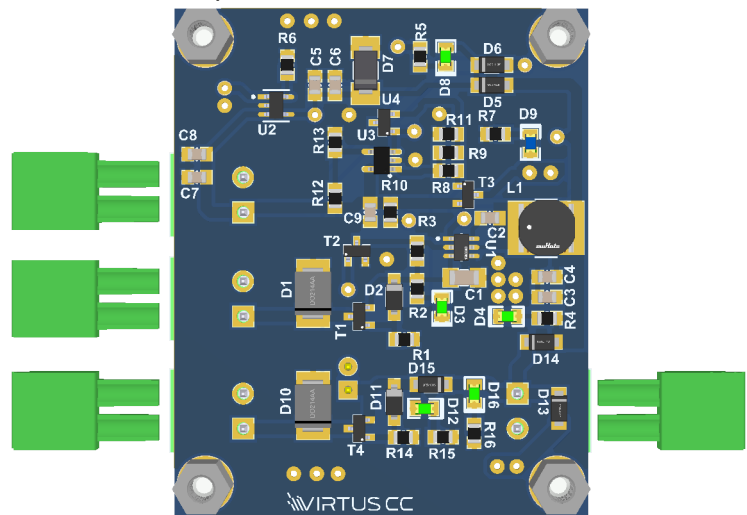
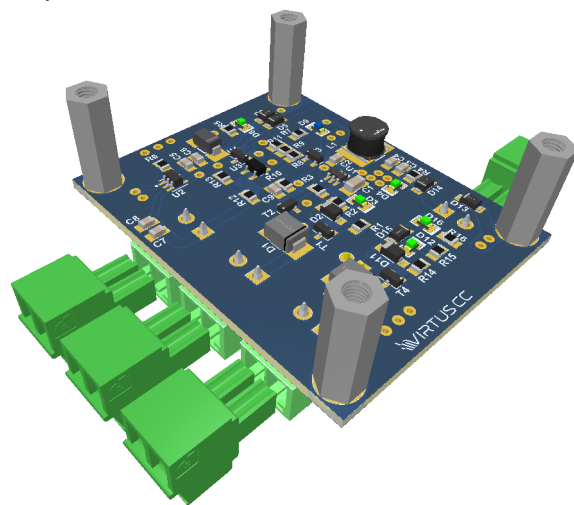


