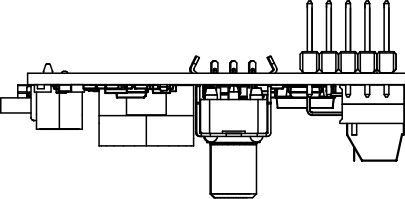
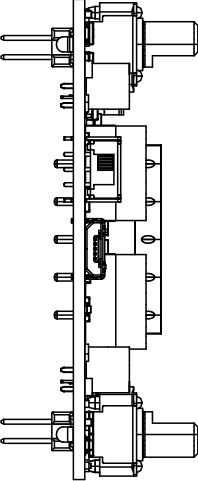


RELEASE HISTORY		
REVISION	DESCRIPTION	DATE
v1.0	Initial Prototype	02/04/2021
-	-----	--/--/----
-	-----	--/--/----
-	-----	--/--/----

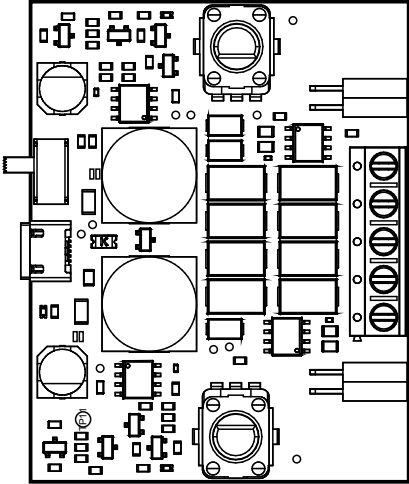
View from Back side (Scale 1:1)



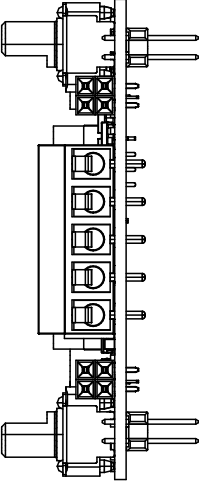
View from Left side (Scale 1:1)



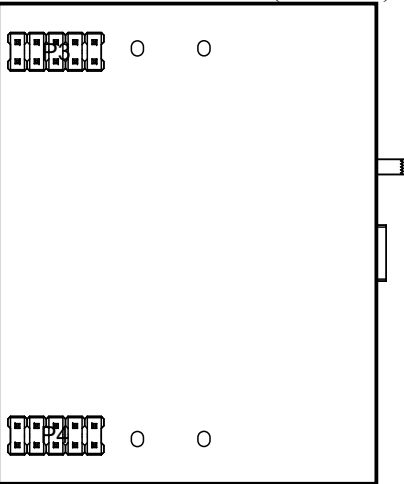
View from Top side (Scale 1:1)



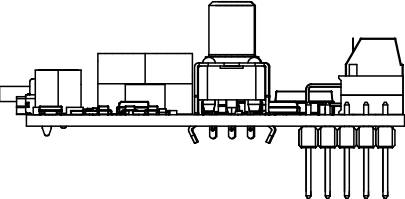
View from Right side (Scale 1:1)





View from Bottom side (Scale 1:1)



View from Front side (Scale 1:1)



THIRD ANGLE	APPROVALS		DATE		 <div>UNIVERSITY OF CAPE TOWN DEPARTMENT OF ELECTRICAL ENGINEERING CAPE TOWN SOUTH AFRICA</div>	CONTACT: JUSTIN PEAD LAWRENCE STANTON STNLAW003@myuct.ac.za justin.pead@uct.ac.za		
	ENGINEER: LD STANTON		02/04/2021			PROJECT: SIO2MKR.PrjPcb	REVISION: v1.0	
	CHECKER: J PEAD		--/--/----					
	REFERENCE DOCUMENTS					TITLE: SIO2MKR USB SPLIT RAIL POWER SUPPLY		
	BOM DOC: Bill of Materials.csv							
	CPL DOC: Pick and Place.csv							
	FAB DOC: Fabrication.PCBDwf					SIZE: A4	DWG: ASSEMBLEY	
	SCH DOC: Main.SchDoc							
PCB DOC: PCB.PcbDoc					SCALE: 1:1	FILE: Assembly.PCBDwf	SHEET 1 OF 6	

