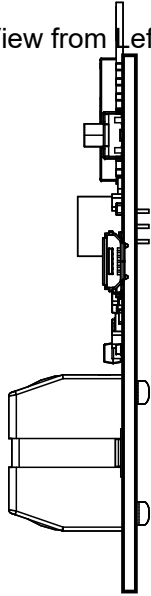
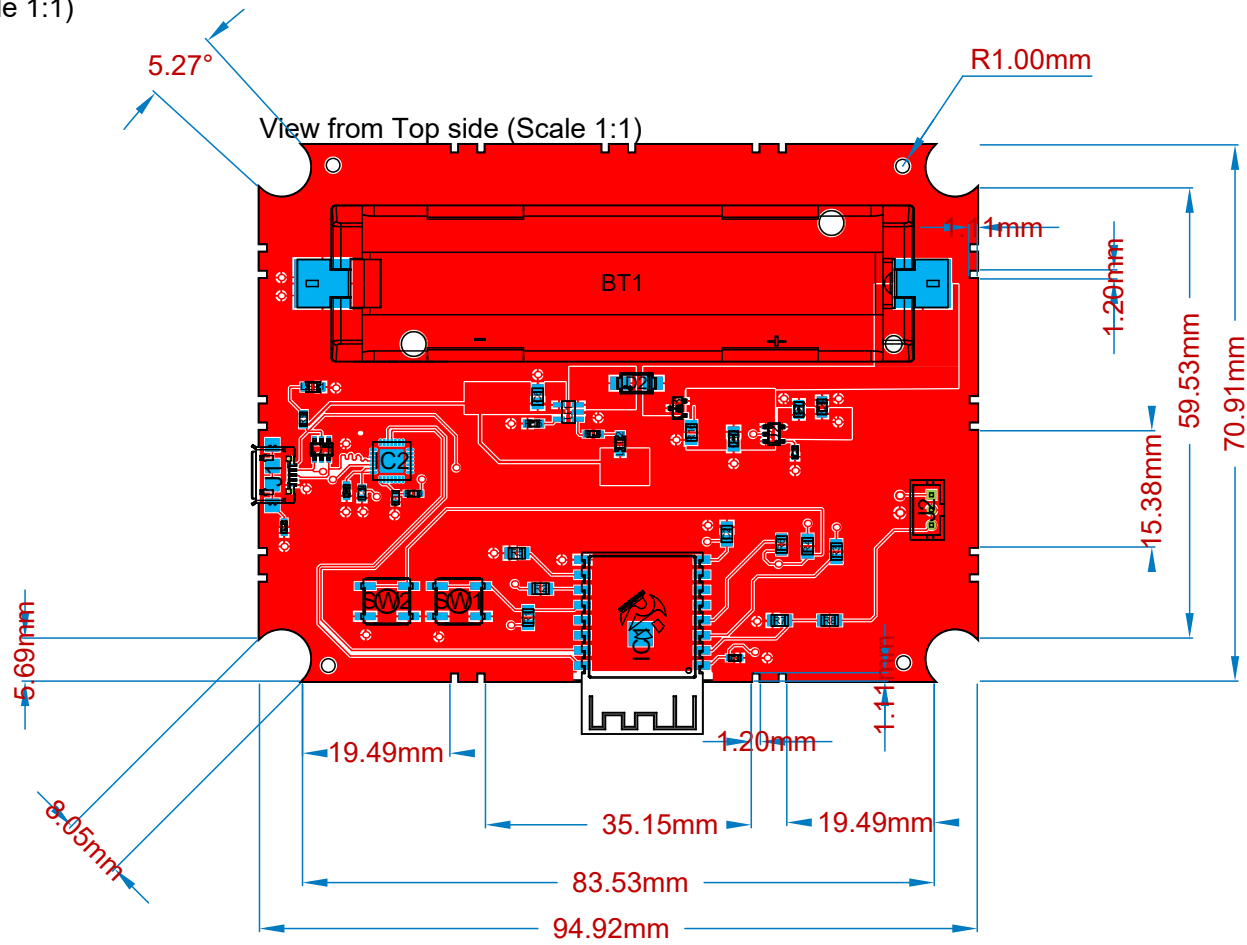


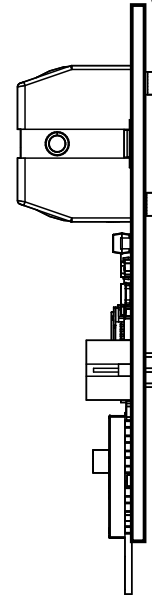
View from Left side (Scale 1:1)



View from Top side (Scale 1:1)



View from Right side (Scale 1:1)



