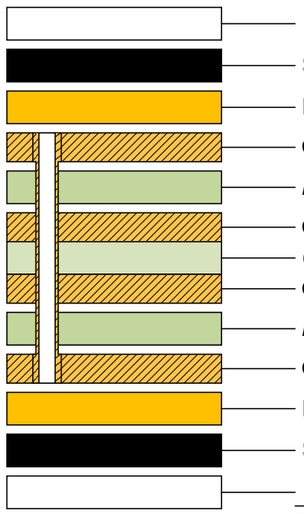
Fabrication Information

Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.025mm	SM-002	Solder Mask	GTS
Nickel, Gold	Top Surface Finish	0.004mm		Surface Finish	
CF-004	Top Layer	0.035mm		Signal	GTL
Prepreg		*0.071mm*	*PP-006*	*Dielectric*	
CF-004	Internal 1	0.035mm		Signal	G1
Core		*1.265mm*	*Core-043*	*Dielectric*	
CF-004	Internal 2	0.035mm		Signal	G2
Prepreg		*0.071mm*	*PP-006*	*Dielectric*	
CF-004	Bottom Layer	0.035mm		Signal	GBL
Nickel, Gold	Bottom Surface Finish	0.004mm		Surface Finish	
Surface Material	Board Layer Stack Bottom Solder	0.025mm	SM-002	Solder Mask	GBS
	Board Layer Stack Bottom Overlay			Legend	GBO

Total thickness: 1.606mm

Fabrication Specifications

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

[redacted]

All dimensions are in millimeters (mm) unless noted.
Default dimensional tolerance is ±0.1 mm.

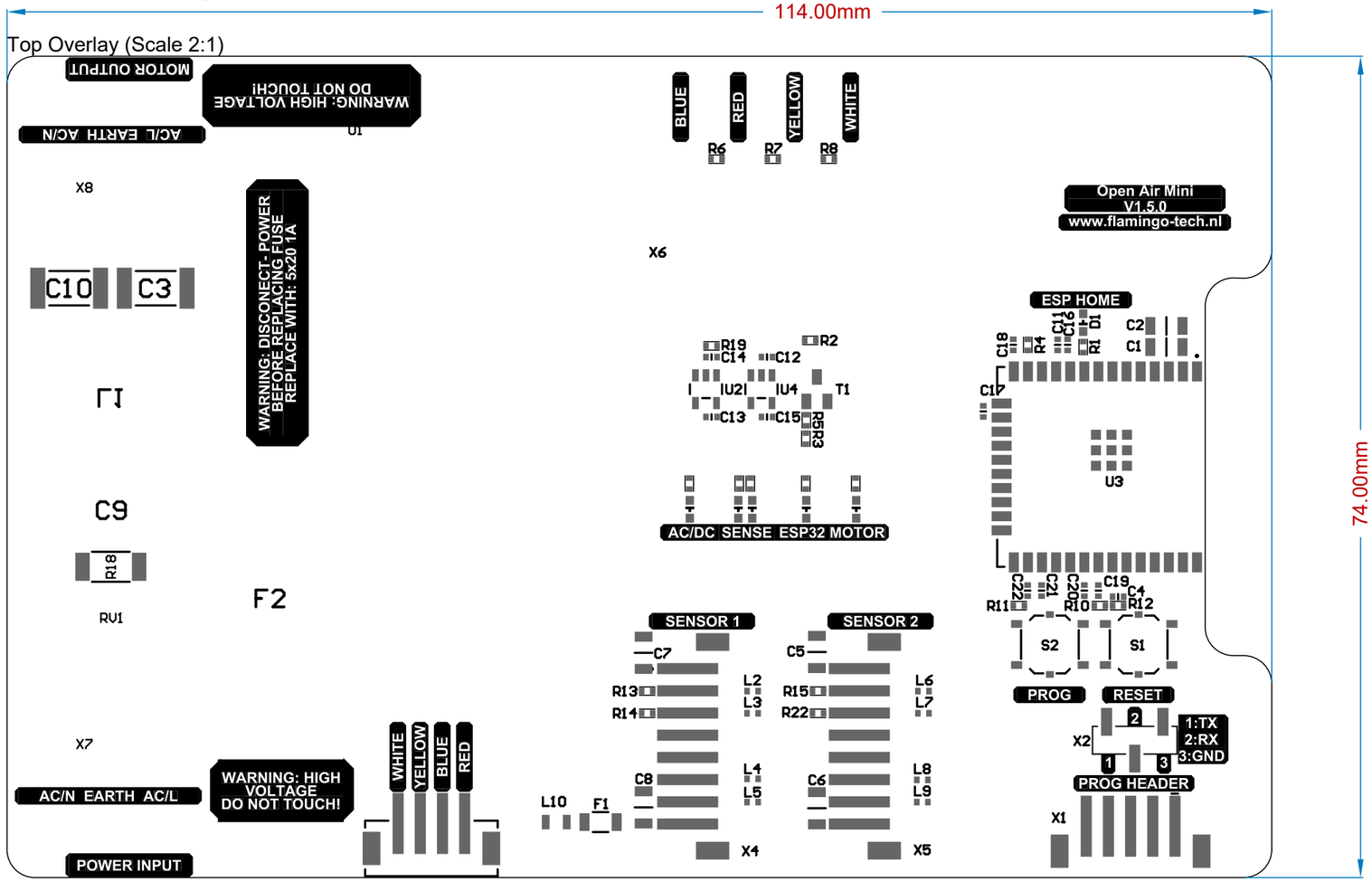
DRAWN	The FLamingo	REVIEW	The Mad Ping	**Date:** 31/10/2025	**SHEET 1 OF 3**

