

BOARD CHARACTERISTICS

Copper Layer Count:2Board Thickness:1.6000 mm

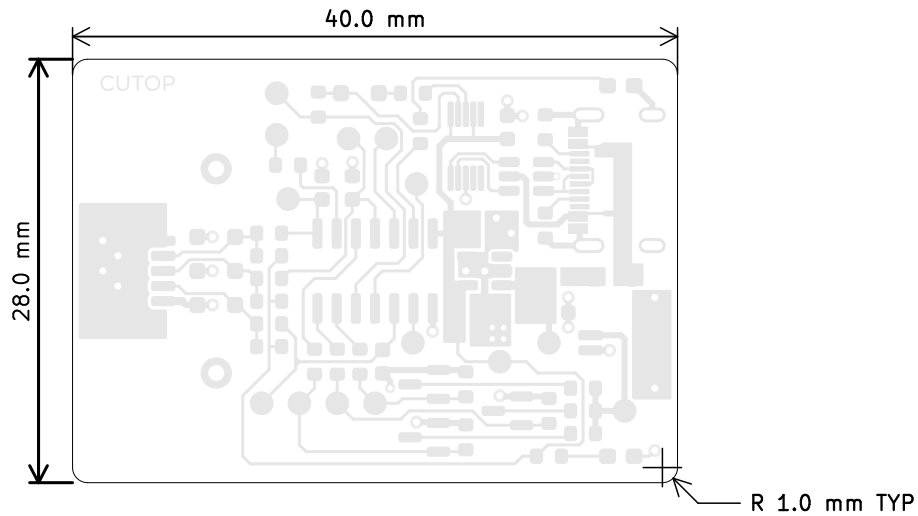
Board overall dimensions:40.0000 mm x 28.0000 mm

Min track/spacing:0.1000 mm / 0.1000 mmMin hole diameter:0.3000 mm

Copper Finish:HAL lead-freeImpedance Control:No

Castellated pads:NoPlated Board Edge:No

Edge card connectors:No



Layer Name	Type	Material	Thickness (mm)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Direct Printing	0 mm	White	1	0
F.Paste	Top Solder Paste		0 mm		1	0
F.Mask	Top Solder Mask	Liquid Ink	0.01 mm	Black	3.3	0
F.Cu	copper		0.035 mm		1	0
Dielectric	core	FR4	1.51 mm	FR4 natural	4.5	0.02
B.Cu	copper		0.035 mm		1	0
B.Mask	Bottom Solder Mask	Liquid Ink	0.01 mm	Black	3.3	0
B.Paste	Bottom Solder Paste		0 mm		1	0
B.Silkscreen	Bottom Silk Screen	Direct Printing	0 mm	White	1	0

