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B

C

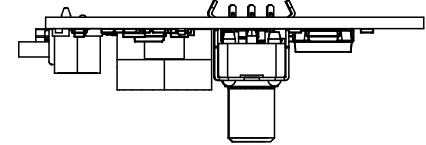
D

E

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

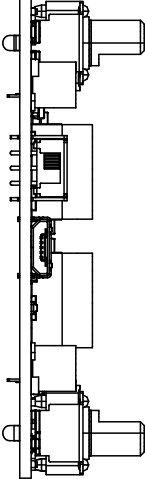
1

View from Back side (Scale 1:1)

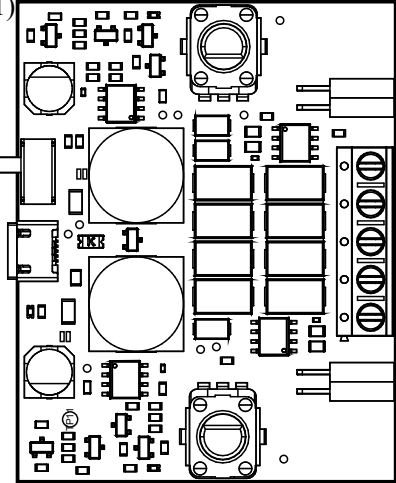


2

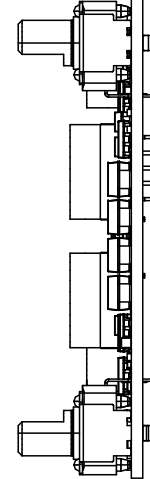
View from Left side (Scale 1:1)



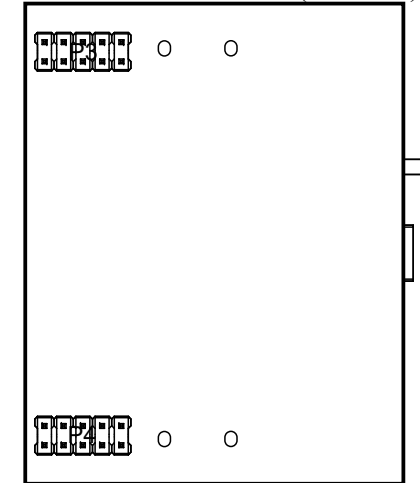
View from Top side (Scale 1:1)



View from Right side (Scale 1:1)

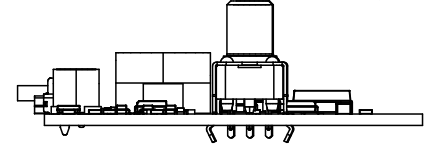


View from Bottom side (Scale 1:1)

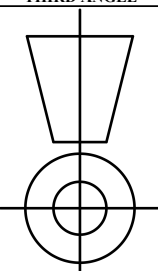




3

View from Front side (Scale 1:1)



