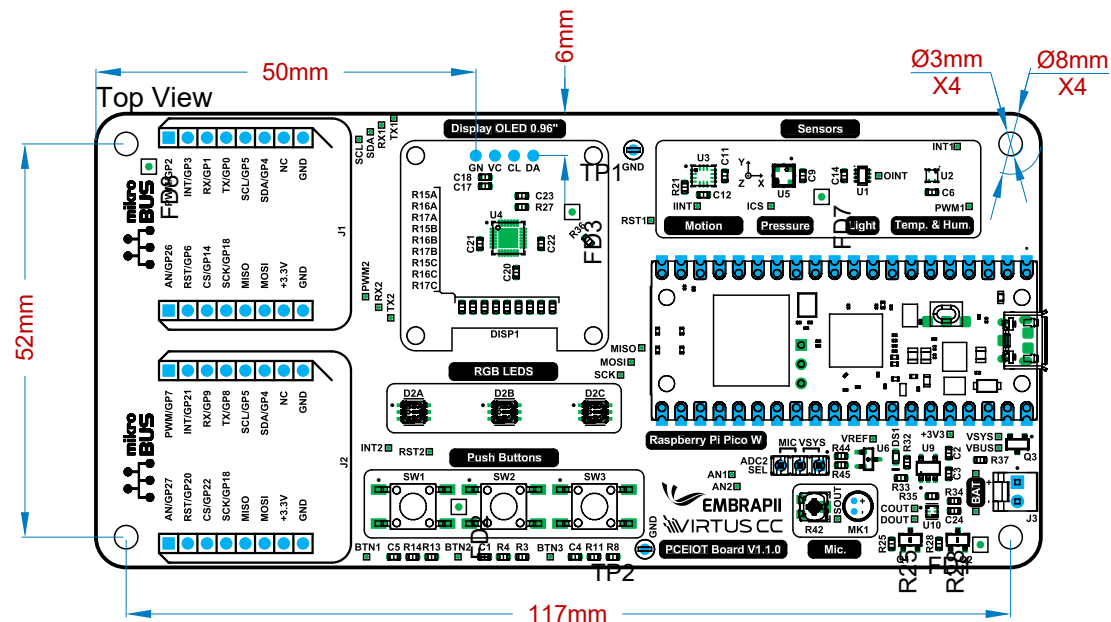
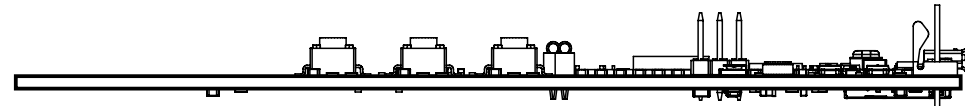


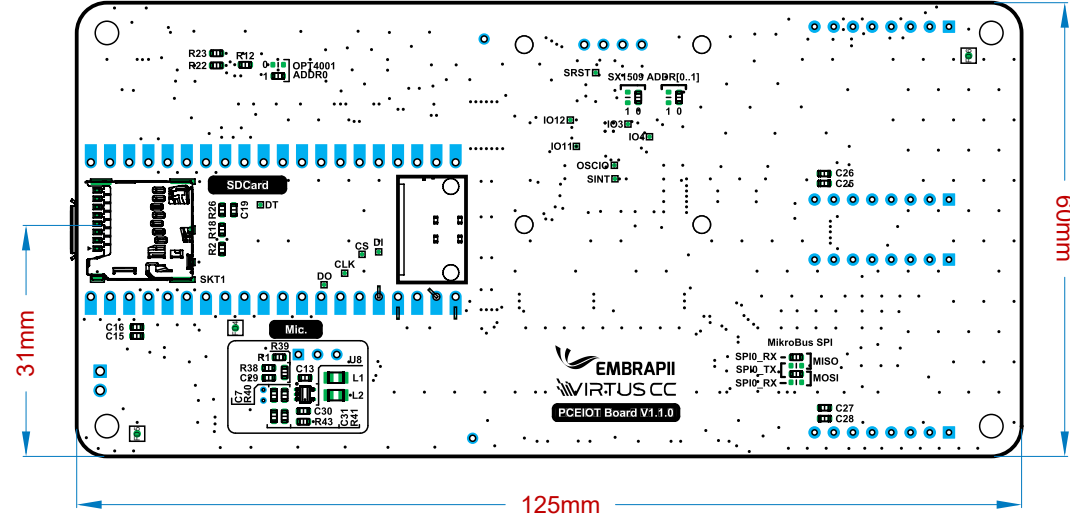
PCEIoT V1.1.0
Variant: Fabrication
Board view