A

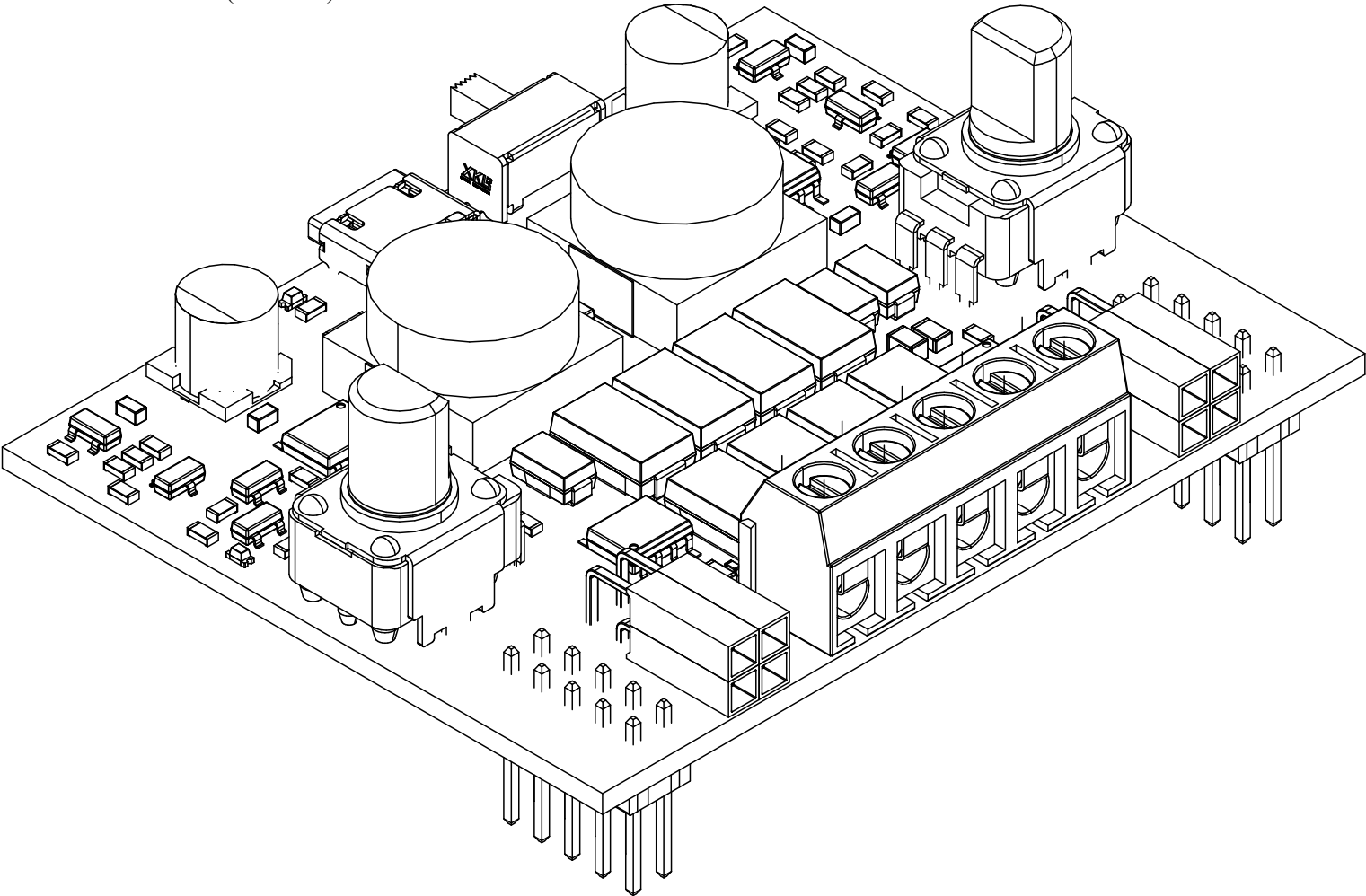
B

C

D

E

View from Front side (Scale 5:2)



