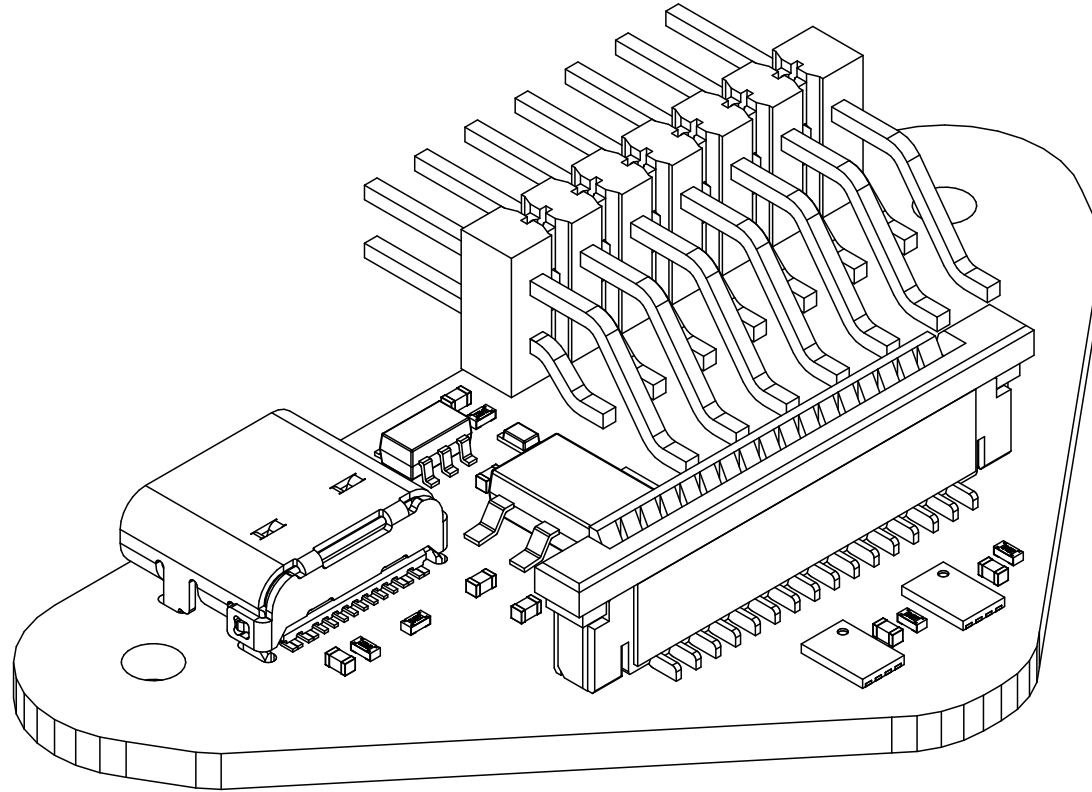




# RP2350-Backside-IO (2.0)

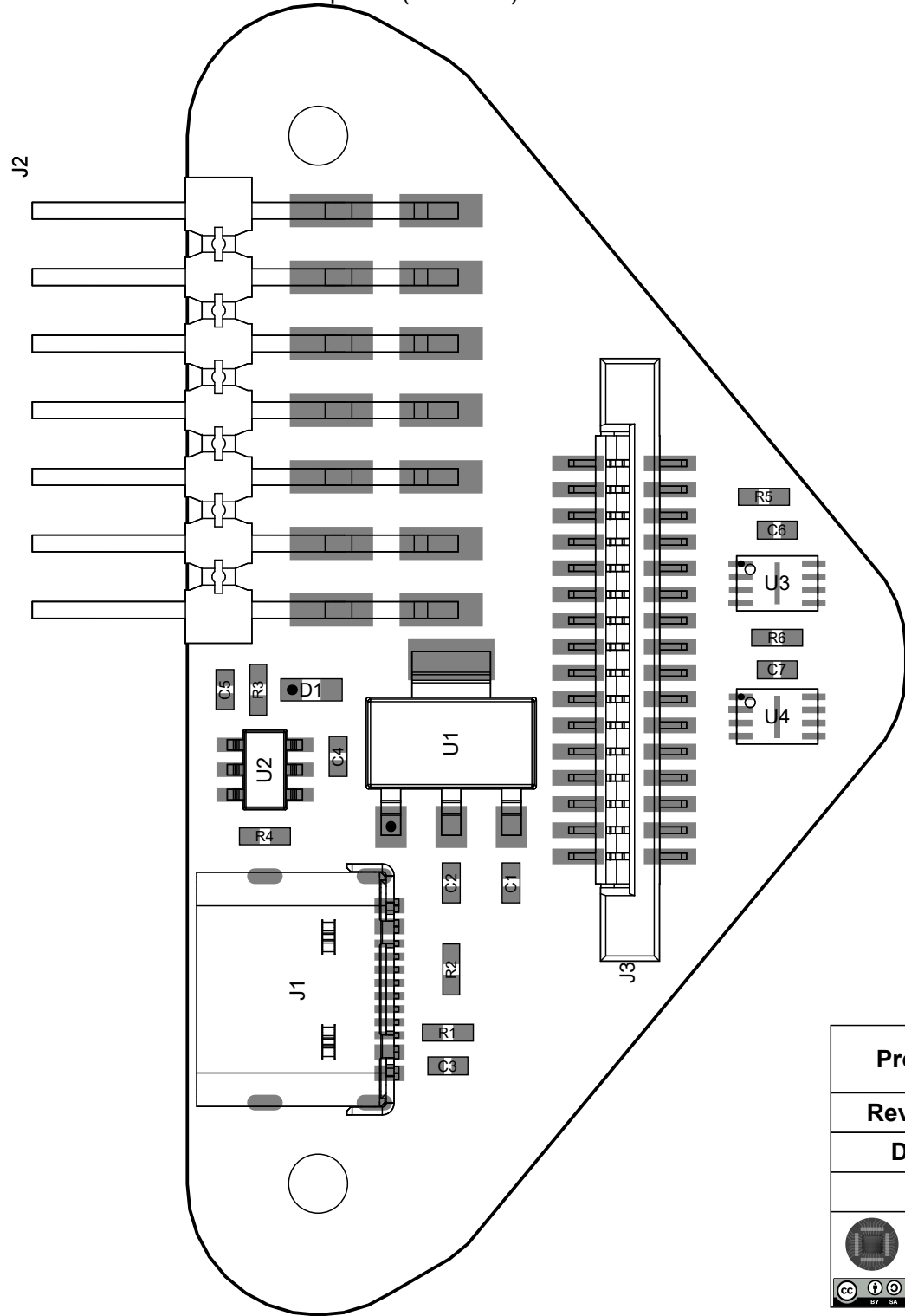
