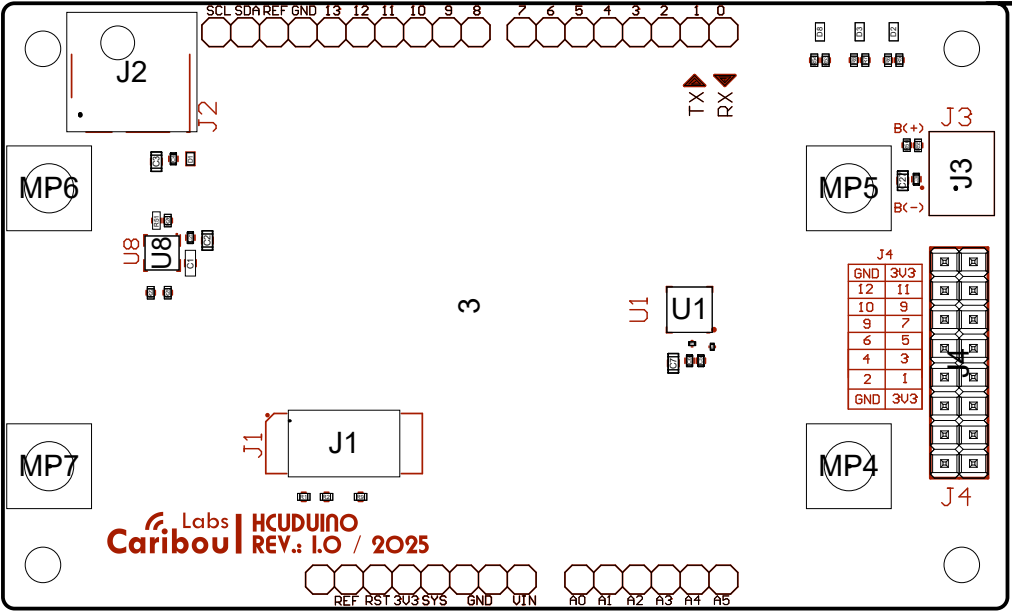


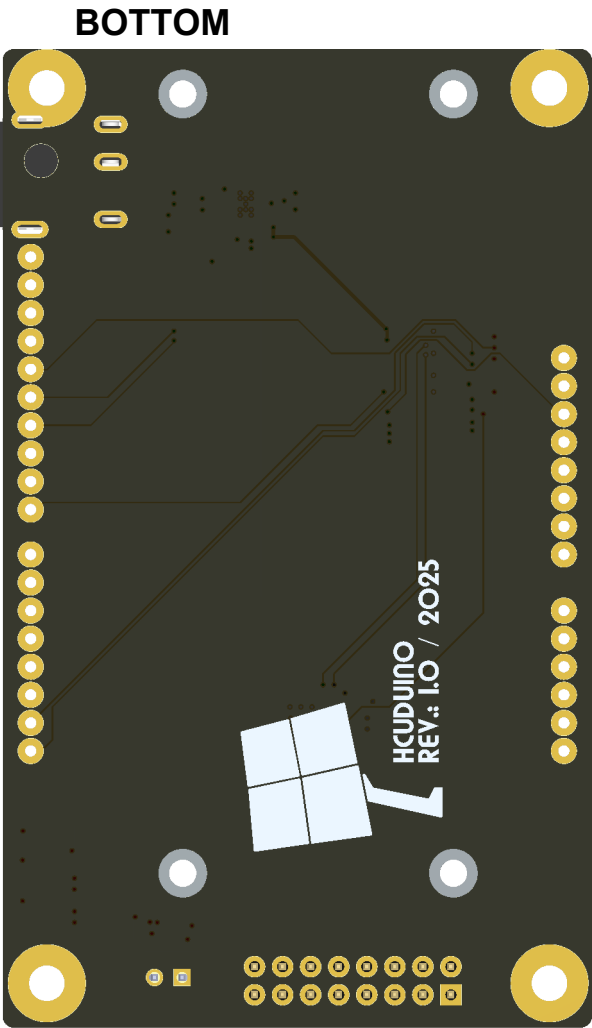
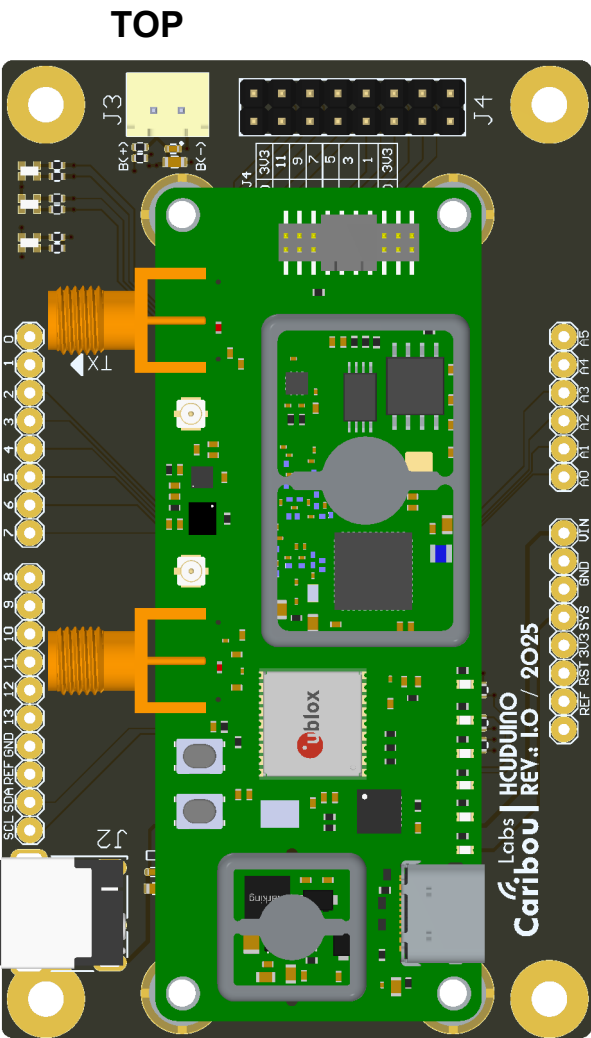
ASSEMBLY DRAWING (TOP)

