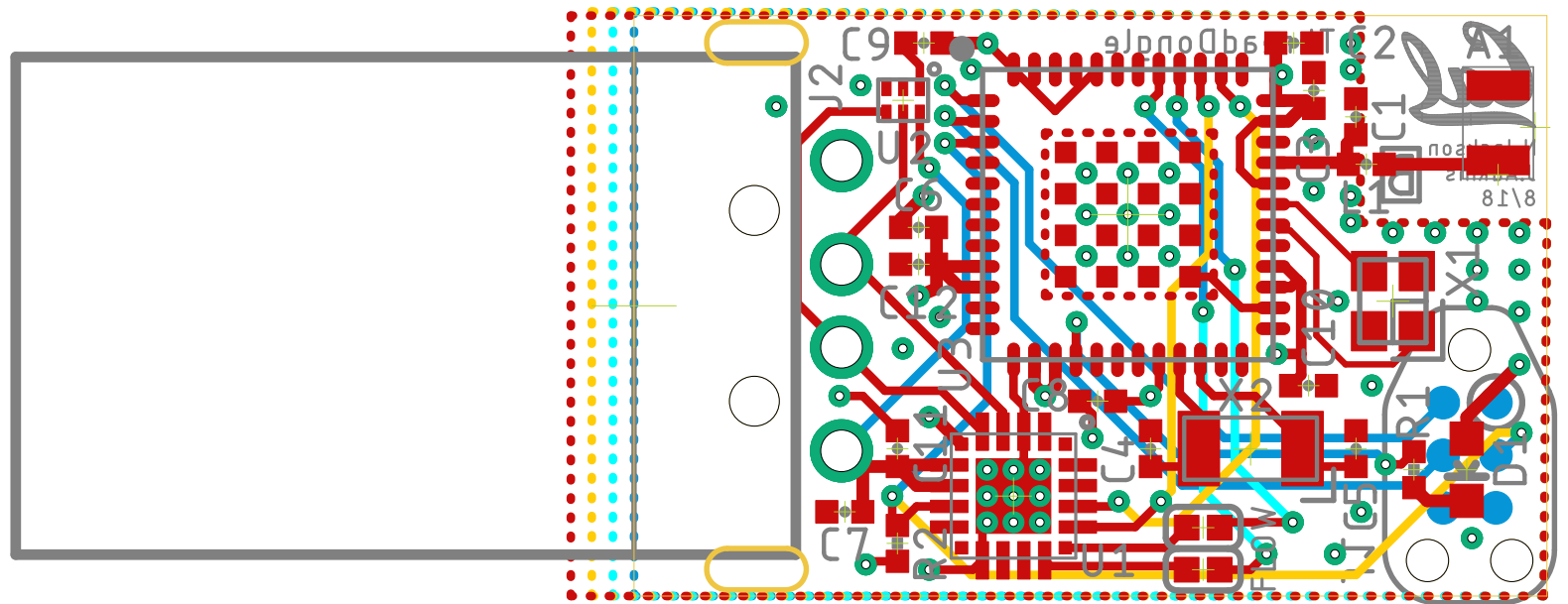
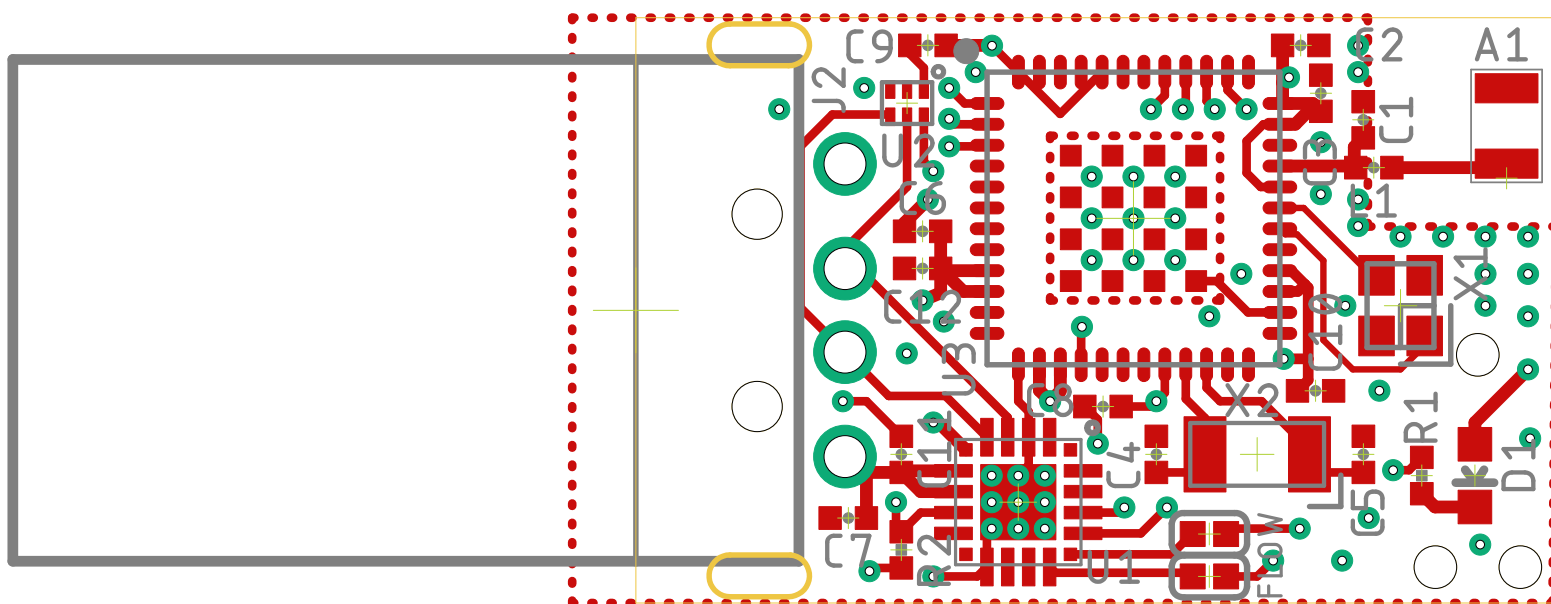
