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Fabrication information

Layer Stack Legend		Material	Layer	Thickness	Dielectric Material	Type	Gerber Legend	GTO
			Top Overlay					
		Surface Material	Top Solder	0.010mm	SM-002	Solder Mask	GTS	
		Nickel, Gold	Top Surface Finish	0.018mm		Surface Finish		
		CF-003	Top Layer	0.018mm		Signal	GTL	
				0.210mm	PP-021	Dielectric		
		CF-004	Mid-Layer 1	0.035mm		Signal	G1	
			Core	1.065mm	Core-039	Dielectric		
		CF-004	Mid-Layer 2	0.035mm		Signal	G2	
				0.210mm	PP-021	Dielectric		
		CF-003	Bottom Layer	0.018mm		Signal	GBL	
		Nickel, Gold	Bottom Surface Finish	0.018mm		Surface Finish		
		Surface Material	Bottom Solder	0.010mm	SM-002	Solder Mask	GBS	
			Bottom Overlay			Legend	GBO	
Total thickness: 1.648mm								

Fabrication Specifications	
BASE MATERIAL:	FR-4
TG:	≥145
<u>FINISH</u>	
SURFACE FINISH:	See layer stack
HARD GOLD (CONTACT AREA):	No
ROHS COMPLAINT:	Yes
LEADFREE:	Yes
<u>MARKING</u>	
BASE MATERIAL UL MARKING:	Yes, on Bottom
DATECODE:	Yes, on Bottom
<u>SILKSCREEN</u>	
TOP:	Yes
BOTTOM:	Yes
COLOR:	White
<u>SOLDERMASK</u>	
TOP:	Yes
BOTTOM:	Yes
COLOR:	Matte black
<u>VIA'S</u>	
SOLDERRESIST ON VIA:	Yes
PLUGGING:	No

Transmission Line Structure Table

Impedance Id	Transmission Line	Target Impedance	Calculated Impedance	Trace layer	Lower Trace Width	Upper Trace Width	Reference layers	Substack
1	Edge-Coupled Coated Microstrip	100	95.03	Top Layer	0.22mm	0.22mm	Mid-Layer 1	Board Layer Stack
2	Edge-Coupled Coated Microstrip	100	95.03	Bottom Layer	0.22mm	0.22mm	Mid-Layer 2	Board Layer Stack

	PROJECT:	Open AIR Mini - Reno	
	All dimensions are in millimeters (mm) unless noted. Default dimensional tolerance is ±0.1 mm.	Revision	1.1
DRAWN The Flamingo		REVIEW	Koen
Date:	01/11/2025	SHEET 1 OF 3	