4

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

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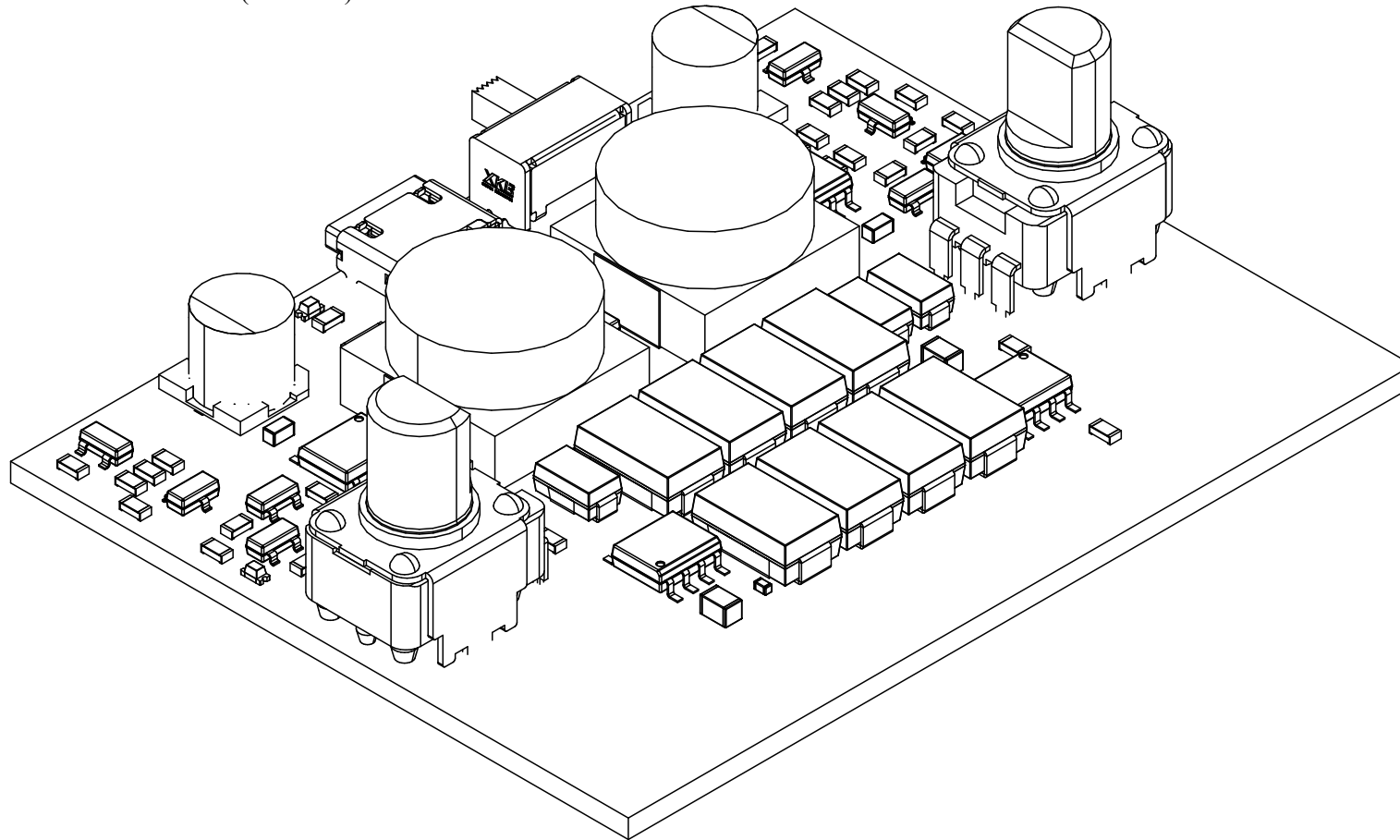
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View from Front side (Scale 5:2)



