

Super WiFi miniPCI Module					
Layer Purpose	Copper Thickness (mil)	Dielectric um	Thickness mil	Tolerance 10% material	e_r
				PSR-4000BN (semi gloss)	4.5
01 microstrip	1.6			1 oz. copper	
		226.77	5.76	FR406 1080 pre-preg (2.88, 2.88 mil)	3.61
02 ground plane	1.2			1/2 oz. copper	
		314.96	8	Isola FR406 0.008" 1/1 Core	4.04
03 stripline	1.2			1/2 oz. copper	
		207.87	5.28	FR406 1080 pre-preg (2.64, 2.64 mil)	3.61
04 plane	1.2			1/2 oz. copper	
		314.96	8	Isola FR406 0.008" 1/1 Core	4.04
05 stripline	1.2			1/2 oz. copper	
		226.77	5.76	FR406 1080 pre-preg (2.88, 2.88 mill)	3.61
06 power plane	1.6			1 oz. copper	
				PSR-4000BN (semi gloss)	4.5
Subtotal:	8		32.8		
Total:		mills	40.8		4.08
		mm	1.04		0.10

PCI-Express Half-Size Module					
Layer Name	Copper Thickness mil	Dielectric mm	Thickness mil	Material	Dk
				PSR-4000BN (semi gloss)	4.5
01 Top Layer	1.35			1 oz. copper	
		0.13	5.1	Isola FR402 2116 pre-preg (G)	4.25
		0.12	4.7	Isola FR402 2116 pre-preg (D)	4.25
02 InternalPlane1 (GND)	1.35			1 oz. copper	
		0.36	14	Isola FR402 0.014" core	4.25
03 MidLayer1	1.35			1 oz. copper	
		0.12	4.7	Isola FR402 2116 pre-preg (D)	4.25
		0.12	4.7	Isola FR402 2116 pre-preg (D)	4.25
04 InternalPlane2 (.)	1.35			1 oz. copper	
		0.36	14	Isola FR402 0.014" core	4.25
05 MidLayer2	1.35			1 oz. copper	
		0.12	4.7	Isola FR402 2116 pre-preg (D)	4.25
		0.13	5.1	Isola FR402 2116 pre-preg (G)	4.25
06 Bottom Layer	1.35			1 oz. copper	
				PSR-4000BN (semi gloss)	4.5
Subtotal:	8.1		57	+/- 10%	
Total:		mills	65.1		6.51
		mm	1.65		0.17