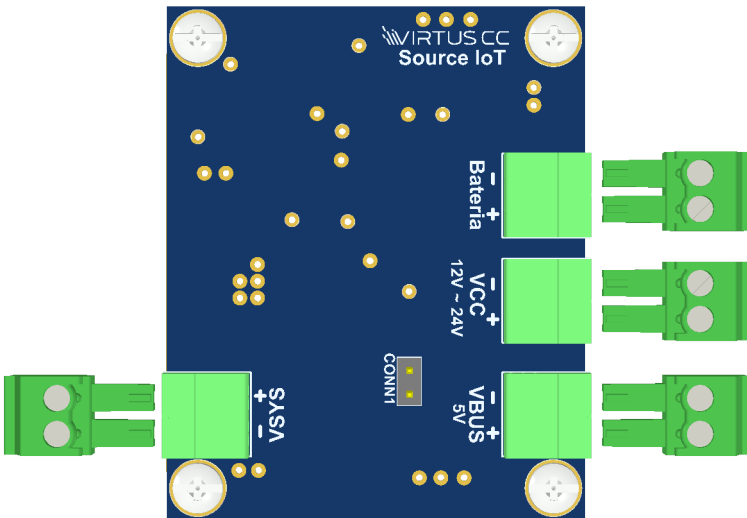
Realistic View Top



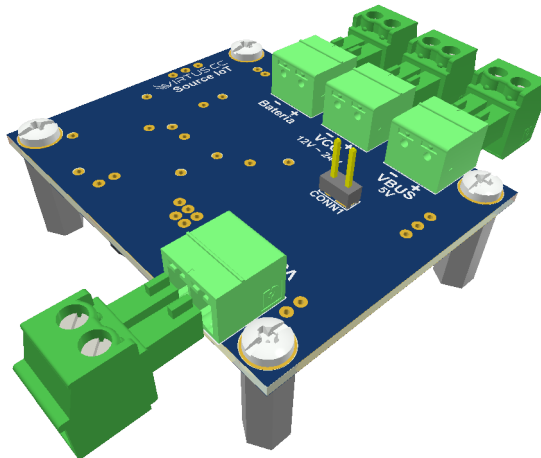
Realistic View Top



Realistic View Bottom



Realistic View Bottom



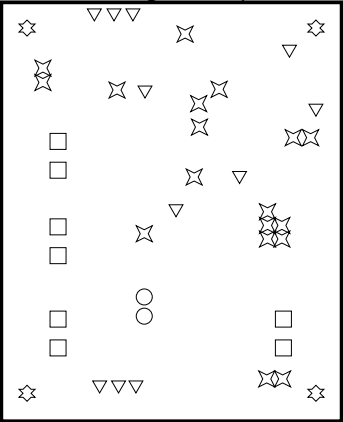
		Endereço Rua Aprígio Veloso, 1500 - Bodocongó CEP: 58.429-140 Campina Grande - Paraíba Brasil	
Título: Fonte Padrão IoT			
Projeto: Virtus CC			
Conta: Virtus CC		1º Contrato	
Projetista: Joab da Silva Bezerra		Revisor: Fulano de Tal	
Arquivo: Draftsman.PCBDwf			Pág.: 1 de: 7
Data: 17/12/2024			Rev.: v.0.1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.02540mm	SM-003	Solder Mask	GTS
Copper	Top Layer	0.03556mm		Signal	GTL
		1.50000mm	FR-4	Dielectric	
Copper	Bottom Layer	0.03556mm		Signal	GBL
Surface Material	Bottom Solder	0.02540mm	SM-003	Solder Mask	GBS
	Bottom Overlay			Legend	GBO


Total thickness: 1.62192mm

Drill Drawing View (Scale 1:1)

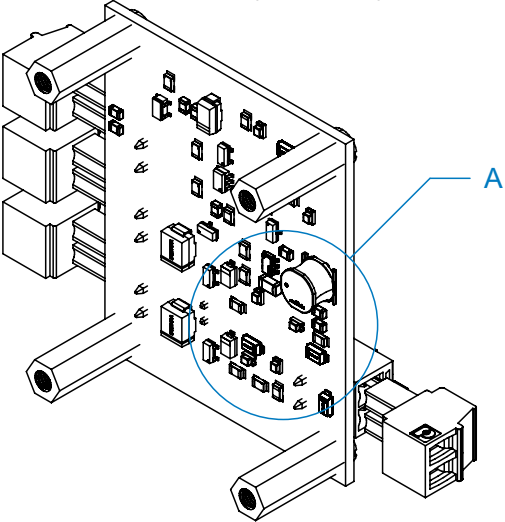


Drill Table

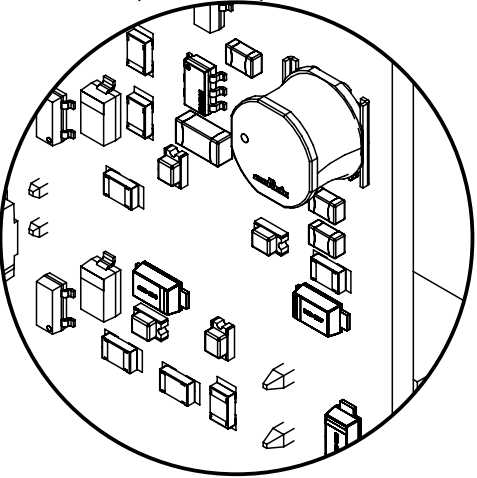
Symbol	Count	Hole Size	Plated	Hole Tolerance
✧	18	0.70mm	Plated	
▽	11	0.71mm	Plated	
○	2	0.90mm	Plated	
□	8	1.40mm	Plated	
☆	4	3.20mm	Plated	
43 Total				