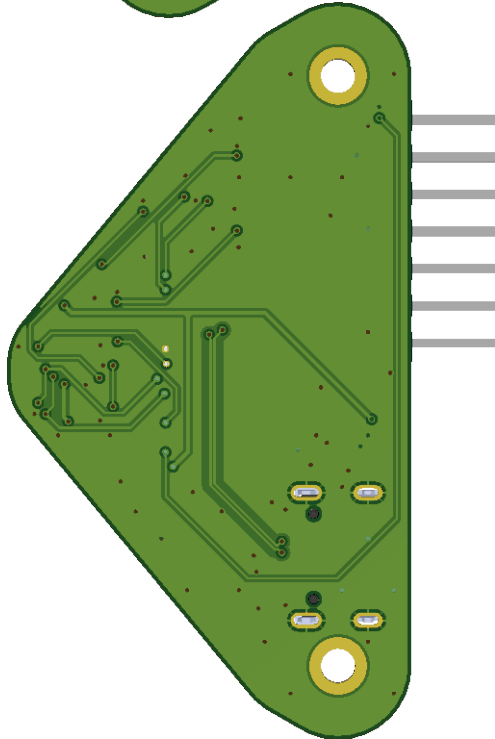
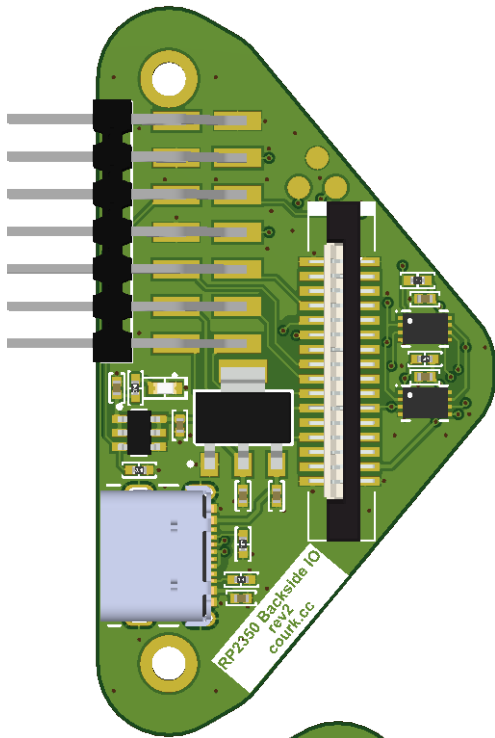