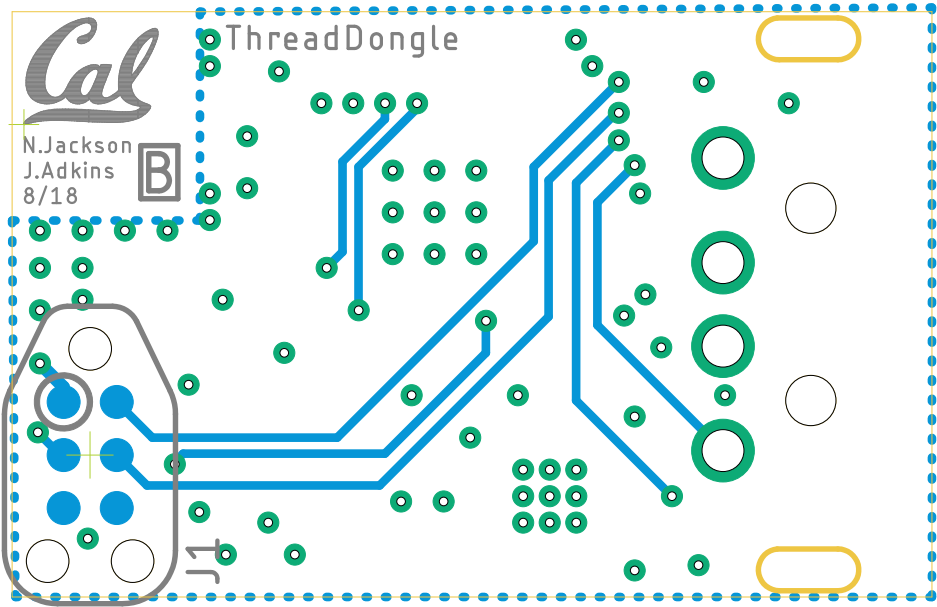


