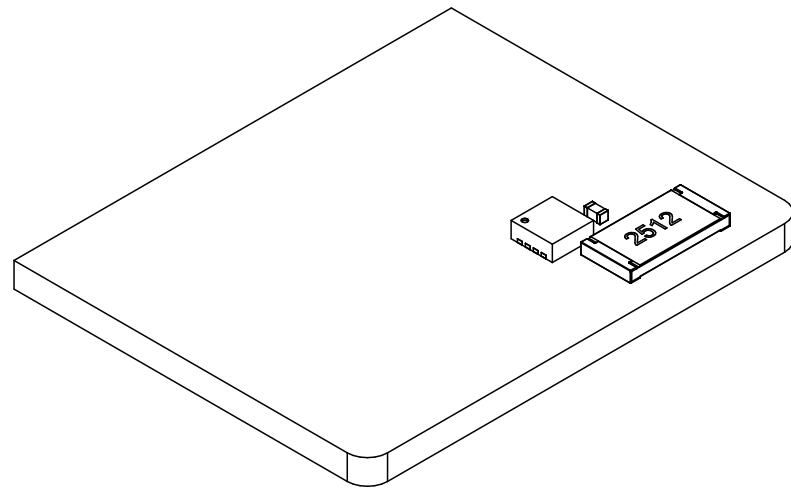
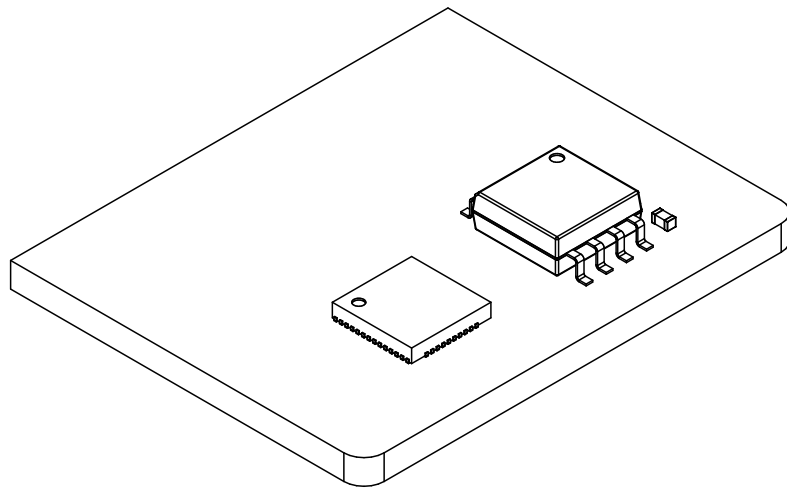


ESP32_CPA_cartridge (2.0)

