



# "On demand" – your default choice for your PCB from Eurocircuits

## "On demand".

Not all your PCB requirements will fit our pooling services. Therefore we also offer a wide ranging non-pooling service for rigid boards, "On demand". This service offers up to 16-layers with many technological options. Like our other Eurocircuits service the "On demand" service has no tooling charges, no minimum order value and attractive prices for quick turnaround deliveries.

## What do you get?

- Clear and easy menus for fast calculations and price inquiries
- Up to 16 layers, from 1 piece onwards
- Technology down to 0.090mm
- Full choice of materials, copper weights, mask and legend colors, finishes, extra masks, mechanical finishing, build ups, etc...
- FR-4 - RoHS compliant material optimised for lead-free soldering with standard build-up. Rogers RO4000 series for high-frequency applications.
- No tooling charges
- No minimum order charge
- 100% manufacturability check prior to quotation

## How to get prices and place orders?

Log in and go to [Price inquiry](#). Enter your choice of technical specifications in the menus and calculate or simply enter your reference and the desired quantity and delivery term, attach your files and launch an inquiry. We will analyze your data, list remarks when needed and send you a quote within 24H. From the quote you can then launch your order online by simply confirming it. If your PCB meets our Standard service we will quote for that service.

## 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 "On demand" prices down?

Eurocircuits are specialist manufacturers of prototype and small batch PCBs. We are experts in the efficient administration and production of many small orders. This means that we can minimize our set-up and production costs so you get good prices and no tooling charges. We do a 100% check on your data before manufacture to make sure that you get the boards you want.

Number of layers	1, 2, 4, 6, 8, 10, 12, 14, 16
Maximum PCB dimension	On request
Minimum PCB dimension	On request
Base material	FR-4, Tg 135-150-170°C Rogers RO4000 series
Base material thickness	FR-4: 0.3mm – 6.4mm Rogers: on request
Base copper foil – outer layers	12µm, 18µm, 35µm, 70µm & 105µm ½oz, ½oz, 1oz, 2oz & 3 oz
Base copper foil – inner layers	18µm, 35µm, 70 µm & 105µm ½oz, 1oz, 2oz & 3 oz
Surface finish	Lead-free, ENIG, IM Ag, LF HAL, HAL Sn/Pb, IM Sn
Soldermask type/colour	Green, black, blue, red, white, clear
Extra options	Gold fingers, carbon pads, peelable mask, via filling, heat sink paste
Legend colour	White, yellow, black
Min. track width/spacing	0.090mm
Min. finished hole size	0.10mm. Press fit holes
Minimum outer layer pad diameter = finished hole size + listed value	Hole ≤ 0.45: 0.300mm Hole ≥ 0.50: 0.350mm
Minimum inner layer pad diameter = finished hole size + listed value	Hole ≤ 0.45: 0.350mm Hole ≥ 0.50: 0.400mm
Minimum copper to board-edge clearance – outer layers	0.250mm (routed), 0.450mm (V-cut). Copper up to edge. Plated holes on edge. Round-edge plating
Minimum copper to board-edge – inner layers	0.400mm (routed), 0.450mm (V-cut). Copper up to edge. Plated holes on edge. Round-edge plating
Slots and cut-outs	0.5, 0.8, 1.0, 1.2, 1.6, >= 2.0mm tool. Depth routing
Delivery panels	2.0mm break-routed + V-cut
Multilayer-build	Standard and custom options
Electrical test	Standard for ML, option for 1-2L
UL marking	Available
Stencil material	130µm stainless steel
Maximum stencil size	600 x 600mm