		Endereço Rua Aprígio Veloso, 1500 - Bodocongó CEP: 58.429-140 Campina Grande - Paraíba Brasil	
Título: Fonte Padrão IoT			
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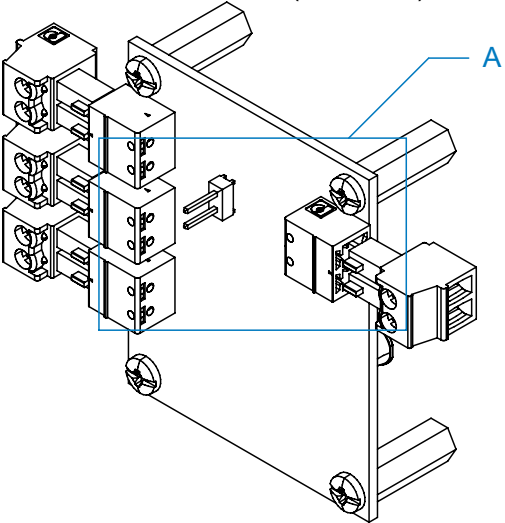
View from Top side (Scale 1:1)



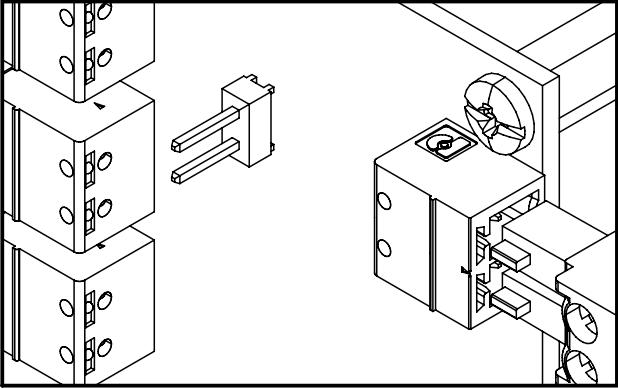
DETAIL A (Scale 5:2)



View from Bottom side (Scale 1:1)

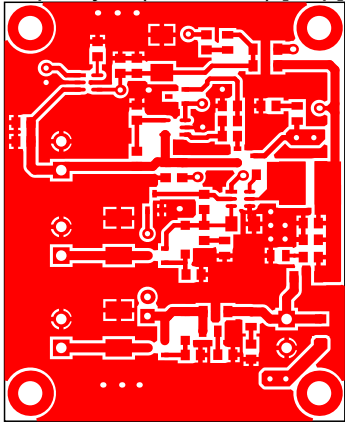


DETAIL A (Scale 2:1)

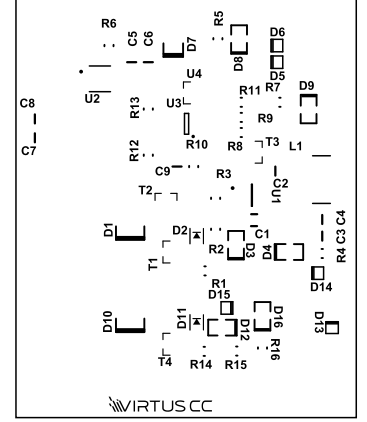


		Endereço Rua Aprígio Veloso, 1500 - Bodocongó CEP: 58.429-140 Campina Grande - Paraíba Brasil	
Título: Fonte Padrão IoT			
Projeto: Virtus CC			
Conta: Virtus CC		1º Contrato	
Projetista: Joab da Silva Bezerra		Revisor: Fulano de Tal	
Arquivo: Draftsman.PCBDwf			Pág.: 3 de: 7
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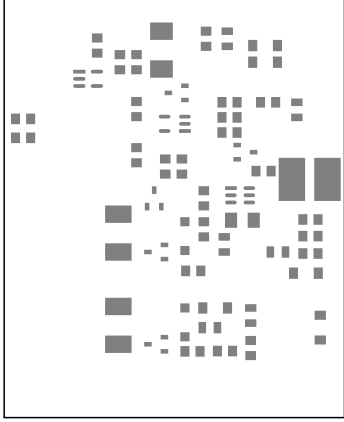
Top Layer (Scale 1:1) [Top]



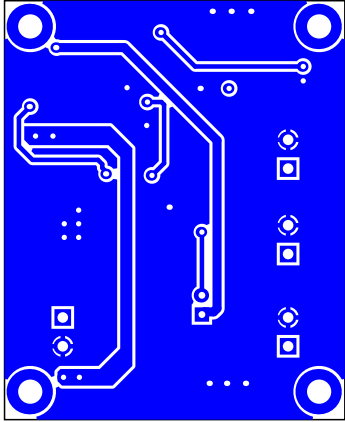
Top Overlay (Scale 1:1) [Top]



