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REVISION	DESCRIPTION	DATE
v1.0	Initial Prototype	09/04/2021
v2.0	Second Prototype	07/06/2021
v3.0	Design Candidate	05/08/2021
v4.3	Final Design	27/11/2021

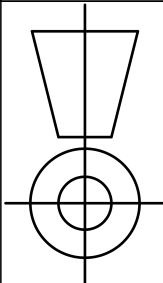
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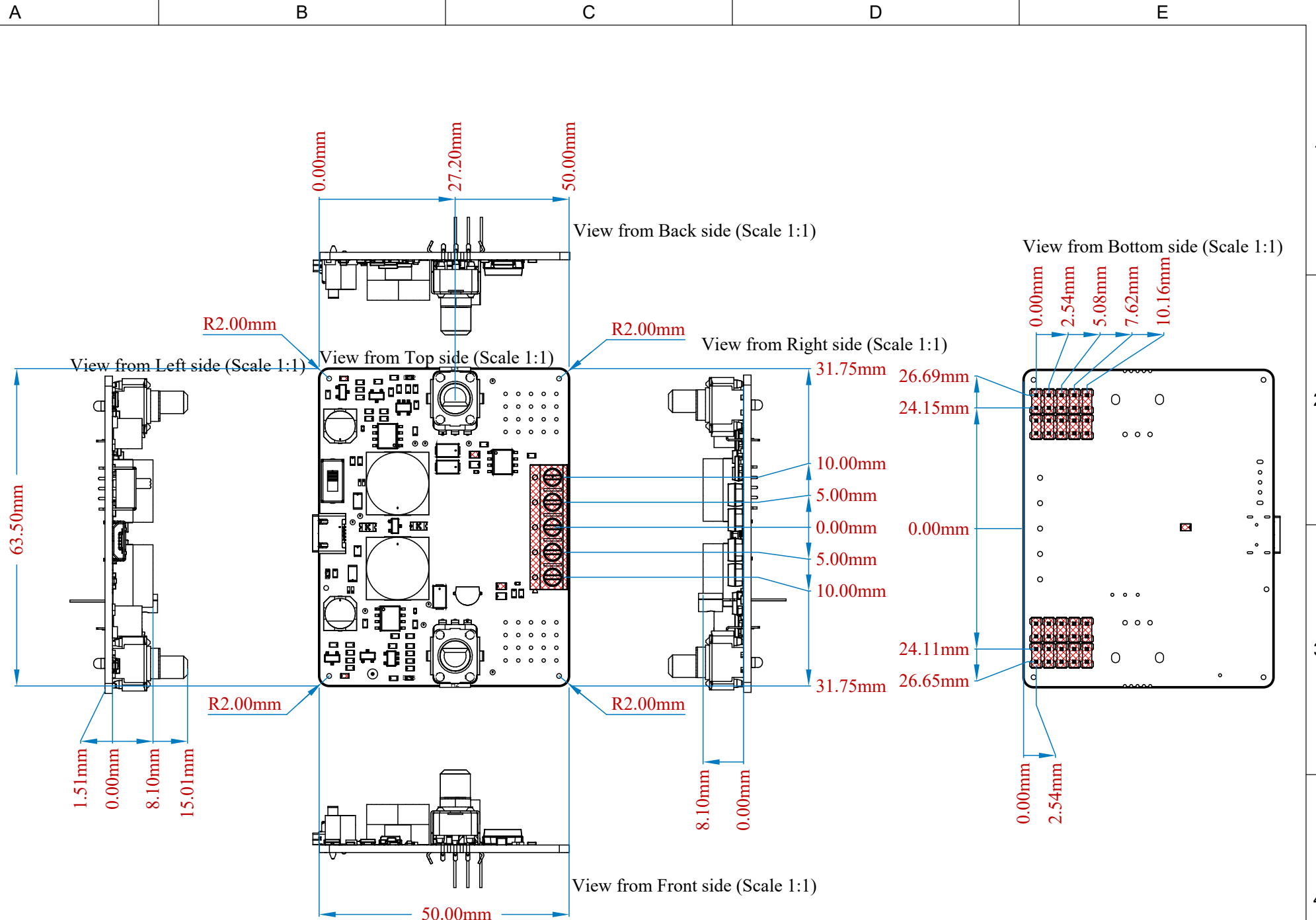
Board Assembly Statistics

Item	Value
Board Height	63.50mm
Board Width	50.00mm
Board Area	3171.61sq.mm
Component Count	109
Board Density	35%
Net Count	50
Pad Count	304

