



Date : 2013/11/11 16:49

P/N :

Layers : LAYER 12

Tg : 180

Layer Name	Plane Description	Remain Copper (%)	reduce after pressed	Material Thickness	finish Thickness	tolerance	Er	Single-end 40ohm		Single-end 50ohm		differential 63ohm		differential 68ohm		differential 80ohm		differential 83ohm		differential 85ohm		differential 90ohm		differential 100ohm		Ref.	
								Impedance	Width	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space	Impedance	Width/Space		Impedance
Layer1	solder mask			0.5				40	7	50	4.5	63	9/5	68	8/6	80	6/7	83	5/5	85	5/5.5	90	5/8	100	4/7	L2	
	Signal			1.4																							
Layer2	PREPREG			2.6	2.6	+/-1	3.65	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L2&L4	
	POW/GND	P	0	1.2																							
Layer3	CORE			4	4	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L4&L6	
	Signal	M	0.5	1.2																							
Layer4	PREPREG			5.4	4.9	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L7&L9	
	POW/GND	P	0	1.2																							
Layer5	CORE			4	4	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L9&L11	
	Signal	M	0.5	1.2																							
Layer6	PREPREG			5.4	4.9	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L12	
	POW/GND	P	0	1.2																							
Layer7	CORE			4	4	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/7	L12	
	POW/GND	P	0	1.2																							
Layer8	PREPREG			5.4	4.9	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L12	
	Signal	M	0.5	1.2																							
Layer9	CORE			4	4	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L12	
	POW/GND	P	0	1.2																							
Layer10	PREPREG			5.4	4.9	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L12	
	Signal	M	0.5	1.2																							
Layer11	CORE			4	4	+/-1	3.85	40	6	50	4	63	8/4	68	8/8	80	5/4.5	83	5/6	85	4/4	90	4/5	100	4/15	L12	
	POW/GND	P	0	1.2																							
Layer12	PREPREG			2.6	2.6	+/-1	3.65	40	7	50	4.5	63	9/5	68	8/6	80	6/7	83	5/5	85	5/5.5	90	5/8	100	4/7	L12	
	Signal			1.4																							
Total Thickness=		1.54	mm	2	62.60	60.60																					