



# "IMS pool" – Insulated Metal Substrate board pooling from Eurocircuits

## "IMS pool" – order-pooling for Insulated Metal Substrate boards

More and more of our Eurocircuits customers are developing high-intensity LED, power conversion and automotive applications. Increasingly their designs need Insulated Metal Substrate boards for better heat dissipation management. Our response has been to create a new service offering all the benefits of our other order-pooling services for aluminium-backed PCBs. With the launch of our "IMS 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 ALU PCBs
- 1 layer, from 1 piece onwards
- Specially tested materials
- Fully-finished with 1 solder-masks and 1 silk-screen
- Lead-free HAL finish
- Aluminium-backed material optimised for maximum heat-dissipation
- 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 the dimensions and the 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 "IMS 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	1
Maximum PCB dimension	425mm x 425mm
Minimum PCB dimension	5mm x 5mm
Base material	T300>60", Tg135°C, >=1.3W/m-K, <=0.65°C/W, >=8.5kV, 0.58 °C-cm²/W
Base material thickness	ALU 1.5mm, 75µm insulation
Base copper foil – outer layers	35µm/1oz
Base copper foil – inner layers	-
Surface finish	LF HAL
Soldermask type/colour	LPI: White, black
Extra	-
Legend colour	Black, white
Min. track width/spacing	0.150mm
Min. finished hole size	1.00mm
Minimum outer layer pad diameter = finished hole size + listed value	Holes ≥ 1.00: 0.350mm
Minimum inner layer pad diameter = finished hole size + listed value	-
Minimum copper to board-edge clearance – outer layers	0.250mm (routed), 0.450mm (V-cut)
Minimum copper to board-edge – inner layers	-
Slots and cut-outs	2.0mm tool
Delivery panels	2.0mm break-routed + V-cut
Multilayer-build	-
Electrical test	Option
UL marking	Not yet available
Stencil material	130µm stainless steel
Maximum stencil size	600 x 600mm