



# On demand – your default choice for your PCB from MakeMyPCB

## “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 the other MakeMyPCB services “On demand” has no tooling charges, has no minimum order value and has attractive prices for quick turn around deliveries.

## What do you get?

- Clear and easy menus for fast calculations and price inquiries
- Up to 16 layers
- Orders of 1 piece and up
- Technology down to 3.5 mil
- 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
- No tooling charges
- No minimum order charge

## 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 **MakeMyPCB** 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?

MakeMyPCB are specialist manufacturers of prototype and small batch PCBs. We are experts in the efficient administration and production of many small orders. By achieving minimized set-up and production costs 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.

<b>Number of layers</b>	1, 2, 4, 6, 8, 10, 12, 14, 16
<b>Maximum PCB dimension</b>	On request
<b>Minimum PCB dimension</b>	On request
<b>Base material</b>	FR-4, Tg 135-150-170°C Rogers RO4000 series
<b>Base material thickness</b>	FR-4: 0.012” – 0.250” Rogers: on request
<b>Base copper foil – outer layers</b>	½oz, ¾oz, 1oz, 2oz & 3 oz
<b>Base copper foil – inner layers</b>	½oz, 1oz, 2oz & 3 oz
<b>Surface finish</b>	Lead-free, ENIG, IM Ag, LF HAL, HAL Sn/Pb, IM Sn
<b>Soldermask type/color</b>	Green, black, blue, red, white, clear
<b>Extra options</b>	Gold fingers, carbon pads, peelable mask, via filling, heat sink paste
<b>Legend color</b>	White, yellow, black
<b>Min. track width/spacing</b>	3.5mil
<b>Min. finished hole size</b>	0.010”. Press fit holes
<b>Minimum outer layer pad diameter = finished hole size + listed value</b>	Hole ≤ 18mil: 12mil Hole ≥ 20mil: 14mil
<b>Minimum inner layer pad diameter = finished hole size + listed value</b>	Hole ≤ 18mil: 14mil Hole ≥ 20mil: 16mil
<b>Minimum Copper to board-edge clearance – outer layers</b>	10mil (routed), 18mil (V-cut). Copper up to edge. Plated holes on edge. Round-edge plating
<b>Minimum Copper to board-edge – inner layers</b>	16mil (routed), 18mil (V-cut). Copper up to edge. Plated holes on edge. Round-edge plating
<b>Slots and cut-outs</b>	Internal milling with tools from 0.020” upward. Depth routing
<b>Delivery panels</b>	0.079” break-routed + V-cut
<b>Multilayer-build</b>	Custom option
<b>Electrical test</b>	Standard for ML, option for 1-2L
<b>UL marking</b>	Available
<b>Stencil material</b>	130µm stainless steel
<b>Maximum stencil size</b>	23.62” x 23.62”