

A

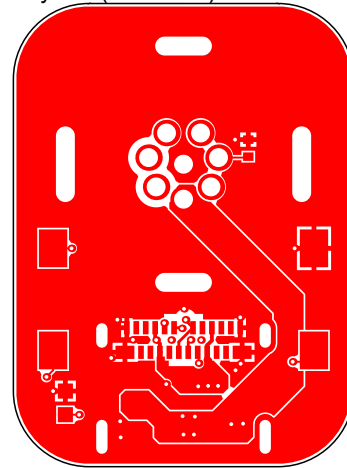
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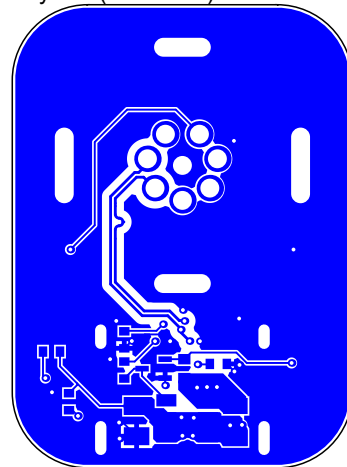
D

E

Layer 1 (Scale 5:2)



Layer 2 (Scale 5:2)

**FABRICATION NOTES:**

Fabricate per IPC-6011 & IPC-6012 CLASS 2  
Inspect per IPC-A-600 CLASS 2  
Test per IPC-TM-650

- \* PCB has 2 copper layers
- \* Copper thicknesses are finished and include base foil plus Cu plating on plated layers.
- \* PCB thickness: 63mil +/- 3mil
- \* Min. trace width/clearance: 5/5mil
- \* Min. hole drill/ring: 10mil/20mil
- \* Soldermask gang relief is allowed for pads in same footprint, if footprint is NSMD.
- \* Silkscreen, non-conductive epoxy ink, color: white
- \* Remove silkscreen as needed to prevent ink on any exposed copper
- \* Surface finish: ENIG
- \* Hole dimensions are finished size, +/-3mil
- \* Linear board dimension tolerance: +/-10mil
- \* Bow, twist, warp not to exceed 0.75% of greatest diagonal span
- \* PCB shall be UL Recognized printed wiring board (ZPMV2), minimum flammability rating 94V-0
- \* PCB shall be marked with fabricator company or trade name, UL mark, and date code using legend ink on secondary side
- \* All PCBs shall be electrically tested for opens and shorts per gerber. Test marking shall be marked on secondard side.

Title: **NG6013**

Number:

Revision: R3M2  
E3

Date: 03/08/2022

Sheet: 1 of 3

Drawn by: Nejck Gostincarc

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Layer Stack Legend

Layer	Thickness	Type	Gerber	Df	Dk
Top Solder Mask	0.39mil(0.010mm)	Solder Mask	GTS		3,5
Layer 1	1.38mil(0.035mm)	Signal	GTL		
	59.06mil(1.500mm)	Dielectric		0,02	4,3
Layer 2	1.38mil(0.035mm)	Signal	GBL		
Bottom Solder Mask	0.39mil(0.010mm)	Solder Mask	GBS		3,5
Total thickness: 62.60mil(1.590mm)					

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
✕	34	7.99mil(0.203mm)	Plated	
⊠	4	23.62mil(0.600mm)	Plated	
□	12	39.37mil(1.000mm)	Plated	
50 Total				

Title: **NG6013**

Number:

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E3

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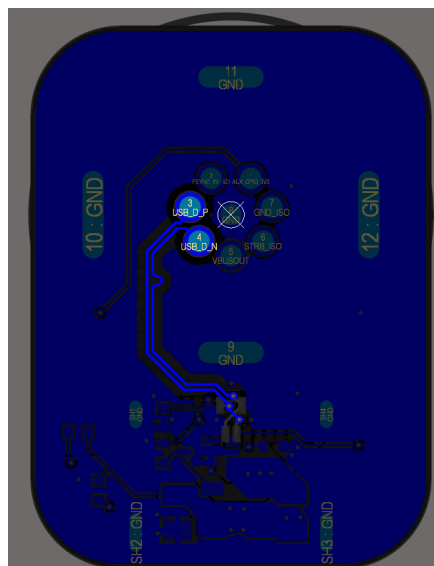
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90 OHM (+/-10%) DIFF PAIRS



Transmission Line Structure Table

Target Impedance	Trace layer	Lower Trace Width	Upper Trace Width	Gap	Reference layers
90	Layer 1	5.9mil(0.150mm)	5.9mil(0.150mm)	3.9mil(0.100mm)	Layer 2
90	Layer 2	5.9mil(0.150mm)	5.9mil(0.150mm)	3.9mil(0.100mm)	Layer 1

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