

Features

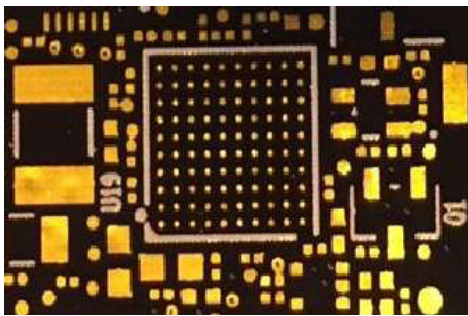
- FR Rigid PCBs
- Single, Double, and Multi-layer boards (up to 48 layers)
- Wide selection of Glass Transition: Tg-140, Tg-150, Tg-170 or Tg-180
- Wide range of finishes: HASL, HASL Lead-free, OSP, Immersion Gold, ENIG, Immersion Tin

Applications

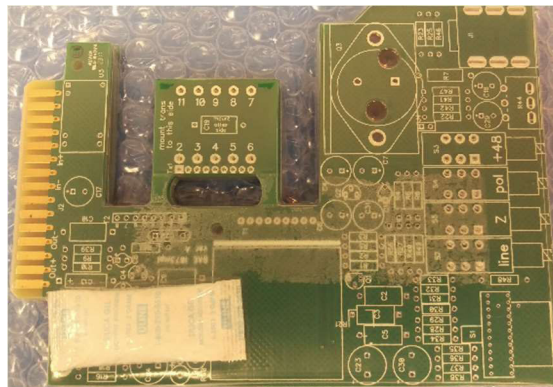
- IPC-6012 Class 2 – Dedicated service electronic products
- IPC-6012 Class 3 – High performance electronic products
- IPC-6012 Class 3A - Space and Military Avionics

Capabilities	Units	Minimum	Typical	Maximum	Remarks
Maximum Layers				1248	
Board Thickness	mm	0.3		5	
Material		Normal-Tg		High-Tg	FR-4, FR5, Halogen Free FR & High Frequency
Copper Thickness - Outer Layer	oz	1/3		6	
Copper Thickness - Inner Layer	oz	0.5		5	
Route Dimensions	mils	5		10	
Trace Layer - Outer Layer L/S	mm	0.05 / 0.05			
Trace Layer - Inner Layer L/S	mm	0.05 / 0.05			
Hole Size - Blind Hole	mm	0.1			
Hole Size - Buried Hole	mm	0.2			
Hole Size - Plated Through Hole (PTH)	mm	0.2			
Hole Tolerance - PTH	mm		±0.075		
Hole Tolerance - NPTH	mm		±0.05%		
Impedance Tolerance			±10%		
PCB Panel Size	Inches		24 x 32		Contact us for other sizes
IPC-A-600 Compliant Boards		Class 2	Class 3	Class 3A	IPC-6012
Surface Finish	OSP, HASL, ENIG, Immersion Gold, Gold Plating/Finger, Immersion Tin, Immersion Silver, Carbon				
Solder Mask Color	Green, Red, Yellow, Blue, Black, White				
UL Certified Boards	UL796 Wiring, Printed-Wiring Boards. UL94 V-0				
Buried copper / Buried vias	Ability to produce designs with buried vias and buried copper				
Gold Finger	Ability to support Gold Finger designs for both long and short				
HDI / High Frequency Board	Ability to produce High Density (HDI) boards and boards designed for high frequency communications				
Panelized	Multiple boards on a panel with V-cut and other breakaway options.				
Production	Ability to take projects from quick turn prototypes to high volume requirements				
Packaging	Vacuum sealed with desiccant and moisture indicator strip where applicable				

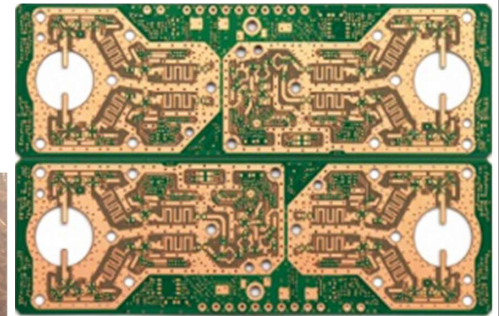
Product Showcase



**HDI / High Density PCB
 PCB Fixture Design Support**



Gold Finger, Through-hole FR4 PCB Vacuum Packaging with Desiccant



**High Frequency RF Materials Wireless PCB
 Designs**