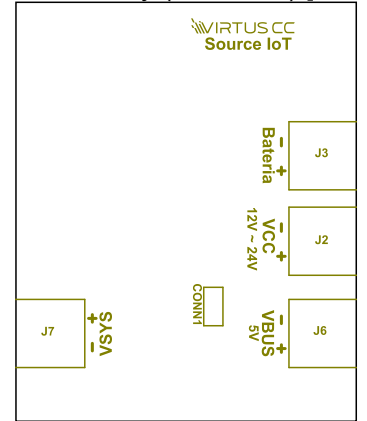
Top Paste (Scale 1:1) [Top]



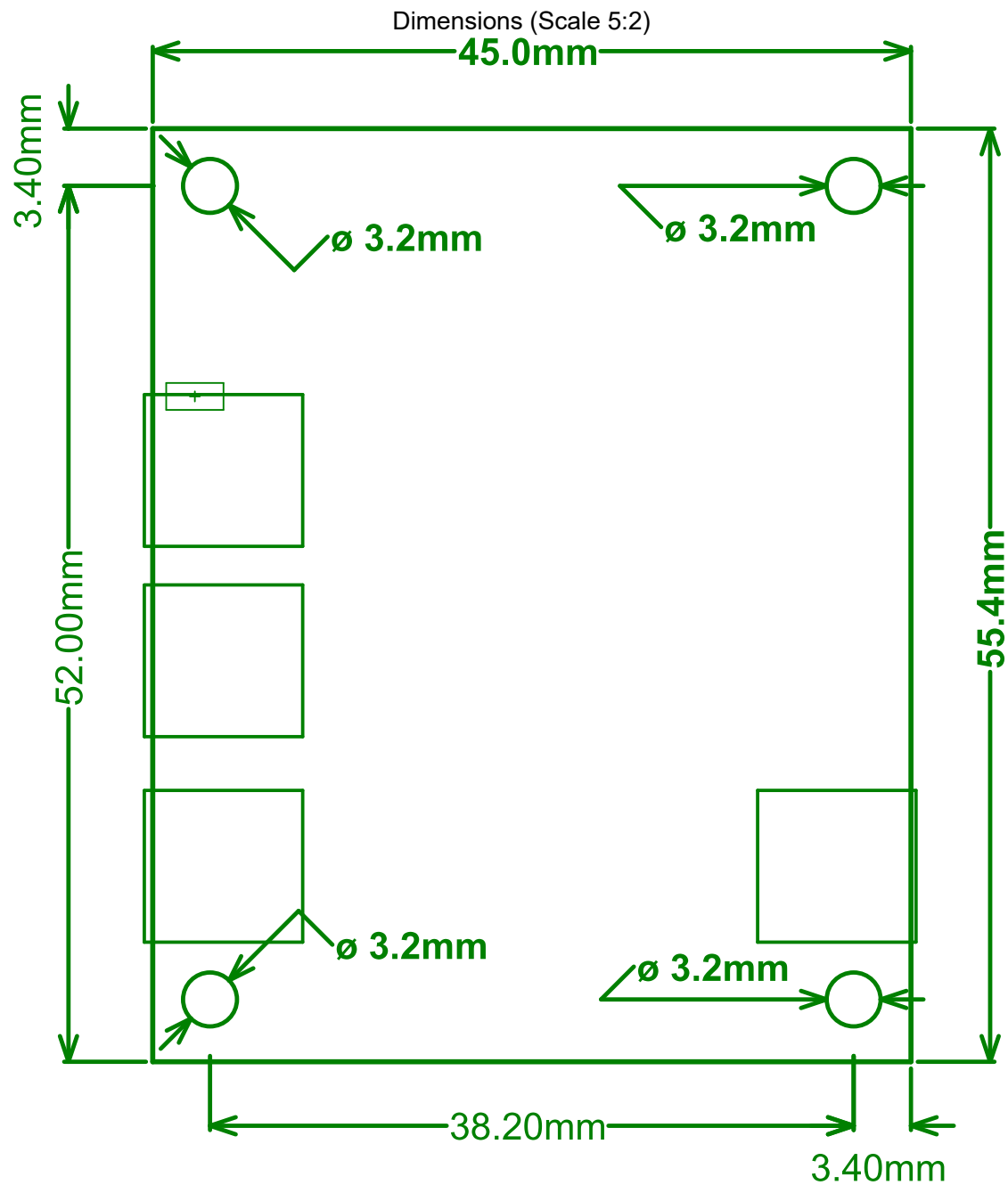
Bottom Layer (Scale 1:1) [Bottom]




