

Camtech PCB Design

Designers of multilayer printed circuit boards

Serving the local electronics community

Supplier of CAD library parts to IPC-7351

High speed logic DDR2 & DDR3 designs

RF controlled impedance designs

Talk to us about:

High density micro BGA product designs

Consumer / Industrial power supply designs

Signal time domain analysis

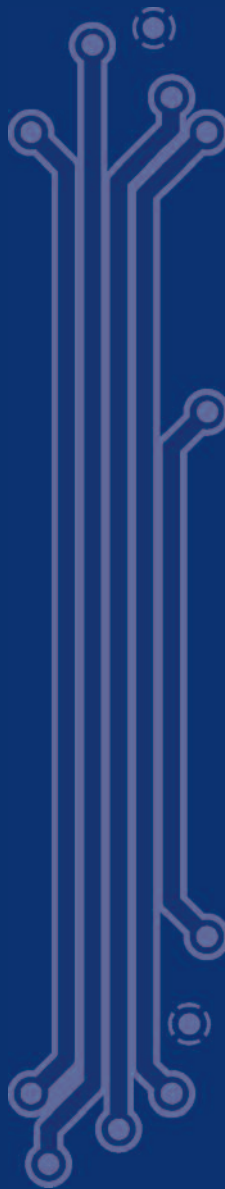
Thermal analysis

Microstrip / stripline PCB design

Design for manufacture

Libraries for DX Designer, PADS Logic and PADS Layout

Board procurement and prototype assembly



If you would like more information about how our PCB design solutions could support your business, please do not hesitate to contact us.

**Mentor
Graphics**



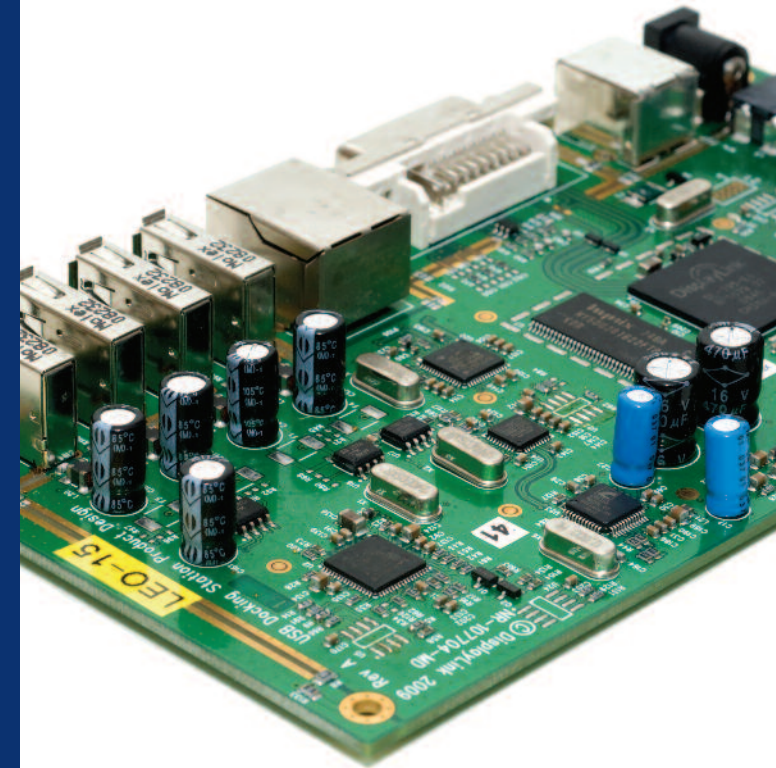
Camtech PCB Design

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Schematic capture to product realisation...

SCHEMATIC CREATION

- Created from client specification or we can accept netlists output from a range of CAD systems.
- Schematics supplied as interactive intelligent PDF's enabling net and bus connectivity on hierarchal schematics, including component attributes, to be easily navigated using Adobe Acrobat™.

LIBRARY MANAGEMENT

- Fully audited parts for PADS Logic / PADS layout / DX Designer
- Supplied to remove the burden of library management for our clients.
- Extensive library database of surface mount parts.
- Library parts meet IPC-7351 land pattern standards or manufacturers recommended land patterns enabling traceability to recognised standards.

PCB DESIGN

- Component placing and routing carried out by experienced designers to provide optimal layout for high-speed logic and high frequency RF designs.
- PCB's designed to meet manufacturing industry standard IPC-2221A.
- High-density micro BGA designs speedily routed using PADS multilevel autorouter.
 - CAD fabrication data supplied as Gerber's, NC drill files, manufacturing drawing, neutral file, assembly drawings, schematics and BOM's (bill of materials).
 - Support for numerous surface mount pick and place production machines and IPC-D-356A netlist extraction for bare board testing.
 - Consultancy on circuit design and design for manufacturing to eliminate costly prototype re-spins and increase the speed of getting your product to market.

Camtech PCB Design in action



Client:

Cambridge Temperature Concepts

Product:

DuoFertility – an accurate, reliable and convenient wireless fertility monitor



as small as a 5 pence piece!

Client testimonial:

"Camtech have provided the PCB layout service for our wireless medical temperature sensing product, yielding a compact design with first-time pass of all EMC/EMI tests. They have consistently gone above and beyond the call of duty in providing advice and experience in many aspects of the project."

Dr Shamus Husheer C.E.O. Cambridge Temperature Concepts

Camtech involvement:

Schematic creation, library management and design of both wireless sensor and handheld reader printed circuit boards from initial prototypes through to final production.

Assisted with design for test and manufacture of production test assemblies.