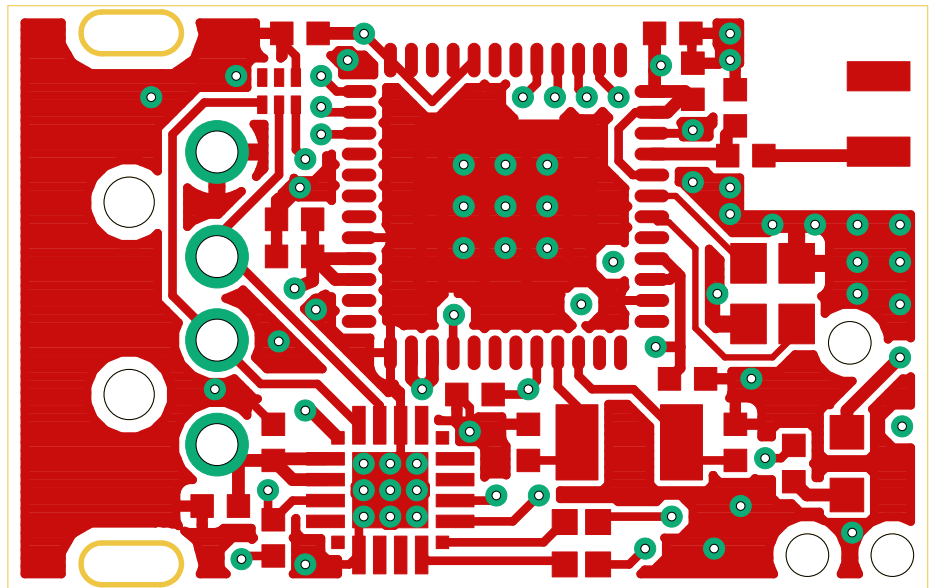
Top and Bottom Layers

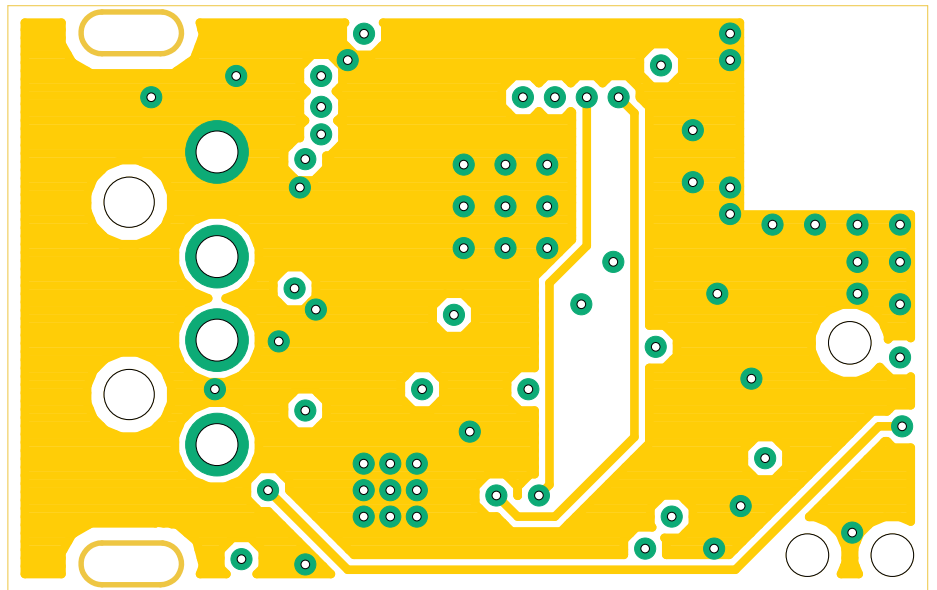


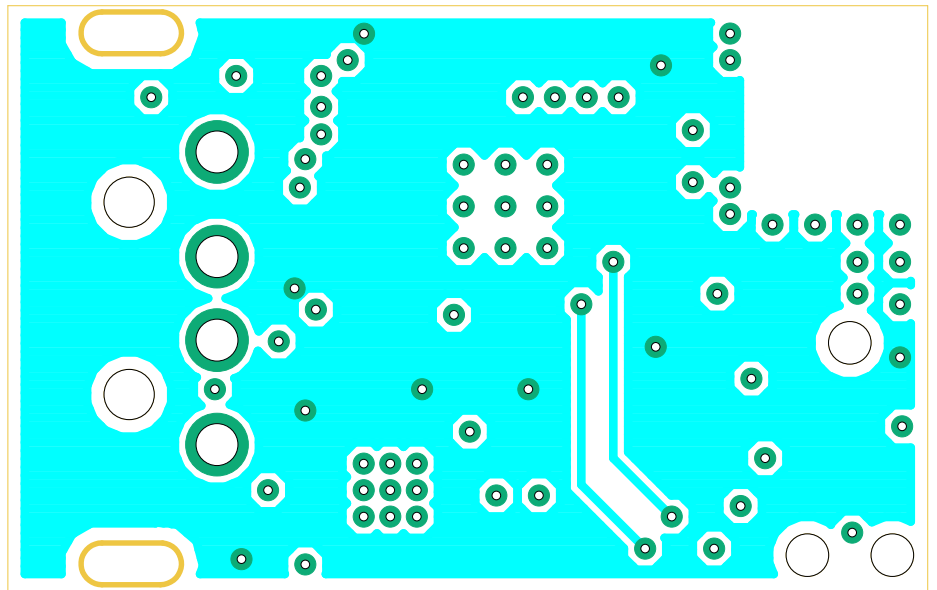




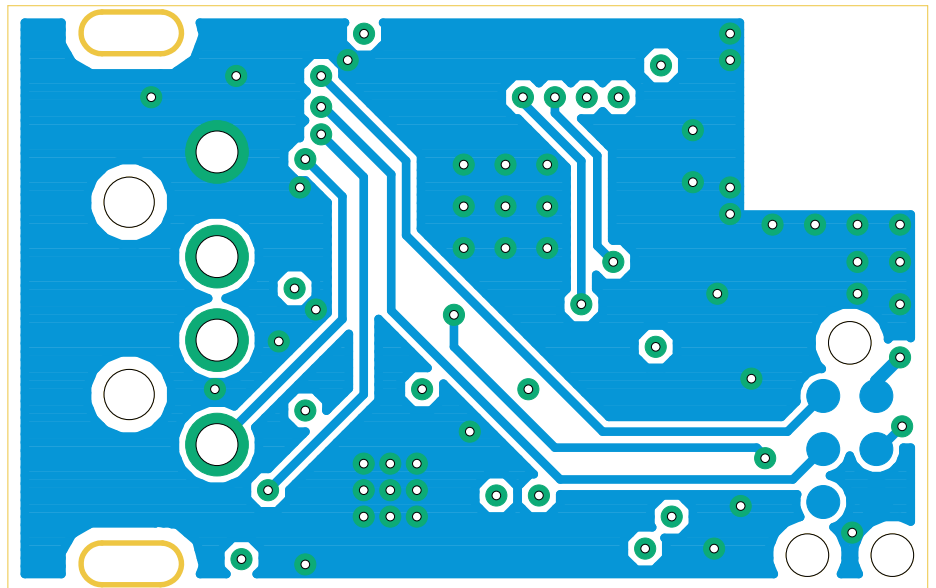
Top Copper Layer

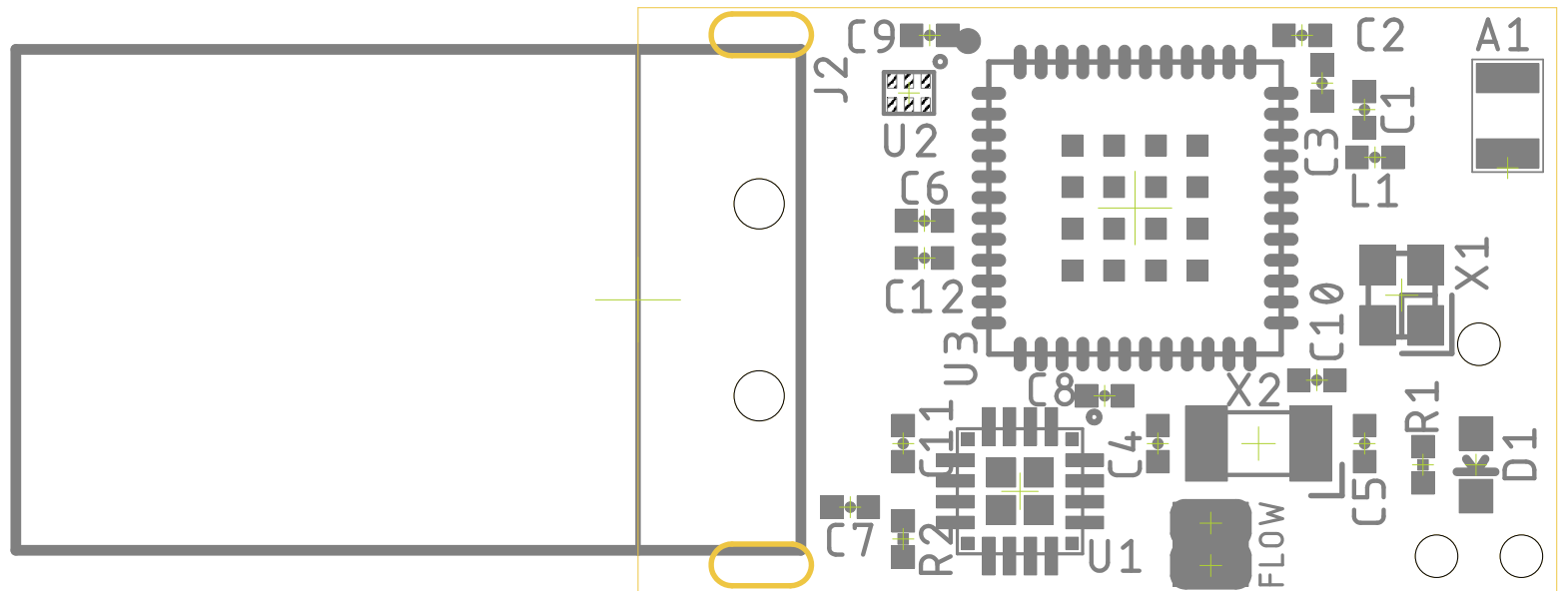


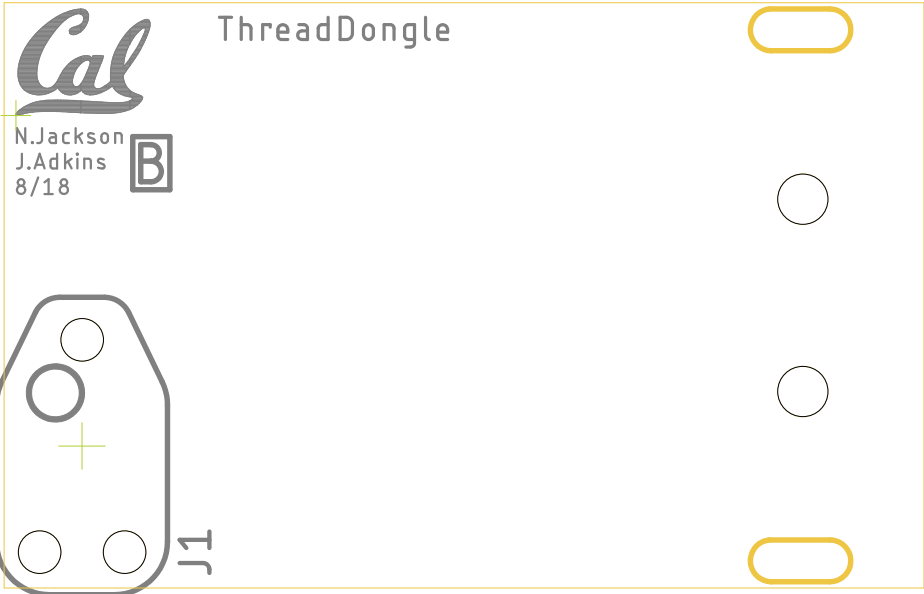




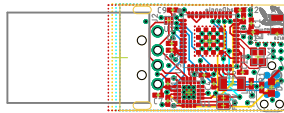
Bottom Copper Layer



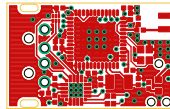




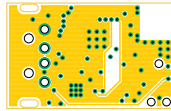
Top and Bottom Layers 1:1 Scale



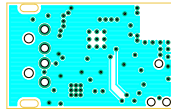
Top Layer 1:1 Scale



