

Layer	Stack up	Description	Type	Processed Thickness	Isolation Distance (Summed)	Copper Coverage	εr	Impedance ID
1		Taiyo PSR 4000BN GREEN	SolderMask	2.000			3.900	
		Copper Foil 12 microns	Copper	1.850		100.000		1, 2, 3, 4, 5, 6
2		Iteq IT180A Prepreg 106 RC71.5	Dielectric	1.848	3.696		3.790	
		Iteq IT180A Prepreg 106 RC71.5	Dielectric	1.848	-		3.790	
3		Iteq IT180A 4 mil core 1/1	FR4	1.260		60.000		
		Iteq IT180A 4 mil core 1/1	FR4	4.000	4.000		4.400	7, 8, 9, 10, 11
4		Iteq IT180A Prepreg 2113 RC58	Dielectric	1.260			4.130	
		Iteq IT180A Prepreg 2113 RC58	Dielectric	3.322	6.644		4.130	
5		Iteq IT180A 5 mil core 1/1	FR4	3.322	-		4.130	
		Iteq IT180A 5 mil core 1/1	FR4	5.000	5.000		4.210	
6		Iteq IT180A Prepreg 2113 RC58	Dielectric	1.260		60.000		
		Iteq IT180A Prepreg 2113 RC58	Dielectric	3.586	9.047		4.130	
7		Iteq IT180A Prepreg 106 RC71.5	Dielectric	1.875	-		3.790	
		Iteq IT180A Prepreg 2113 RC58	Dielectric	3.586	-		4.130	
8		Iteq IT180A 5 mil core 1/1	FR4	1.260		54.000		
		Iteq IT180A 5 mil core 1/1	FR4	5.000	5.000		4.210	
9		Iteq IT180A Prepreg 2113 RC58	Dielectric	1.260		56.000		
		Iteq IT180A Prepreg 2113 RC58	Dielectric	3.297	6.594		4.130	
10		Iteq IT180A Prepreg 2113 RC58	Dielectric	3.297	-		4.130	
		Iteq IT180A 4 mil core 1/1	FR4	1.260		30.000		12, 13, 14, 15, 16
11		Iteq IT180A 4 mil core 1/1	FR4	4.000	4.000		4.400	
		Iteq IT180A 4 mil core 1/1	FR4	1.260		60.000		
12		Iteq IT180A Prepreg 106 RC71.5	Dielectric	1.848	3.696		3.790	
		Iteq IT180A Prepreg 106 RC71.5	Dielectric	1.848	-		3.790	
13		Copper Foil 12 microns	Copper	1.850		100.000		17, 18, 19, 20, 21, 22
		Taiyo PSR 4000BN GREEN	SolderMask	2.000			3.900	

Copper Thickness = 13.779 | Dielectric Thickness = 47.677 | Solder Mask Thickness = 4.000 | Stack Up Thickness = 61.456 | Stack Up Thickness with Soldermask = 65.456