Bottom Overlay (Scale 1:1) [Bottom]



		Endereço Rua Aprígio Veloso, 1500 - Bodocongó CEP: 58.429-140 Campina Grande - Paraíba Brasil	
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Projetista: Joab da Silva Bezerra		Revisor: Fulano de Tal	
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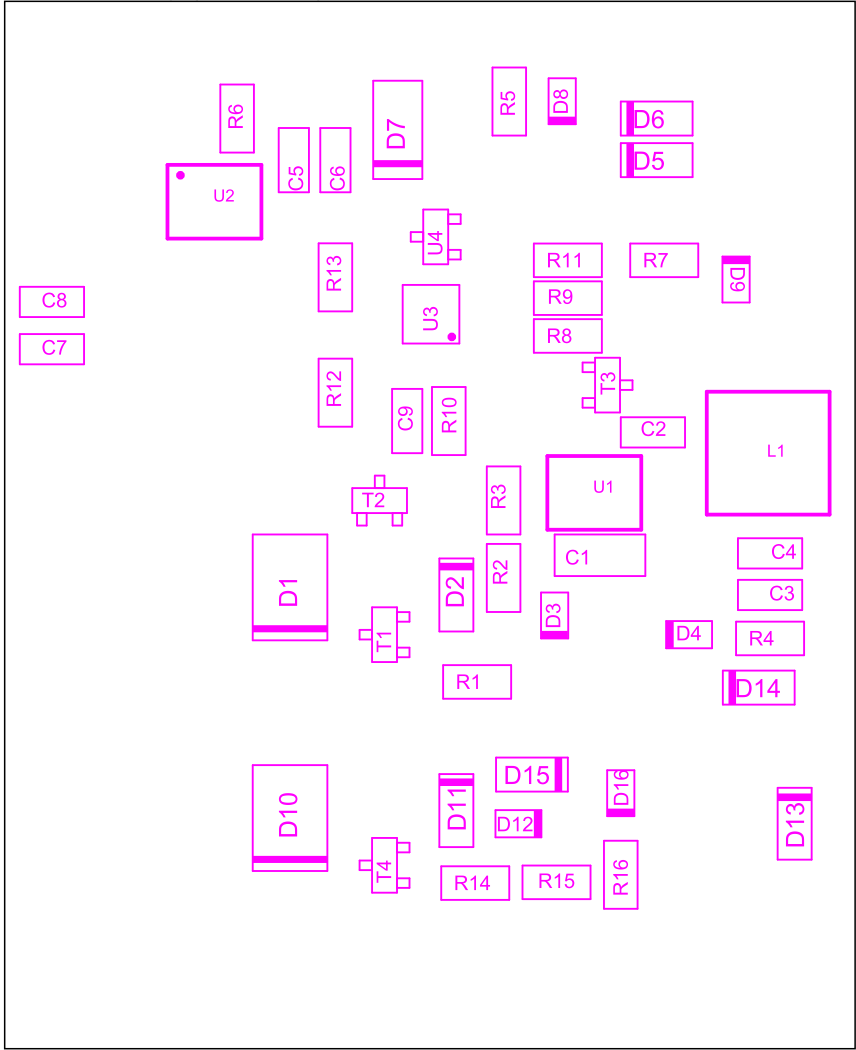