<b>Project</b>	RP2350-Backside-IO
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View from Top side (Scale 4:1)



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Bill Of Materials

Line #	Designator	Quantity	Footprint	Tolerance	Value	Manufacturer	Material	Part Name
1	C1, C2, C3, C4, C5, C6, C7	7	C0402	±10%	100nF	Samsung Electro-Mechanics	X7R	C1525
2	D1	1	LED0603			Hubei KENTO Elec		KT-0603R
3	J1	1	USB4105-GF-A			GCT		USB4105-GF-A
4	J2	1	TSM-107-01-T-DH			Samtec		TSM-107-01-T-DH
5	J3	1	FFC3A20-16-T			GCT		FFC3A20-16-T
6	R1, R2	2	R0402	±1%	5.1KΩ	Uniroyal Elec		C25905
7	R3	1	R0402	±1%	1KΩ	Uniroyal Elec		C11702
8	R4, R5, R6	3	R0402	±1%	10KΩ	Uniroyal Elec		C25744
9	U1	1	SOT-223			Advanced Monolithic Systems		AMS1117-3.3
10	U2	1	SOT-23-6			Vishay		SIP32509DT-T1-GE3
11	U3, U4	2	SON50P300X40_HS-9 N			Winbond		W25Q32RVXHJQ

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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	0.013mm	Solder Resist	Solder Mask	GTS
<b>Copper</b>	<b>Top Layer</b>	<b>0.035mm</b>		<b>Signal</b>	<b>GTL</b>
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	
<b>Copper</b>	<b>Bottom Layer</b>	<b>0.035mm</b>		<b>Signal</b>	<b>GBL</b>
Surface Material	Bottom Solder	0.013mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.590mm

