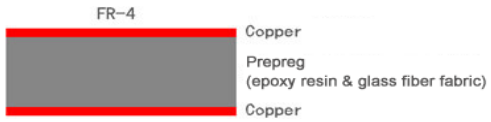
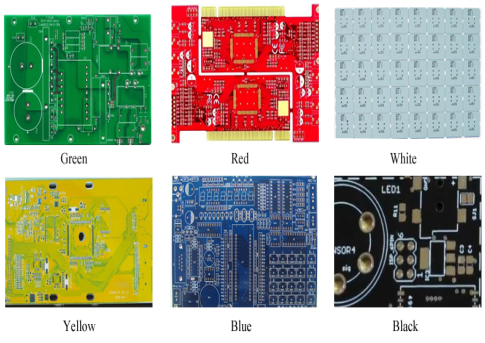
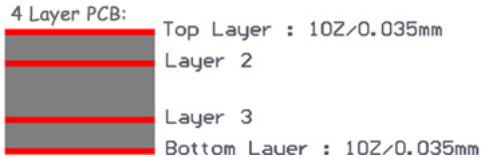
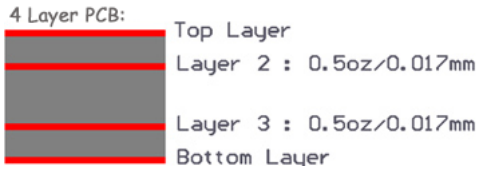
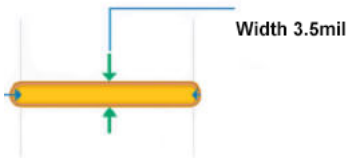
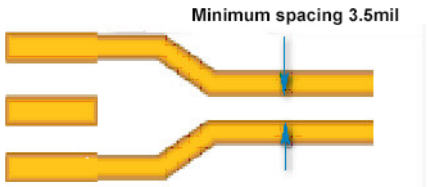
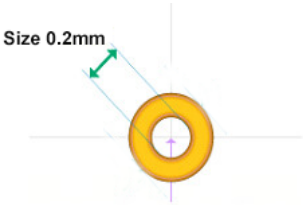
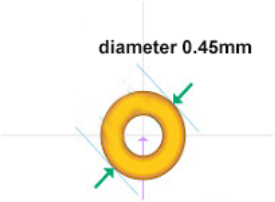
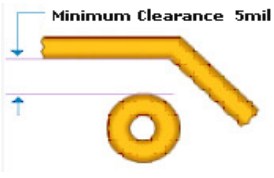
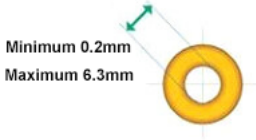
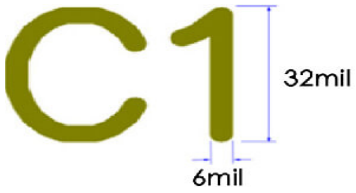
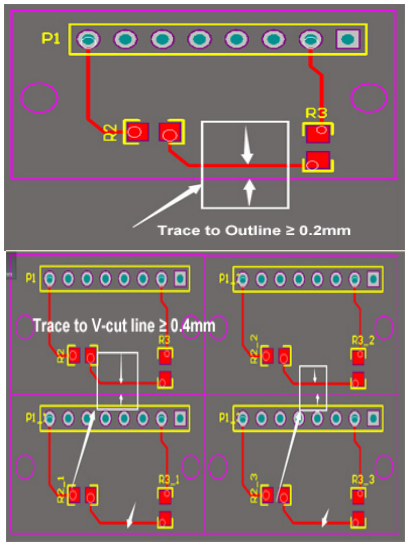
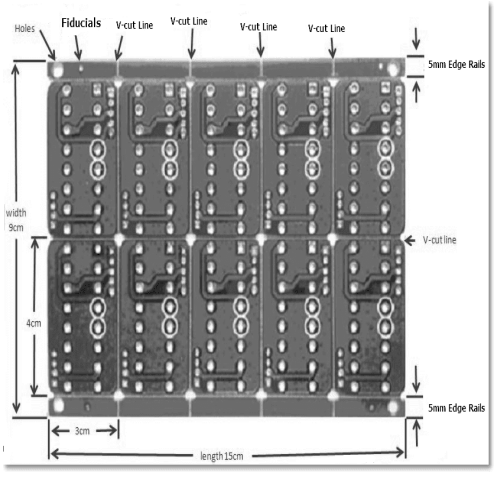
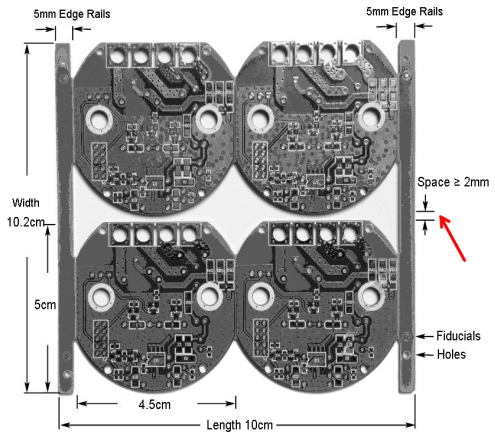
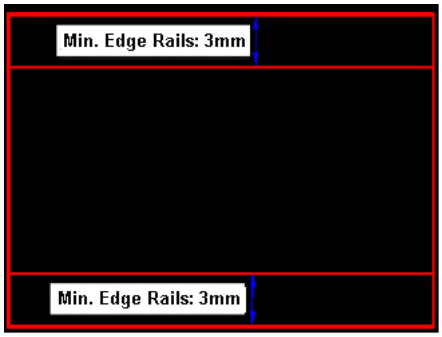
Item	Capability	Details	
Layer	1-6 layer	1-6 copper layers PCB prototypes	
Material	FR-4	FR-4 board material	
Max. Dimension	400x500mm	Maximum dimension is 400x500mm	
Dimension Tolerance (Outline)	±0.2mm	±0.2mm for CNC routing, and ±0.2mm for V-scoring	
Solder Mask	LPI	Liquid Photo-Imageable Solder Mask is the most common mask type.	
Thickness	0.4--2.0mm	0.4/0.6/0.8/1.0/1.2/1.6/2.0mm	
Thickness Tolerance (T≥1.0mm)	± 10%	e.g. For the 1.6mm board thickness, the finished board thickness ranges from 1.44mm(T-1.6×10%) to 1.76mm(T+1.6×10%)	

