



# PCB Manufacturing Capabilities

We source our PCB's from a range of approved fabricators both in the UK and offshore. This enables us to provide boards from 24hrs from UK suppliers, to volume batches from partners in the Far East.

## Data formats accepted

- All Gerber
- ODB++
- HPGL
- DXF

## Laminates

- FR4
- Paper Phenolic
- CEM
- Polyamide
- PTFE
- Rogers
- Duroid
- Metal core  
Copper weights  
from 9µm to >2oz

## PCB Types

- Single sided
- Double sided -  
Conventional
- Plated Through Hole
- Multilayer
- Flexible
- Flexirigid

## Technologies

- Buried vias
- Blind vias
- Copper filled Vias
- Resin filled Vias
- Impedance control
- High aspect ratio  
plating

## Maximum layer count

- 32 Layers

## Profile

- Routed
- 'V' Scored
- Punched

## Solder Resists

(various colours)

- Photoimageable
- Two pack
- U.V.
- Dry Film  
(via tenting)
- Peelable

## Component reference / Ident (various colours)

- Photoimageable
- UV
- Two Pack

## Surface Finishes

- Pb free Hot air solder level (HASL)
- Pb Hot air solder level (HASL)
- Electroless Nickel/ Gold (ENIG)
- Hard gold (Edge connectors)
- Pure gold (Wire bonding)
- Immersion Silver
- Immersion Tin
- Organic
- Carbon Ink

## Tolerances Maximum and minimum

Track and gap	Min 0.075mm
Hole size	Min 0.050mm
PCB size	Max 600mm
PCB thickness	Max 5.5mm

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