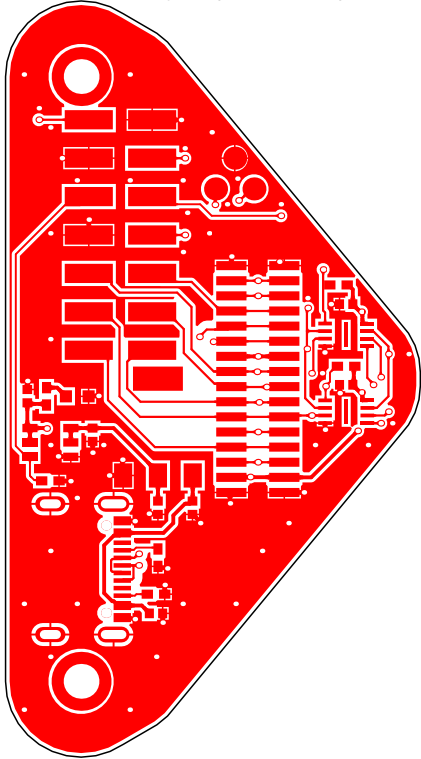
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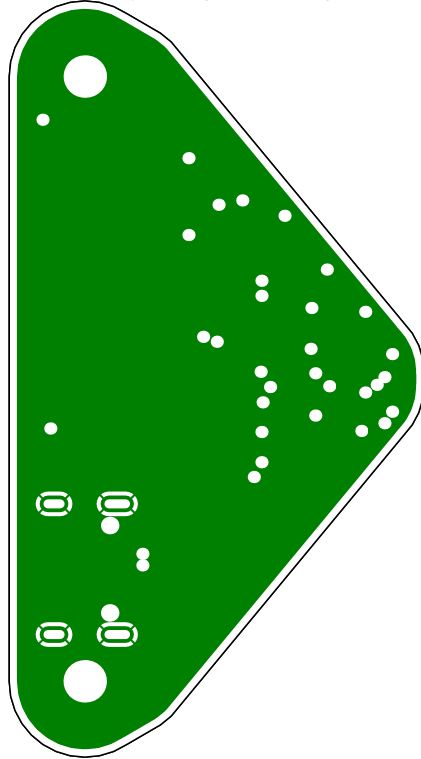
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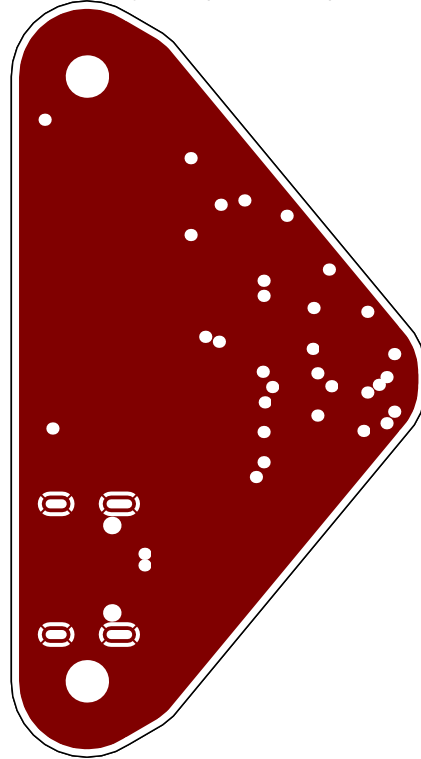
Top Layer (Scale 2:1)



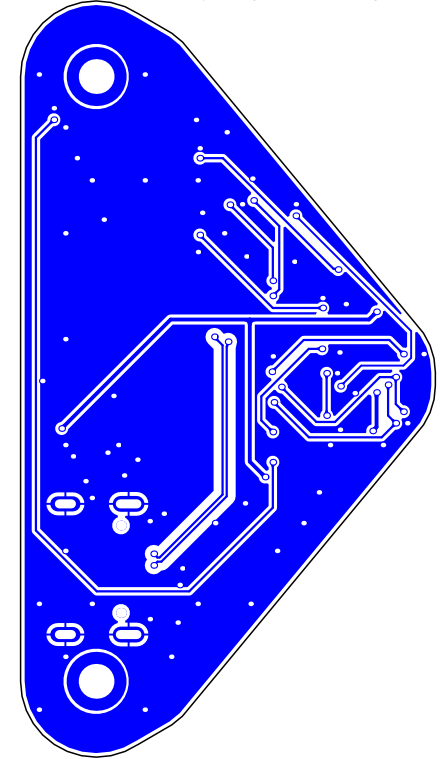
Layer 1 (Scale 2:1)



Layer 2 (Scale 2:1)



Bottom Layer (Scale 2:1)



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