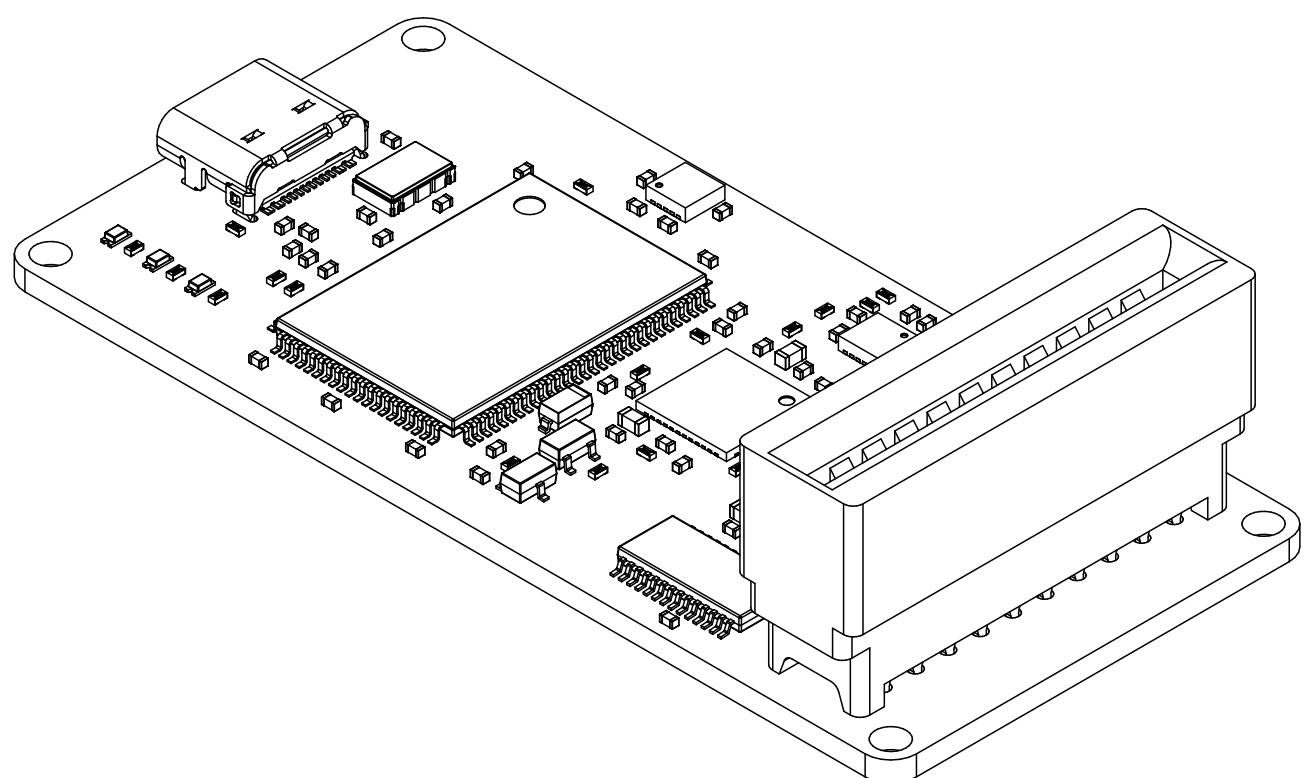
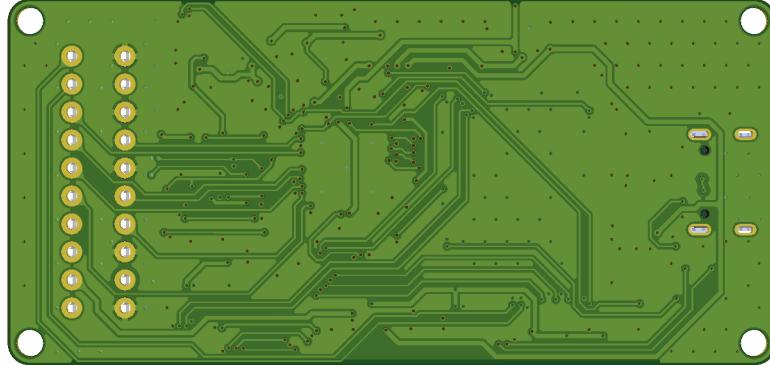