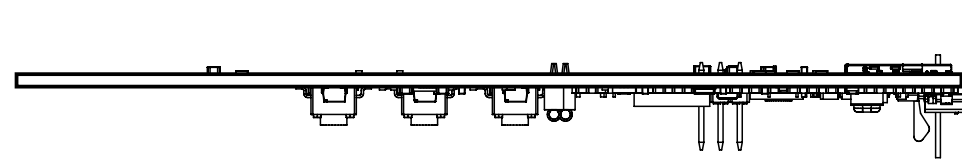
Front View



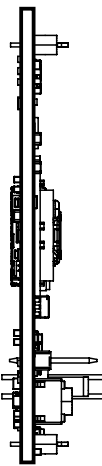
Bottom View



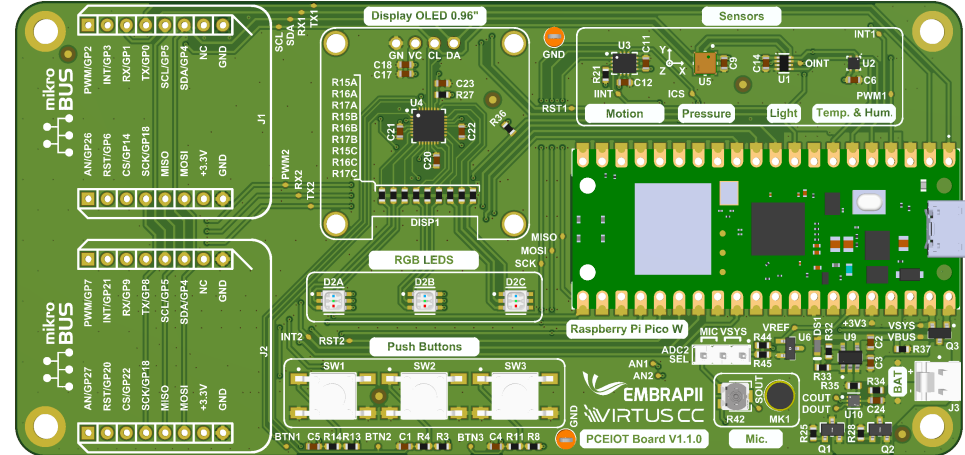
Back View



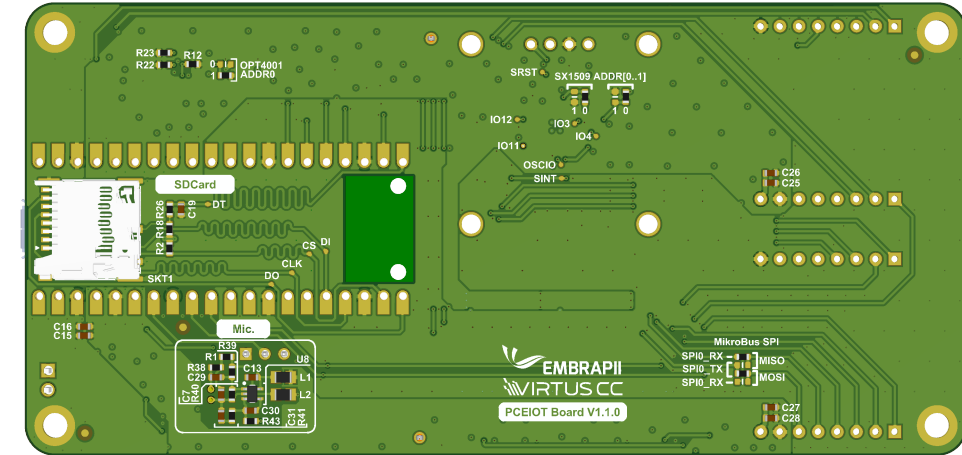
Left View



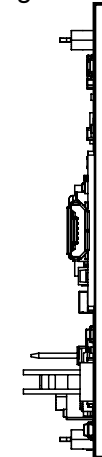
Realistic View




Realistic View



Right View

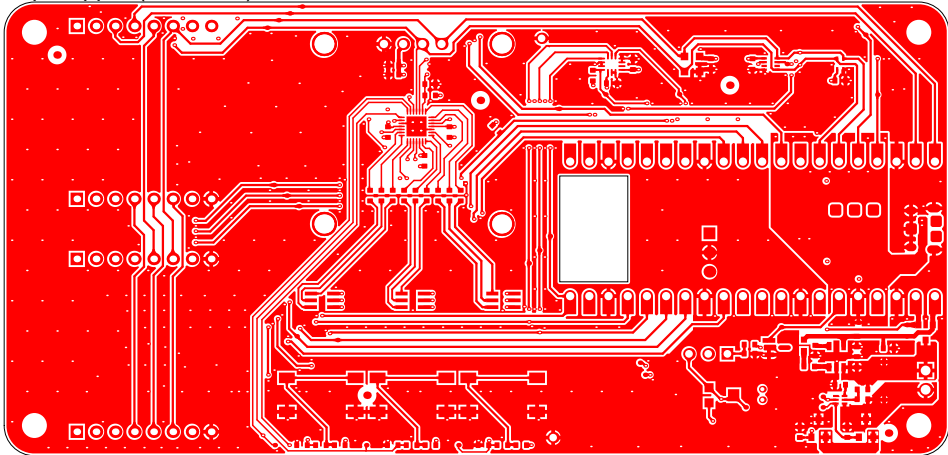


		ADDRESS R. Aprício Veloso, 882, Universitário Campina Grande - PB 58429-900	