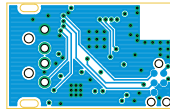
Layer 2 Copper 1:1 Scale



Layer 3 Copper 1:1 Scale



Bottom Copper Layer 1:1 Scale



Qty	Value	Device	Package	Parts	Description	DIGIKEY	MANUFACTURER	MPN	Notes
1		AH212M	AH212M	A1	Small 2.4Ghz chip antenna	587-2725-1-ND		AH212M245001-T	
1		INDUCTOR0402	0402_CAP	L1	A very specific inductor	490-6573-1-ND		LQG15HS5N1S02D	
5	0.1uF	CAPACITOR0402_CAP	0402_CAP	C6, C7, C8, C9, C10	SMD Capacitor	587-1227-1-ND		LMK105BJ104KV-F	Substitute OK
1	0.7pF	CAPACITOR0402_CAP	0402_CAP	C1	SMD Capacitor	490-6267-1-ND		GRM1555C1HR70BA01D	Substitute OK
1	1.0uF	CAPACITOR0402_CAP	0402_CAP	C11	SMD Capacitor	490-10018-1-ND		GRM155R61E105MA12D	Substitute OK
1	10k	RESISTOR0402_RES	0402_RES	R2	Resistor	311-10KJRCT-ND		RC0402JR-0710KL	Substitute OK
4	12pF	CAPACITOR0402_CAP	0402_CAP	C2, C3, C4, C5	SMD Capacitor	490-5924-1-ND		GRM1555C1H120JA01D	Substitute OK
1	1k	RESISTOR0402_RES	0402_RES	R1	Resistor	311-1.0KJRCT-ND		RC0402JR-071KL	Substitute OK
1	4.7uF	CAPACITOR0402_CAP	0402_CAP	C12	SMD Capacitor	490-5915-1-ND		GRM155R60J475ME47D	Substitute OK
1	CP2102N-20	CP2102N-20	QFN-20-3MM	U1	A cheap, simple USB to UART adapter	336-3692-ND	SiLabs	CP2102N-A01-GQFN20	
1	ESDR0502N	ESDR0502N	UDFN-6	U2		ESDR0502NMUTBGOSCT-ND		ESDR0502NMUTBG	
1	FA-128	FA-128	FA-128	X1	Epson MHz RANGE CRYSTAL UNIT	SER4079CT-ND		FA-128 32.0000MF20X-K5	
1	FA-135	FA-135	FC-135	X2	Epson kHz RANGE CRYSTAL UNIT	SER4086CT-ND		FC-135 32.7680KA-AG3	
1	KW41Z	KW41Z	LAMINATE-QFN-48-7MM	U3	NXP KW21Z Cortex M0+ 802.15.4	MKW41Z512VHT4-ND		MKW41Z512VHT4	
1	LED0603	LED0603	LED-0603	D1	LED	160-1837-6-ND		LTST-C194TBKT	
1	USB-A-MALE-PLUG	USB-A-MALE-PLUG	USB_A_MALE_PLUG_CUI_UP2-AH	J2	USB A Male plug connector	102-3996-ND	CUI	UP2-AH-1-TH	