

Standard PCB Layer Stack Up – 4 to 12 Layer

Pre-Preg Thickness - 1080 = 3.04 mil - 2116 = 4.67 mil - 7628 = 7.68 mil

4 LAYER

Top Layer - 18um Copper Foil (plated to 35um+)
Pre-Preg - 1 x 1080 + 1 x 7628
Layer 2 & 3 - 1.0mm Fr-4 Core with 35um/35um Copper
Pre-Preg - 1 x 1080 + 1 x 7628
Bottom Layer - 18um Copper Foil (plated to 35um+)
1.6mm +/- 10%

6 LAYER

Top Layer - 18um Copper Foil (plated to 35um+)
Pre-Preg - 1 x 1080 + 1 x 7628
Layer 2 & 3 - 0.36mm Fr-4 Core with 35um/35um Copper
Pre-Preg - 1 x 7628
Layer 4 & 5 - 0.36mm Fr-4 Core with 35um/35um Copper
Pre-Preg - 1 x 1080 + 1 x 7628
Bottom Layer - 18um Copper Foil (plated to 35um+)
1.6mm +/- 10%

8 LAYER

Top Layer	- 18um Copper Foil (plated to 35um+)
Pre-Preg	- 2 x 2116
Layer 2 & 3	- 0.15mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 2 x 2116
Layer 4 & 5	- 0.15mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 2 x 2116
Layer 6 & 7	- 0.15mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 2 x 2116
Bottom Layer	- 18um Copper Foil (plated to 35um+)
1.6mm +/- 10%	

10 LAYER

Top Layer	- 18um Copper Foil (plated to 35um+)
Pre-Preg	- 1 x 2116
Layer 2 & 3	- 0.18mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 4 & 5	- 0.21mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 6 & 7	- 0.21mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 8 & 9	- 0.18mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Bottom Layer	- 18um Copper Foil (plated to 35um+)
1.6mm +/- 10%	

12 LAYER

Top Layer	- 18um Copper Foil (plated to 35um+)
Pre-Preg	- 1 x 2116
Layer 2 & 3	- 0.13mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 4 & 5	- 0.13mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 6 & 7	- 0.13mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 8 & 9	- 0.13mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Layer 10 & 11	- 0.13mm Fr-4 Core with 35um/35um Copper
Pre-Preg	- 1 x 2116
Bottom Layer	- 18um Copper Foil (plated to 35um+)

1.6mm +/- 10%