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 2 OF 6

A

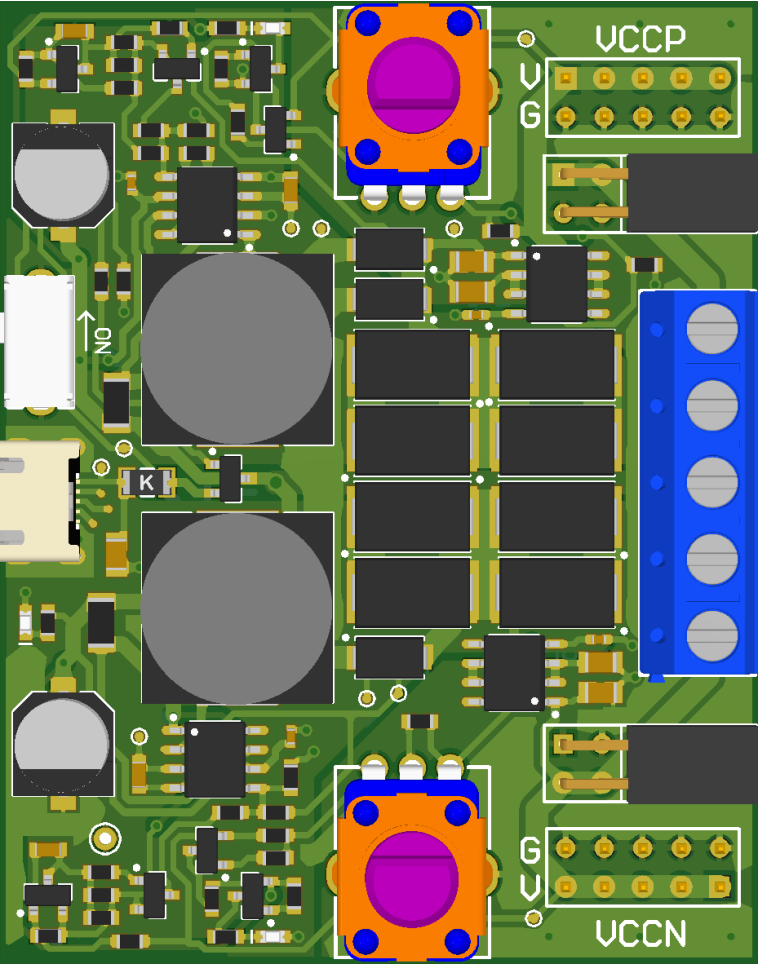
B

C

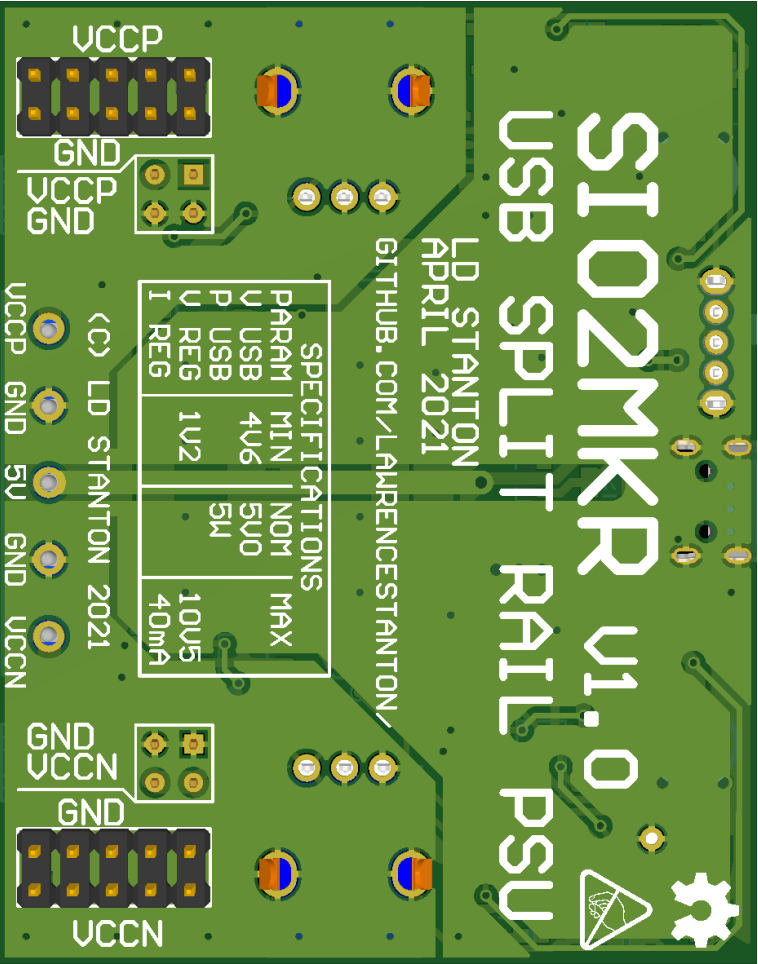
D

E

