



PCB SPECIFICATIONS FOR STANDARD TECHNOLOGY **ONLINE SPECIALS**

2 layers through 6 Layers, FR4, 0.062" boards, including Solder Mask and Silkscreen			
Brief Description	Standard Technology only. 2 layer, 4 layer, and 6 layer PCBs. Turn Times: 2 days, 3 days, 5 days and 10 days.	Online Pricing Examples	2 Layer, 10 sq", 5 boards for about \$13 each. 4 Layer, 10 sq", 5 boards for about \$32 each.
Material & Board Thickness	FR-4 material, 0.062" thick boards	Surface Finishes	Hot Air Solder Leveling (HASL) Lead-Free HASL (RoHS Compliant)
Maximum Area of Board	Your board area can be up to 100 square inches.	Dimensions allowed	Max Dimension 15.9" Min. Dimension 0.5"
Holes	Up to 75 holes / sq inch allowed.	Hole Sizes	Min. 0.008 inches (8 mils) Finished Hole allowed. Max 0.246 inches (246 mils) Finished Hole. Max 0.250 inches (250 mils) Non-Plated Hole.
Minimum Annular Ring Width	0.005" (5 mils) (Pad diameter must be at least 0.010" more than hole diameter).	Minimum Trace/Space	0.004" (4 mils) minimum trace 0.004" (4 mils) minimum space
Copper Weight	1 oz outer, 0.5 oz inner	Distance between SMT pads	This applies if you have SMT devices on your board. To create proper soldermask dams, we require a minimum 8 mils (0.008") spacing between adjacent SMT pads. Kindly ensure your design has that minimum spacing between SMT pads. If such spacing is not possible, we may gang-relieve the soldermask around those pads.
Solder Mask & Silkscreen	Green LPI on both sides with White silkscreen on top side.	Minimum Quantity	No minimum quantity; even 1 PCB can be ordered.
Routing & Outline Restrictions	Individual Routing expected. No Arrays. Board outline can have up to 8 Notches. Each notch must be at least 100 mils wide. Board can have rounded corners, but radius must be at least 31 mils (0.031"). Note that at least one corner of board must be 90 degrees. Board can have chamfered corners (45 degree chamfers).	Files Needed	Design files in Gerber RS-274X format with Excellon Drill file in ASCII format. OR ODB++ files
Slots & Cutouts			
<ul style="list-style-type: none"> Plated and non-plated slots are allowed. Non-Plated cutouts are allowed. Minimum width for slot/cutout is 24 mils. 		<ul style="list-style-type: none"> Plated cutouts are NOT allowed. Maximum 10 slots/cutouts per board. 	

Optional Features Available for Extra Charges:

- Silkscreen on the 2nd side.
- Electrical Testing is mandatory for boards with 4 layers or more.

How to Order:

1. Log in/register at www.pcbfabexpress.com
2. Get an instant quote by selecting from the available specs/features
3. Place an order using Credit Card (Visa/MC/Amex)
4. Upload your Gerber RS-274X Design files OR ODB++ files

For online quoting and ordering of standard technology **PCB Fabrication with Assembly**, try our online Rapid Prototype Assembly offering at <https://ecommerce.pcbfabexpress.com/rpa>

For more complex technology PCBs/Assembly, please get a CUSTOM QUOTE:

If your boards **do not meet** the above Standard Technology PCB Specifications or if they require **special materials (including Flex), special finishes, Scoring, Tab & Route, UL markings, Special Stackups, Controlled Impedance/Dielectric, ITAR compliance or any other special requirements** or if you need pricing for **production quantities**, please contact us for a **Custom Quote** at www.pcbfabexpress.com/customquote

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