Fabrication Notes

Stackup:

Designed for CircuitHub Std Fab: 4-Layer, 0.6mm

Order 1:		Copper				CuWgt(oz) 1oz
2:	Route2	Copper FR4		4.6		10z
3:	Route15	Copper 2116	Pwr/Gnd Prepred		0.12 0.12	1oz
4:	Bottom	Copper			0.035	1oz

Impedence Control

One 50Ω trace for 2.4 GHz (Bluetooth)
- Routed as coplanar wave, params:
- Conductor Width = 8 mil
- Conductor Height = 4.725 mil [0.12mm]

- Er=4.5 Modeled Z ~= 50.1 Ω

Trace U1-L3-L4-S4-P15(Castellation)

XXX IGNORE FOR REV-K; UNUSED XXX

One 900 differential pair USB PHY
- Routed as edge-coupled external
- Conductor Width = 6 mil
- Conductor Spacing = 12 mil
- Conductor Height = 4.725 mil [0.12mm]
- Er=4.5

- - Modeled Zdiff $\sim=$ 90.05 Ω

Traces U1-P20, P21(Castellations)

XXX IGNORE FOR REV-K ; UNUSED XXX