Board2Pdf: BoardInfo – Page 1/9

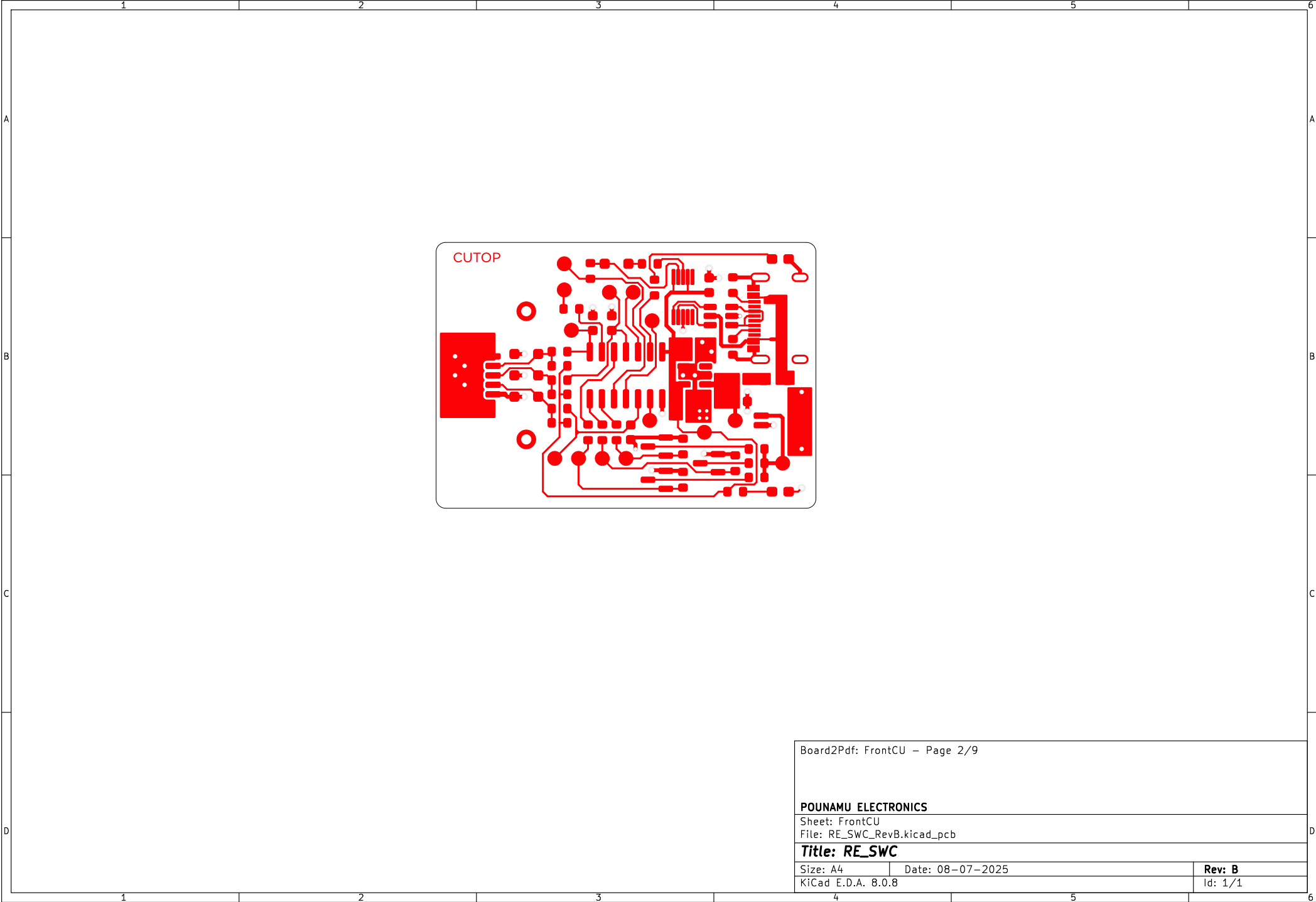
POUNAMU ELECTRONICS

Sheet: BoardInfo  
File: RE\_SWC\_RevB.kicad\_pcb

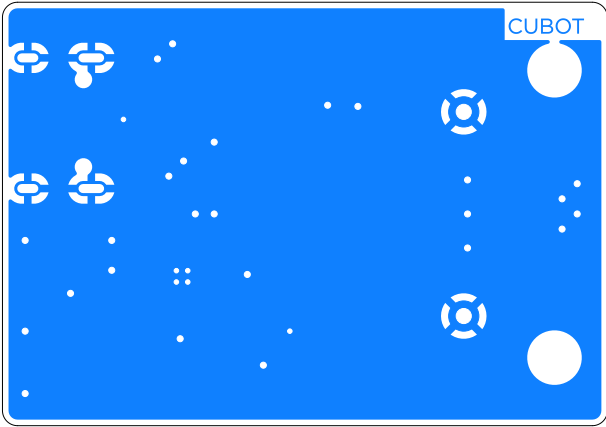
Title: RE\_SWC

Size: A4Date: 08-07-2025

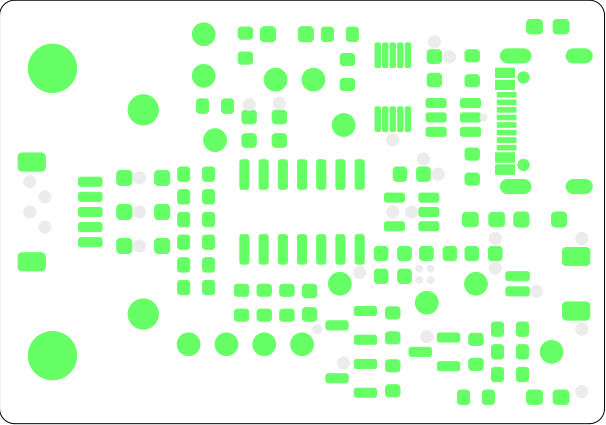
KiCad E.D.A. 8.0.8Rev: BId: 1/1



Board2Pdf: FrontCU – Page 2/9			
POUNAMU ELECTRONICS			
Sheet: FrontCU			
File: RE_SWC_RevB.kicad_pcb			
Title: RE_SWC			
Size: A4	Date: 08-07-2025		Rev: B
KiCad E.D.A. 8.0.8			Id: 1/1



Board2Pdf: BackCU – Page 3/9			
POUNAMU ELECTRONICS			
Sheet: BackCU			
File: RE_SWC_RevB.kicad_pcb			
Title: RE_SWC			
Size: A4	Date: 08-07-2025		Rev: B
KiCad E.D.A. 8.0.8			Id: 1/1



