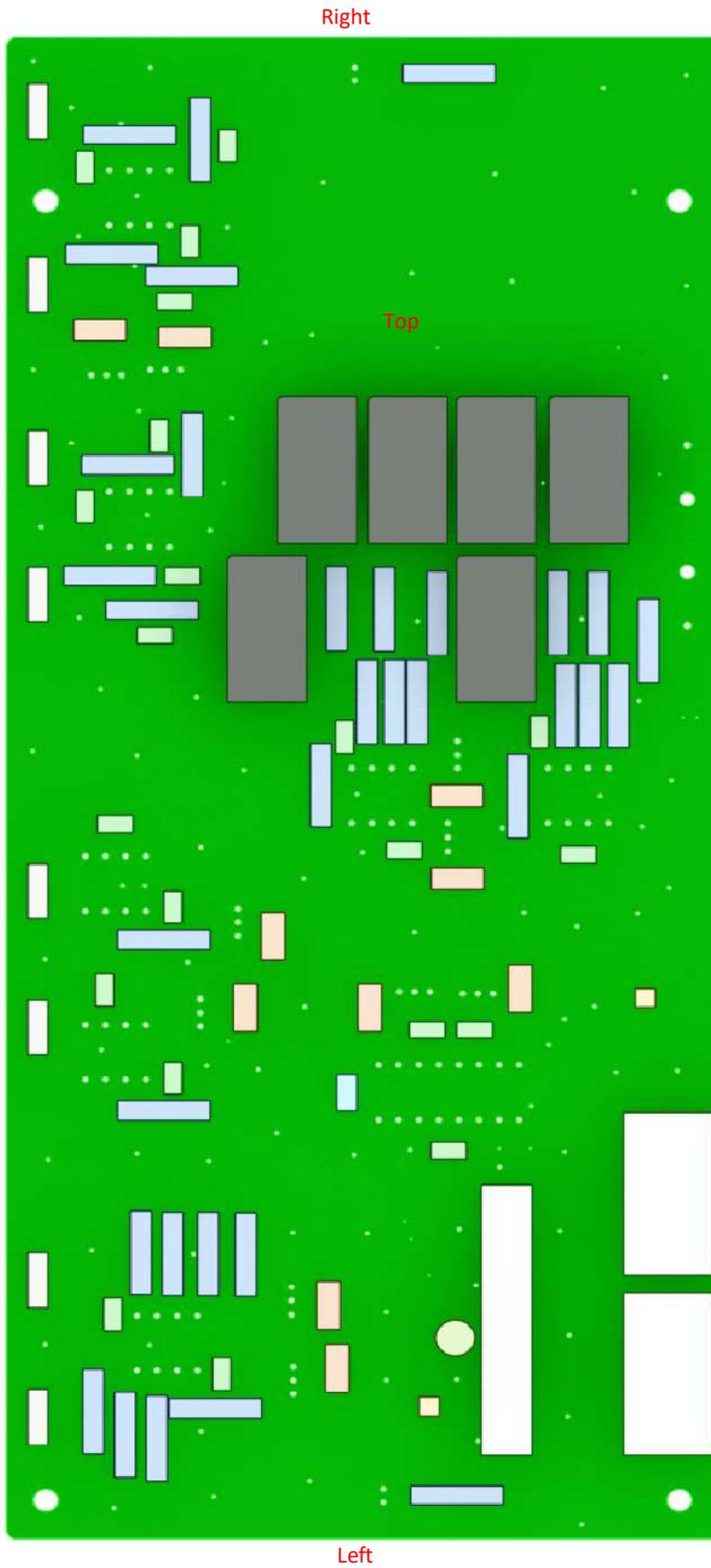
*** Mount SMDs**



* Mount resistors,capacitors, pin sockets, test pins

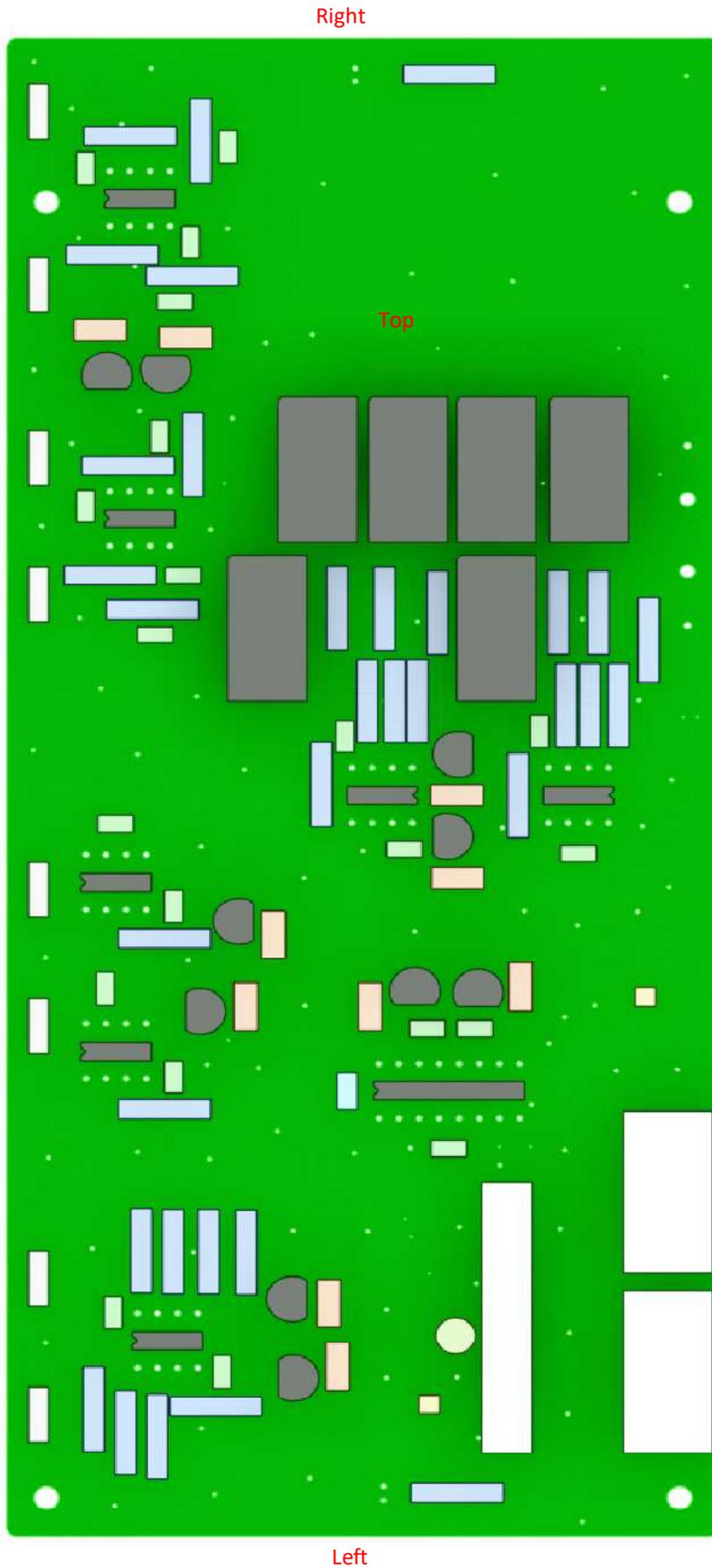