PROJECT: Open AIR Mini

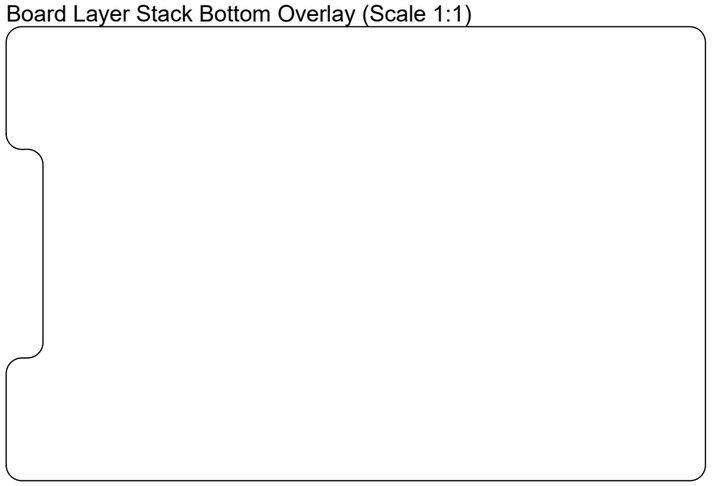
Revision 1.5.0 | A3

Component Placement - Top & Bottom

Top Overlay (Scale 2:1)



