



PRINTED CIRCUIT BOARD DESIGN SERVICES

What to look for from your PCB Design Partner

Experience

Our PCB designers have completed over 800 designs for markets just like yours – medical devices, portable instrumentation, audio, video, consumer products, telecom, networking, aerospace, embedded computing, and industrial control. Clarity Design can provide references from our many long-term customers. We’re ready for your design!

Tools & Standards

Clarity Design uses the powerful and popular PADS software from Mentor Graphics for PCB design and rules checking, as well as Mentor Graphics Expedition, and Altium Designer. CAM350 from Downstream Technologies is used for post-processing, along with AutoCAD and Adobe Acrobat for generating fabrication and assembly drawings in a wide variety of formats. Our PCB designers follow the IPC standards and work closely with your board vendor, resulting in high-yield PCBs. We have PCB designers with IPC Advanced PCB Certification (C.I.D.+).

Technology

We’ve designed boards with the full spectrum of technologies – low-noise analog, high-speed digital, mixed analog/digital, controlled impedance, differential pairs, matched trace lengths, DDR memory, microvias, power, RF using FR4 and Rogers laminates, and flex.

Delivery & Pricing

Our experience, tools, and extensive parts libraries help us to deliver your project on time and within budget.

Clarity Design offers all that and more!

Electrical Engineering Expertise

Ensure overall design integrity, shortentime-to-market

Design for Fabrication, Manufacturing, & Testing

Improve yields, lower costs

Bill of Materials Risk Assessment

Increase product life, reduce revisions

Quickturn Boards & Assembly

Get working prototypes quickly

Domestic & Off-Shore Boards & Assembly

Seamless transition from prototype to production



CONCEPT

System Architecture
Technology Survey
Risk/Reward Analysis
Algorithm Development

DESIGN

ARM, DSP, FPGA Design
Low-Power Portable Devices
RF & Antenna Design
Linux, CE, VxWorks

PROTOTYPE

Purchasing & Kitting
PCB Fabrication
Quick-Turn Assembly
Programming & Testing

PRODUCTION

Medium-to-High Volume
Test Procedure Development
Test Fixture Design & Fab
Sustaining Engineering

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