

JWB-001_README.PDF

Please refer to fabrication drawing for all specifications and fabrication details.

Quantity: 50
Delivery: Standard
Shipping address:

Jewelbots
50 Eldridge St.
5th floor
New York, NY 10002

Design contacts:
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Part Number-----: JWB-001
Revision-----: 3.7
Board size-----: 0.94488" x 0.94488"
Board Thickness-----: 0.035"
Board type-----: FOUR LAYER
P.C.B material-----: 370HR
Finished Copper-----: 1 oz
Finish-----: ENIG
Solder Mask on Bare Copper-----: Yes
Mask type-----: LPI
Mask color-----: GREEN
Silk screen color-----: WHITE
Surface mount-----: Yes
Smallest trace size-----: 0.003"
Smallest clearance between traces-: 0.003"

Layer Stackup:

Layer Name	Type	Material	Thickness (mil)	Dielectric Material	Dielectric Constant
Top Overlay	Overlay				
Top Solder	Solder Mask/Coverlay	SurfaceMaterial	0.4	Solder Resist	3.5
Top	Signal	Copper	1.2		
Core 1	Dielectric	Prepreg	2.8	FR-4	4.5
Layer 2	Signal	Copper	1.2		
Core 2	Dielectric	Core	24	FR-4	4.5
Layer 3	Signal	Copper	1.2		
Core 3	Dielectric	Prepreg	2.8	FR-4	4.5
Bottom	Signal	Copper	1.2		
Bottom Solder	Solder Mask/Coverlay	SurfaceMaterial	0.4	Solder Resist	3.5
Bottom Overlay	Overlay				

Request Impedance Control on the following nets:

Differential Nets:

ANT1 (Val: 100ohms)
Coord: (138, 236) in mil

ANT2 (Val: 100ohms)
Coord: (138, 221) in mil

Zo_diff = 50ohms

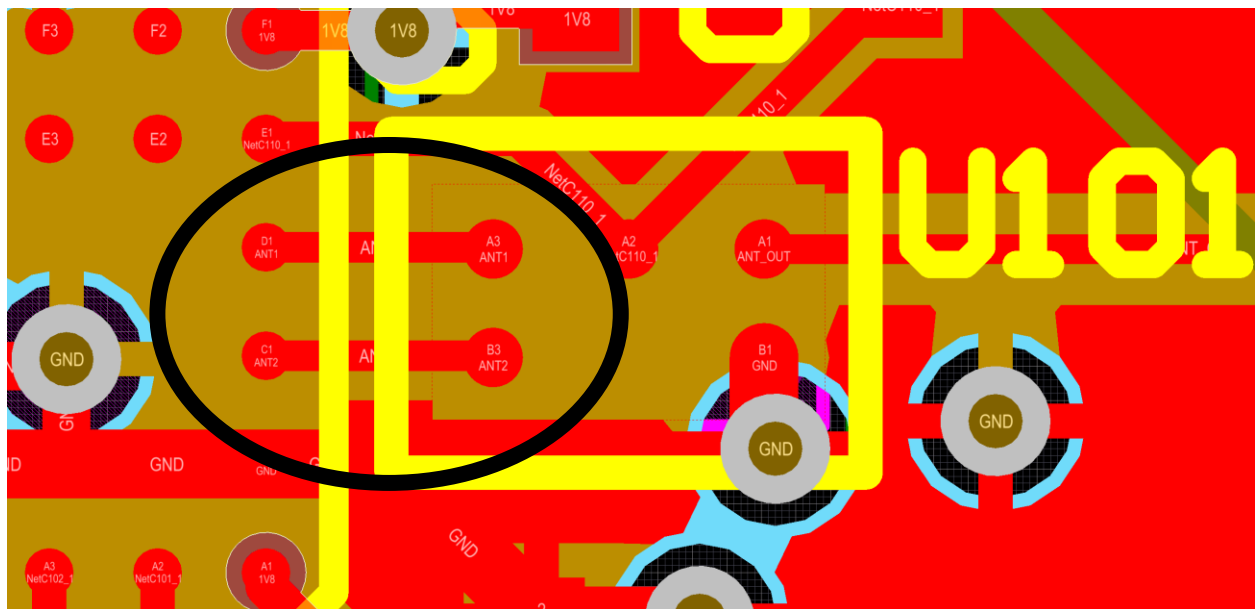


Fig. 1: Diff-pair route

Single Nets:

