



**TARGET THICKNESS: 0.125"**  
**NUMBER OF LAYERS: 20**

# MULTILAYER PCB CONSTRUCTION SHEET

If there are max thickness requirements beyond +/- .10% overall - non-standard construction should be ordered and notes added.

20 Layer StackUp (0.125") L20-125-1ozHoz		Thickness (inches)
<b>Layer 1</b>	<b>.5 oz foil plated to approximate* thickness 0.0017"</b>	0.0017
Prepreg	Bonding ply (2x2116) Average Dielectric Constant 4.5	0.0084
<b>Layer 2</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 3</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 4</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 5</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 6</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 7</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 8</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 9</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 10</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 11</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 12</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 13</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 14</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 15</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 16</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 17</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x1080) Average Dielectric Constant 4.5	0.0044
<b>Layer 18</b>	<b>1 oz foil thickness</b>	0.0014
Core	Laminate Core Average Dielectric Constant 4.5	0.005
<b>Layer 19</b>	<b>1 oz foil thickness</b>	0.0014
Prepreg	Bonding ply (2x2116) Average Dielectric Constant 4.5	0.0084
<b>Layer 20</b>	<b>.5 oz foil plated to approximate* thickness 0.0017"</b>	0.0017
*Thickness does not include soldermask or surface finish"		<b>0.1239</b>

**NOTES:**