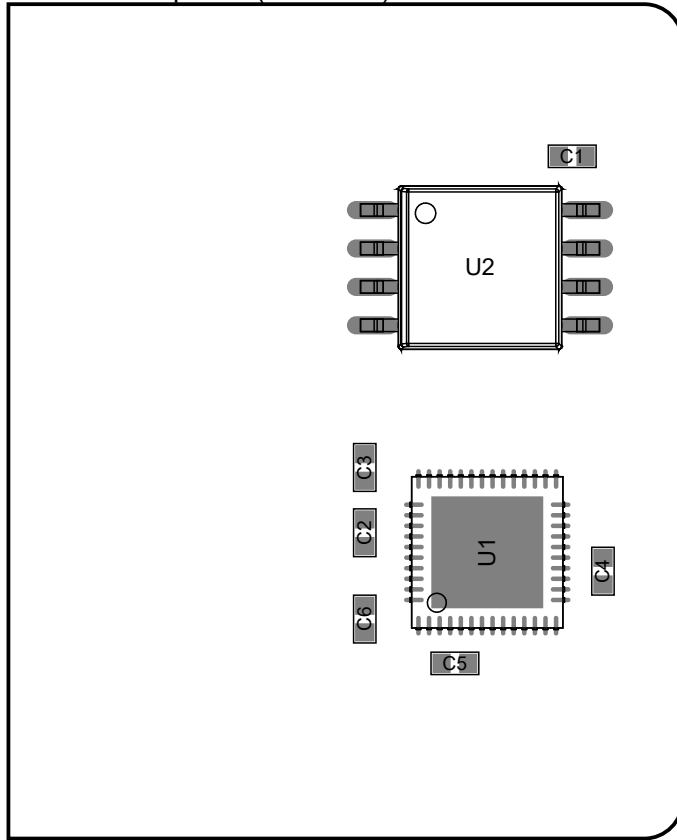


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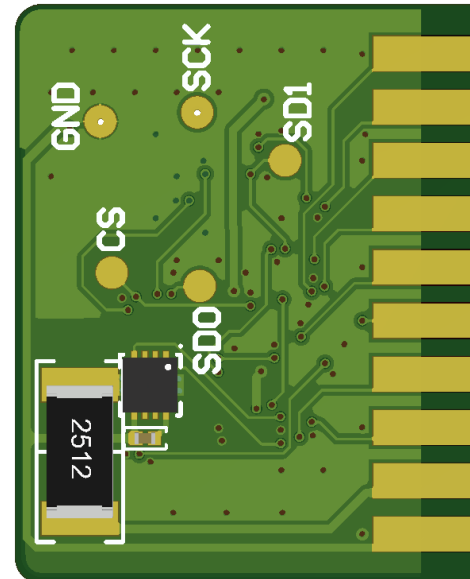
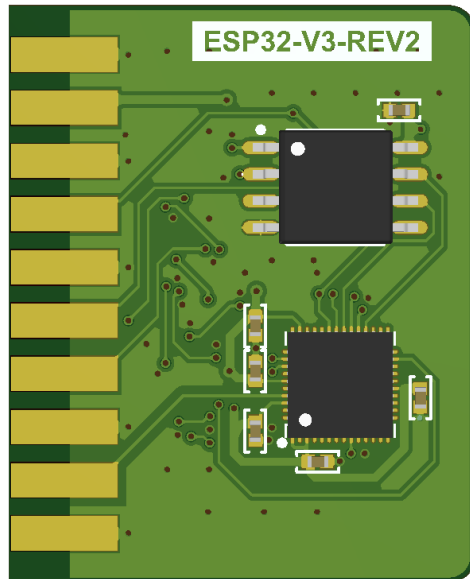
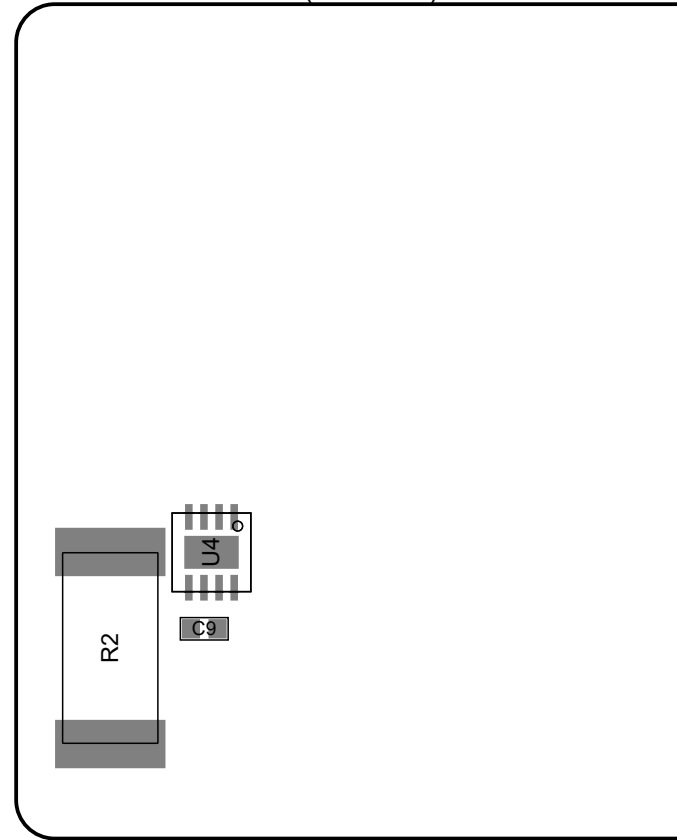
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View from Top side (Scale 4:1)



View from Bottom side (Scale 4:1)



