



# PCB Design Services

Accelerating Innovative Solutions

## PCB Design Services

- PCB Layout
  - Digital, Analog, RF, High Voltage
  - Controlled Impedance and Matched Lengths
  - High Density, Microvias, Blind/Buried Vias
  - Buried Capacitance and Resistance
  - Flex and Rigid-Flex Circuits
  - Power Supplies, Heavy Copper
  - Mechanical Solid Model Interface, to check Component "Z" Axis Interference
  - Complete Documentation and Data Files to match your standards
- Constraint Management
- Library Development and Maintenance
  - PCB Footprints, Schematic Symbols, Schematic Database Management
- Schematic Capture
- Database Translations
- DFX Analysis (DFM, DFA, DFT, etc.)
- Comprehensive Checking & Validation
- Fabrication and Assembly Consulting
- Pre-prototype through Volume Production

## Development Tools

- PCB Layout
  - Cadence Allegro
  - Mentor Expedition Pinnacle
  - Mentor PADS Layout
  - Altium Designer
  - Netlist Interface (with most front-end tools into Allegro)
- Auto-Routing
  - Cadence SPECCTRA (Allegro Router)
  - Mentor VeriBest Autorouter
  - PADS BlazeRouter
- Schematic Capture
  - OrCAD Capture
  - Cadence ConceptHDL
  - Mentor DxDesigner
  - PADS PowerLogic
  - Altium Designer