* Mount connectors, relays



PCB4
VOL Rev.A

* Mount ICs

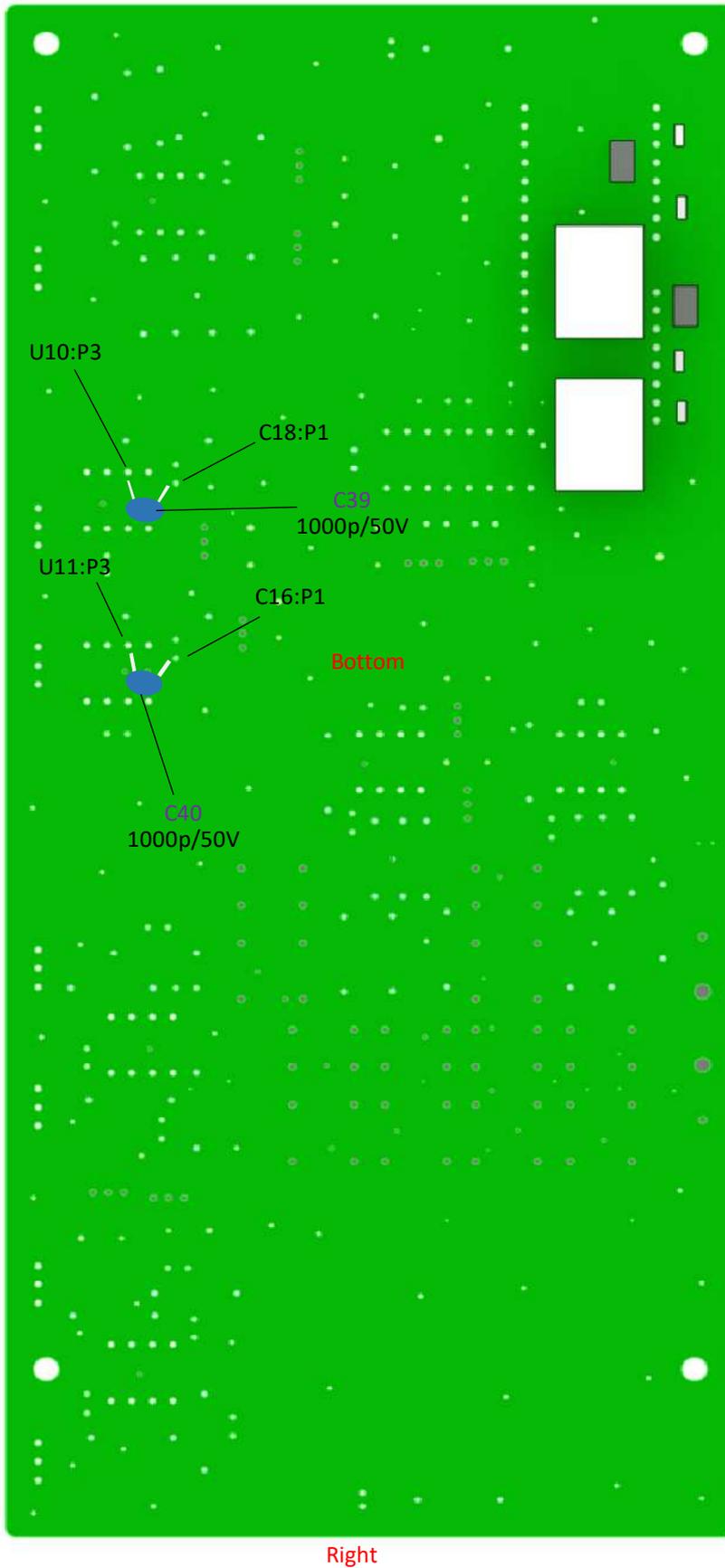


PCB4
VOL Rev.A