		Endereço Rua Aprígio Veloso, 1500 - Bodocongó CEP: 58.429-140 Campina Grande - Paraíba Brasil	
Título: Fonte Padrão IoT			
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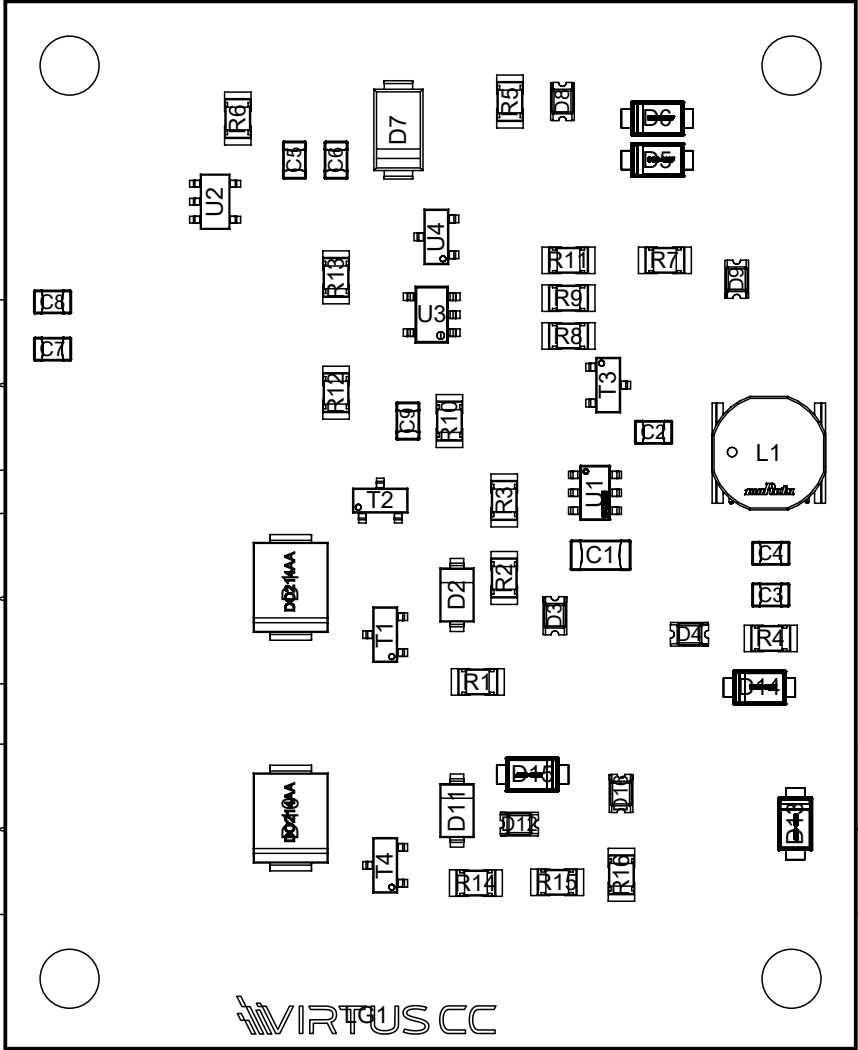
Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1	CL31A106KBHNNNE	1
2	C2, C5, C7, C9	CL21B104KACNNNC	4
3	C3, C4	CL21A226MAYNNNE	2
4	C6, C8	C2012X5R1E475K125AB	2
5	CONN1	TSW-101-07-G-D	1
6	D1	SMBJ28CAQ-13-F	1
7	D2, D11	MMSZ5245B-TP	2
8	D3, D4, D8, D12, D16	LTST-C170GKT	5
9	D5, D6, D13, D14, D15	MBR120VLSFT1G	5
10	D7	SMAJ5.0A-13-F	1
11	D9	LTST-C171TBKT	1
12	D10	SMBJ6.0CATR	1
13	J1, J4, J5, J8	5447861	4
14	J2, J3, J6, J7	5444262	4
15	L1	1255AY-4R7M=P3	1
16	LG1, LG2	Logo_Virtus	2
17	R1, R10, R14	RC0805FR-0710KL	3
18	R2	RC0805FR-071KL	1
19	R3, R12	CRGCQ0805F100K	2
20	R4, R5, R7, R15, R16	CRGCQ0805J470R	5
21	R6	ERJ-6ENF2001V	1
22	R8	RC0805FR-071ML	1
23	R9	RC0805FR-07270KL	1
24	R11	RC0805FR-0716KL	1
25	R13	RC0805FR-13330KL	1
26	SCW1, SCW2, SCW3, SCW4	SCREW_M3	4
27	STF1, STF2, STF3, STF4	R30-1011502	4
28	T1, T4	DMP4065S-7	2
29	T2	DDTC143ZCA-7-F	1
30	T3	PJA3415_R1_00001	1
31	U1	AP63205WU-7	1
32	U2	MCP73831T-2ACI/OT	1
33	U3	TLV7031QDBVRQ1	1
34	U4	LM4041DYM3-1.2-TR	1