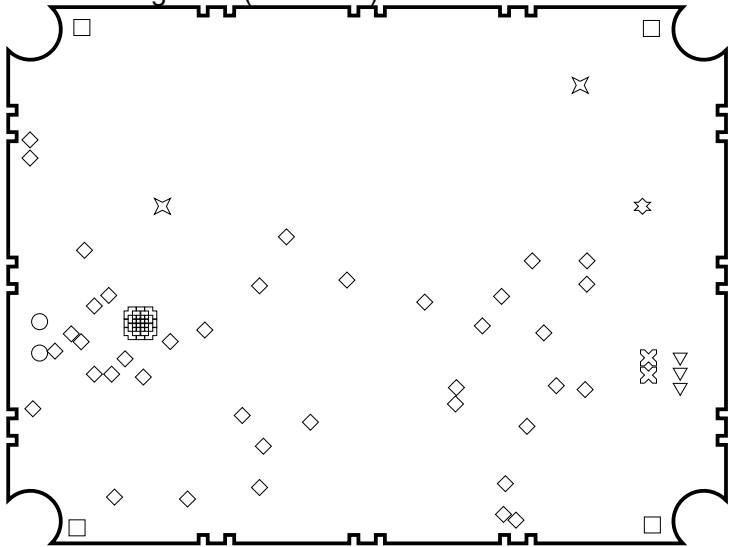
Bill Of Materials

Line #	Designator	Name	Quantity
	BT1	1042P	1
	C1	0.1μF	1
	C2, C6	2.2μF, 2.2uF	2
	C3	1nF	1
	C4	10μF	1
	C5	0.1μF	1
	C7	10uF	1
	C8	0.1uF	1
	C9	470pF	1
	C10	10uF	1
	D1	USBLC6-4SC6	1
	D2	SS14	1
	IC1	ESP-12S	1
	IC2	CP2102-GM	1
	J1	629105136821	1
	J2	B3B-PH-K-S(LF)(SN)	1
	LED1, LED2	LS R976-NR-1	2
	Q3	SI2301BDS-T1-GE3	1
	R1, R2, R3, R4, R5	12K	5
	R6	0R	1
	R7	4.7K	1
	R8	2K	1
	R9	680R	1
	R10	22.1K	1
	R11	47.5K	1
	R14	330R	1
	R15	2K	1
	R16	100KR	1
	SW1, SW2	430773051825	2
	U1	LTC4054ES5-4.2#TRMPBF	1
	U2	MIC5219-3.3YM5-TR	1

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⊕	9	0.20mm	Plated	
◇	39	0.61mm	Plated	
○	2	0.70mm	Non-Plated	
⊗	2	0.71mm	Plated	
▽	3	0.80mm	Plated	
□	4	2.00mm	Non-Plated	
☆	1	2.39mm	Non-Plated	
✕	2	3.45mm	Non-Plated	
	62 Total			

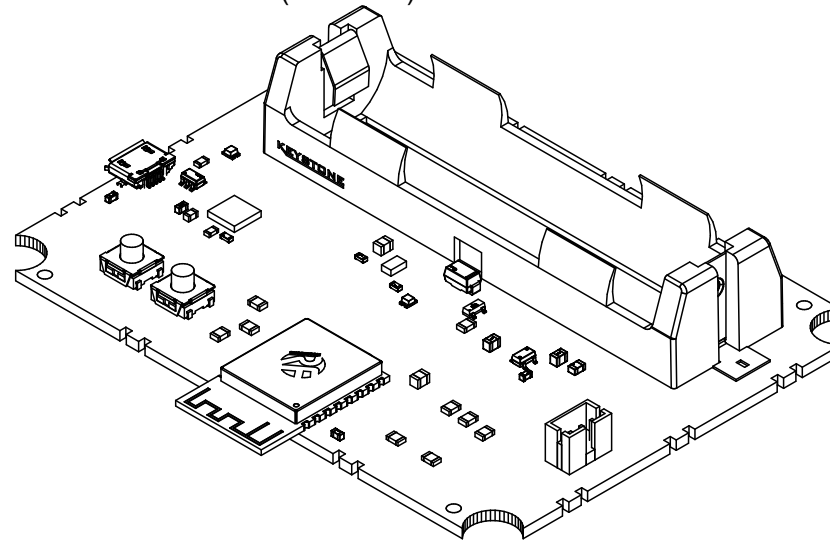
Drill Drawing View (Scale 1:1)



Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.26mm	PP-006	Dielectric	
CF-004	GND	0.04mm		Internal Plane	GP1
Core		1.02mm	FR-4	Dielectric	
CF-004	3V3	0.04mm		Internal Plane	GP2
Prepreg		0.26mm	PP-006	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.70mm					

View from Front side (Scale 1:1)



Realistic View