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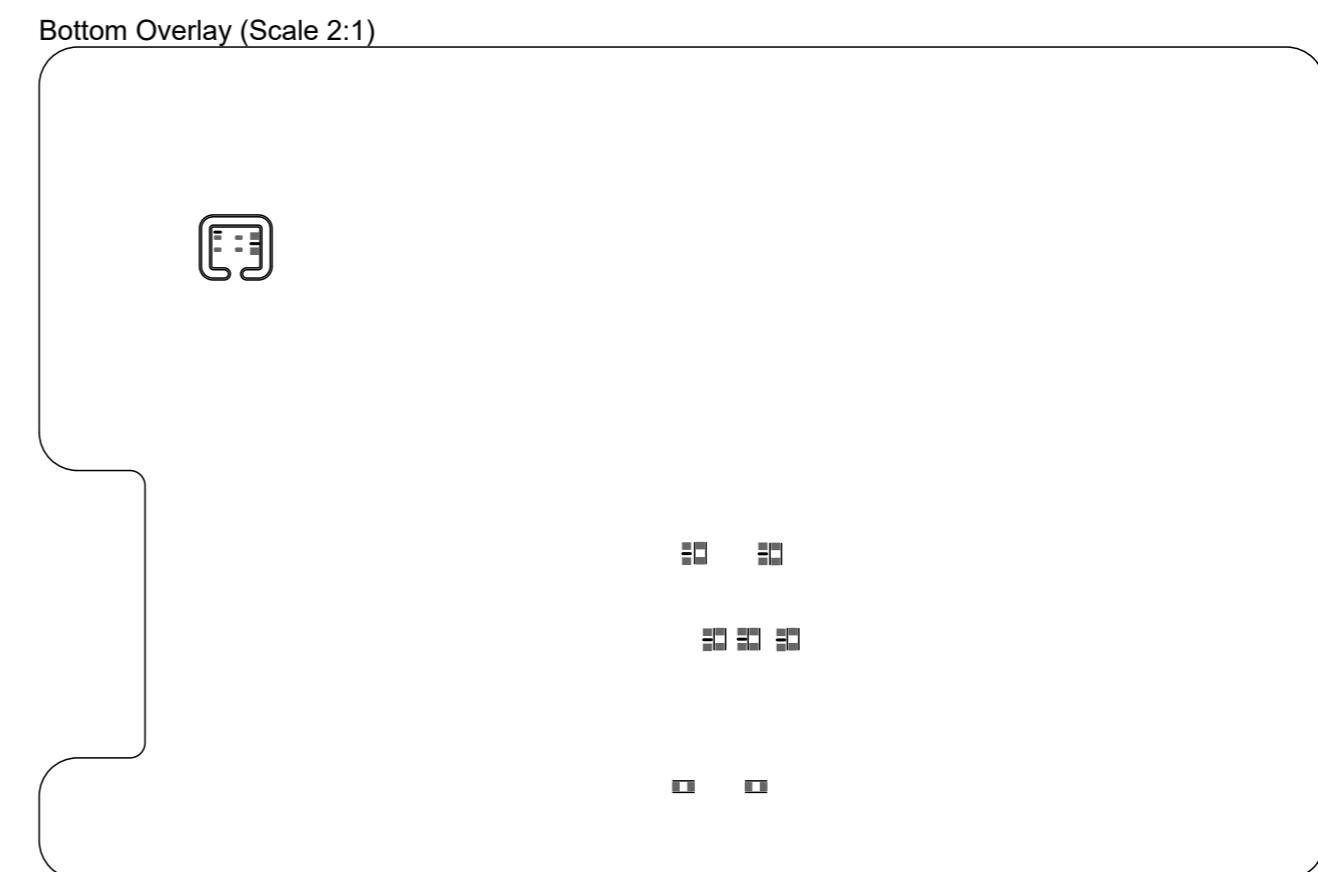
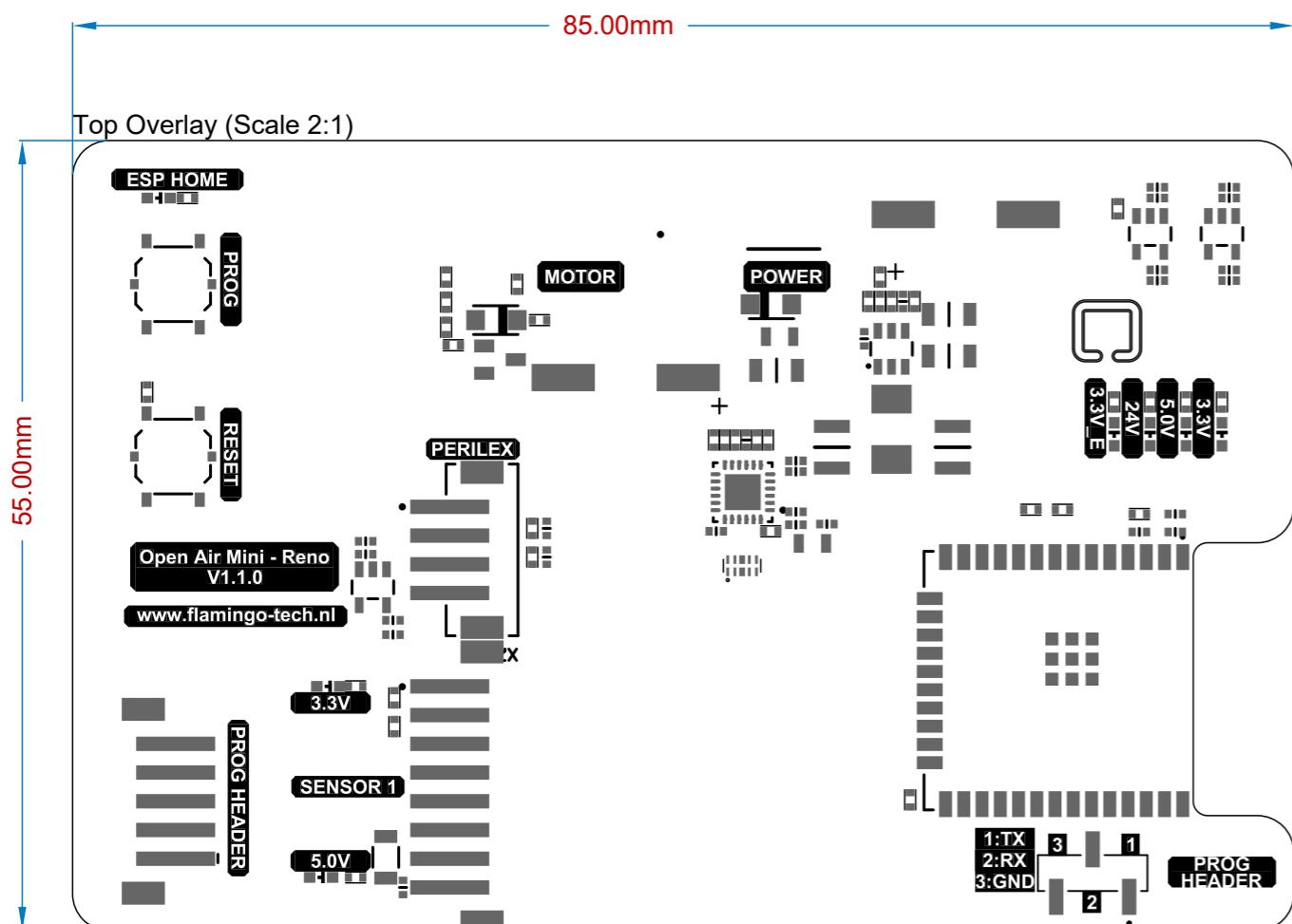
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Component placement - TOP &