Thickness Tolerance (T<1.0mm)	± 0.1mm	e.g. For the 0.8mm board thickness, the finished board thickness ranges from 0.7mm(T-0.1) to 0.9mm(T+0.1).	
Finished Outer Layer Copper	1 oz/2 oz (35um/75um)	Finished outer layer copper weight is 1oz or 2oz	
Finished Inner Layer Copper	0.5 oz (17um)	Finished inner layer copper weight is 0.5 oz only	
Min. Trace	3.5mil	For Single&Double Layer PCB, the minimum trace width is 5 mil; For Multi Layer PCB, the minimum trace width is 3.5mil.	
Min. Spacing	3.5mil	For Single&Double Layer PCB, the minimum spacing is 5 mil; For Multi Layer PCB, the minimum spacing is 3.5mil.	
Min. Via hole size	0.2mm	For Single&Double Layer PCB, the minimum via hole size is 0.3mm; For Multi Layer PCB, the minimum via hole size is 0.2mm.	
Min. Via diameter	0.45mm	For Single&Double Layer PCB, the minimum Via diameter is 0.6mm; For Multi Layer PCB, the minimum via diameter is 0.45mm.	
Via To Trace	≥5mil	Minimum distance between via(plated holes) and trace is 5mil.	
Drill Hole Size	0.2--6.3mm	Min. drill size is 0.2mm, Max. drill size is 6.3mm. Any holes greater than 6.3mm will charge extra fee	

Hole Size Tolerance	±0.08mm	e.g. For the 0.6mm hole, the finished hole size between 0.52mm to 0.68mm is acceptable.	
Annular Ring	≥3mil	Annular ring surrounded by traces should be equal to or larger than 3mil	
Min. Character Width	≥6mil	Characters width less than 6mil(0.153mm) will be unidentifiable.	
Min. Character Height	≥32mil	Characters height less than 32mil will be unidentifiable.	
Trace to Outline	≥0.2mm	Ship as individual board(Rounting): Trace to Outline ≥0.2mm; Ship as panel with V-scoring: Trace to V-cut line ≥0.4mm	
Panelization without space	0mm		

Panelization with space	≥2mm	Make sure the space between boards should be ≥2mm, otherwise it will be hard to process for rounting.	
Min. Edge Rails	3mm		
Copper Hatching with Pads	Hatch	We will apply Copper Hatching if your PCBs designed with Pads.	
Slot Drawing with Pads	Outline	Please use Outline to design if there are many non-plated (NPTH) holes.	
Protel/dxp Solder Layer	Solder Layer	Do not mistake the Paste Layer as Solder Layer.	
Protel/dxp Outline Layer	Keepout Layer/Mechanical Layer	Only choose one from Keepout Layer or Mechanical Layer as outline.	
Min. Half Hole Diameter	0.6mm	Half hole is a special technology, so half hole diameter should be greater than 0.6mm.	
Soldermask Bridge/ Blind and buried vias		Soldermask Bridge/Blind and buried vias are not available now	

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