



## Impedance Model

(Preliminary)

Customer: **CLOUDSHIELD**

Part Number/Rev: 4 LAYERS 600-1129-01

Drawing#

Program:

Date: 6/1/2010

TTM Engineer: **Louie Yeh (714) 327-3077**

TTM Tool #

Material: Isola 370HR

Engineering Dept. Contact.}

[CF: 715-720-5000]

SA: 714-241-0303

**Waivers - Customer approval of stackup includes approval of:**

Notes / Comments:

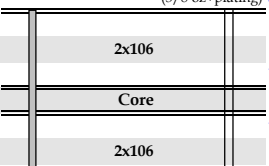
1- Please include approved stackup with final data set.

**TTM Engineering notes:**

**Stack up generated reference to P/N 600-1131-01 Rev A**

No data or drawing provided.

**Thru hole 1-4 to be non-conductive epoxy filled.**

		Starting Dielectric	Est. Thick.	Tolerance	L Y R #	Single Ended Model					L Y R #	Differential Model													
						Org. L/W	A/W L/W	Fin. L/W	Ref. Plane	Calc. Imp.		Org. L/W	Org. space	A/W L/W	A/W space	Fin. L/W	Fin. space	Ref. Plane	Calc. Imp.						
1	S		(3/8 oz+plating) 3/8	=>	2.55		1	6.5		6.5	2	50	1	5	5			5	5.5	2	90				
					=>	4.30																			
2	P			1	=>	1.30																			
					=>	47.00																			
3	P			1	=>	1.30																			
				=>	4.30																				
4	S		(3/8 oz+plating) 3/8		2.55		4	6.5		6.5	3	50	4	5	5			5	5.5	3	90				
Thickness After plating			63.30	not including solder mask					Units			Mils													
Target Thickness			63 +/- 6	over All					Impedance Tolerance			(SE)		+/- 10%		(DIFF)		+/- 10%							