Realistic View

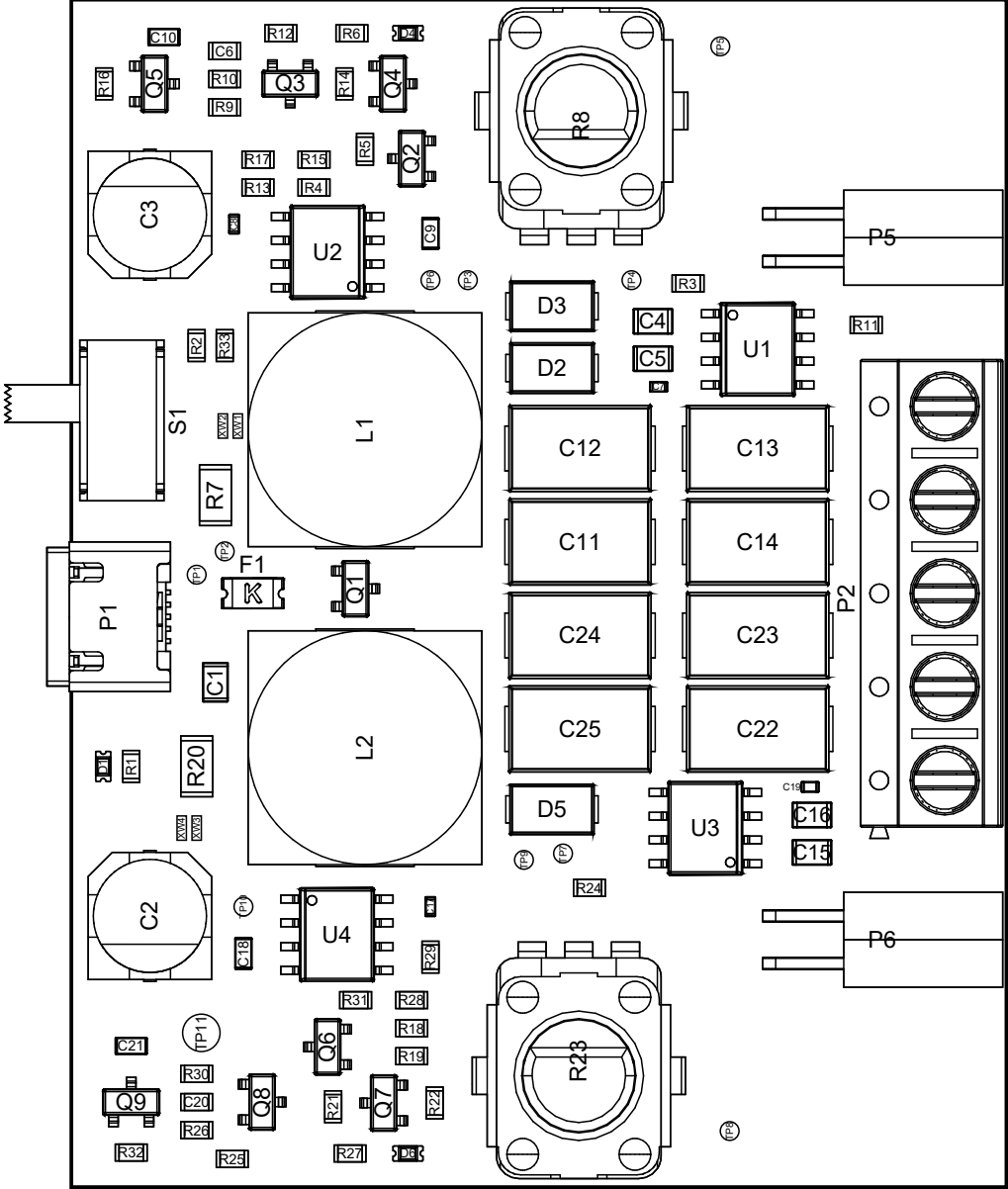


Realistic View



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 3 OF 6

View from Top side (Scale 5:2)