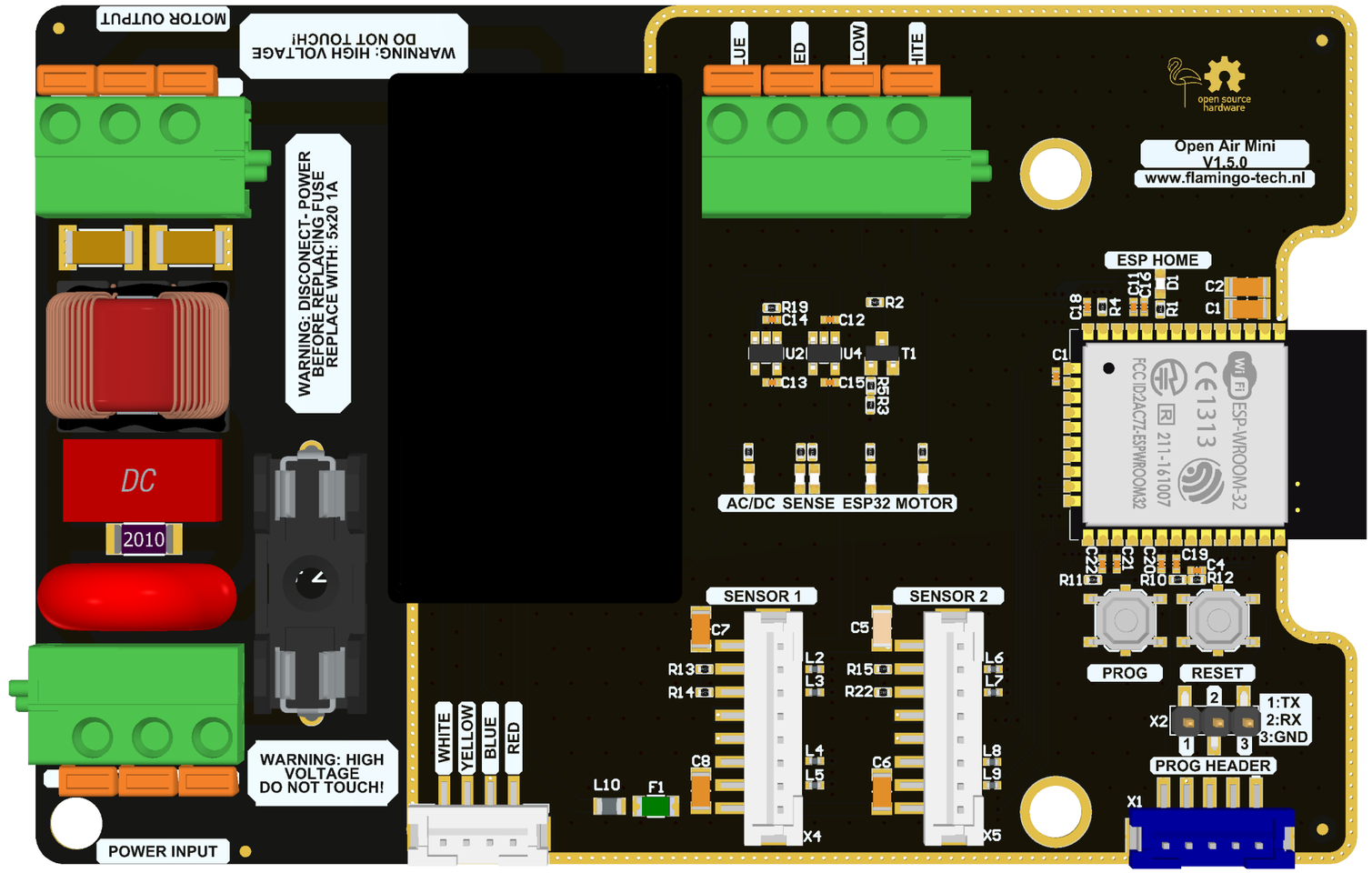
Board Layer Stack Bottom Overlay (Scale 1:1)



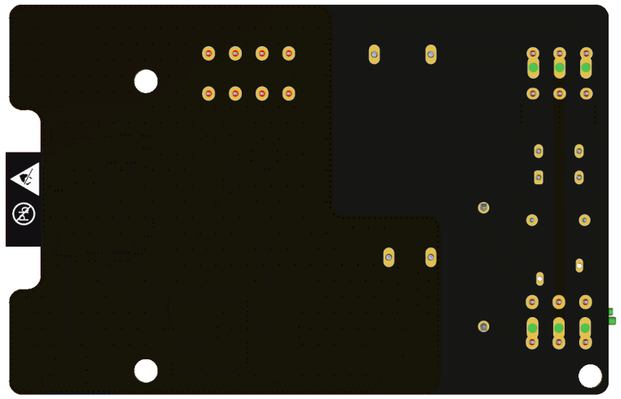
[redacted]				PROJECT: Open AIR Mini	
All dimensions are in millimeters (mm) unless noted. Default dimensional tolerance is ±0.1 mm.				Revision 1.5.0	A3
DRAWN	The FLamingo	REVIEW	The Mad Ping	Date: 31/10/2025	SHEET 2 OF 3

Realistic view - TOP & BOT

Realistic View



Realistic View



All dimensions are in millimeters (mm) unless noted. Default dimensional tolerance is ±0.1 mm.				PROJECT: Open AIR Mini	
				Revision 1.5.0	A3
DRAWN	The FLamingo	REVIEW	The Mad Ping	Date: 31/10/2025	SHEET 3 OF 3