Top Side Assembly Drawing (Scale 3:2)



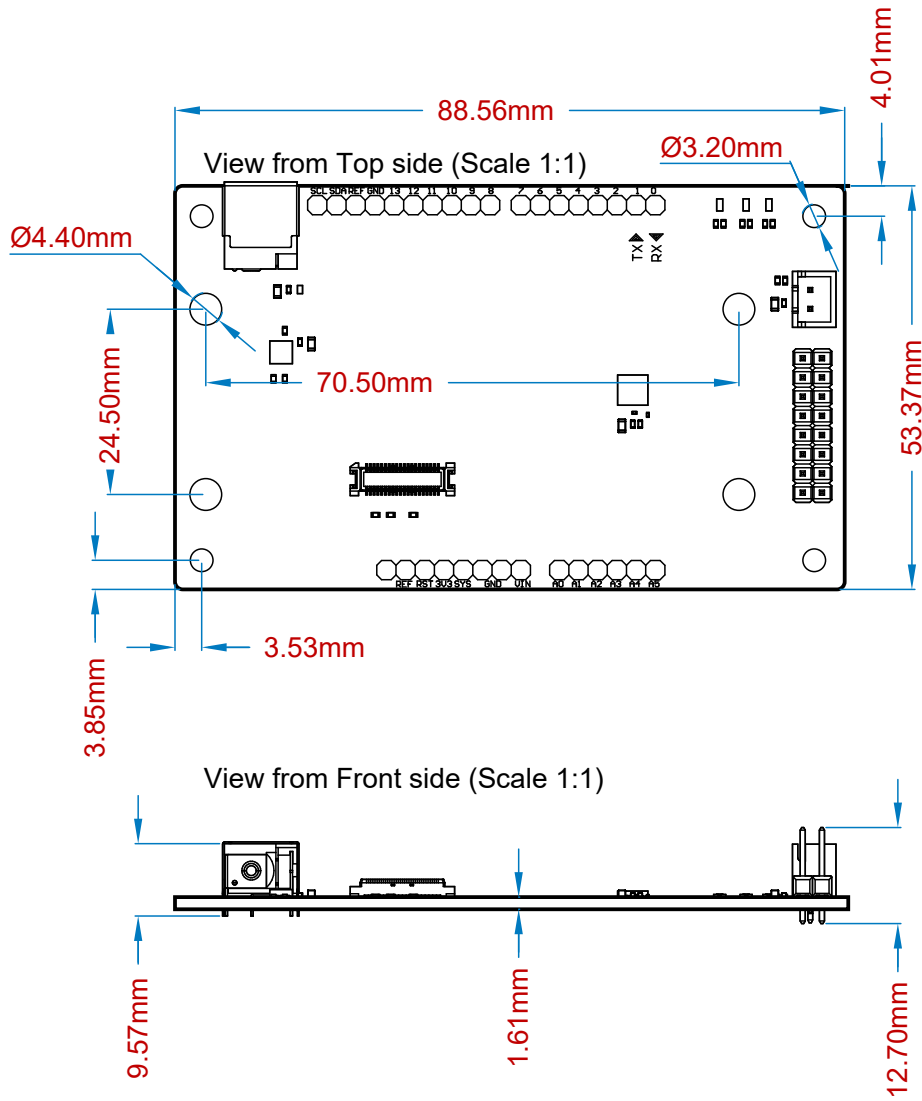
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				PRODUCT HCU-DUINO	
	ID/SIG.				DATE
DESIGNED	DM				4/23/2025
CHECKED	DM				4/23/2025
Q.A.	DM				4/23/2025
CLASS 3	SIZE A4	DRAW No. DN00101	SHEET 1	OF 2	REV 1.0