Board2Pdf: FrontMask – Page 4/9

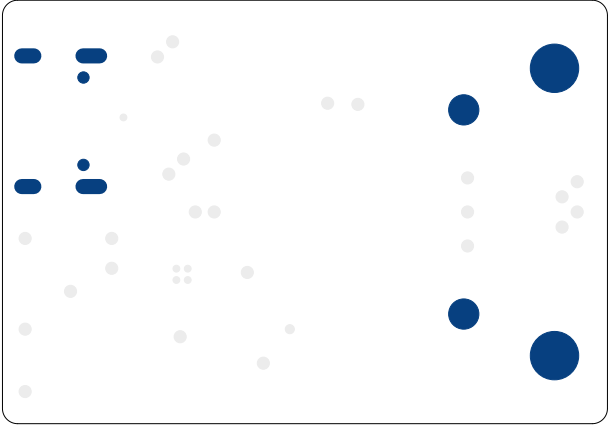
POUNAMU ELECTRONICS

Sheet: FrontMask

File: RE\_SWC\_RevB.kicad\_pcb

Title: RE\_SWC

Size: A4	Date: 08-07-2025	Rev: B
KiCad E.D.A. 8.0.8		Id: 1/1

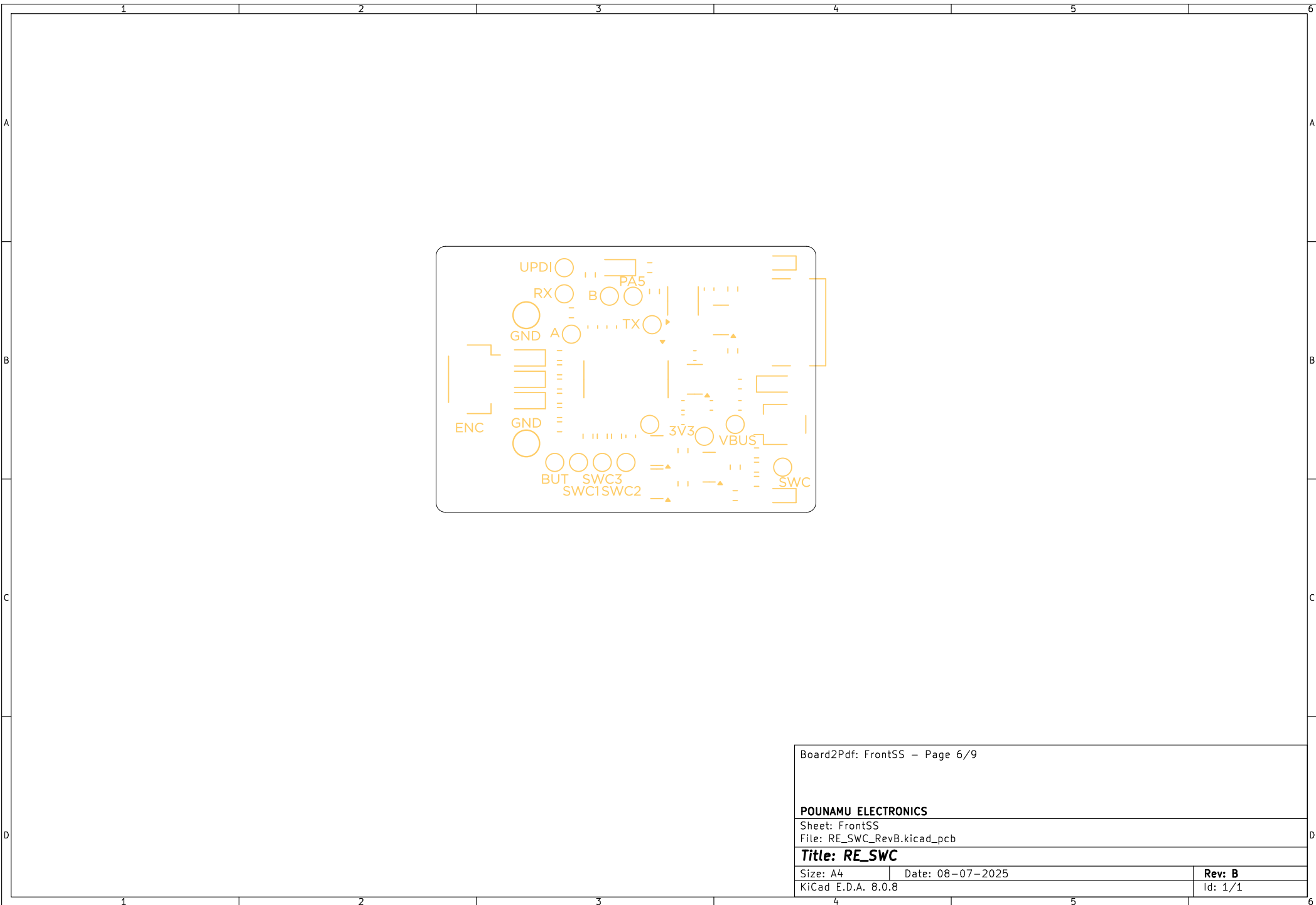


**POUNAMU ELECTRONICS**

Sheet: BackMask  
File: RE\_SWC\_RevB.kicad\_pcb

**Title: RE\_SWC**

Size: A4	Date: 08-07-2025	Rev: B
KiCad E.D.A. 8.0.8		Id: 1/1



Board2Pdf: FrontSS – Page 6/9		
POUNAMU ELECTRONICS		
Sheet: FrontSS		
File: RE_SWC_RevB.kicad_pcb		
Title: RE_SWC		
Size: A4	Date: 08-07-2025	Rev: B
KiCad E.D.A. 8.0.8	Id: 1/1	

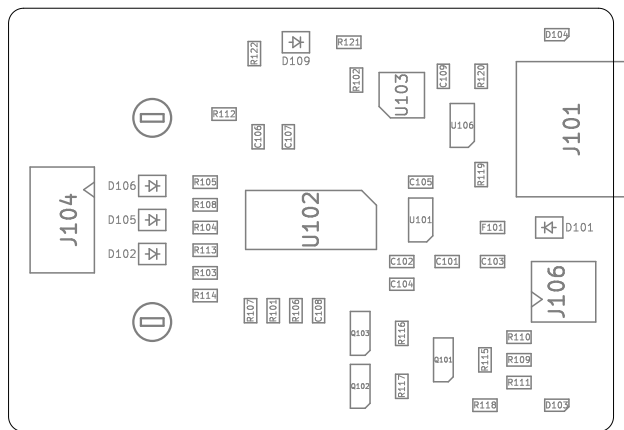
SWC  
GND

**POUNAMU  
ELECTRONICS**

SN: XXXXXXXXXX RE\_SWC-RB-08-07-2025

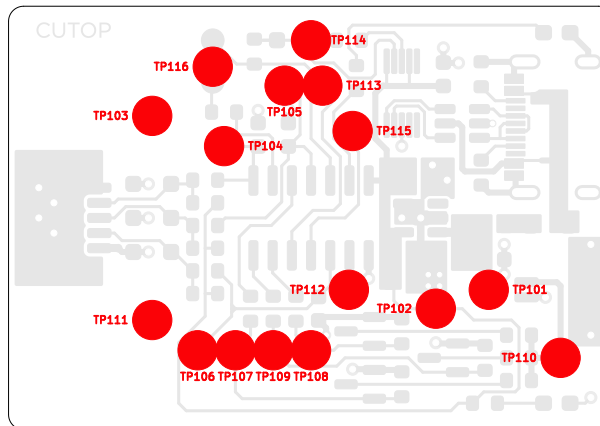
GND  
A  
B  
S1  
S2

Board2Pdf: BackSS – Page 7/9			
