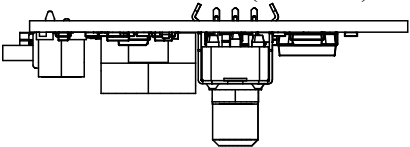
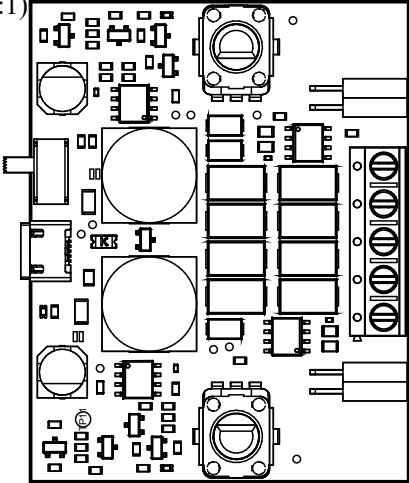


RELEASE HISTORY		
REVISION	DESCRIPTION	DATE
v1.0	Initial Prototype	02/04/2021
-	-----	--/--/----
-	-----	--/--/----
-	-----	--/--/----

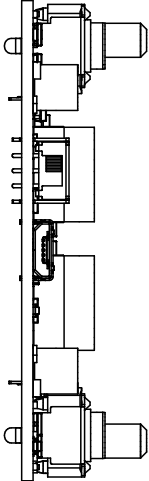
View from Back side (Scale 1:1)



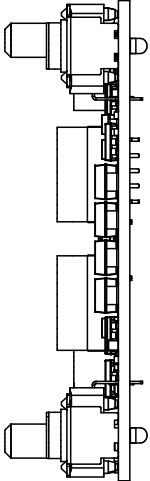
View from Top side (Scale 1:1)



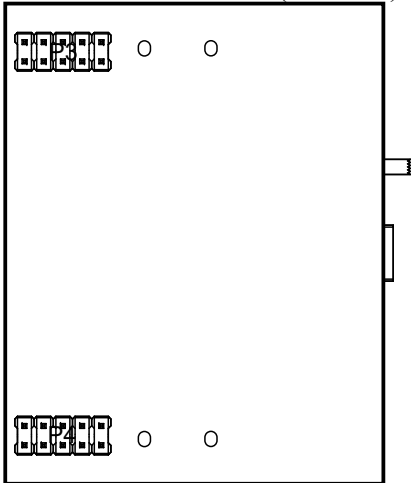
View from Left side (Scale 1:1)



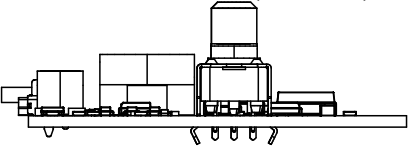
View from Right side (Scale 1:1)


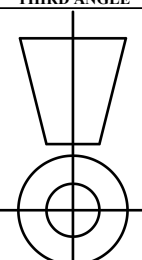


View from Bottom side (Scale 1:1)



View from Front side (Scale 1:1)



THIRD ANGLE	APPROVALS		DATE		UNIVERSITY OF CAPE TOWN DEPARTMENT OF ELECTRICAL ENGINEERING CAPE TOWN SOUTH AFRICA	CONTACT: LAWRENCE STANTON STNLAW003@myuct.ac.za	ALTERNATIVE: JUSTIN PEAD justin.pead@uct.ac.za		
	ENGINEER: LD STANTON	02/04/2021	PROJECT: SIO2MKR.PrjPcb		REVISION: v1.1				
	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								
	SCH DOC: Main.SchDoc								
	PCB DOC: PCB.PcbDoc						SIZE: A4	DWG: ASSEMBLEY	
							SCALE: 1:1	FILE: Assembly.PCBDwf	SHEET 1 OF 6