*** Mount 2 capacitors on the bottom**

C39: U10:P3 <--> C18:P1 (AGND), C40: U11:P3 <--> C16:P1
Left

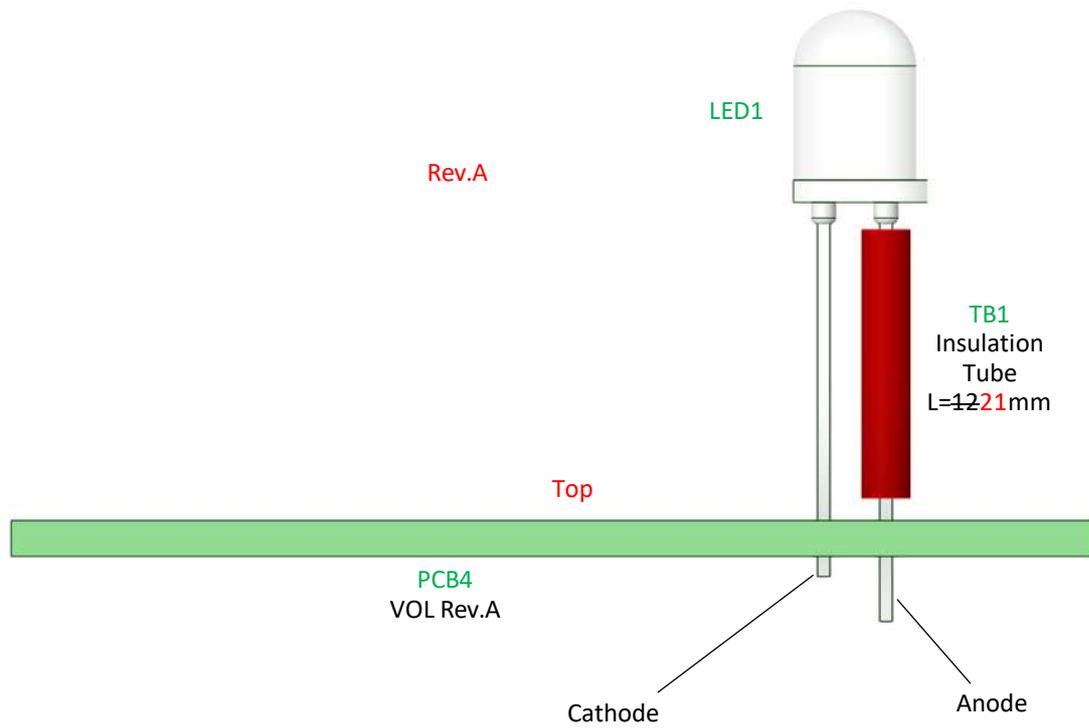
