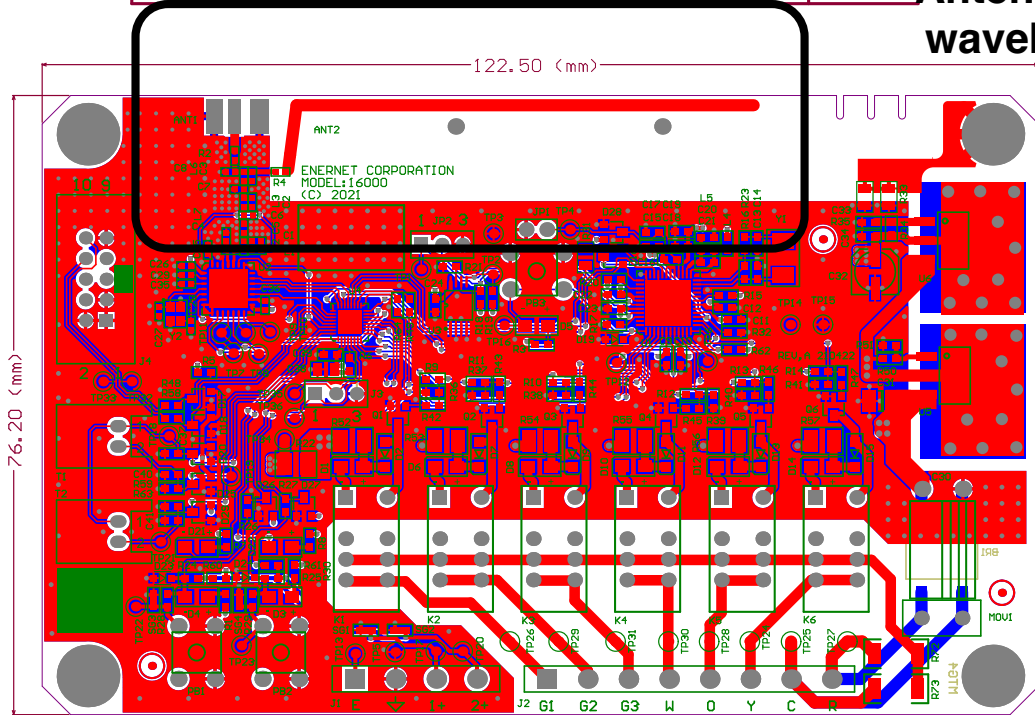


Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape
▽	528	0.300mm	PTH	Round	TOP - BOTTOM	Via	Rounded
▽	16	0.500mm	PTH	Round	TOP - BOTTOM	Via	Rounded
○	50	0.800mm	PTH	Round	TOP - BOTTOM	Pad	(Mixed)
□	14	0.900mm	PTH	Round	TOP - BOTTOM	Pad	(Mixed)
○	42	1.000mm	PTH	Round	TOP - BOTTOM	(Mixed)	(Mixed)
◇	2	1.092mm	PTH	Round	TOP - BOTTOM	Pad	Rounded
*	12	1.500mm	PTH	Round	TOP - BOTTOM	Pad	(Mixed)
■	1	1.700mm	PTH	Round	TOP - BOTTOM	Pad	Rounded
X	2	3.000mm	NPTH	Round	TOP - BOTTOM	Pad	Rounded
☆	4	4.800mm	PTH	Round	TOP - BOTTOM	Pad	Rounded
671 Total							

PCB Trace Antenna, 1/4 wavelength

REVISION RECORD			
REV	ECO NO	APPD	DATE
A			



FABRICATION NOTES:

- BOARD FABRICATION AND QUALITY ACCEPTANCE PER IPC-6012B, CLASS 2. THESE DETAILED NOTES AND INSTRUCTIONS MAY SUPERSEDE IPC REQUIREMENTS.
- MATERIAL - FR-4 GRADE GLASS EPOXY, LEAD-FREE COMPLIANT PER IPC-4101B/126 OR /129.Tg >130 DEG C. THICKNESS - 1.6mm +/- 10%, MEASURED OVER SOLDERMASK MINIMUM FLAMMABILITY RATING UL 94V-0
- OUTER LAYER COPPER THICKNESS(1 OZ) FINISHED. INNER LAYER COPPER THICKNESS (1 OZ).
- SURFACE TREATMENT HAL LEAD FREE.THICKNESS >1um .PLATING PTH >25um
- SOLDER MASK OVER BARE COPPER, LPI, PER IPC-SM-840, MATT GREEN.
- SILK SCREEN BOTH SIDES WHITE EPOXY NON-CONDUCTIVE INK. SILKSCREEN SHOULD BE TRIMMED OFF ANY SOLDERED ENTITY.
- HOLE SIZE TOLERANCE IS +/- 0.003" UNLESS NOTED OTHERWISE.
- HOLE CENTERS AND PAD CENTERS TO BE CONCENTRIC WITHIN 0.003"
- UL DATE/LOGO AND/OR VENDOR INFORMATION CAN BE IN SILKSCREEN NOMENCLATURE WHERE SPACE PERMITS, UNLESS OTHERWISE SPECIFIED. NO ADDITIONAL COPPER, LOGOS, OR TEXT OF ANY KIND IN COPPER LAYERS.

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	TopOverlay				
	TopSolder	Solder Resist	0.010mm	3.5	
1	TOP	Copper	0.035mm		
	Dielectric1	PP-022	0.208mm	4.5	
2	GND	Copper	0.035mm		
	Dielectric2	FR-4	1.100mm	4.5	
3	UDD	Copper	0.035mm		
	Dielectric3	PP-022	0.208mm	4.5	
4	BOTTOM	Copper	0.035mm		
	BottomSolder	Solder Resist	0.010mm	3.5	
	BottomOverlay				

DRAWN	DATE	UNLESS OTHERWISE SPECIFIED X +/- .020 X/X +/- 1/32 .XX +/- .010 X +/- .30' XXX +/- .005	ENERNET		
	CHECK		TITLE 16000		
NEXT ASSY	SYSTEM	ALL MACH SURFACES 63 CONCENTRICITY .005 TIR	SIZE	DRAWING NO.	REV
	APPLICATION		A	16000	A
MATERIAL		DEBURR AND BREAK ALL SHARP EDGES DIMENSIONS IN INCHES	SCALE 1 : 1		WT
FINISH			SHEET		
		DO NOT SCALE THIS DRAWING			