



PCB Design Services

PCB Design Services

- PCB Layout Design and Analysis
- Schematics Capture, Design, and Analysis
- PCB Library Creation and Management
- Power Integrity Analysis
- DfX analysis

PCB Tools Expertise

PCB Layout Tools

- Cadence Allegro
- Mentor PADS, Board Station
- Expedition
- Altium

Schematic Entry Tools

- Concept HDL
- Orcad Capture
- Design Architect

Signal Integrity

- Allegro SI Expert

CAM Tools

- CAM 350
- Valor Enterprise 3000

Mechanical Tools

- Pro-E
- Solidworks
- Catia

PCB Design Experiences

Highly Dense and Complex PCBs

- Up to 34 layer PCB designs
- Boards w/micro, blind and buried vias
- High Frequency board routing (10Gbps)
- High Placement Density boards
- High component count :>7000 comp
- High Pin Density (> 465 pins/ sq in)
- High Pin count BGAs : 2809 pins
- PCBs for Mobile Applications (HDI)

High-Speed Digital Designs

- 40Gbps Router / Switch applications

Analog Designs

- Low power mixed signal designs for implantable devices

RF Designs

- WLAN (2.5GHz, 5 GHz)
- Feed forward amplifiers
- Power amplifiers (850 to 2100 MHz)

Compliance Engineering

- Design for EMI / EMC Safety Compliance

Signal Integrity & EMI

- Pre-route, Post Route SI analysis
- Cross talk analysis
- Board Level EMI analysis