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 4 OF 6

A

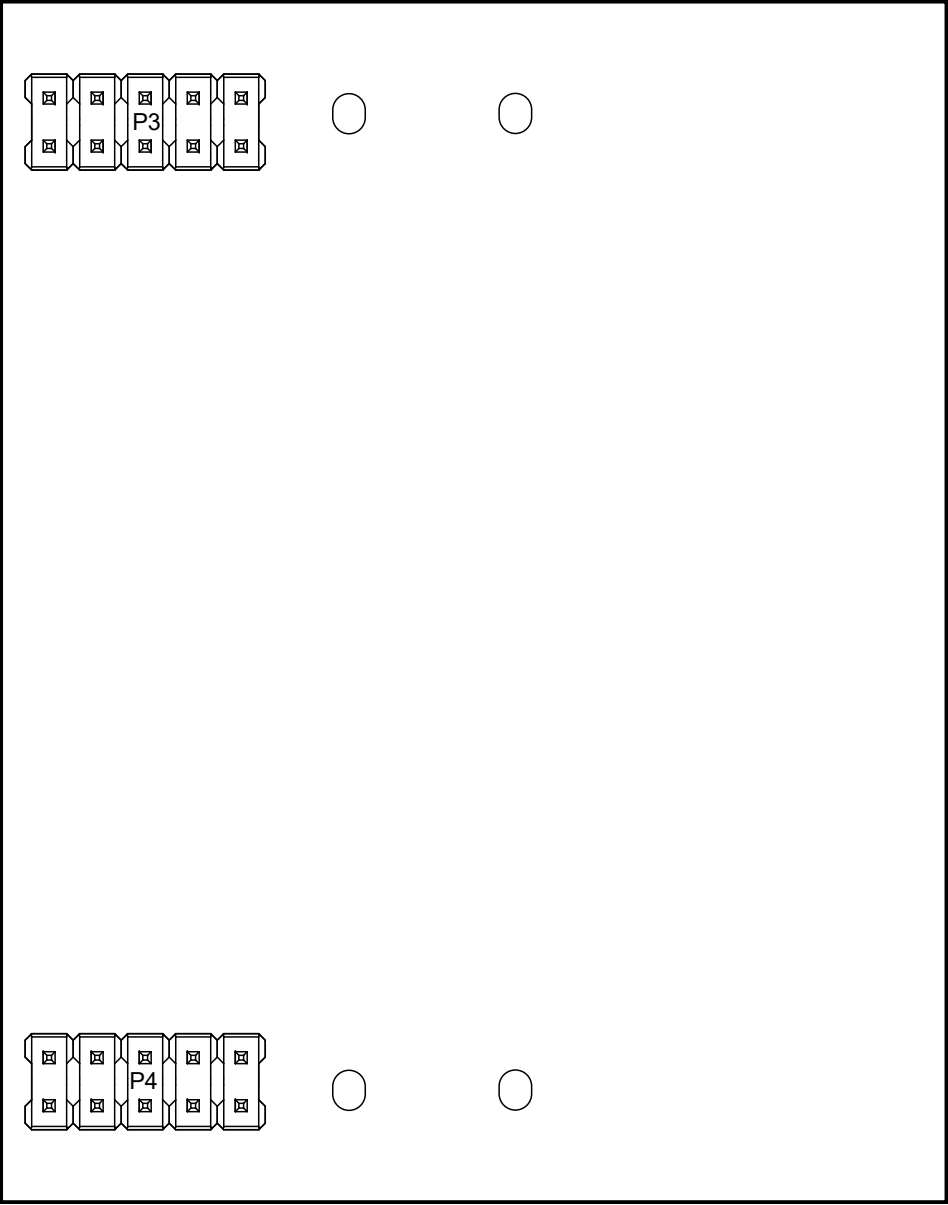
B

C

D

E

View from Bottom side (Scale 5:2)



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 5 OF 6

A

B

C

D

E

A		B		C		D		E	
Bill Of Materials									
Line #	Designator	Comment		Quantity					
1	C1	CL21B103KBANNNC		1					
2	C2, C3	RVT1A221M0605		2					
3	C4, C16	CC0805KRX7R9BB104		2					
4	C5, C15	CL21B105KBFNNNE		2					
5	C6, C20	CC0603KRX7R9BB104		2					
6	C7, C19	0402CG3R3C500NT		2					
7	C8, C17	CL05B104KO5NNNC		2					
8	C9, C18	CL10A105KB8NNNC		2					
9	C10, C21	CL10C100JB8NNNC		2					
10	C11, C12, C13, C14, C22, C23, C24, C25	293D107X9016D2TE3		8					
11	D1, D4, D6	19-217/GHC-YR1S2/3T		3					
12	D2, D3, D5	SS34		3					
13	F1	12H1300C		1					
14	L1, L2	SWRB1207S-331MT		2					
