



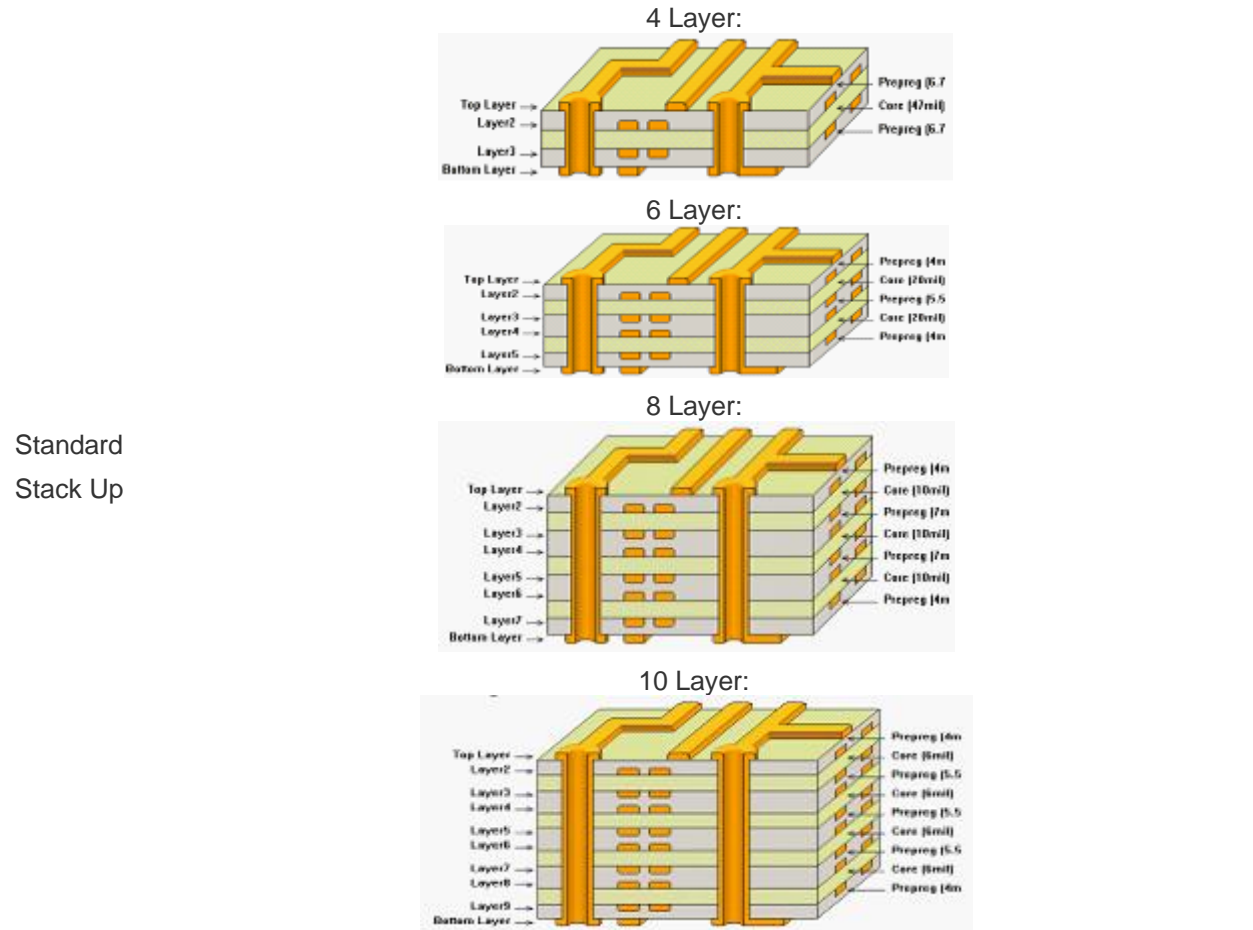
OVERSEAS PRICING, MADE HERE AT HOME

Layer	1 - 20 Layers (FR4, FR406, 370 HR) 1 - 2 Layers (Rogers, Aluminum / Copper Base, Teflon)
Material	FR4, FR406, 370 HR, Rogers 4003, Rogers 4350, Aluminum and Copper base, Teflon
Finish Thickness	Finish Thickness: 0.008" - 0.275" (0.2mm - 7mm)
Min Thickness	2 Layer: 0.008" (0.2mm) 4 Layer: 0.016" (0.4mm) 6 Layer: 0.024" (0.6mm) 8 Layer: 0.032" (0.8mm) 10 Layer: 0.04"(1mm) More than 10 layers (0.5 x "number of layers" x 0.008")
Surface Finishing	Lead Finishing: HASL, HASL + Gold Fingers Lead Free Finishing: Lead Free HASL, ENG Gold, OSP, Immersion silver
Special Process	Impedance board (request as± 10%) High TG / halogen - free / halogen - free & High TG board
Max / Min Board Size	1 - 2 Layers Max: 59" x 50" / Min: 0.2" x 0.2" 4 - 6 Layers Max: 32" x 28" / Min: 0.4" x 0.4" 8 - Layers Max: 30" x 24" / Min: 0.4" x 0.4"

	Inner Layers (trace width/clearance)	Outer Layers (trace width/clearance)
Min Trace Width / Min Clearance	0.5oz: 4/4mil 1oz: 5/5mil 2oz: 5/7mil 3oz: 7/8mil 4oz: 10/10mil 5oz: 12/12mil 6oz: 15/12mil	1/3oz - H0.5oz: 4/4mil 1oz: 5/5mil 2oz: 5/7mil 3oz: 7/8mil 4oz: 10/10mil 5oz: 12/12mil 6oz: 15/12mil

	10:1	
Aspect Ratio	Board Thickness	Min Hole Size
