

**EIC PCB Specifications Fall 2016 | Rev A**

The Eic has 3 distinct versions of a PCB (Printed Circuit Board) as follows:

Express – Simple PCBs, turn in 1-2 weekdays

- Single Sided
- 1 Oz Copper
- 0.059" Thick
- 15mil Trace + 10mil Space
- 20mil Minimum Drill Size
- 10mil Minimum Annular Ring
- 2mm Board Edge to Copper Clearance
- No Slots or Internal Cutouts
- Rectangular PCB

Standard – Turn in 5 weekdays

- Double Sided w/ Plated Through Holes
- 1Oz Copper
- 0.059" Thick
- 10mil Trace + 10mil Space
- 15mil Minimum Drill Size
- 8mil Minimum Annular Ring
- 1mm Board Edge to Copper Clearance
- 1mm Minimum Slot Hole Dimension
- Place Internal Cutouts on Board Outline Layer

Advanced – Turn in 7-10 weekdays

- Double Sided w/ Plated Through Holes
- 0.5Oz, 1Oz, and 2Oz Available
- 0.059" Thick (0.020" with 1/2Oz)
- 5mil Trace + 10mil Space
- 15mil Minimum Drill Size
- 8mil Minimum Annular Ring
- 0.5mm Board Edge to Copper Clearance
- 1mm Minimum Slot Hold Dimensions
- Place Internal Cutouts on Board Outline Layer
- *Other PCBs can be reviewed on a case-by-case basis*





Additional Info:

We can print square pads, but NO square holes.

Make sure you use the EIC Prototyping request form, select PCB under type.

Save your file in the designated folder listed in the form. Name it with your team name.

Files Required – Must be in Gerber Format, or an Eagle/Altium Project File

- Top Copper Layer
- Bottom Copper Layer
- Board Outline Layer
- NC Drill File

Students Using Eagle can download a Design Rule file to check PCBs before submittal. A CAM file can also be downloaded to produce the required Gerber files with the proper settings. FAILURE TO PROPERLY SUBMIT FILES WILL DELAY PROCESSING.

Please be advised that effective 1 Jan 2016 all files must be generated using Eagle.

