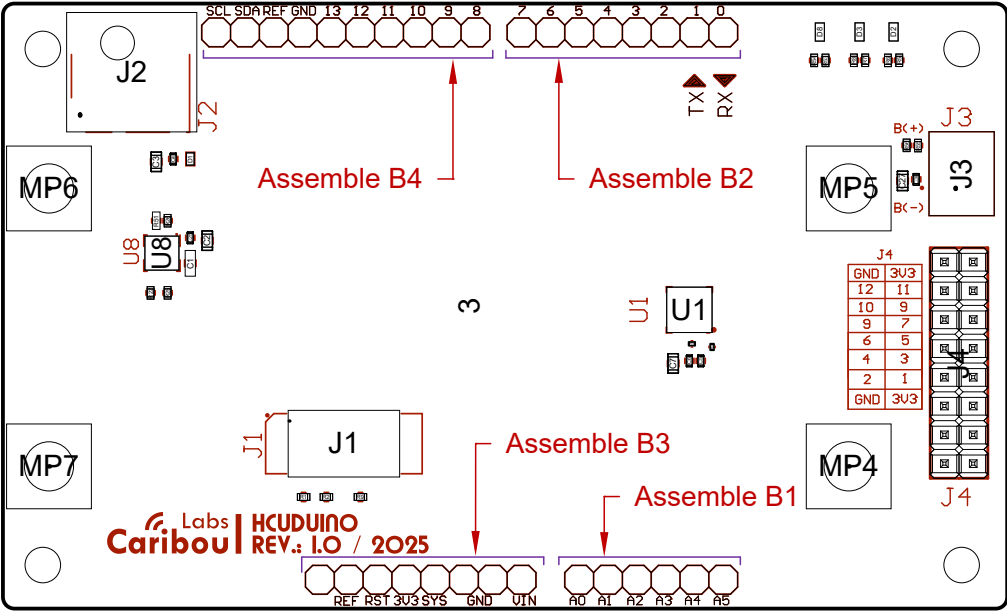


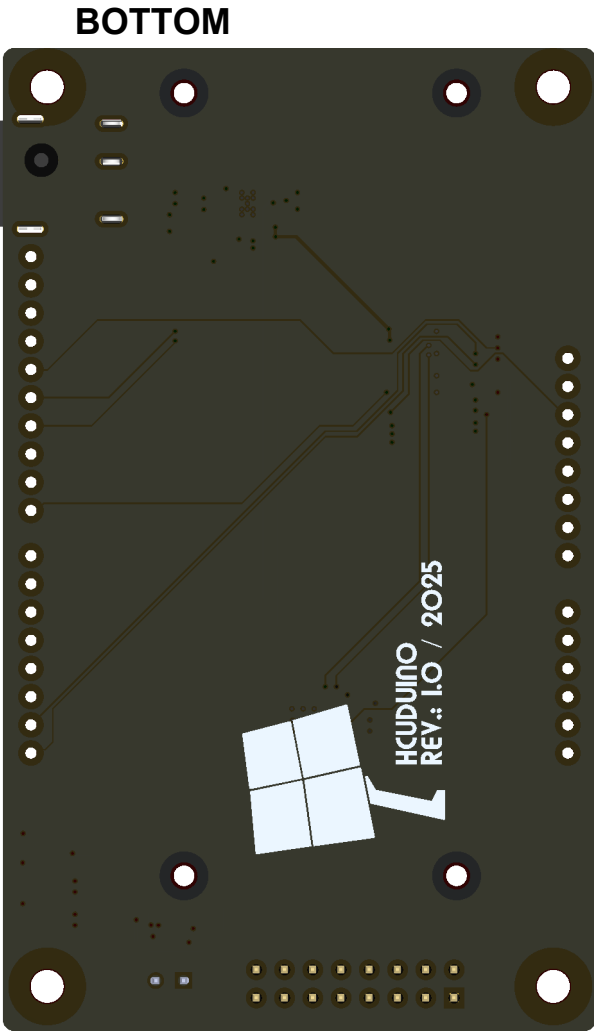
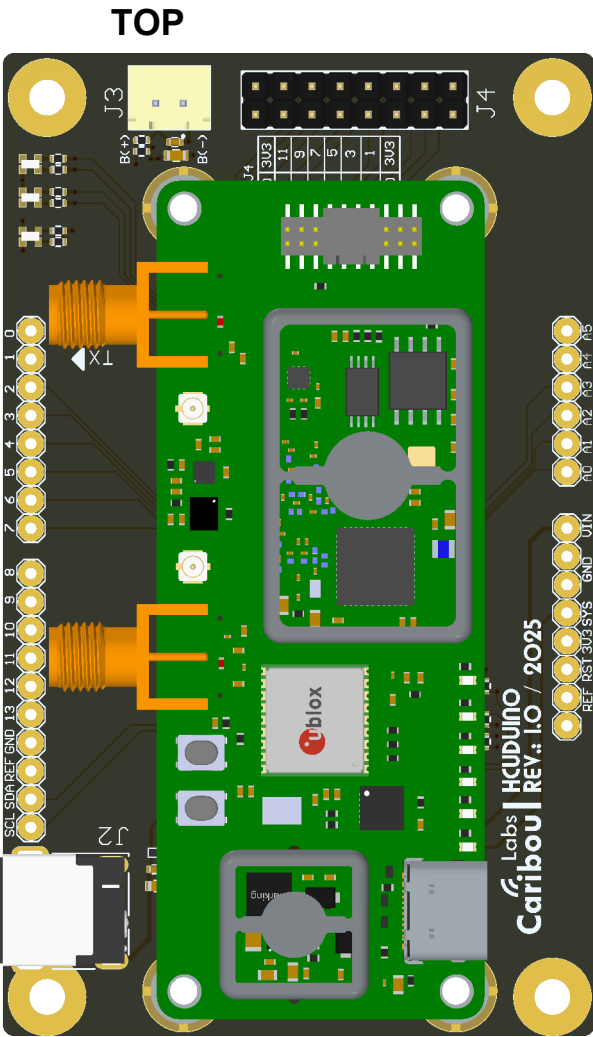
ASSEMBLY DRAWING (TOP)