THIRD ANGLE



<div>APPROVALS</div> <div>ENGINEER: LD STANTON</div> <div>CHECKER: JC Pead</div> <div>REFERENCE DOCUMENTS</div> <div>BOM DOC: Bill of Materials.csv</div> <div>CPL DOC: Pick and Place.csv</div> <div>FAB DOC: Fabrication.PCBDwf</div> <div>SCH DOC: Main.SchDoc</div> <div>PCB DOC: PCB.PcbDoc</div>	DATE		<div>UNIVERSITY OF CAPE TOWN</div> <div>DEPARTMENT OF ELECTRICAL ENGINEERING</div> <div>CAPE TOWN</div> <div>SOUTH AFRICA</div> <div>7701</div> <div>CONTACT: LAWRENCE STANTON</div> <div>ALTERNATIVE: JUSTIN PEAD</div> <div>STNLAW003@myuct.ac.za</div> <div>justin.pead@uct.ac.za</div>
	27/11/2021		
	--/--/----		
	TITLE:		
	SIO2MKR		
	USB Split Rail Power Supply for Breadboards		
	VARIANT:		
JLPCB SMT Assembly		REVISION	v4.3 2021/12/10
SIZE:		DWG:	
A4		ASSEMBLEY	
SCALE:		FILE:	Assembly.PCBDwf
1:1		SHEET 1 OF 7	



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 2 OF 7

A

B

C

D

E

1

1

View from Front side (Scale 5:2)

POWER ON LED

TOOLING HOLE

TOOLING HOLE

MC34063

PROBE GND

VNN ADJUST
VNN LED

LM337

TOOLING HOLE

MC34063

TOOLING HOLE
VPP LED

VPP ADJUST

LM317

TOOLING HOLE

View from Back side (Scale 1:1)

0805 5V PTC FUSE BYPASS

SIZE:

A4

DWG:

ASSEMBLY

SCALE:

1:1

FILE:

Assembly.PCBDwf

SHEET 3 OF 7

A

B

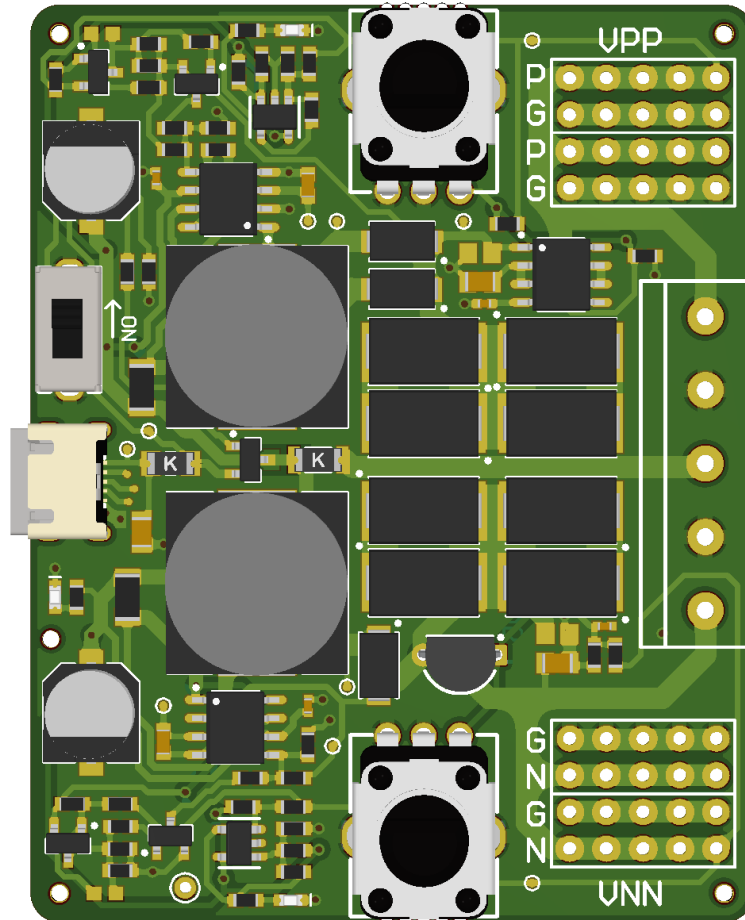
C

D

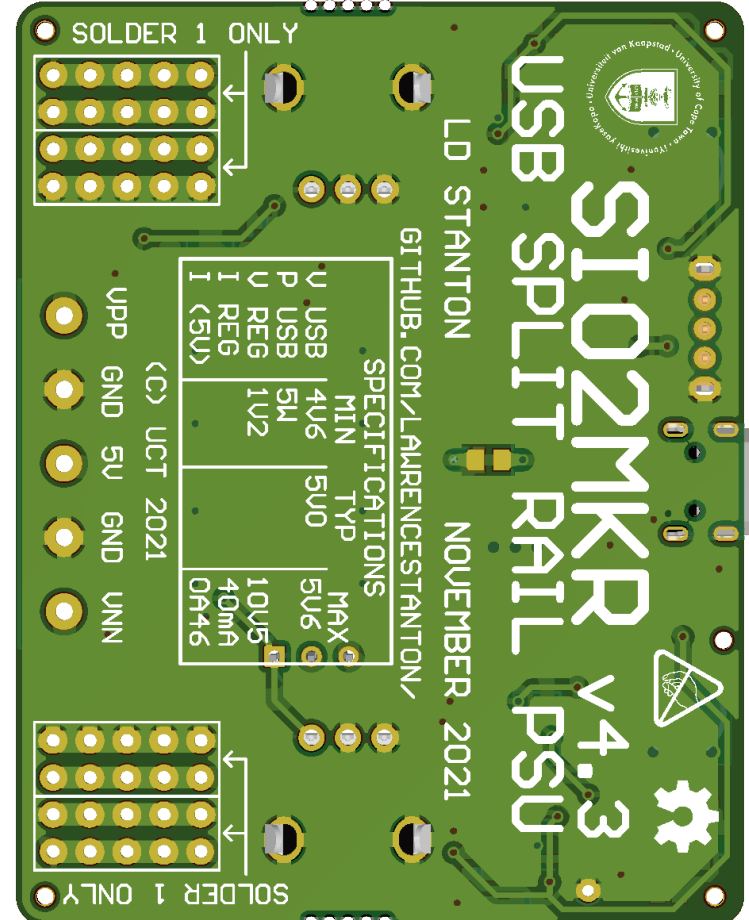
E

4

Realistic View



Realistic View



SIZE:	A4		DWG:	ASSEMBLEY		
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 4 OF 7	

A

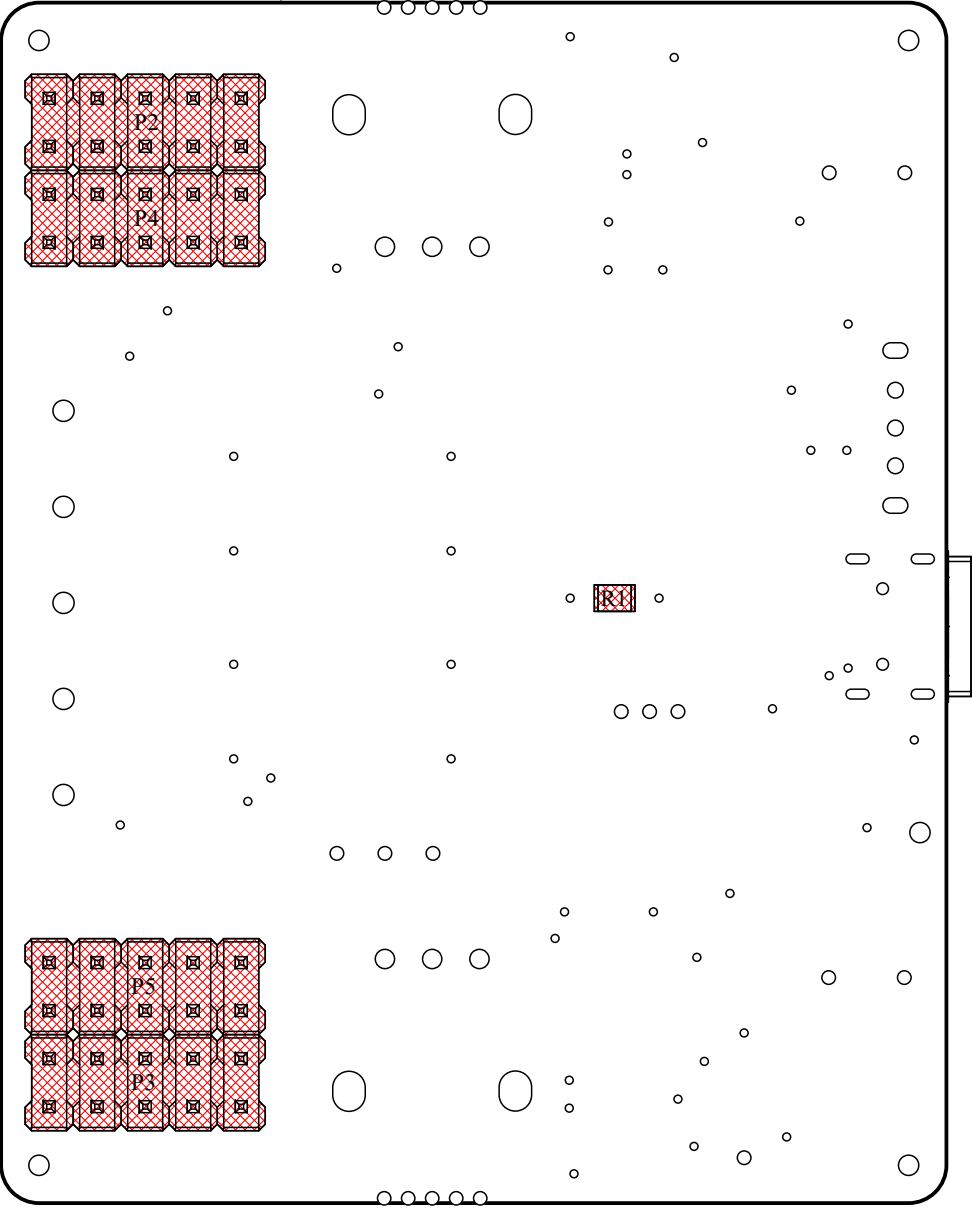
B

C

D

E

View from Bottom side (Scale 5:2)



SIZE:	A4		DWG:	ASSEMBLY	
SCALE:	1:1		FILE:	Assembly.PCBDwf	SHEET 6 OF 7

A

B

C

D

E