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Bill Of Materials

Line #	Designator	Quantity	Footprint	Tolerance	Value	Manufacturer	Material	Part Name
1	C1, C9	2	C0402	±10%	100nF	Samsung Electro-Mechanics	X7R	C1525
2	R2	1	R2512	5%	30	FOJAN		FRC2512J300 TS
3	U1	1	QFN-48-5x5mm			Espressif		ESP32-D0WD-V3
4	U2	1	SOIC127P790X216-8N			Winbond		W25Q32JVSSIQS
5	U4	1	SON50P250X100_HS-9N			Sensirion		STS35-DIS

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
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Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.020mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.035mm		Signal	GTL
Prepreg		0.099mm	PP-006	Dielectric	
CF-004	Layer 1	0.015mm		Internal Plane	GP1
		1.265mm	FR-4	Dielectric	
CF-004	Layer 2	0.015mm		Internal Plane	GP2
Prepreg		0.099mm	PP-006	Dielectric	
Copper	Bottom Layer	0.035mm		Signal	GBL
Surface Material	Bottom Solder	0.020mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.604mm

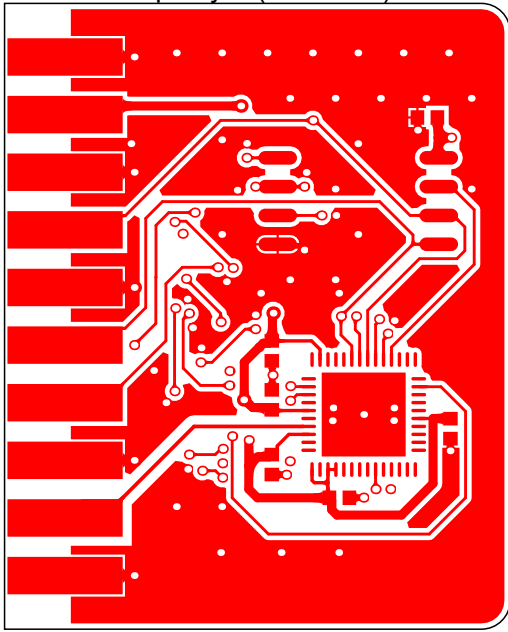
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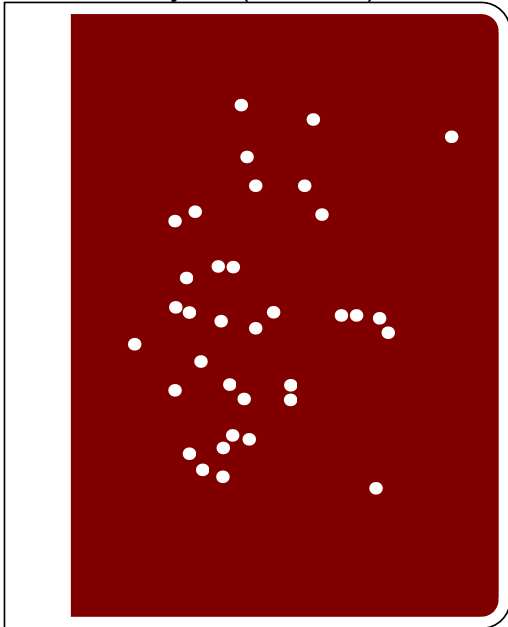
Top Layer (Scale 3:1)



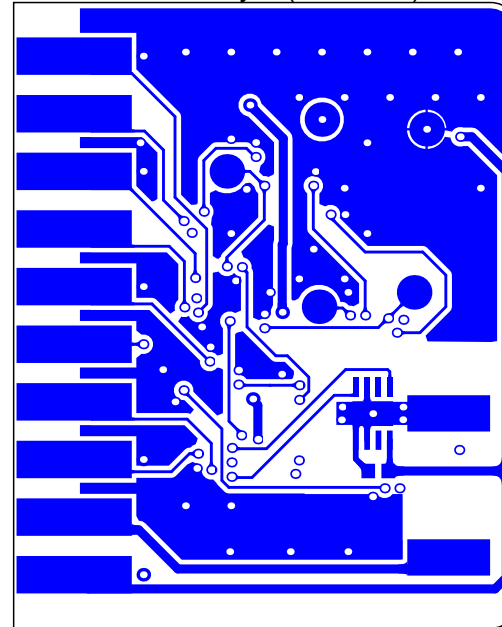
Layer 1 (Scale 3:1)



Layer 2 (Scale 3:1)



Bottom Layer (Scale 3:1)



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