Top Side Assembly Drawing (Scale 1.5:1)



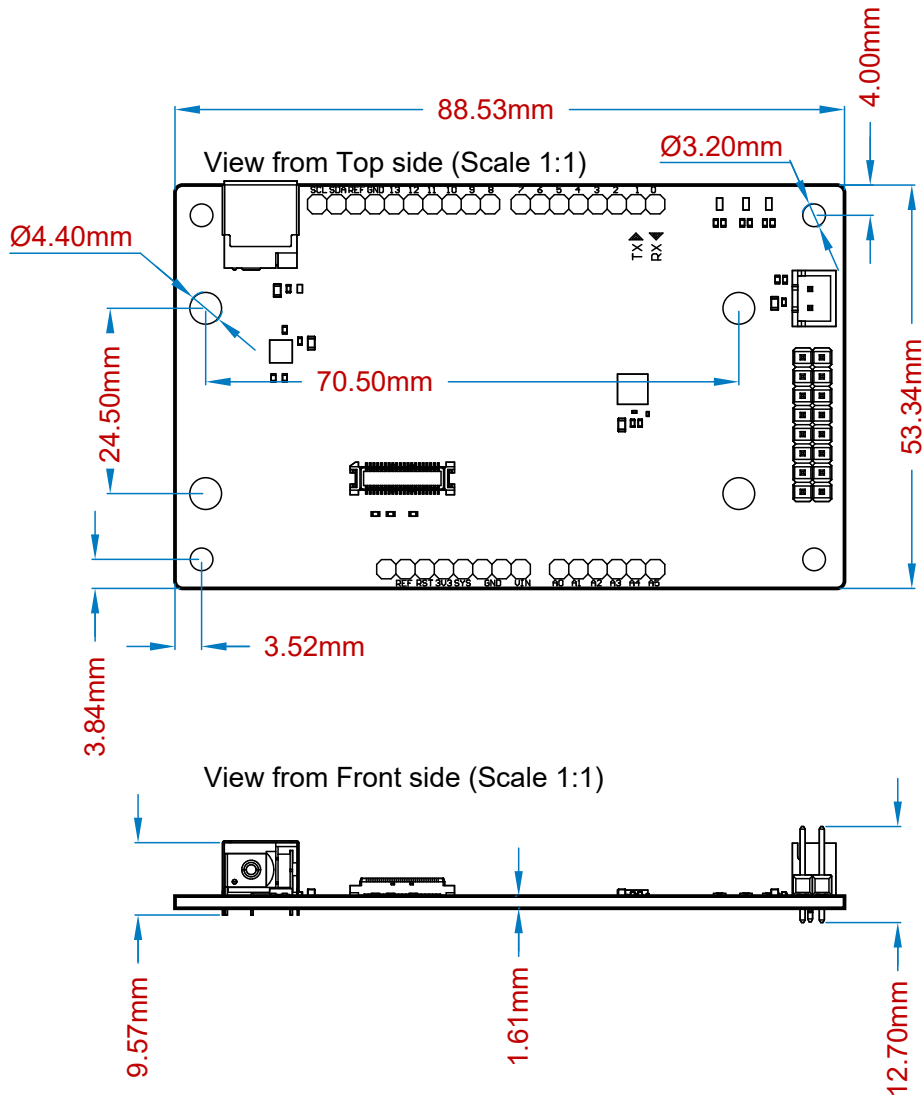
<div><div></div><div>Labs</div><div>Caribou</div></div>				TITLE ASSY	
				PRODUCT HCU-DUINO	
	ID/SIG.			DATE	
DESIGNED	DM			5/16/2025	
CHECKED	DM			5/16/2025	
Q.A.	DM			5/16/2025	
CLASS 3	SIZE A4	DRAW No. DN00101	SHEET 1	OF 2	REV 1.0