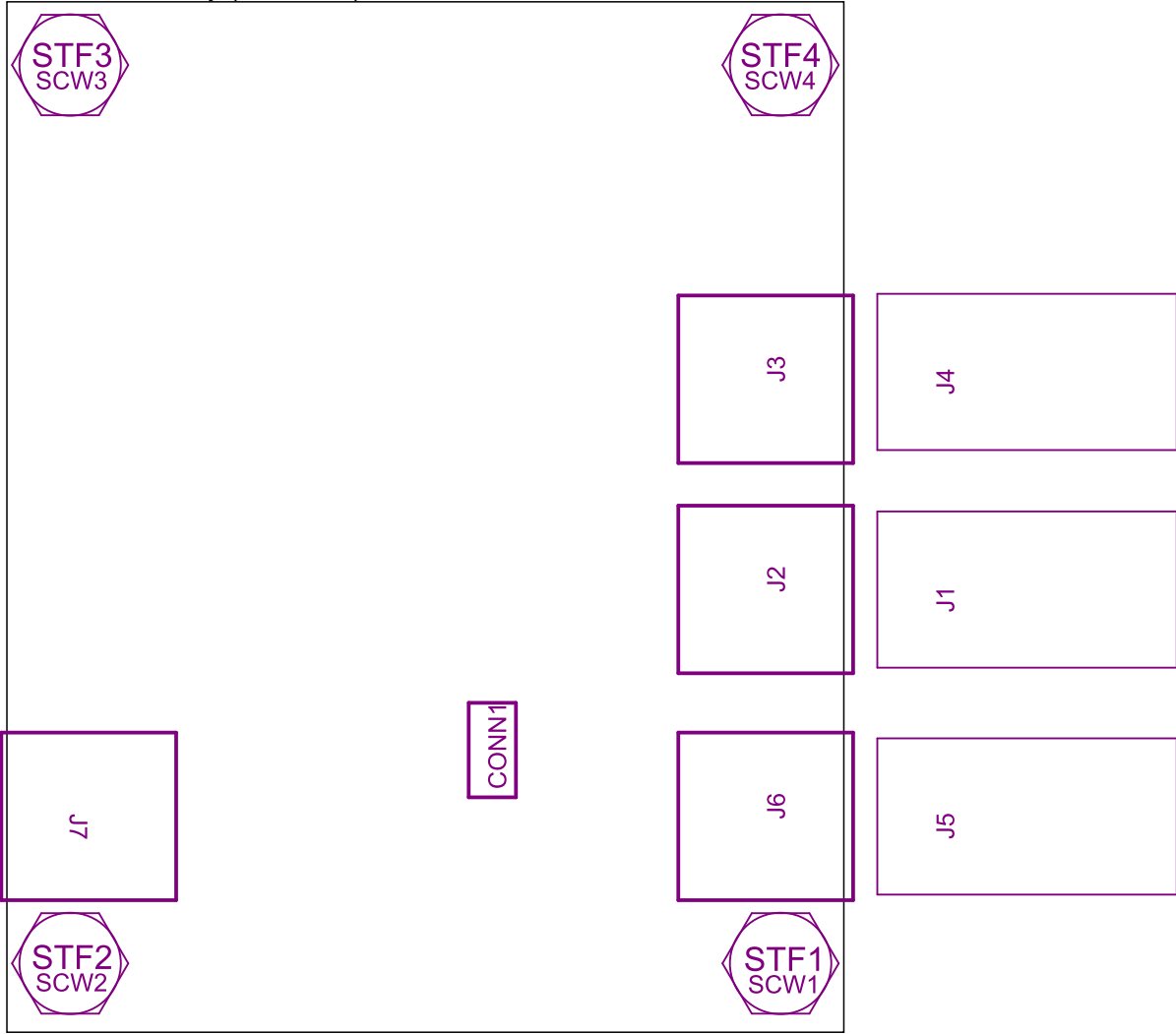
Top Assembly (Scale 5:2)



