

NOTES

- 1. 4 layer PCB
- 2. PCB Thickness: 1.6 mm
- 3. Solder mask color: GREEN
- 4. Material: FR4–TG155
- 5. Surface Finish: HASL (with lead)
- 6. Outer Copper Weight: 1 oz
- 7. Inner Copper Weight: 0.5 oz
- 8. Impedance Control: NO
- 9. Via Covering: Plugged
- 10. Minimum Via Size/Hole Diameter: 0.89 mm/ 0.508 mm
- 11. Board Outline Tolerance: +/-0.2 mm

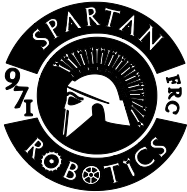
BOARD CHARACTERISTICS

Copper Layer Count:	4	Board Thickness:	1.6000 mm
Board overall dimensions:	108.0598 mm x 78.9830 mm		
Min track/spacing:	0.3048 mm / 0.2499 mm	Min hole diameter:	0.0000 mm
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	White	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	prepreg	FR4	3.93701 mils	Not specified	4.5	0.02
In1.Cu	copper		1.37795 mils		1	0
Dielectric	core	FR4	48.8189 mils	Not specified	4.5	0.02
In2.Cu	copper		1.37795 mils		1	0
Dielectric	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	White	1	0

Drill Map:

- x 0.508mm / 0.0200" (71 holes)
- 0.508mm / 0.0200" (2 holes)
- + 1.020mm / 0.0402" (40 holes)
- ◻ 1.067mm / 0.0420" (8 holes)
- ◊ 1.092mm / 0.0430" (2 holes)
- ⊗ 2.700mm / 0.1063" (3 holes)
- * 1.500mm / 0.0591" (6 holes) (not plated)
- ⊠ 1.800mm / 0.0709" (2 holes) (not plated)
- ⊞ 3.400mm / 0.1339" (8 holes) (not plated)



971 Spartan Robotics

Sheet:		
File: NX–IndicatorBoard.kicad_pcb		
Title: NX–IndicatorBoard V2		
Size: B	Date: 2024–07–28	Rev: 2
KiCad E.D.A. 8.0.4		Page: 1/1