Impedance Model (Preliminary)

TTM CONFIDENTIAL

Customer: SIGNAL LABORATORIES
Part Number/Rev: 14 LAYERS_CS Rev. 1
Drawing#
Program:

Date: 8/3/2016
TTM Engineer: Louie Yeh (714) 327-3077
TTM Tool #
Core Material: Nelco N4000-13EP SI

Engineering Dept. Contact: CF: 715-720-5000
SA: 714-241-0303

Prepreg Material: Nelco N4000-13EP SI

Waivers - Customer approval of stackup includes approval of:

1- Dielectrics have been adjusted to achieve overall board thickness.

Notes / Comments:

1- Please include approved stackup with final data set.

TTM Engineering notes:

Stack up generated ref to customer's email (no drawing or data provided).

		Starting Dielectric	Nominal Thick.	Tolerance	Single Ended Model					Differential Model							
					LYR #	Org. L/W	A/W L/W	Fin. L/W	Ref. Plane	Calc. Imp.	LYR #	Org. L/W	Org. space	A/W L/W	A/W space	Fin. L/W	Fin. space	Ref. Plane	Calc. Imp.
1	S	1/2 oz + Plating H	2.25		1	5		5	2	50	1	4	7			4	7	2	100
					1	8		8	2	40									
		1080	3.00																
2	P	H	0.65																
		Core	3.00																
3	S	H	0.65		3	4.1		4.1	2,4	50	3	4	7			4	7	2,4	100
		2116	4.40		3	6		6	2,4	40									
4	P	H	0.65																
		Core	3.00																
5	S	H	0.65		5	4.1		4.1	4,6	50	5	4	7			4	7	4,6	100
		2116	4.40		5	6		6	4,6	40									
6	P	H	0.65																
		Core	3.00																
7	P	H	0.65																
		2x1080HR	6.35																
8	S	H	0.65		8	4.7		4.7	7,9	50	8	4.4	6.6			4.4	6.6	7,9	100
		Core	3.00		8	7		7	7,9	40									
9	P	H	0.65																
		2116	4.40																
10	S	H	0.65		10	4.1		4.1	9,11	50	10	4	7			4	7	9,11	100
		Core	3.00		10	6		6	9,11	40									
11	P	H	0.65																
		2116	4.40																
12	S	H	0.65		12	4.1		4.1	11,13	50	12	4	7			4	7	11,13	100
		Core	3.00		12	6		6	11,13	40									
13	P	H	0.65																
		1080	3.00																
					14	8		8	13	40									
14	S	1/2 oz + Plating H	2.25		14	5	6	5	13	50	14	4	7			4	7	13	100

Thickness After plating	60.25	not including solder mask	Units: Mils
Target Thickness	62+/-10%	over All	Impedance Tolerance: (SE) +/- 10% (DIFF) +/- 10%