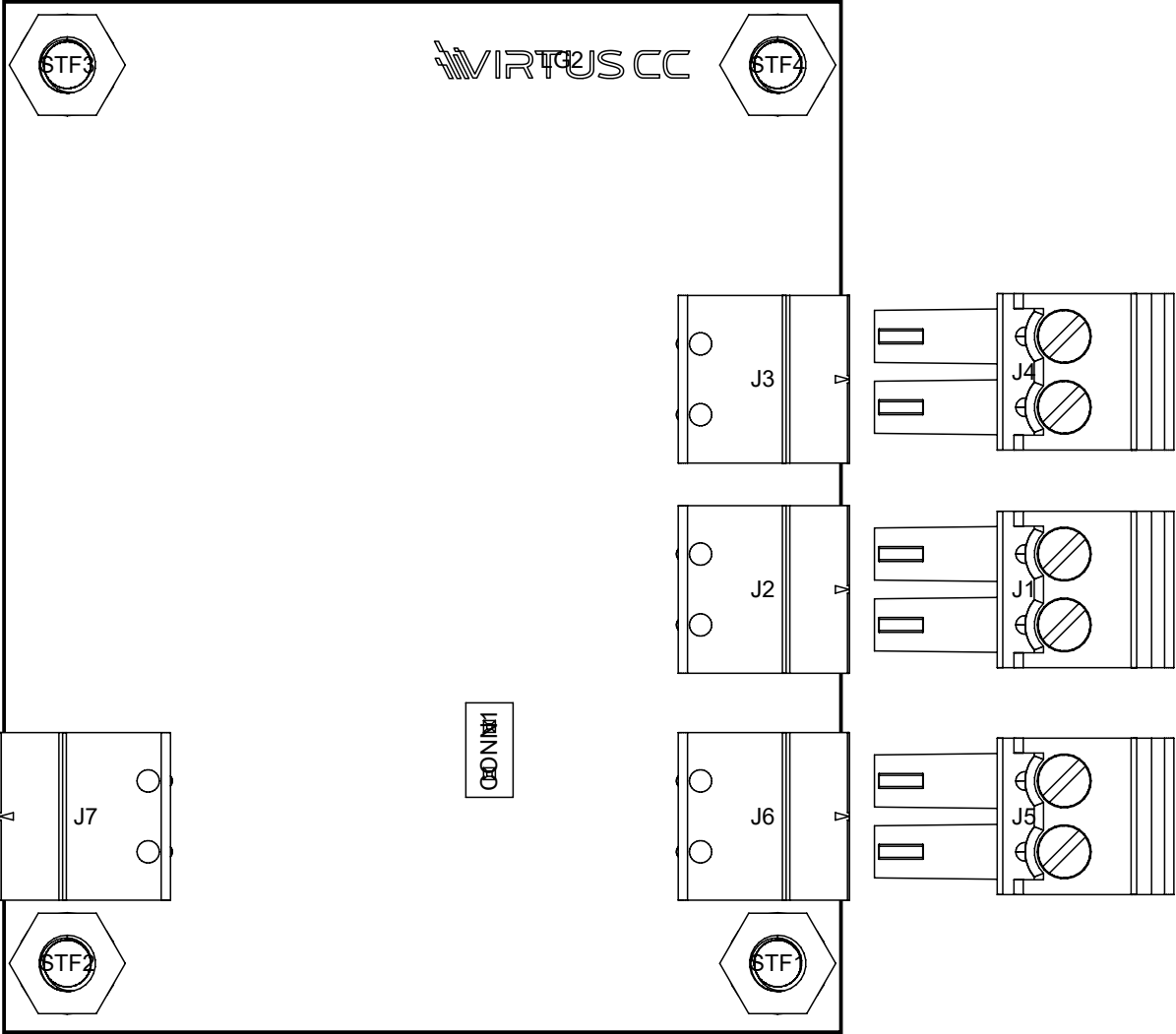
View from Top side (Scale 5:2)



Bottom Assembly (Scale 5:2)



View from Bottom side (Scale 5:2)



Bill Of Materials

Line #	Designator	Comment	Quantity
5	CONN1	TSW-101-07-G-D	1
13	J1, J4, J5, J8	5447861	4
14	J2, J3, J6, J7	5444262	4
16	LG2	Logo_Virtus	1
26	SCW1, SCW2, SCW3, SCW4	SCREW_M3	4
27	STF1, STF2, STF3, STF4	R30-1011502	4