

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	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	1/2 oz + Plating	H	2.25		1	5		5	2	50	1	4	7			4	7	2	100				
		1080																						
2	P	Core	H	0.65																				
		Core																						
3	S	2116	H	0.65	3	4.1		4.1	2,4	50	3	4	7			4	7	2,4	100					
		2116		3	6		6	2,4	40															
4	P	Core	H	0.65																				
		Core																						
5	S	2116	H	0.65	5	4.1		4.1	4,6	50	5	4	7			4	7	4,6	100					
		2116		5	6		6	4,6	40															
6	P	Core	H	0.65																				
		Core																						
7	P	2x1080HR	H	0.65																				
		2x1080HR																						
8	S	Core	H	0.65	8	4.7		4.7	7,9	50	8	4.4	6.6			4.4	6.6	7,9	100					
		Core		8	7		7	7,9	40															
9	P	2116	H	0.65																				
		2116																						
10	S	Core	H	0.65	10	4.1		4.1	9,11	50	10	4	7			4	7	9,11	100					
		Core		10	6		6	9,11	40															
11	P	2116	H	0.65																				
		2116																						
12	S	Core	H	0.65	12	4.1		4.1	11,13	50	12	4	7			4	7	11,13	100					
		Core		12	6		6	11,13	40															
13	P	1080	H	0.65																				
		1080																						
14	S	1/2 oz + Plating	H	2.25		14	5		8	13	40	14	4	7			4	7	13	100				
		1/2 oz + Plating		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%										