

REV	Description	Date

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 >= 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.

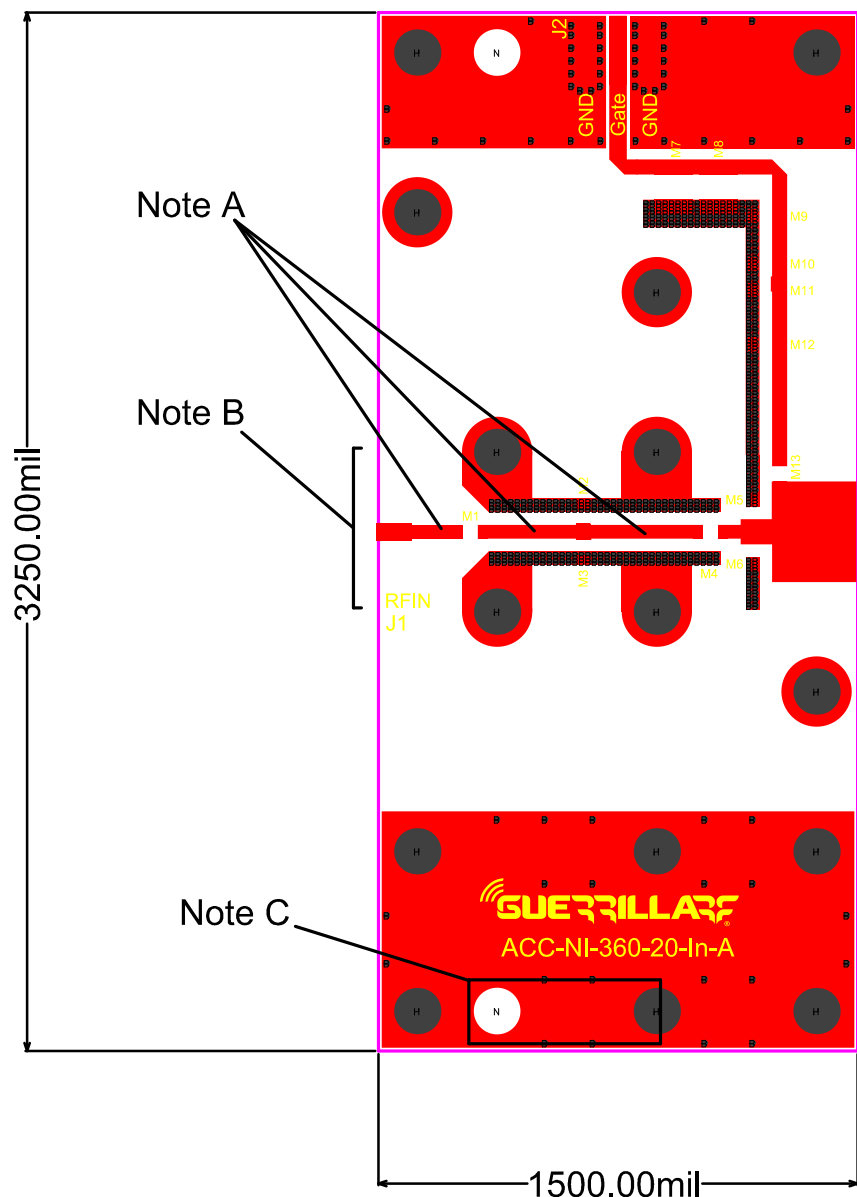
This note will apply to all layers in the indicated area.

Burrs 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.



Top Overlay (Silk Screen)

Top Layer (Metal)

Drill Drawing

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair
B	384	10.00mil (0.254mm)	PTH	Round	Top Layer - Bottom Layer
H	15	125.00mil (3.175mm)	PTH	Round	Top Layer - Bottom Layer
N	2	125.98mil (3.200mm)	NPTH	Round	Top Layer - Bottom Layer
	401 Total				

		Guerrilla RF		
Dimensions are in inches unless otherwise specified.	SIZE		DOCUMENT NO. ACC-NI-360-20-In-A	REV A
	SCALE NONE		Date: 1/15/2026	Sheet 1 of 1
Drawn By: R. Williamson				