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

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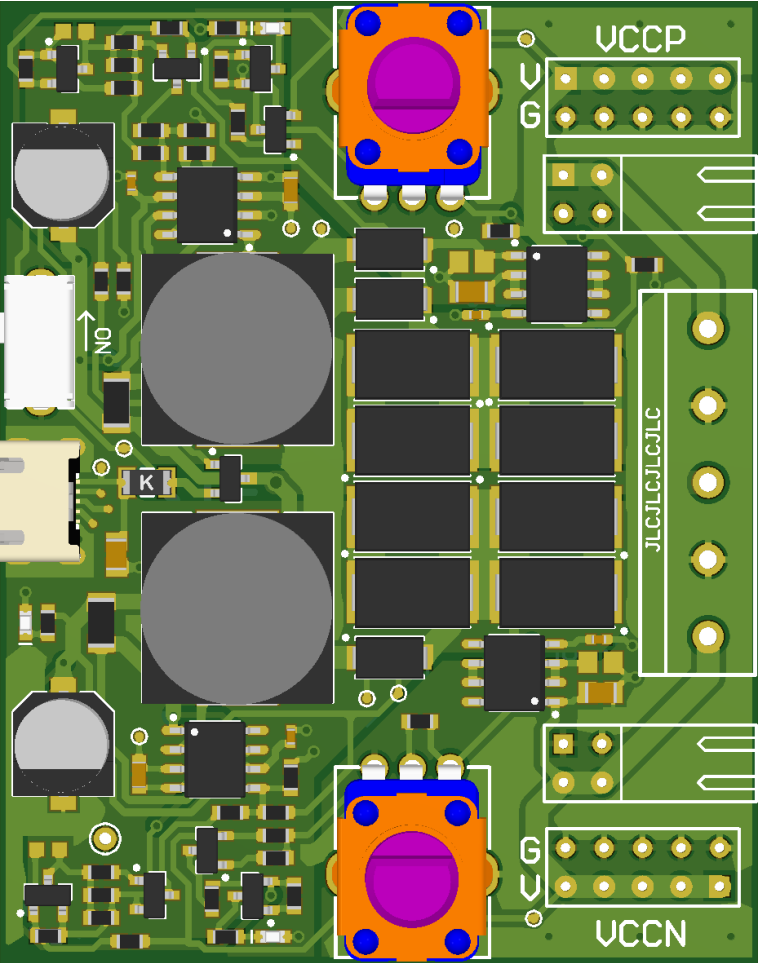
B

