RIGID STACK UP

Rev 001/A

RIGID STACK UP 4 LAYER

Material	Mid Tg FR4 (1.6mm finished thickness)	
Layer	**Material Detail**	
Top Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)
Prepreg	1080 x 2	0.140 mm
L2 Copper	==========	0.035 mm
Core	1.13mm (1/1oz) excluding copper	1.13 mm
L3 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.140 mm
Bottom Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)

Conversions	0.018mm = 18µm = 1/2oz	0.035mm = 35µm = 1oz	0.140mm = 140µm	1.13mm = 1130 µm

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RIGID STACK UP 6 LAYER

Material	Mid Tg FR4 (1.6mm finished thickness)	
Layer	**Material Detail**	
Top Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)
Prepreg	1080 x 2	0.140 mm
L2 Copper	==========	0.035 mm
Core	0.36mm (1/1oz) excluding copper	0.36 mm
L3 Copper	==========	0.035 mm
Prepreg	2116 x 2	0.200 mm
L4 Copper	==========	0.035 mm
Core	0.36mm (1/1oz) excluding copper	0.36 mm
L5 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.140 mm
Bottom Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)

Conversions	0.018mm = 18µm = 1/2oz	0.035mm = 35µm = 1oz	0.36mm = 360µm	0.140mm = 140µm	0.200mm = 200 µm

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RIGID STACK UP 8 LAYER

Material	High Tg FR4 (1.6mm finished thickness)	
Layer	**Material Detail**	
Top Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)
Prepreg	1080 x 2	0.140 mm
L2 Copper	==========	0.035 mm
Core	0.25mm (1/1oz) excluding copper	0.25 mm
L3 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L4 Copper	==========	0.035 mm
Core	0.25mm (1/1oz) excluding copper	0.25 mm
L5 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L6 Copper	==========	0.035 mm
Core	0.25mm (1/1oz) excluding copper	0.25 mm
L7 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.140 mm
Bottom Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)

Conversions	0.018mm = 18µm = 1/2oz	0.035mm = 35µm = 1oz	0.25mm = 250µm	0.120mm = 120µm	0.140mm = 140µm

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RIGID STACK UP 10 LAYER

Material	High Tg FR4 (1.6mm finished thickness)	
Layer	**Material Detail**	
Top Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)
Prepreg	1080 x 2	0.140 mm
L2 Copper	==========	0.035 mm
Core	0.15mm (1/1oz) excluding copper	0.15 mm
L3 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L4 Copper	==========	0.035 mm
Core	0.15mm (1/1oz) excluding copper	0.15 mm
L5 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L6 Copper	==========	0.035 mm
Core	0.15mm (1/1oz) excluding copper	0.15 mm
L7 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L8 Copper	==========	0.035 mm
Core	0.15mm (1/1oz) excluding copper	0.15 mm
L9 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.140 mm
Bottom Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)

Conversions	0.018mm = 18µm = 1/2oz	0.035mm = 35µm = 1oz	0.15mm = 150µm	0.120mm = 120µm	0.140mm = 140µm

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RIGID STACK UP 12 LAYER

Material	High Tg FR4 (1.6mm finished thickness)	
Layer	**Material Detail**	
Top Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)
Prepreg	1080 x 2	0.140 mm
L2 Copper	==========	0.035 mm
Core	0.76 mm (1/1oz) excluding copper	0.76 mm
L3 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L4 Copper	==========	0.035 mm
Core	0.76 mm (1/1oz) excluding copper	0.76 mm
L5 Copper		0.035 mm
Prepreg	1080 x 2	0.120 mm
L6 Copper	==========	0.035 mm
Core	0.76 mm (1/1oz) excluding copper	0.076 mm
L7 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L8 Copper	==========	0.035 mm
Core	0.76 mm (1/1oz) excluding copper	0.076 mm
L9 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.120 mm
L10 Copper	==========	0.035 mm
Core	0.76 mm(1/1oz) excluding copper	0.076 mm
L11 Copper	==========	0.035 mm
Prepreg	1080 x 2	0.140 mm
Bottom Copper	==========	0.018mm + Plating (Finished Copper 0.035mm)

Conversions	0.018mm = 18µm = 1/2oz	0.035mm = 35µm = 1oz	0.076mm = 76µm	0.120mm = 120µm	0.140mm = 140µm

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