

Self-Service PCB Lab

To be allowed to access the "Self-Service PCB Lab" you need to follow a training course given by the ACI staff.

- Duration: around 2 hours
- Participants: between 1 -4
- Location: ELE 040

If you have any question or to register to the training please send an email to: pcb@epfl.ch

What you can do

Price of material:

- Private usage: 1.50 CHF per dm²
- EPFL project: free

Material:

- FR4 only

Material thickness:

- 0.1, 0.5, 0.8, 1.6, 2.4

Copper thickness:

- For 0.5: 12 µm and 17 µm
- For 0.1, 0.8, 1.6: 12 µm and 35 µm
- For 1.6: 135 µm
- For 2.4: 17 µm and 35 µm

Plate dimensions:

- Minimum 100 x 150 mm
- Maximum 230 x 280 mm

Drills available:

- 0.6, 0.8, 0.9, 1.0, 1.1, 1.25, 2.0, 2.5 mm

Tracks and space between tracks width:

- 150 μm minimum for a copper thickness between 12 and 35 μm
- 400 μm for a copper thickness of 105 μm

The pad diameter must be 0.6 mm bigger than the hole

Maximum thickness that can be cut with the cutter: 2 mm

Copper finish only

Films

- Digital printing can be done at repro (BP 0 243 - Tél. 34294)
- You need to provide:
 - PDF file
 - Maximum resolution is 2400 dpi but ideal is 1200 dpi
- Ask for a print using Black only and mention it is for PCB.
- Price is 1.05 CHF per A4 film

What you can't do

Metallization (this means that you will have to solder a wire to connect both sides of the PCB)

Any other finishes than copper

Silk-screen

Solder Mask

Complex shape (\neq rectangle)