C

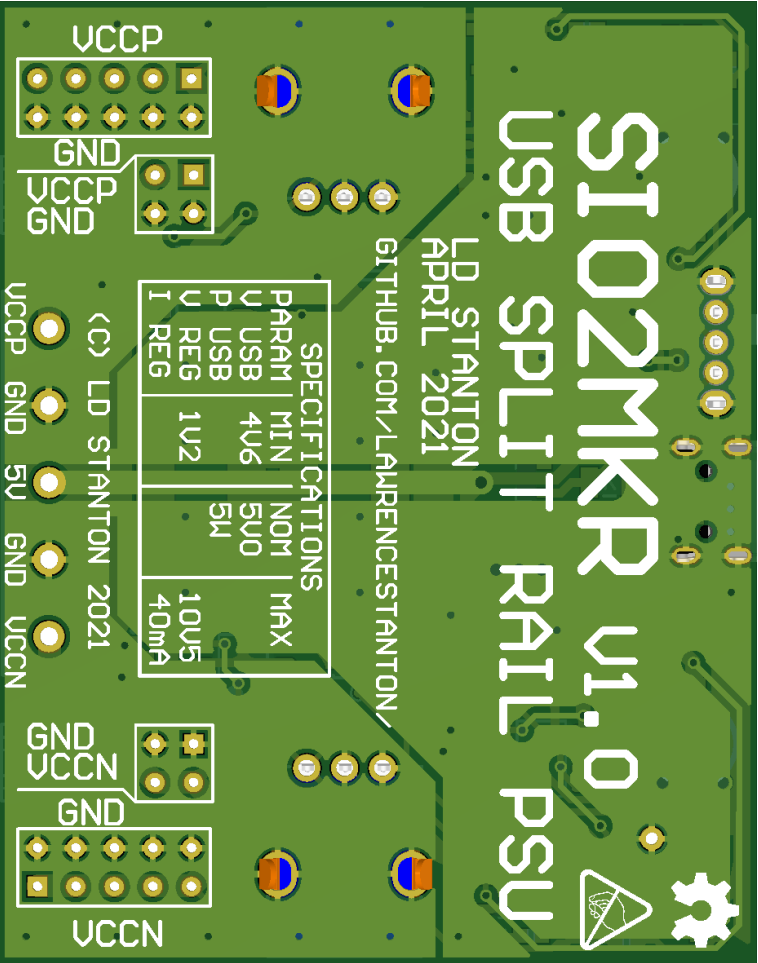
D

E

Realistic View



Realistic View



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

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

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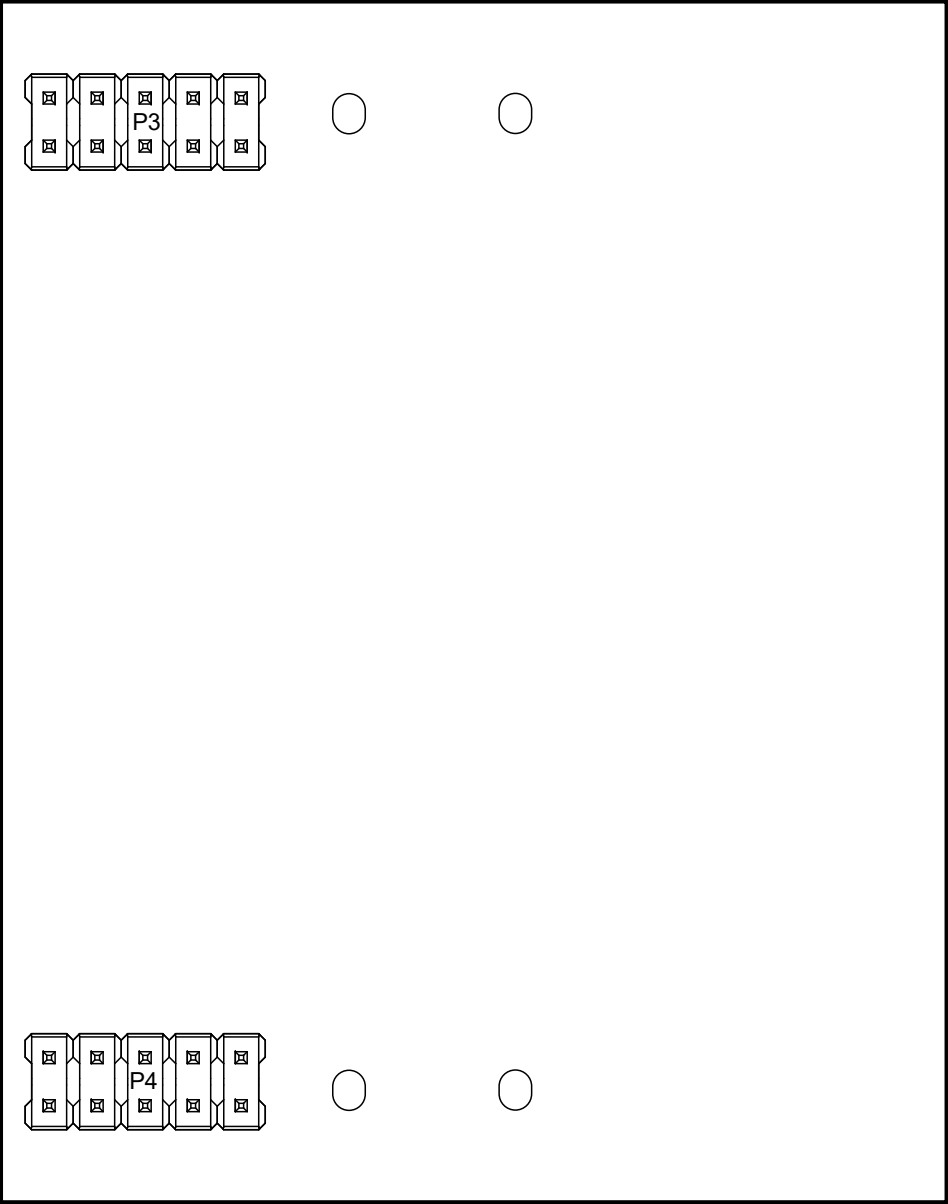
B

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View from Bottom side (Scale 5:2)



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

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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					