github.com /enph253–2025–team5/ robot–motherboard–pcb Designed by George Sleen

BOARD CHARACTERISTICS

2 Copper Layer Count: Board Thickness: 1.6000 mm

Board overall dimensions: 129.2860 mm \times 78.7400 mm

Min track/spacing: 0.1000 mm / 0.1000 mm Min hole diameter: 0.3000 mm

Copper Finish: None Impedance Control: No Castellated pads: Plated Board Edge: No No

Edge card connectors: No

Layer Name	Туре	Material	Thickness (mm)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Not specified	0 mm	Not specified	1	0
F.Paste	Top Solder Paste		0 mm		1	0
F.Mask	Top Solder Mask	Not specified	0.01 mm	Not specified	3.3	0
F.Cu	copper		0.035 mm		1	0
Dielectric	core	FR4	1.51 mm	Not specified	4.5	0.02
B.Cu	copper		0.035 mm		1	0
B.Mask	Bottom Solder Mask	Not specified	0.01 mm	Not specified	3.3	0
B.Paste	Bottom Solder Paste		0 mm		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mm	Not specified	1	0

Title: Robot Motherboard	
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Team 5	
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litle: Kodot			
Size: A4	Date: 2025-07-04		Rev: v1.1.0
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129.3 82.4 3V3 OUT GND WingO_S 3V3 SDA SCL GND 12C0 470R 10K 4k7 4k7 4k7 VOUT+ ROBOT v1.1.0 MOTHERBOARD VOUT-User.Input G1 SSD1306_OLED -INO -N1 C11 ----Extra ----GND 12 2 RX0 TX0 C3

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Size: A4	Date: 2025-07-04		Rev: v1.1.0	
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B.Paste	Bottom Solder Paste		0 mm		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mm	Not specified	1	0

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