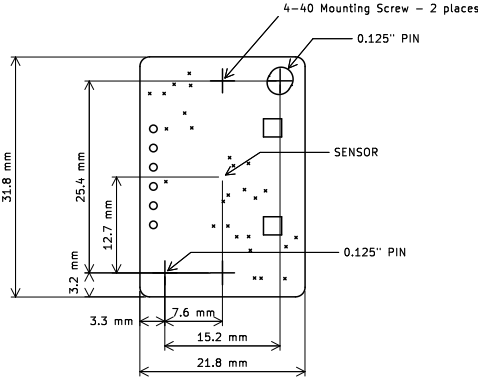


- NOTES:
- 1. LAYERS: 4
 - 2. PCB THICKNESS: 1.6mm
 - 3. PCB COLOR: GREEN
 - 4. SILKSCREEN: WHITE
 - 5. MATERIAL TYPE: FR4 TG-155
 - 6. SURFACE FINISH: HASL (Pb)
 - 7. OUTER COPPER WEIGHT: 1oz
 - 8. INNER COPPER WEIGHT: 0.5oz
 - 9. IMPEDANCE CONTROL: NO
 - 10. VIA COVERING: PLUGGED
 - 11. MIN VIA HOLE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

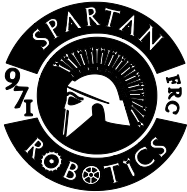


BOARD CHARACTERISTICS

Copper Layer Count: 4 Board Thickness: 62.99 mils
Board overall dimensions: 860.00 mils x 1250.00 mils
Min track/spacing: 10.00 mils / 9.50 mils Min hole diameter: 10.00 mils
Copper Finish: HAL SnPb Impedance Control: No
Castellated pads: No Plated 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)
+ 3.175mm / 0.1250" (3 holes + 1 slot)
□ 3.400mm / 0.1339" (2 holes) (not plated)



971 Spartan Robotics

Sheet:
File: mag-encoder.kicad_pcb
Title: **Mag Encoder**
Size: B Date: 2024-08-25 Rev: **1**
KiCad E.D.A. 8.0.4 Page: 1/1