A

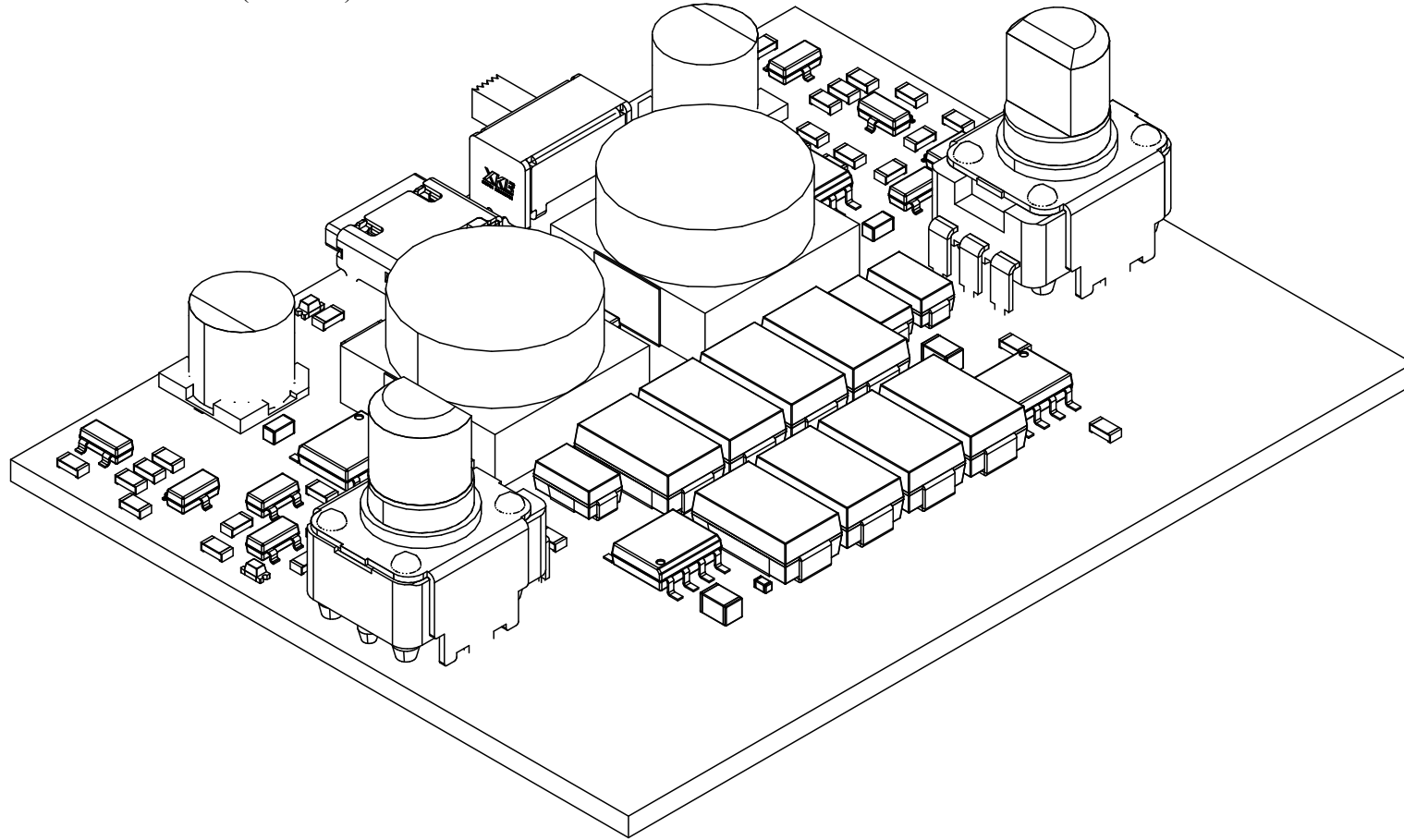
B

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

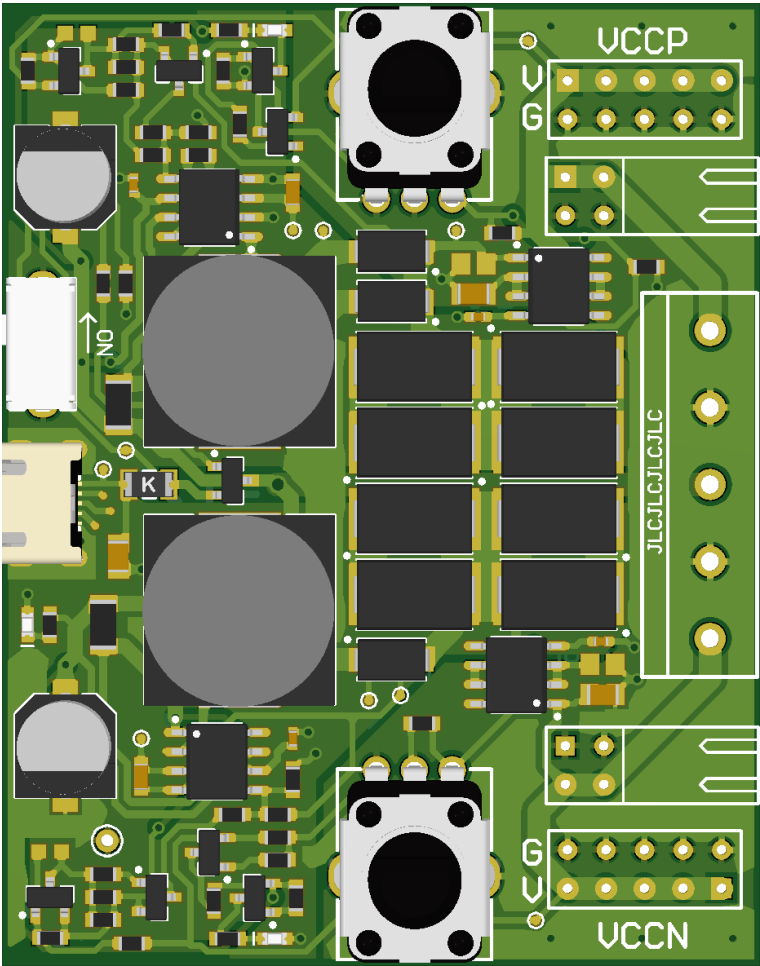
B

C

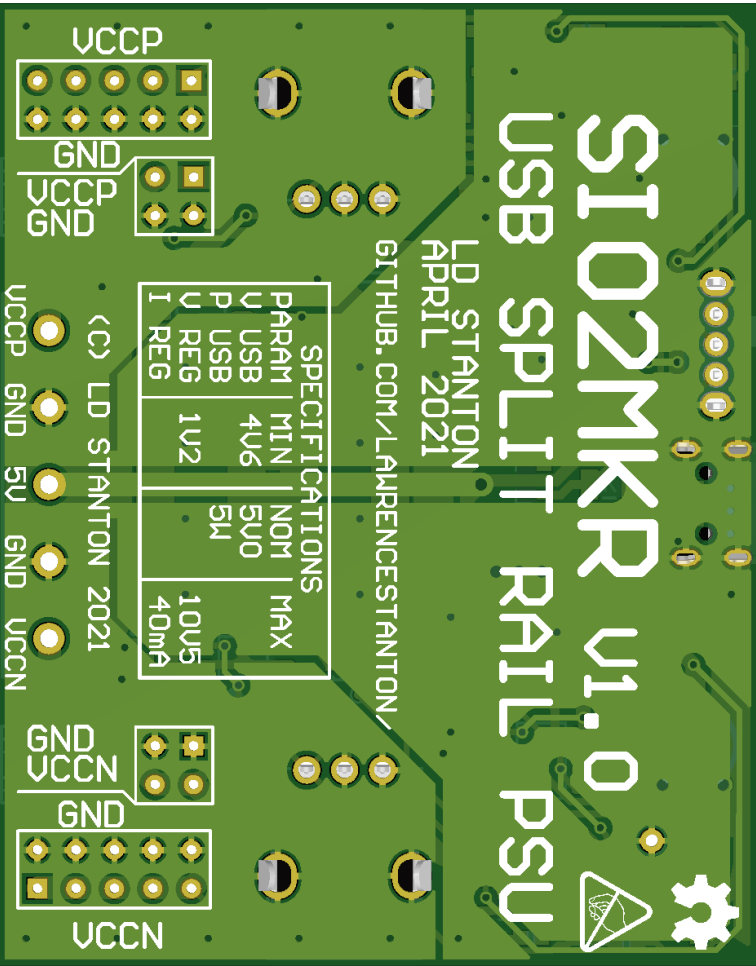
D

E

Realistic View



Realistic View



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

SHEET 4 OF 6

A

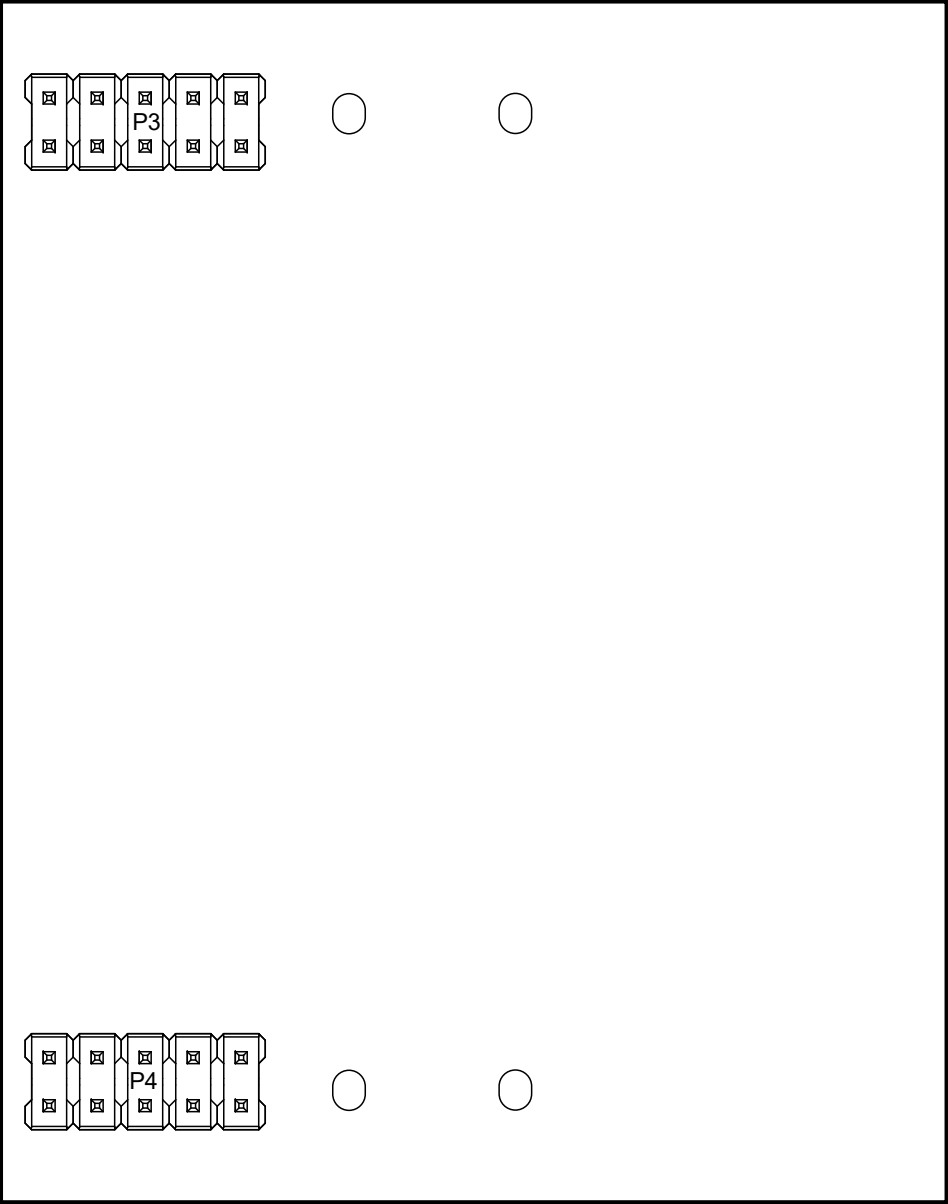
B

C

D

E

View from Bottom side (Scale 5:2)



SIZE:	A4		DWG:	ASSEMBLEY	
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	C5, C15	CL21B105KBFNNNE	2						
