



U.S. CIRCUIT

The Future of
circuit board technology

Customer: CONCISYS
Part No: 9914EE03 REV. B

U.S. Circuit Cat#: _____
Work Order: TBD

Date: 4/26/2011
Prepared By: Tarun Chavda

Layer #		Cu. Wht.	Design	Estimated	Layer #	Singe-Ended				Differential					
			S / P / M	Thickness		Ref. Plane	Orig. L/W	Fin. L/W	Calc. Imped.	Ref. Plane	Orig. L/W	Orig. Spc	Fin. L/W	Fin. Spc	Calc. Imped.
1	0.5 Ounce Foil + Plating	0.5	SIGNAL	2	1	2	6.3	6.3	48.79						
	Pre-Preg (FR-408)			3.8											
2	0.5 Ounce	0.5	PLANE	0.6	2										
	3 CORE (FR-408)			3											
3	0.5 Ounce	0.5	PLANE	0.6	3										
	Pre-Preg (FR-408)			2.5											
4	0.5 Ounce	0.5	PLANE	0.6	4										
	31 CORE (FR-408)			31											
5	0.5 Ounce	0.5	PLANE	0.6	5										
	Pre-Preg (FR-408)			2.5											
6	0.5 Ounce	0.5	PLANE	0.6	6										
	3 CORE (FR-408)			3											
7	0.5 Ounce	0.5	PLANE	0.6	7										
	Pre-Preg (FR-408)			3.8											
8	0.5 Ounce Foil + Plating	0.5	SIGNAL	2	8	7	6.3	6.3	48.79						

Single-Ended Required Impedance: **50 OHMS**

Differential Required Impedance: _____

Estimated Overall Thickness: 61.2
Required Overall Thickness: 62.0 +/- 10%

Notes: Please confirm this stack-up is acceptable for production.

