

BOARD CHARACTERISTICS

Copper Layer Count:4Board Thickness:62.99 mils

Board overall dimensions:860.00 mils x 1250.00 mils

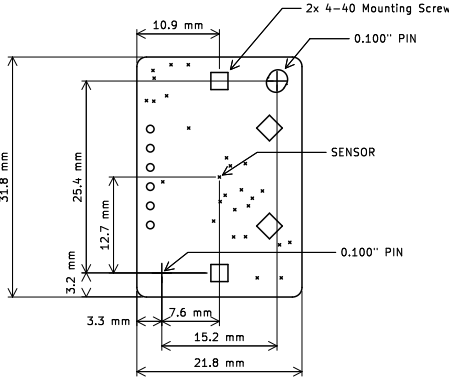
Min track/spacing:0.00 mils / 0.00 milsMin hole diameter:10.00 mils

Copper Finish:HAL SnPbImpedance Control:No

Castellated pads:NoPlated Board Edge:No

Edge card connectors:No

Layer Name	Type	Material	Thickness (mils)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Not specified	0 mils	Not specified	1	0
F.Paste	Top Solder Paste		0 mils		1	0
F.Mask	Top Solder Mask	Not specified	0.3937 mils	Green	3.3	0
F.Cu	copper		1.37795 mils		1	0
Dielectric 1	prepreg	FR4	3.93701 mils	Not specified	4.5	0.02
In1.Cu	copper		1.37795 mils		1	0
Dielectric 2	core	FR4	48.8189 mils	Not specified	4.5	0.02
In2.Cu	copper		1.37795 mils		1	0
Dielectric 3	prepreg	FR4	3.93701 mils	Not specified	4.5	0.02
B.Cu	copper		1.37795 mils		1	0
B.Mask	Bottom Solder Mask	Not specified	0.3937 mils	Green	3.3	0
B.Paste	Bottom Solder Paste		0 mils		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mils	Not specified	1	0

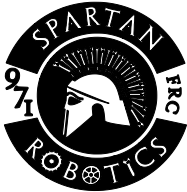


Drill Map:

- 0.305mm / 0.0120" (27 holes)
- 1.000mm / 0.0394" (6 holes)
- + 2.540mm / 0.1000" (1 holes + 1 slot) (not plated)
- ◻ 3.200mm / 0.1260" (2 holes) (not plated)
- ◊ 3.400mm / 0.1339" (2 holes) (not plated)

NOTES:

1. LAYERS: 4
2. PCB THICKNESS: 1.6mm
3. PCB COLOR: GREEN
4. SILKSCREEN: WHITE
5. MATERIAL TYPE: FR4 TG-155
6. SURFACE FINISH: HASL (Pb)
7. OUTER COPPER WEIGHT: 1oz
8. INNER COPPER WEIGHT: 0.5oz
9. IMPEDANCE CONTROL: NO
10. VIA COVERING: PLUGGED
11. MIN VIA HOLE DIA: 0.3mm
12. BOARD OUTLINE TOLERANCE: +/-0.2mm



971 Spartan Robotics

Sheet: File: mag-encoder.kicad_pcb		
Title: Mag Encoder		
Size: B	Date: 2024-08-18	Rev: 0
KiCad E.D.A. 8.0.4		Page: 1/1