		PROJECT: Open AIR Mini - Reno
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DRAWN	The Flamingo	REVIEW
Koen	Date: 01/11/2025	SHEET 2 OF 3

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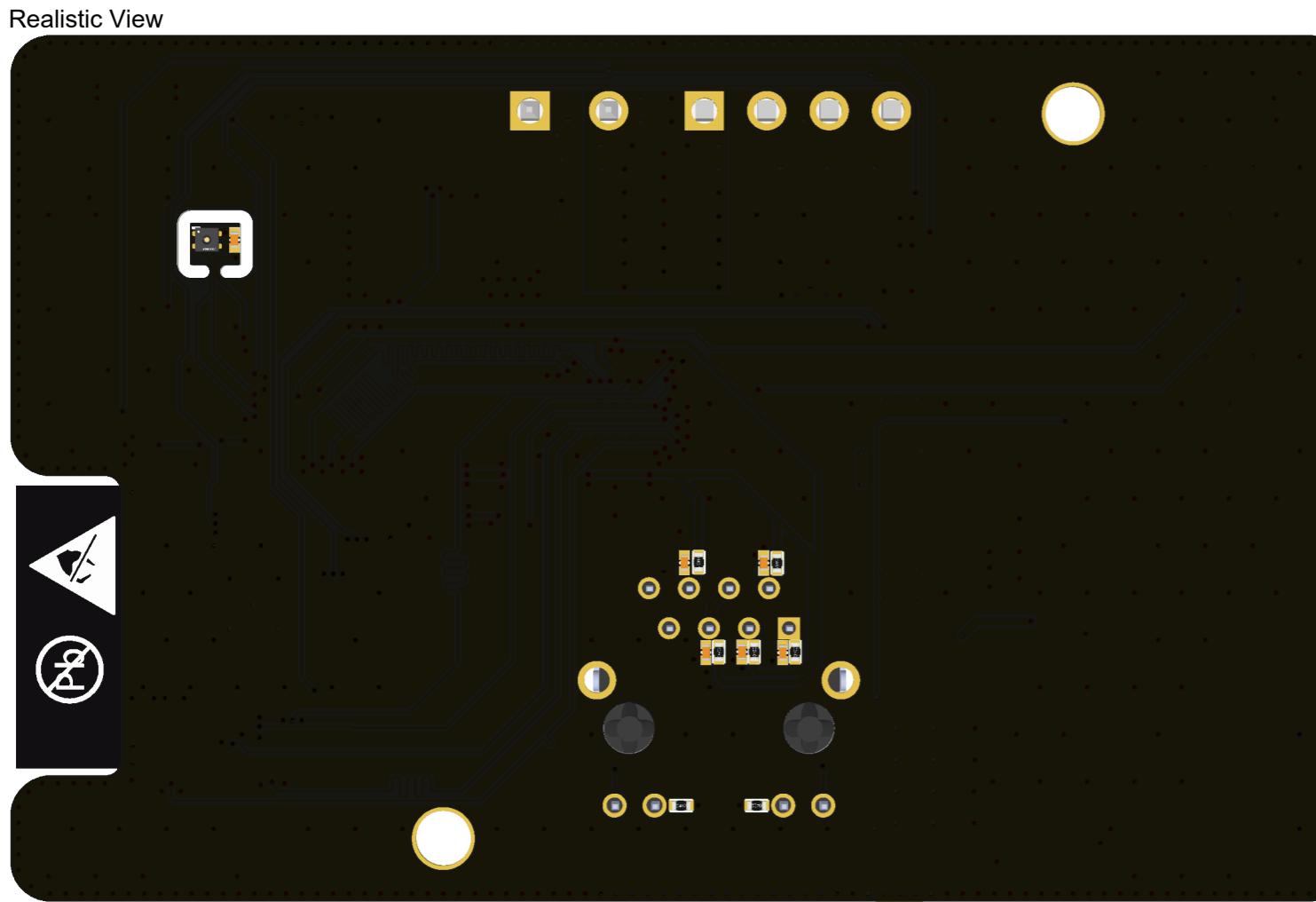
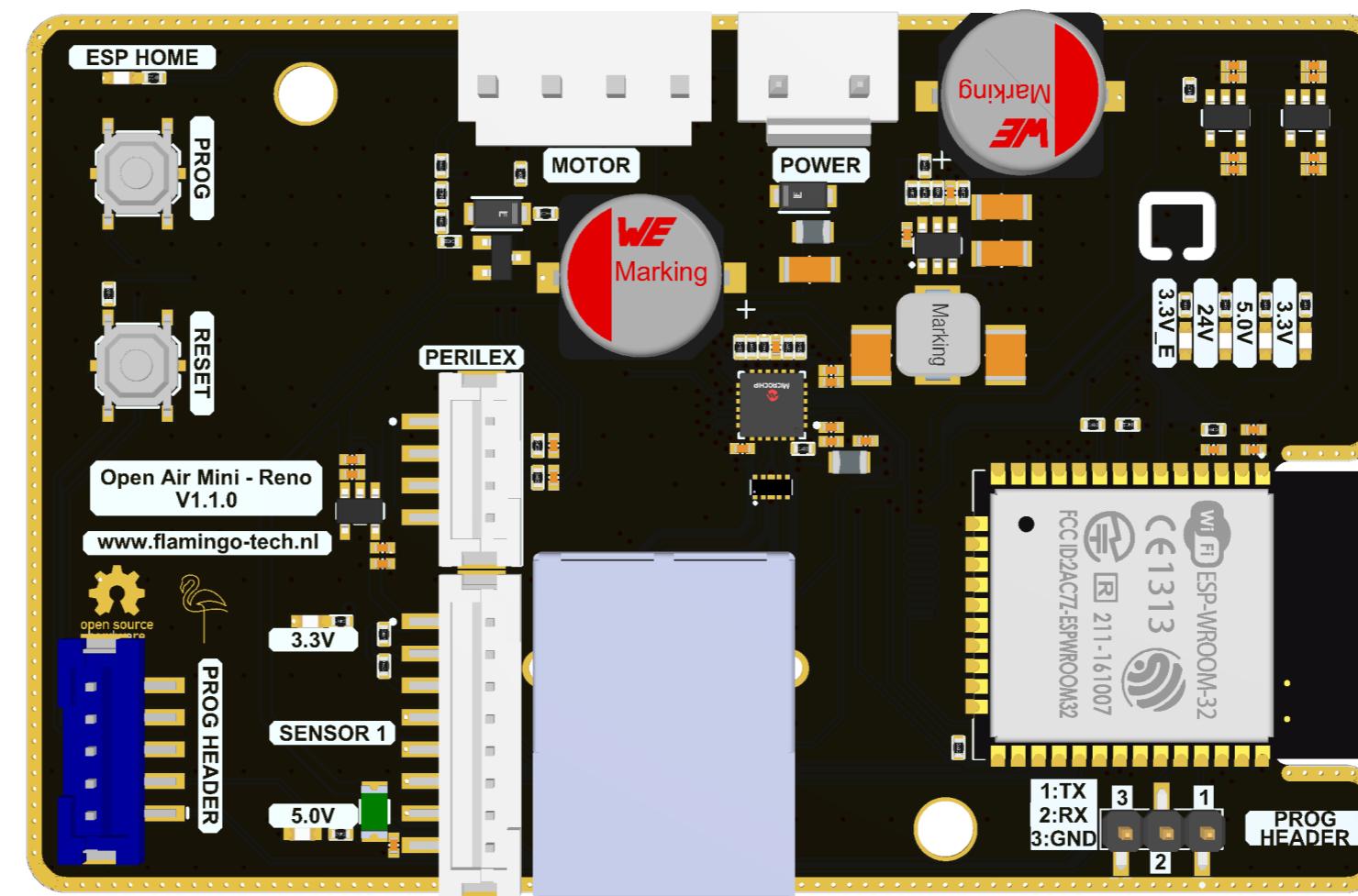
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Realistic view - TOP & BOT

Realistic View



		PROJECT: Open AIR Mini - Reno
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DRAWN	The Flamingo	REVIEW
	Koen	Date: 01/11/2025

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