BOARD REALISTIC VIEW



<div>Caribou Labs</div>		TITLE ASSY	
		PRODUCT HCU-DUINO	
	ID/SIG.		DATE
DESIGNED	DM		5/16/2025
CHECKED	DM		5/16/2025
Q.A.	DM		5/16/2025
CLASS 3	SIZE A4	DRAW No. DN00101	SHEET 2 OF 2
		REV 1.0	

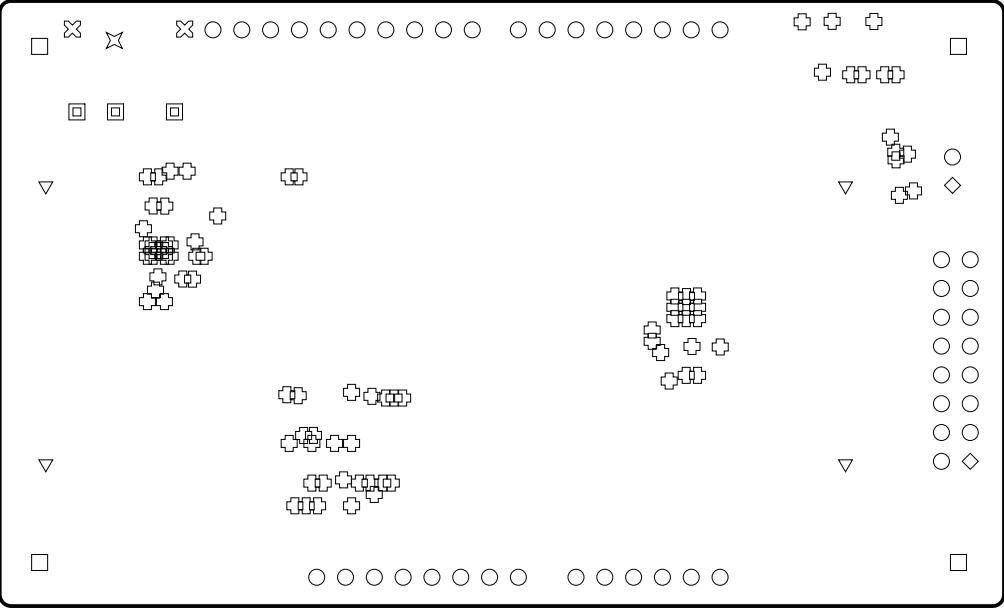
MECHANICAL VIEW



<div>Caribou Labs</div>				TITLE MECH	
				PRODUCT HCU-DUINO	
	ID/SIG.			DATE	
DESIGNED	DM			5/16/2025	
CHECKED	DM			5/16/2025	
Q.A.	DM			5/16/2025	
CLASS 3	SIZE A4	DRAW No. DN00102	SHEET 1	OF 1	REV 1.0

PRODUCTION VIEW

Drill Drawing View (Scale 3:2)



Drill Table


Symbol	Count	Hole Size	Hole Type	Drill Layer Pair	Via / Pad	Hole Tolerance
⊕	86	0.25mm	Round	Top Layer - Bottom Layer	Via	
⊞	3	0.80mm	Slot	Top Layer - Bottom Layer	Pad	
⊗	2	0.80mm	Slot	Top Layer - Bottom Layer	Pad	
○	48	1.00mm	Round	Top Layer - Bottom Layer	Pad	
◇	2	1.00mm	Round	Top Layer - Bottom Layer	Pad	
⊗	1	3.05mm	Round	Top Layer - Bottom Layer	Pad	
□	4	3.20mm	Round	Top Layer - Bottom Layer	Pad	
▽	4	4.40mm	Round	Top Layer - Bottom Layer	Pad	
	150 Total					

<div><div></div><div>Labs</div><div>Caribou</div></div>				TITLE PROD	
				PRODUCT HCU-DUINO	
	ID/SIG.			DATE	
DESIGNED	DM			5/16/2025	
CHECKED	DM			5/16/2025	
Q.A.	DM			5/16/2025	
CLASS 3	SIZE A4	DRAW No. DN00104	SHEET 1	OF 2	REV 1.0

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.03mm	SM-001	Solder Mask	GTS
PbSn	Top Surface Finish	0.02mm		Surface Finish	
CF-004	Top Layer	0.04mm		Signal	GTL
Prepreg		0.13mm	PP-017	Dielectric	
Prepreg		0.13mm	PP-017	Dielectric	
CF-004	Int1 (GND)	0.04mm		Signal	G1
Core		0.90mm	Core-039	Dielectric	
CF-004	Int2 (PWR)	0.04mm		Signal	G2
Prepreg		0.13mm	PP-017	Dielectric	
Prepreg		0.13mm	PP-017	Dielectric	
CF-004	Bottom Layer	0.04mm		Signal	GBL
PbSn	Bottom Surface Finish	0.02mm		Surface Finish	
Surface Material	Bottom Solder	0.03mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.65mm

		TITLE PROD	
		PRODUCT HCU-DUINO	
	ID/SIG.		DATE
DESIGNED	DM		5/16/2025
CHECKED	DM		5/16/2025
Q.A.	DM		5/16/2025
CLASS 3	SIZE A4	DRAW No. DN00104	SHEET 2 OF 2 REV 1.0