Rev.B



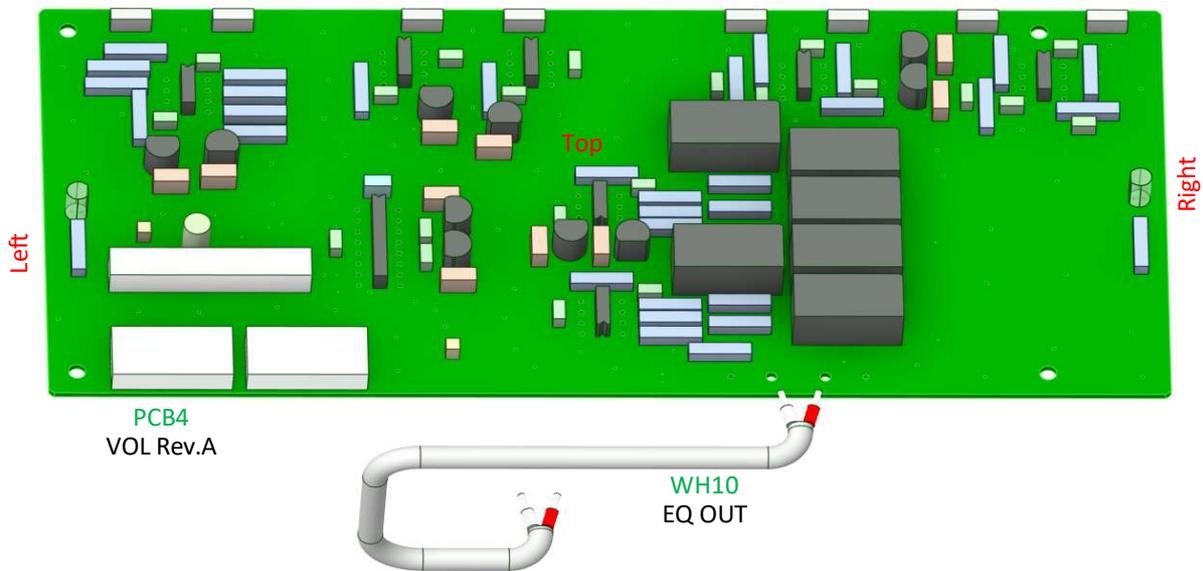
PCB4
VOL Rev.A

*** Mount LEDs**

Mount LED1-2, using insulation tubes TB1-2.