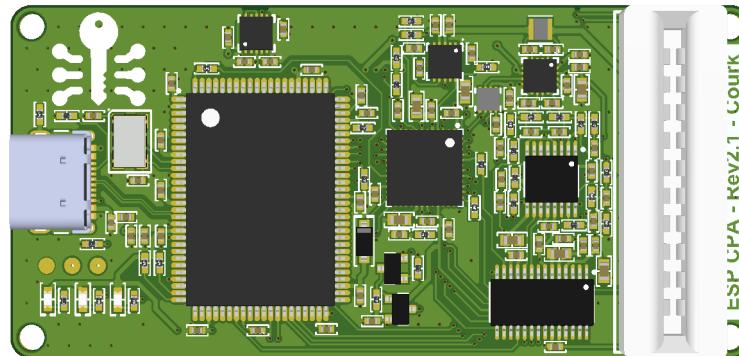
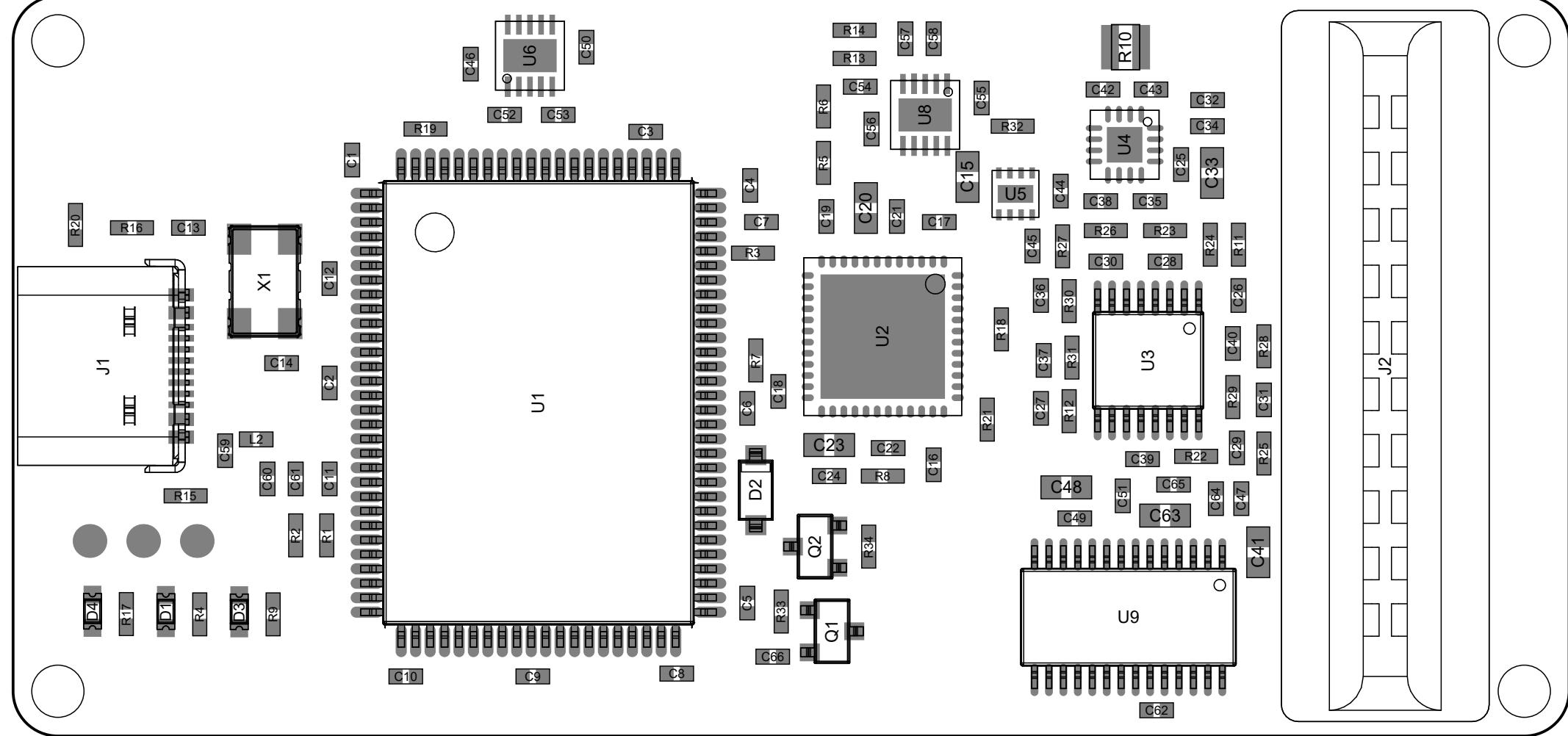