PROJECT PCEIoT		VERSION V1.1.0	
TITLE PCB-PCEIOT.PCBDwf		SIZE A3	SCALE 1:1
DOCUMENT NAME: PCB-PCEIOT.PCBDwf		SHEET: 1 OF 3	
DOCUMENT REVISION: 611dd4d5			
PROJECT REVISION: eaeac7f0			

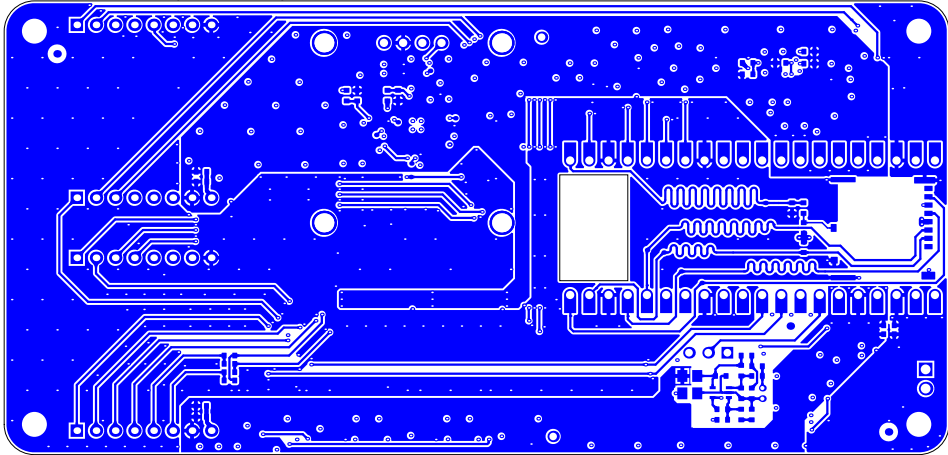
Layers, Stack and Drill Drawings

REVISION	DESCRIPTION	DATE	APPROVED

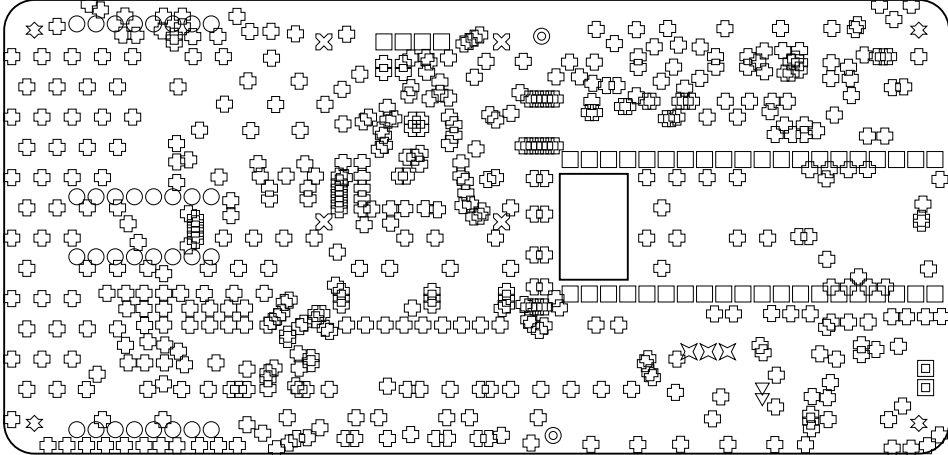
Top Copper (Scale 1:1)