<b>POUNAMU ELECTRONICS</b>			
Sheet: BackSS			
File: RE_SWC_RevB.kicad_pcb			
<b>Title: RE_SWC</b>			
Size: A4		Date: 08-07-2025	<b>Rev: B</b>
KiCad E.D.A. 8.0.8		Id: 1/1	



Board2Pdf: FrontFab – Page 8/9		
<b>POUNAMU ELECTRONICS</b>		
Sheet: FrontFab		
File: RE_SWC_RevB.kicad_pcb		
<b>Title: RE_SWC</b>		
Size: A4	Date: 08-07-2025	Rev: B
KiCad E.D.A. 8.0.8	Id: 1/1	





TP101: VBUS  
TP102: VCC  
TP103: GND  
TP104: ENC\_A\_IN  
TP105: ENC\_B\_IN  
TP106: ENC\_SW\_IN  
TP107: SWC\_1  
TP108: SWC\_2  
TP109: SWC\_3  
TP110: SWC\_OUT  
TP111: GND  
TP112: PA3 (NC)  
TP113: PA5 (NC)  
TP114: UPDI  
TP115: TXD (NC)  
TP116: RXD (NC)

Board2Pdf: FrontTP - Page 9/9

**POUNAMU ELECTRONICS**

Sheet: FrontTP

File: RE\_SWC\_RevB.kicad\_pcb

**Title: RE\_SWC**

Size: A4

Date: 08-07-2025

**Rev: B**

KiCad E.D.A. 8.0.8

Id: 1/1