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View from Top side (Scale 4:1)



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Bill Of Materials

Line #	Designator	Quantity	Footprint	Tolerance	Value	Manufacturer	Material	Part Name
1 1	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C16, C17, C18, C19, C21, C22, C24, C32, C34, C39, C40, C44, C46, C47, C49, C51, C55, C60, C62, C64, C65	33	C0402	±10%	100nF	Samsung Electro-Mechanics	X7R	C1525
2	C13, C14, C54	3	C0402	±5%	15pF	Guangdong Fenghua Advanced Tech	C0G	C1548
3	C15, C20, C23, C33, C41, C48, C63	7	C0603	±10%	10uF	Samsung Electro-Mechanics	X5R	C19702
4	C25	1	C0402	±10%	4.7nF	Guangdong Fenghua Advanced Tech	X7R	C1538
5	C26, C27, C35, C36, C37, C38	6	C0402	±0.25pF	6.8pF	Guangdong Fenghua Advanced Tech	C0G	C1576
6	C28, C29, C30, C31	4	C0402	±5%	27pF	Guangdong Fenghua Advanced Tech	C0G	C1557
7	C42, C43	2	C0402	±10%	3.3nF	Samsung Electro-Mechanics	X7R	C26404
8	C45, C52, C53, C57, C58	5	C0402	±20%	2.2uF	Samsung Electro-Mechanics	X5R	C159814
9	C50, C56, C59	3	C0402	±10%	10nF	Samsung Electro-Mechanics	X7R	C15195
10	C61, C66	2	C0402	±20%	4.7uF	Samsung Electro-Mechanics	X5R	C23733
11	D1, D3, D4	3	LED0603			Hubei KENTO Elec		KT-0603R
12	D2	1	SOD-123			Semtech		1N4148W
13	J1	1	USB4105-GF-A			GCT		USB4105-GF-A
14	J2	1	5-5530843-0			TE Connectivity		5-5530843-0
15	L2	1	C0402			Murata Electronics		BLM15PX330SN1D
16	Q1	1	SOT-23-3			Diodes Incorporated		ZXMP3A13FTA
17	Q2	1	SOT-23-3			Fairchild		BSS138L
18	R1, R2, R3, R5, R6, R7, R32, R33, R34	9	R0402	±1%	10KΩ	Uniroyal Elec		C25744
19	R4, R9, R17	3	R0402	±1%	1KΩ	Uniroyal Elec		C11702
20	R8	1	R0402	±1%	100Ω	Uniroyal Elec		C25076
21	R10	1	ERJB3	1%	3	Panasonic		ERJ-B3BF3R0V
22	R11, R12, R22, R23, R26, R29, R30, R31	8	R0402	±1%	3.3KΩ	Uniroyal Elec		C25890