	8mil - 62mil	6mil
	80mil	8mil
	93mil	9mil
	125mil	12mil

	Inner:	Outer:
Min Hole Ring	0.5oz: 5mil	1/3oz - 0.5oz: 4mil
	1oz: 6mil	1oz: 5mil
	2oz: 8mil	2oz: 7mil
	3oz: 12mil	3oz: 10mil
	4oz: 15mil	4oz: 16mil
	5oz: 18mil	5oz: 18mil
	6oz: 20mil	6oz: 20mil
Copper Thickness	Inner: H0.5oz, 1oz, 2oz, 3oz, 4oz, 5oz, 6oz Outer: 1/3oz, 0.5oz, 1oz, 2oz, 3oz, 4oz, 5oz, 6oz	



Min Hole Size and Tolerance	Min Finish Hole: 6mil Hole Tolerance: ±3mil	
	HASL:	
	Copper Thickness: 20um - 35um	Tin 5 - 20um
	Immersion Gold:	
	Nickel 100u" - 200u"	Gold 2u" - 4u"
	Hard Plated Gold:	
	Nickel 100u" - 200u"	Gold 4u" - 8u"
	Golden Finger:	
Thickness of Plating Layer	Nickel : 100u" - 200u"	Gold : 5u" - 15u"
	Immersion Silver: 6u" - 12u"	
	OSP: Film 8u" - 20u"	
Solder Mask Color	Glossy: Green, Black, Red, Yellow, White, Purple, Blue Matt: Green, Black	
Solder Mask Resolution	Solder Mask Thickness:	0.2mil - 1.6mil
	Solder Dam:	Green 4mil / Other Color 5mil
	Solder Mask Hole Plug Diameter:	10mil - 25mil
Silkscreen Color	Yellow, Red, Black, White	
Profile	Punch Tol: ±5mil CNC Tol: ±5mil V-CUT Tol: ±10mil Bevel Edge: ±5mil	Slot Min: 32mil Slot Min: 32mil Angel: 15°, 20°, 30°, 45°, 60°
Bow and Twist	SMT ≤0.75% None SMT ≤1%	
Accept Standard	IPC Class 2; IPC Class 3; ISO9000	