ANT_OUT (Val: 50ohms)
Coord: (340, 220) in mil

ANT_MATCH (Val: 50ohms)
Coord: (379, 126) in mil

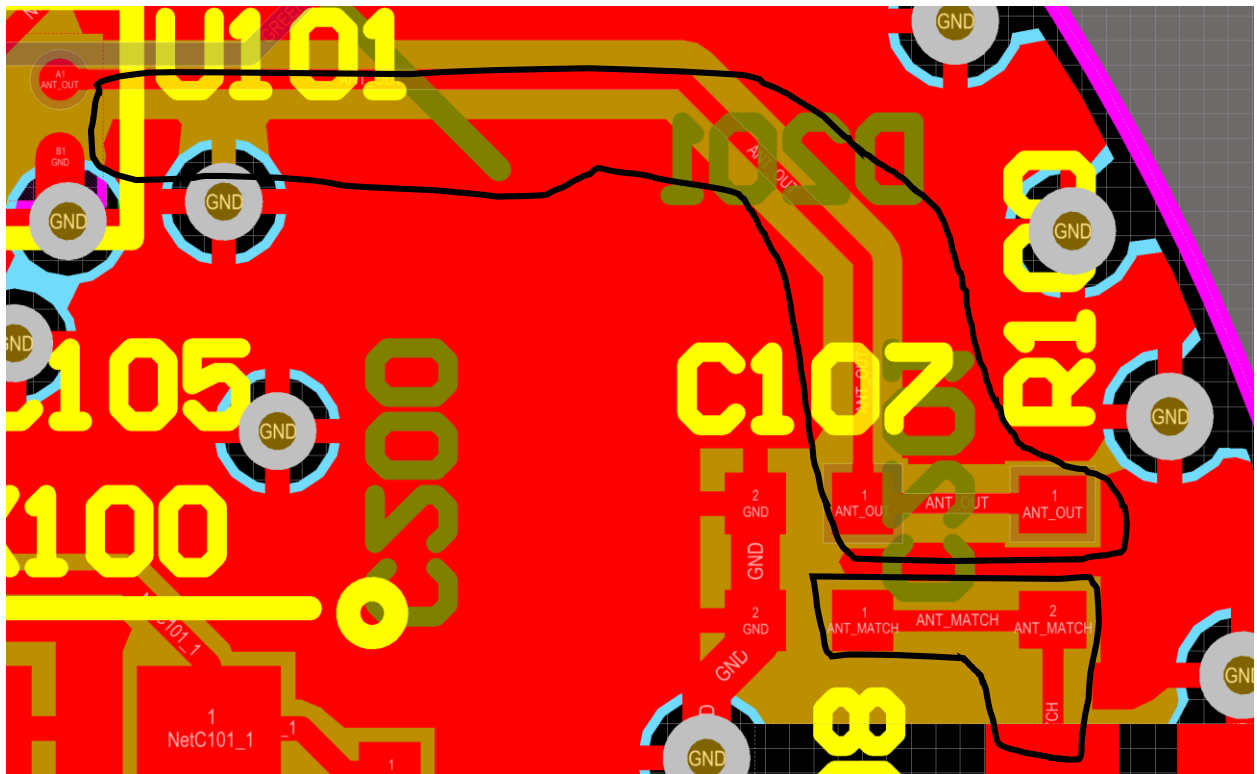


Fig. 2: Single 50ohm traces