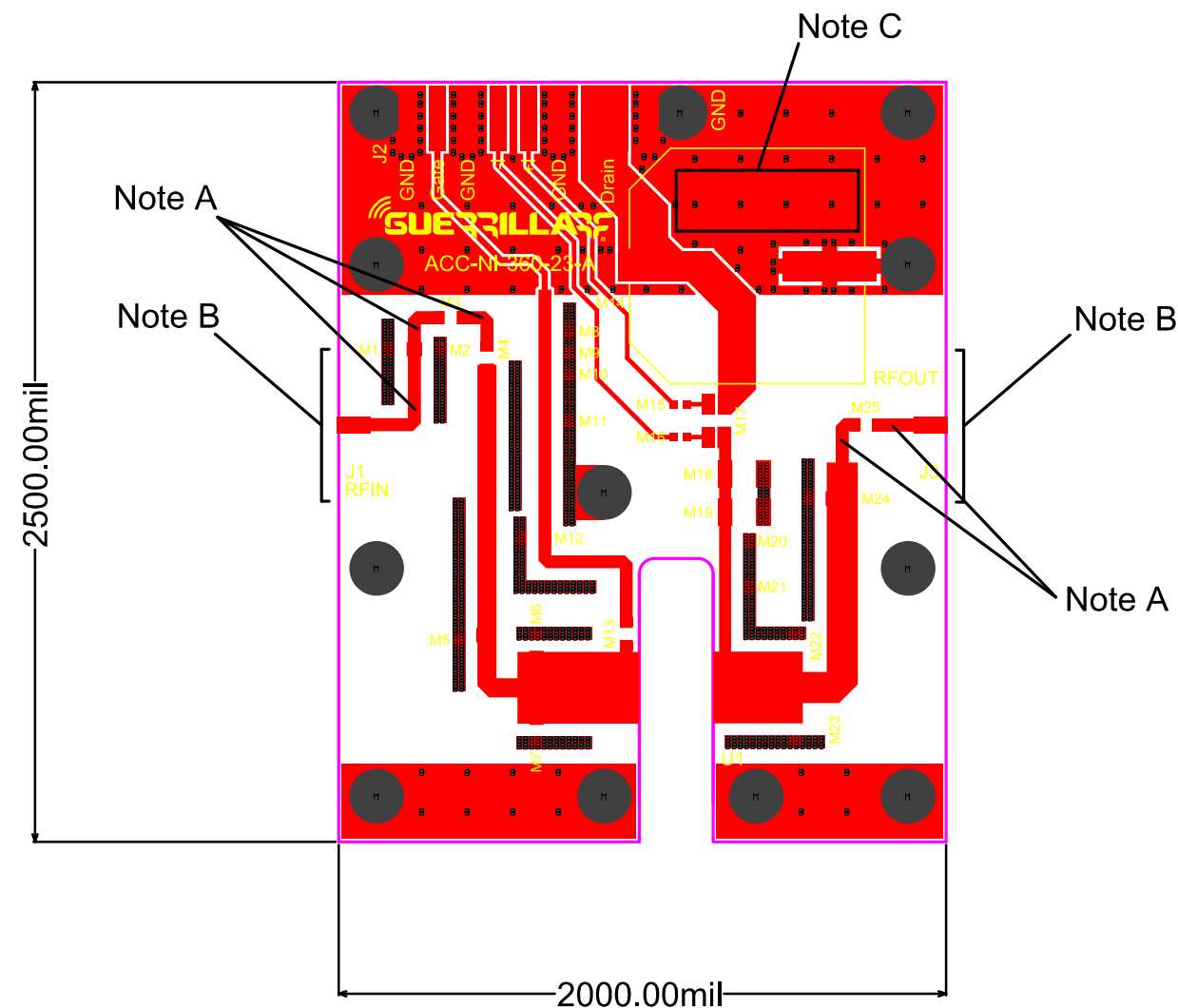


REV	Description	Date



Top Layer (Metal)

Drill Drawing

Specifications:

All units are in mils unless otherwise specified.

1. Materials
Beginning foil thickness 0.5oz min. but shall meet the minimum requirements below:
Layer 1 - Top Layer, 1 oz copper, 1.4mil
Dielectric - Rogers 4350, 20mil +/- 1mil
Layer 2 - Bottom Layer, 1 oz copper, 1.4mil
Total Board Thickness = 22.8mil +/-10% not including solder mask.
2. Hole Plating
Copper plate in Thru Hole Vias shall be:
Wall/Barrel thickness shall be a minimum of 1.0mil thick
Surface electroplated copper shall be 1.5mil on top and bottom surfaces.
3. Finish
ENIG
Thickness 3-8 micro inches.
Solder Mask
Liquid Photo Imageable (LPI) Solder Mask Over Bare Copper (SMOBC)
Color: Red or Approved Equal.
Solder mask is not to be applied to bottom of PCB
Silkscreen: White Non-Conductive Epoxy Ink.
Silkscreen is not to be applied to bottom of PCB
4. Tolerances
Overall board dimension tolerance +/- 5mil.
Hole Diameter $\geq$ 100mil +/- 5mil
Hole Diameter $<$ 100mil +/- 3mil
Layer to layer registration should be +/- 3mil.
All holes shall be located within hole to pad tangency.
5. Traces
Conductors indicated as Note A shall be 43mil +/- 1mil wide. Manufacturer shall test for lines indicated to be 50 Ohm +/- 5% and may adjust the width as needed.
Minimum conductor width is 6mil +/- 1mil.
Minimum conductor to conductor spacing is 6mil.
TDR coupon required to be delivered with boards.
The controlled impedance on layer 1 shall be 50 Ohms +/- 5%.
6. RF Connections
Areas indicated as Note B shall have metal extending to the board edge and exposed when viewed from the side.
This note will apply to all layers in the indicated area.
Burs and potential shorts will be accepted.
7. UL Mark and Date code may be added to top layer silk screen in area noted in Note C. Lettering should be oriented on same axis as Guerrilla RF Logo lettering.

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair
B	601	10.00mil <0.254mm	PTH	Round	Top Layer - Bottom Layer
M	12	86.61mil <2.200mm	PTH	Round	Top Layer - Bottom Layer
	613 Total				

		Guerrilla RF		
Dimensions are in inches unless otherwise specified.	SIZE		DOCUMENT NO. ACC-NI-360-23-A	REV A
Drawn By: R. Williamson	SCALE NONE	Date: 1/15/2026	Sheet 1 of 1	