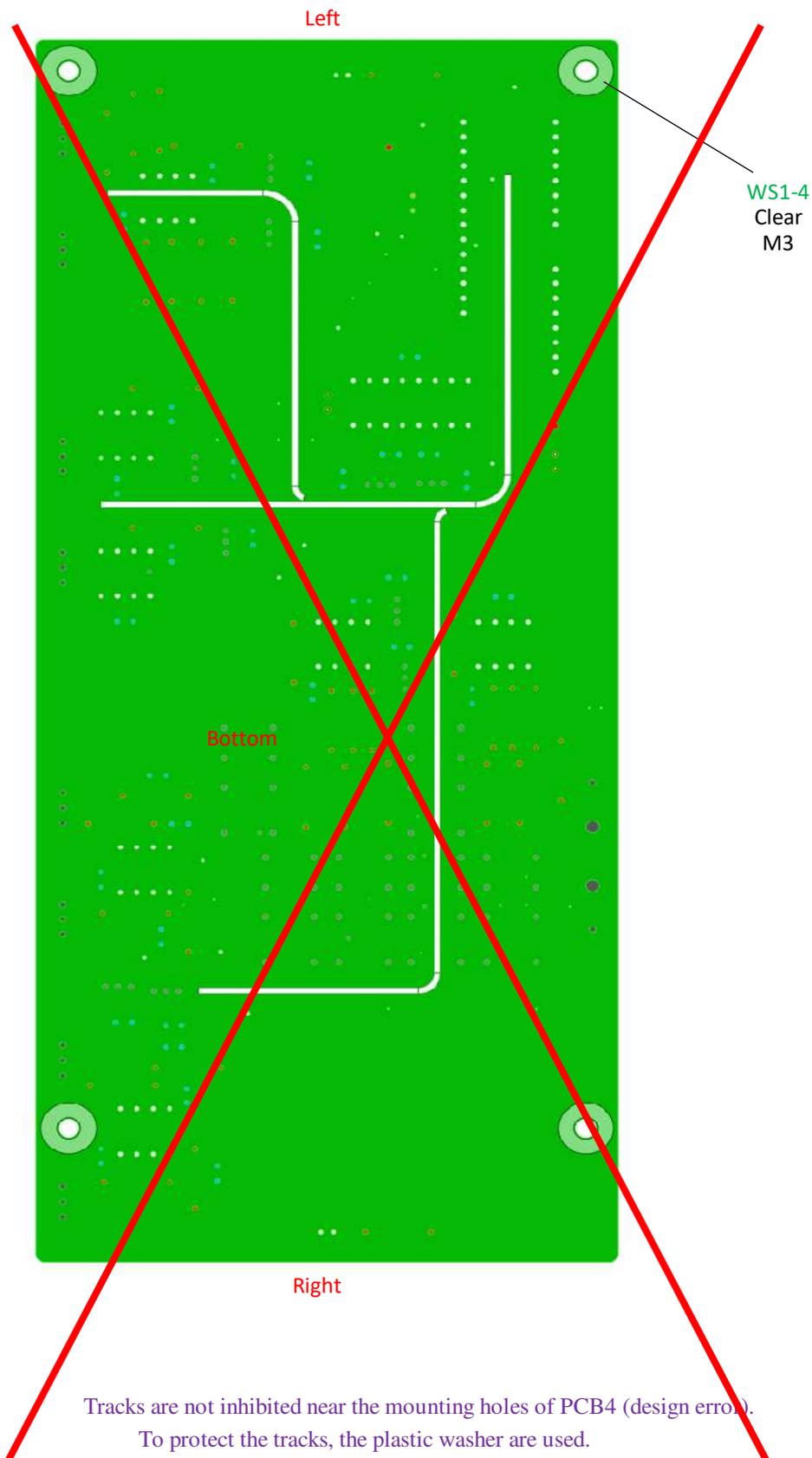
*** Attach WH10 by soldering**



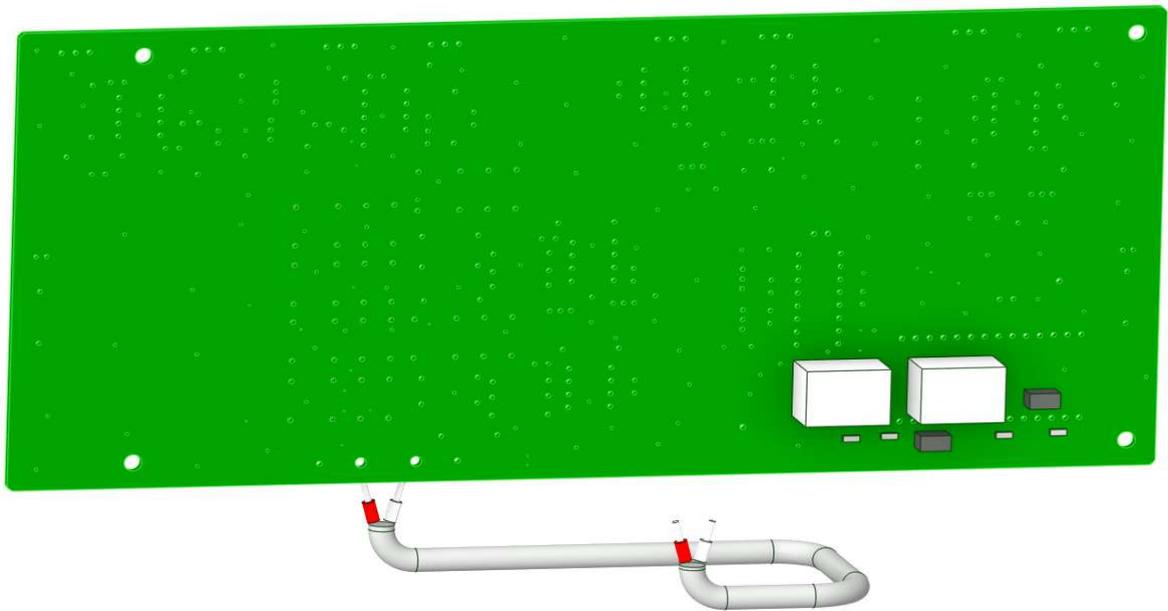
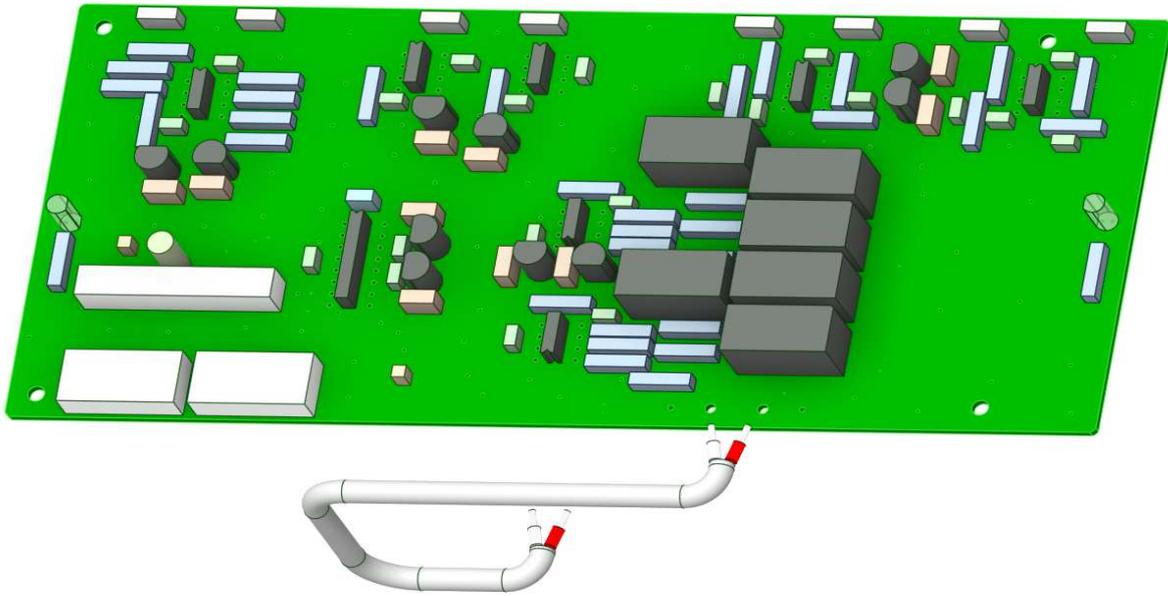
Affix Plastic Clear Washer

2024/10/01

2025/03/02



Completed!



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