



# “TECH” pool – high tech pooling from Eurocircuits

## “TECH pool” – Higher technology order-pooling

As components get smaller designers have to use ever finer tracks, gaps and via holes. Increasingly our customers are finding that they require designs outside the specifications of our “STANDARD pool” service. To meet this need we have created a new higher specification pooling service, “TECH pool”. This offers 100µm technology with all the benefits of an order-pooling service. With the launch of our “TECH pool” service Eurocircuits offers the largest PCB technology spectrum of any online pooling service in Europe.

### What do you get?

- A one page menu for fast ordering of rigid fine-line PCBs
- Up to 8 layers, from 1 piece onwards
- 100µm - 4mil technology boards at pooling prices
- Fully-finished with 2 solder-masks and 1 silk-screen
- Lead-free finish: electroless nickel immersion gold (ENIG or Che Ni/Au)
- FR-4 - RoHS compliant material optimised for lead-free soldering with standard build-up
- No tooling charges
- No minimum order charge
- 100% manufacturability check prior to production
- Direct online price-calculation and ordering

### How to get prices and place orders?

Log in and go to [Place order](#). Enter number of layers, dimensions and delivery term and that's it - nothing more. You see the price at once. Attach files and the order is placed. To choose options open the technical specifications and select what you need.

### 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 “TECH pool” 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. Because of the large numbers of orders we receive daily, we can offer a large number of technological options in our pooling services. We do a 100% check on your data before manufacture to make sure that you get the boards you want.

Number of layers	2, 4, 6, 8
Maximum PCB dimension	410mm x 410mm
Minimum PCB dimension	5mm x 5mm
Base material	FR-4, Td>=325°C, T260>=60', T288>=5', CTEz<3.7%, Tg>=150°C
Base material thickness	1.55mm
Base copper foil – outer layers	12µm/½oz
Base copper foil – inner layers	18µm/½oz
Surface finish	ENIG
Soldermask type/colour	LPI: Green
Extra options	Peelable mask, via filling
Legend colour	White one or both sides
Min. track width/spacing	0.100mm
Min. finished hole size	0.15mm. 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: 0.400mm Hole ≥ 0.50: 0.450mm
Minimum copper to board-edge clearance – outer layers	0.250mm (routed), 0.450mm (V-cut). Copper up to edge. Plated holes on edge
Minimum copper to board-edge – inner layers	0.400mm (routed), 0.450mm (V-cut). Copper up to edge. Plated holes on edge
Slots and cut-outs	0.5, 0.8, 1.0, 1.2, 1.6, >= 2.0mm tool
Delivery panels	2.0mm break-routed + V-cut
Multilayer-build	Standard
Electrical test	Standard
UL marking	Available
Stencil material	130µm stainless steel
Maximum stencil size	600 x 600mm