BOARD REALISTIC VIEW



<div>Caribou Labs</div>				TITLE ASSY	
				PRODUCT HCU-DUINO	
	ID/SIG.			DATE	
DESIGNED	DM			4/23/2025	
CHECKED	DM			4/23/2025	
Q.A.	DM			4/23/2025	
CLASS 3	SIZE A4	DRAW No. DN00101	SHEET 2	OF 2	REV 1.0

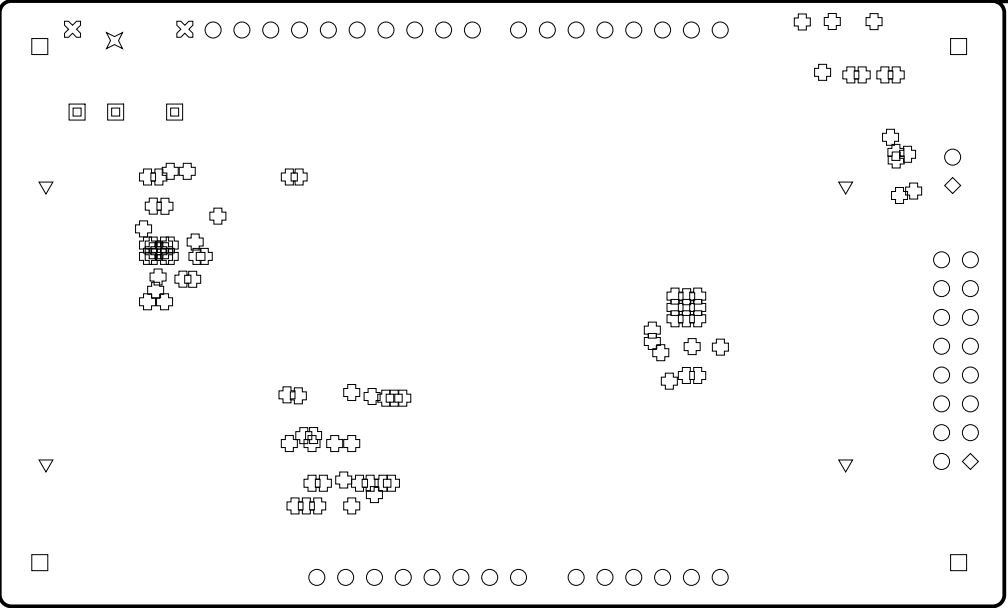
MECHANICAL VIEW



<div><div></div><div>Labs</div><div>Caribou</div></div>				TITLE MECH	
				PRODUCT HCU-DUINO	
	ID/SIG.			DATE	
DESIGNED	DM			4/23/2025	
CHECKED	DM			4/23/2025	
Q.A.	DM			4/23/2025	
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			4/23/2025	
CHECKED	DM			4/23/2025	
Q.A.	DM			4/23/2025	
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	
<b>CF-004</b>	<b>Top Layer</b>	<b>0.04mm</b>		<b>Signal</b>	<b>GTL</b>
Prepreg		0.13mm	PP-017	Dielectric	
Prepreg		0.13mm	PP-017	Dielectric	
<b>CF-004</b>	<b>Int1 (GND)</b>	<b>0.04mm</b>		<b>Signal</b>	<b>G1</b>
Core		0.90mm	Core-039	Dielectric	
<b>CF-004</b>	<b>Int2 (PWR)</b>	<b>0.04mm</b>		<b>Signal</b>	<b>G2</b>
Prepreg		0.13mm	PP-017	Dielectric	
Prepreg		0.13mm	PP-017	Dielectric	
<b>CF-004</b>	<b>Bottom Layer</b>	<b>0.04mm</b>		<b>Signal</b>	<b>GBL</b>
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		4/23/2025
CHECKED	DM		4/23/2025
Q.A.	DM		4/23/2025
CLASS 3	SIZE A4	DRAW No. DN00104	SHEET 2 OF 2 REV 1.0