

Layer by layer as unique
as your applications.

PCB SOLUTIONS BY ETRONICS

Five excellent reasons to purchase your PCBs at etronics.



QUALITY IS OUR UTMOST PRIORITY.

Our products are produced to the highest standard. Quality is the constant focus at every stage of production and is ensured using suitable trials and tests. We produce according to IPC norms. All factories are UL approved.



WE WORK EXCLUSIVELY WITH PROFESSIONALS.

Partnership requires trust. For that reason we implement a stringent selection process. Our engineers examine the PCB design and propose options for improved production and reliability.



RAPID DEVELOPMENT AND PRODUCTION TIMES.

We create prototypes for you at short notice and hence contribute to a short development time. In this way the entire product development period is reduced.



PRACTICE MAKES PERFECT.

Our expertise is based on experience. We have been developing and manufacturing PCBs for more than 20 years and we know what we have to pay attention to.



EXCELENT VALUE FOR MONEY.

We can offer our partners good terms due to large production volumes.

A host of possibilities under one roof.

At etronics we think of PCB as a microcosm of possibilities. Developing and manufacturing them for you is our passion as well as our strength. The sky is the limit in terms of size, shape, material and surface. We can offer customized cores, specific manufacturing techniques and sophisticated fine pitch technology with ease.

The ideal basis for any application.

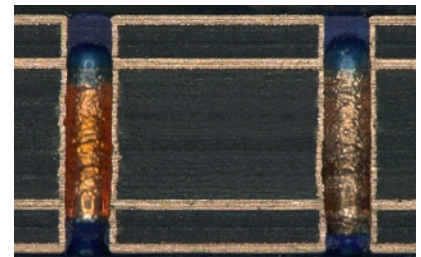
You can benefit from the variety. etronics offers a wide range of basic materials for PCBs:

- **FR-4**
(TG 135-200, halogen free)
- **CEM-3**
(Composite Epoxy Material)
- **Aluminum**
- **Micro Wave & RF**

- **Teflon**
(Arlon, Roger)

- **Ceramic**
- **Polyimid**

Specialized processes and PCBs such as HDI, BVH and VIP are also available.



4 layer FR-4 PCB with an immersion gold-nickel finish and a blue pealable solder mask.

In great shape regardless of the dimensions.

It is all up to you: More specialized shapes (circular / multi-sided), Starrflex or flexible PCBs are no problem for us.

Max. layer count:	50	Max. board thickness:	7.11mm
Max. board size:	530mm x 760mm	Copper inner layer thickness:	17µm to 350µm
Min. board thickness:	0.406mm	Copper outer layer thickness:	17µm to 560µm

There is a method to durable protection.

Surface protection ensures that the PCBs can be soldered throughout the entire storage period and assembly process. The following methods are at your disposal:

- **Nickel / gold for soldering or gluing** (immersion gold)
- **Hot-air levelling** (lead-free)
- **Gold for bonding**
- **Tin / lead plating and reflowing**
- **Immersion silver**
- **Immersion tin**
- **Solder mask** (green, blue, black, red & white)
- **Peelable solder mask**
- **Kapton tape**
- **Organic surface protection** (OSP)
- **Screen-printed carbon paste**

Drilled with absolute precision.

Drilling holes in PCBs is a high precision job. We pay particular attention that...

...the product can be soldered easily.

...no glass fibres are exposed.

...the offset between layers never exceeds 0.102mm.

Precision of drilling-hole:

+/-0.051mm

Tolerances (non-plated hole size):

+/-0.025 to +/-0.051mm

Tolerances (plated hole size):

+/-0.051mm

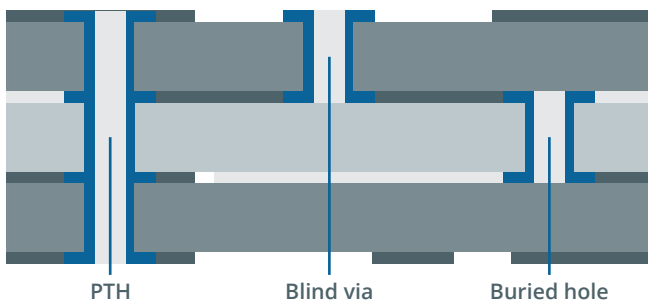
Minimum through-hole (mechanical drill):

0.102mm

Minimum through-hole (laser drill):

0.076 mm

Blind vias and buried holes are possible



PTH

Blind via

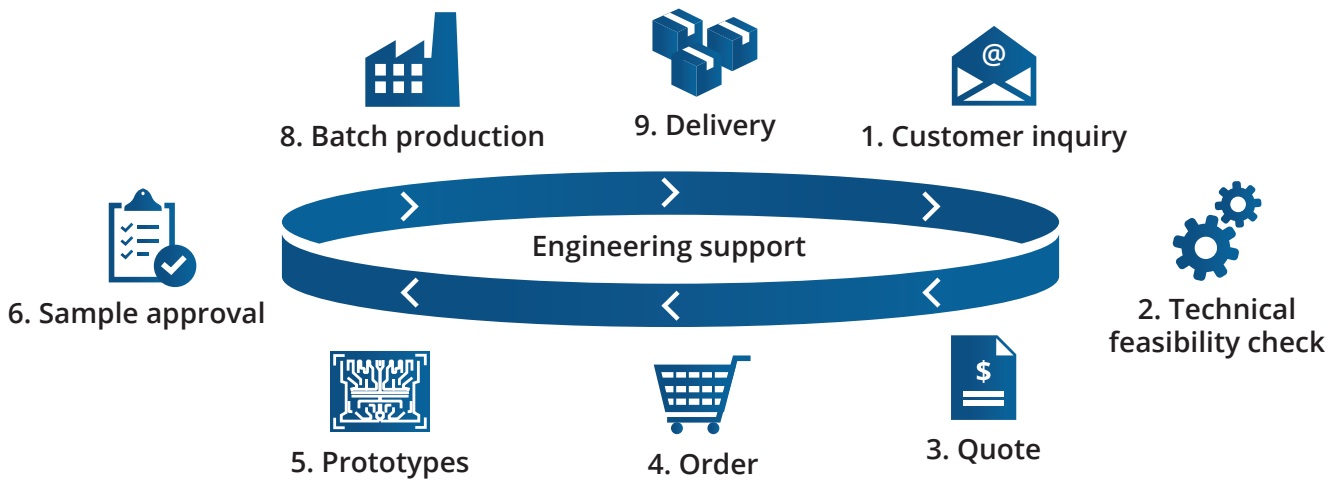
Buried hole

Cooperation is the way to go. Especially with us.

Close cooperation with our partners is of key importance. And it is our impulse to reward customer loyalty. And not just with service and quality, but also by absorbing the initial costs for orders with a contract value in excess of 15,000 USD.

If required, we are in a position to take over the entire PCB purchase. Should this be the case, we join your purchasing department and you are guaranteed pricing transparency. Based on your size of your order, we agree on a fixed net margin.

A NEAT PIECE OF WORK: PROFESSIONAL HANDLING.



Comprehensive service. For comprehensive satisfaction.

We have been providing our customers with PCB solutions since 1995 and have a long-term certified partner network in Asia and Switzerland. We are pleased to offer you a comprehensive package in collaboration with our Swiss partners. From PCB design to PCB production to fitting and even to an external quality check.

The expertise of over 100 engineers is at your disposal at etronics. Not only do you benefit from an excellent product but also from a comprehensive service package for all your PCB needs.



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