JWB-001_README.PDF

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

Quantity: 10
Delivery: Standard
Shipping address:

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

Design contacts:
Sangeet Dandona
Mobile: (909) 282-2819
Scott Davison
Mobile: (215) 316-2509

```
Part Number----------------------: JWB-001
Revision--------------------------: 3.7
Board size------------------------: 0.94488" x 0.94488"
Board Thickness-------------------: 0.036"
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	1.4		
Core 1	Dielectric	Prepreg	6	FR-4	4.5
Layer 2	Signal	Copper	0.7		
Core 2	Dielectric	Core	19	FR-4	4.5
Layer 3	Signal	Copper	0.7		
Core 3	Dielectric	Prepreg	6	FR-4	4.5
Bottom	Signal	Copper	1.4		
Bottom Solder	Solder Mask/Coverlay	SurfaceMaterial	0.4	Solder Resist	3.5
Bottom Overlay	Overlay				

Request Impedance Control on the following nets:

Differntial Nets:

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

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

Zo_diff = 50ohms

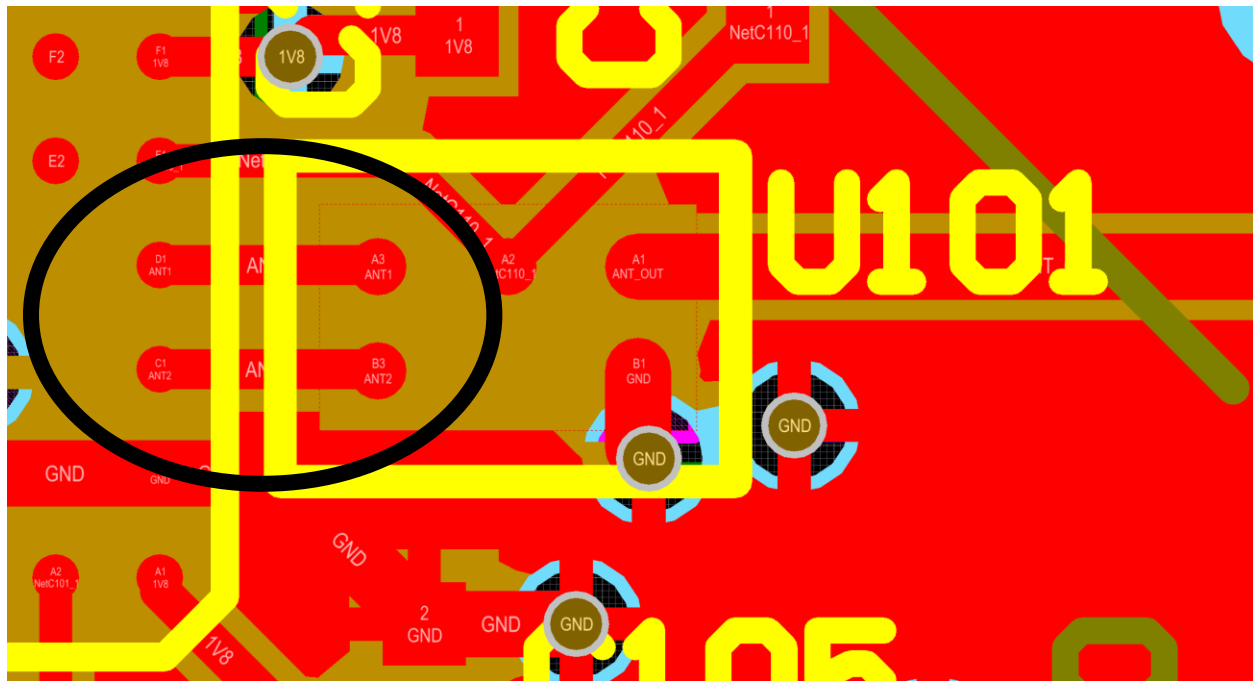Fig. 1: Diff-pair route

Single Nets:

ANT_OUT (Val: 50ohms)
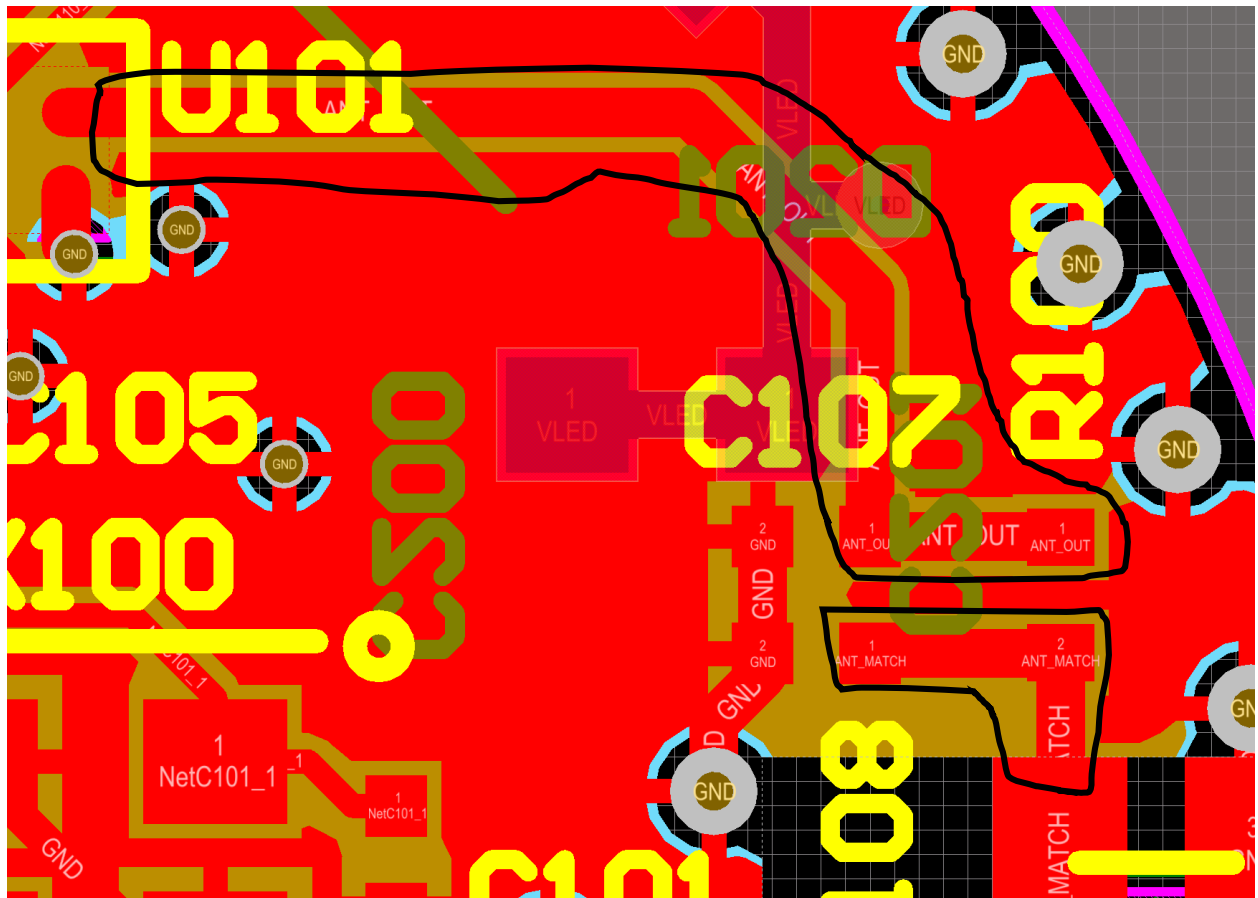Coord: (344, 216) in mil

ANT_MATCH (Val: 50ohms)
Coord: (380, 125) in mil

Fig. 2: Single 50ohm traces