Bottom Copper (Scale 1:1)



Drill Drawing View (Scale 1:1)




Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
Surface Material	Top Overlay			Legend	GTO
	Top Mask	0.030mm	Solder Resist	Solder Mask	GTS
Copper	Top Copper	0.035mm		Signal	GTL
Prepreg		0.210mm	7628	Dielectric	
Copper	Top Ref	0.015mm		Internal Plane	GP1
Core		1.065mm	FR-4	Dielectric	
Copper	Bottom Ref	0.015mm		Internal Plane	GP2
Prepreg		0.210mm	7628	Dielectric	
Copper	Bottom Copper	0.035mm		Signal	GBL
Surface Material	Bottom Mask	0.030mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.647mm					

Drill Table

Symbol	Count	Hole Size	Via / Pad	Drill Layer Pair
⊕	536	0.200mm	Via	Top Copper - Bottom Copper
▽	2	0.550mm	Pad	Top Copper - Bottom Copper
○	32	0.889mm	Pad	Top Copper - Bottom Copper
⊙	2	1.000mm	Pad	Top Copper - Bottom Copper
✕	3	1.020mm	Pad	Top Copper - Bottom Copper
□	44	1.100mm	Pad	Top Copper - Bottom Copper
▣	2	1.300mm	Pad	Top Copper - Bottom Copper
⊗	4	2.500mm	Via	Top Copper - Bottom Copper
☆	4	3.300mm	Via	Top Copper - Bottom Copper
629 Total				

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A	B	C	D	E	F	G		H		
						REVISION	DESCRIPTION		DATE	APPROVED


Bill of materials

Bill Of Materials

Designator	Name	Quantity
C1, C4, C5, C19	VJ0603Y103KXAAC	4
C2, C3	Capacitor 4.7µF +/-20% 10V 0603	2
C6, C7, C9, C11, C12, C13, C14, C15, C16, C17, C18, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29	VJ0603Y104MXJCW1BC	21
C30	C0603C101K5GACTU	1
C31	GRM188R60J106ME47D	1
D2A, D2B, D2C	ASMT-YTB7-0AA02	3
DS1	19-217/R6C-AL1M2VY/3T	1
J3	640456-2	1
L1, L2	BLM21PG331SN1D	2
MK1	CMEJ-0415-42-LP	1
P1	22-28-4033	1
Q1, Q2	DMN1019USN-7	2
Q3	G09P02L	1
R1, R38, R41, R45	Resistor 1k +/-1% 0603 100 mW	4
R2, R3, R4, R8, R11, R12, R13, R14, R18, R21, R22, R23, R26, R27, R36, R37, R44	Resistor 10k +/-1% 0603 100 mW	17
R5, R9, R10, R30, R31	Resistor 0R +/- 5% 0603 100 mW	5
R15A, R15B, R15C	ERJ-3GEYJ301V	3
R16A, R16B, R16C, R17A, R17B, R17C	ERJ-3EKF1000V	6
R25, R28	ERJ-3GEYJ475V	2
R32	ERJ-3EKF2001V	1
R33	CRCW0603470RJNEA	1
R34	ERJ-3EKF3300V	1
R35, R43	CRCW06032K20FKEA	2
R39, R40	Resistor 100k +/-1% 0603 100 mW	2
R42	TC33X-2-104E	1
SKT1	5033981892	1
SW1, SW2, SW3	FSM4JSMA	3
TP1, TP2	5003	2
U1	OPT4001DTSR	1
U2	SHT40I-AD1B-R3	1
U3	ICM-42670-P	1
U4	SX1509BIULTRT	1
U5	MS563702BA03-50	1
U6	LM4040DYM3-2.5-TR	1
U7	SC0918	1
U8	MAX4466EXK-T	1
U9	MCP73831T-2ACI/OT	1
U10	BQ29700DSER	1

Bill Of Materials (NF)

Designator	Name	Quantity
DISP1	0.96" Display Module	0
J4, J5	61302011821	0
J6, J7, J8, J9	61300811821	0
M1, M2, M7, M8	709670110	0
M3, M4, M9, M10	970080354	0
M5, M6, M11, M12	MPMS 003 0005 PH	0
R6, R7, R19, R20, R24	Resistor 0R +/- 5% 0603 100 mW	0

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DOCUMENT REVISION: 611dd4d5		PROJECT REVISION: eaeac7f0	

A

B

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