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Bill Of Materials

Line #	Designator	Quantity	Footprint	Tolerance	Value	Manufacturer	Material	Part Name
23	R13	1	R0402	±1%	49.9KΩ	Uniroyal Elec		C25897
24	R14	1	R0402	±1%	30.1KΩ	Uniroyal Elec		C29402
25	R15, R16	2	R0402	±1%	5.1KΩ	Uniroyal Elec		C25905
26	R18, R19, R21	3	R0402	±1%	24Ω	Uniroyal Elec		C270625
27	R24, R25, R27, R28	4	R0402	±1%	1.6KΩ	Uniroyal Elec		C4908
28	U1	1	TQFP65P1600X2200X 145-100N			Cypress		CY7C68013A-100AXC
29	U2	1	ST UFQFPN-48 7x7MM			Lattice Semiconductor		ICE5LP1K-SG48ITR
30	U3	1	TSSOP-16			Texas Instruments		THS4532IPW
31	U4	1	QFN50P300X300X80_ HS-17L			Analog Devices		AD8338
32	U5	1	SON50P200X80_HS-9 N			Texas Instruments		DAC53701DSGR
33	U6, U8	2	SON50P300X100_HS- 11N			Texas Instruments		TPS71334DRCR
34	U9	1	TSSOP-28			Analog Devices		AD9235BRUZRL7-40
35	X1	1	CRYSTAL_532			Abracan		FQ5032BR-24.000

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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: 1.605mm					