4	C6, C20	CC0603KRX7R9BB104	2						
5	C7, C19	0402CG3R3C500NT	2						
6	C8, C17	CL05B104KO5NNNC	2						
7	C9, C18	CL10A105KB8NNNC	2						
8	C11, C12, C13, C14, C22, C23, C24, C25	293D107X9016D2TE3	8						
9	D1, D4, D6	19-217/GHC-YR1S2/3T	3						
10	D2, D3, D5	SS34	3						
11	F1	12H1300C	1						
12	L1, L2	SWRB1207S-331MT	2						
13	P1	MICRO 4P DIP	1						
14	Q1	AO3401A	1						
15	Q2, Q3, Q7	LBSS84LT1G	3						
16	Q4, Q6, Q8	2N7002	3						
17	Q5, Q9	SS8050	2						
18	R1, R6, R27	0603WAF3300T5E	3						
19	R2, R12, R21, R30	0603WAF1002T5E	4						
20	R3, R18	0603WAF2400T5E	2						
21	R4, R5, R19, R33	0603WAF1200T5E	4						
22	R7, R20	1206W4F680LT5E	2						
23	R8, R23	RK09K1130AU2	2						
24	R9, R10, R25, R26	0603WAF2702T5E	4						
25	R11, R24	0603WAF2701T5E	2						
26	R13, R17, R28, R31	0603WAF5601T5E	4						
27	R14, R22	0603WAF1003T5E	2						
28	R15, R29	0603WAF5602T5E	2						
29	R16, R32	0603WAF8201T5E	2						
30	S1	SK12D07L4B	1						
31	U1	LM317LBDR2G	1						
32	U2, U4	MC34063ADR2G	2						
33	U3	LM337LMX	1						