15	P1	MICRO 4P DIP		1					
16	P2	CZM5,08-4E		1					
17	P3, P4	A2541WV-2x5P		2					
18	P5, P6	A2541HWR-2x2P		2					
19	Q1	AO3401A		1					
20	Q2, Q3, Q7	LBSS84LT1G		3					
21	Q4, Q6, Q8	2N7002		3					
22	Q5, Q9	SS8050		2					
23	R1, R6, R27	0603WAF3300T5E		3					
24	R2, R12, R21, R30	0603WAF1002T5E		4					
25	R3, R18	0603WAF2400T5E		2					
26	R4, R5, R19, R33	0603WAF1200T5E		4					
27	R7, R20	1206W4F680LT5E		2					
28	R8, R23	RK09K1130AU2		2					
29	R9, R10, R25, R26	0603WAF2702T5E		4					
30	R11, R24	0603WAF2701T5E		2					
31	R13, R17, R28, R31	0603WAF5601T5E		4					
32	R14, R22	0603WAF1003T5E		2					
33	R15, R29	0603WAF5602T5E		2					
34	R16, R32	0603WAF8201T5E		2					
35	S1	SK12D07L4B		1					
36	U1	LM317LBDR2G		1					
37	U2, U4	MC34063ADR2G		2					
38	U3	LM337LMX		1					