



"PCB proto" – the PCB prototype service from Eurocircuits

"PCB proto" – the ideal!

Eurocircuits offers its customers a simple, no fuss, fast prototyping service. Your data is analyzed and once we have checked that your data complies with our technical spec, the board goes in production. We ignore the options typically needed for series production (peelable masks, via-filling, specific finish, soldermask colours, etc.) as these are not usually crucial for making a functional prototype. This way we can achieve fast deliveries at attractive prices.

What do you get?

- 2 boards in 5 days - 2 or 4 layers
- Fully-finished with 2 solder-masks and 1 silk-screen
- Lead-free finish (our choice of immersion silver, electroless nickel immersion gold or lead-free HAL)
- FR-4 - RoHS compliant material optimised for lead-free soldering with standard build-up
- special "**PCB proto**" prices
 - For example: 2x 2-layer boards (100 x 160mm) = €49 each
 - 2x 4-layer boards (100 x 160mm) = €99 each
- No tooling charges. No minimum order charge.
- 100% manufacturability check prior to production
- Bonus board
 - To make 2 boards we launch 3. If the third board is good we ship it to you free of charge

How to get prices and place orders?

Log in and go to [Place order](#). Enter number of layers and dimensions and that's it - nothing more. You see the price at once. Attach files and the order is placed.

New user?

Not yet signed up to **Eurocircuits** and our other low-cost online services? Just go to [Sign up](#) and fill in the short form.

How do we keep "PCB proto" prices down?

Eurocircuits are specialist manufacturers of prototype and small batch PCBs. We are experts in order-pooling. Placing different orders on a standard production pooling panel minimizes set-up and production costs so you get good prices and no tooling charges. For "**PCB proto**" we use newly-developed automated design analysis algorithms. These allow us to cut board verification costs and still do 100% check on your data before manufacture to make sure that you get the boards you want.

Number of layers	2, 4
Maximum PCB dimension	425mm x 425mm
Minimum PCB dimension	20mm x 20mm
Base material	FR-4, Td>=325°C, T260>=60', T288>=5', CTEz=<3.7%, Tg>=135°C
Base material thickness	1.55mm
Base copper foil – outer layers	18µm/½oz
Base copper foil – inner layers	35µm/1oz
Surface finish	Lead-free finish at our discretion for best price
Soldermask type/colour	Liquid Photo Imageable - Green
Extra options	None
Legend colour	White (one side only)
Min. track width/spacing	0.150mm
Min. finished hole size	0.25mm
Minimum outer layer pad diameter = finished hole size + listed value	Hole ≤ 0.45mm: 0.350mm Hole ≥ 0.50mm: 0.400mm
Minimum inner layer pad diameter = finished hole size + listed value	Hole ≤ 0.45mm: 0.450mm Hole ≥ 0.50mm: 0.500mm
Minimum copper to board-edge clearance – outer layers	0.250mm (routed)
Minimum copper to board-edge – inner layers	0.400mm (routed)
Slots and cut-outs	2.0mm tool
Delivery panels	2.0mm break-routed
Multilayer-build	Standard
Electrical test	Standard for 4L
UL marking	Available
Stencil material	130µm stainless steel
Maximum stencil size	465 x 465mm