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A

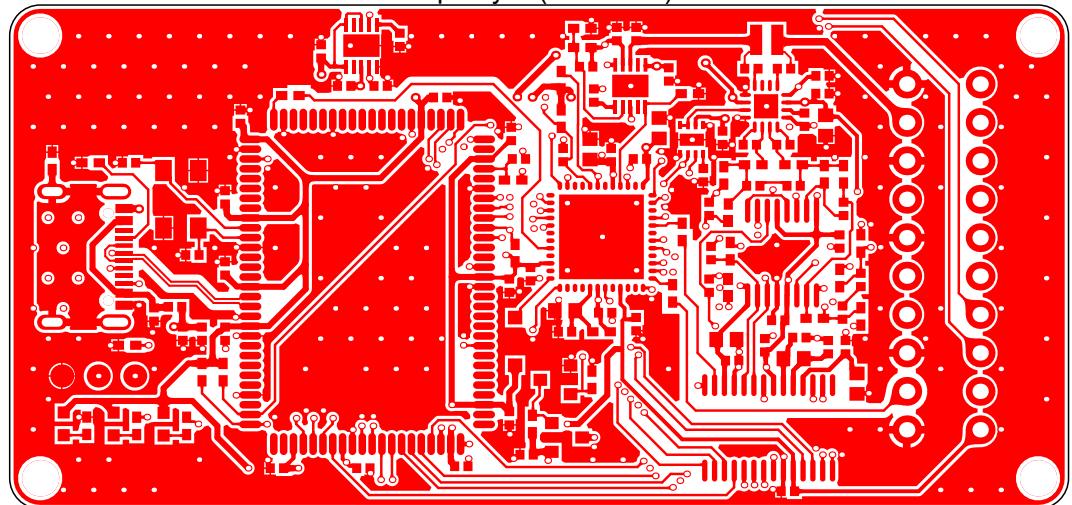
B

C

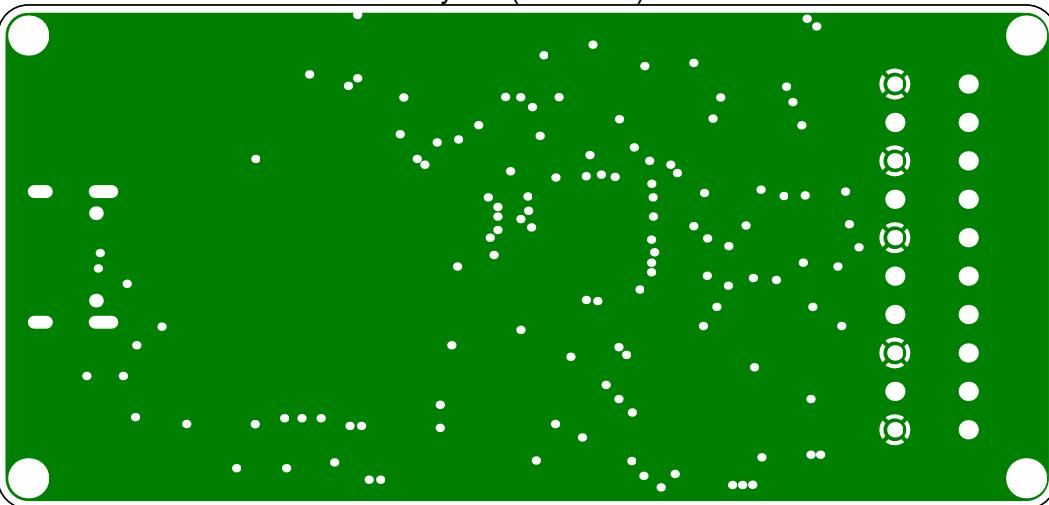
D

E

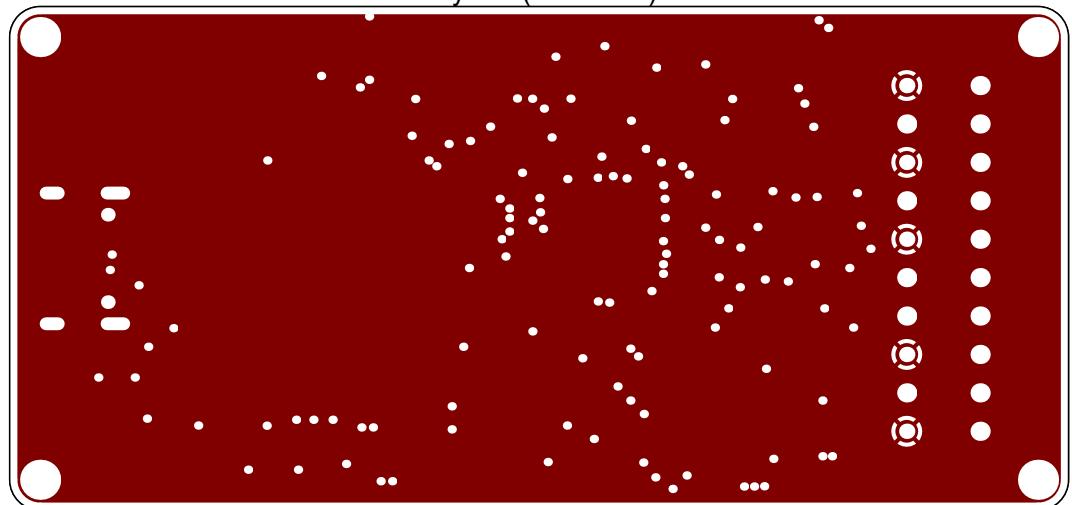
Top Layer (Scale 2:1)



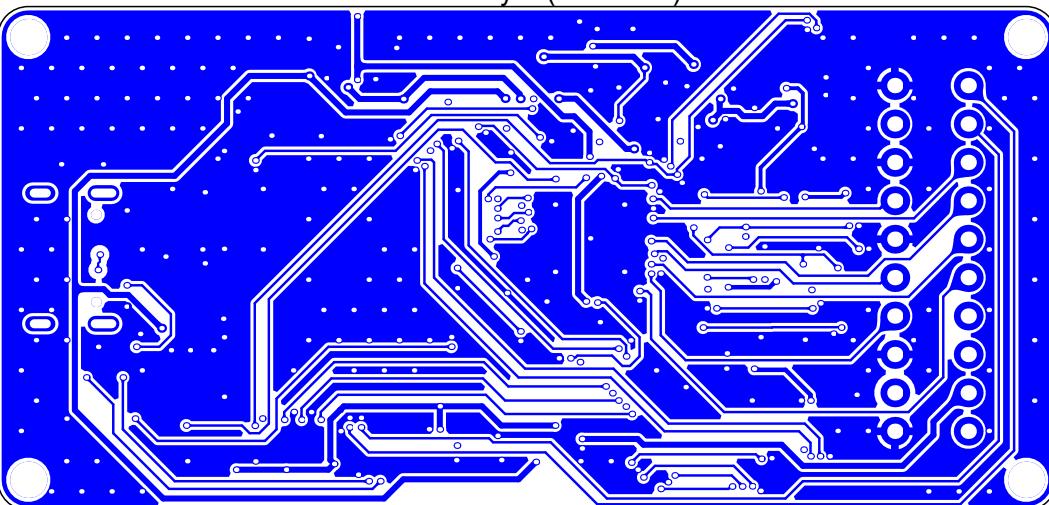
Layer 1 (Scale 2:1)



Layer 2 (Scale 2:1)



Bottom Layer (Scale 2:1)



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