

PCB Design Services

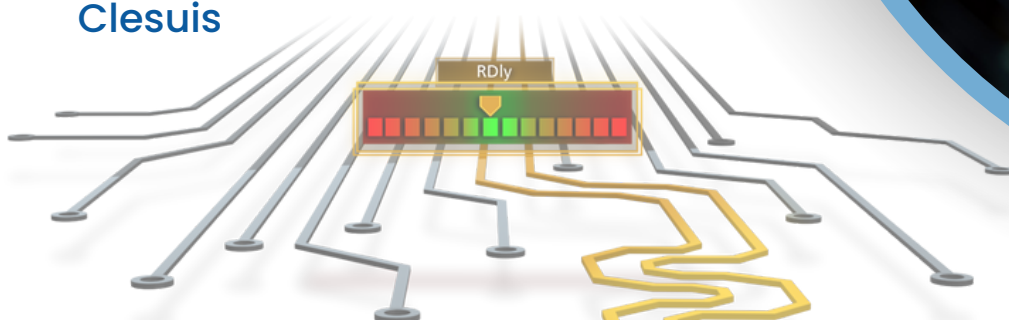
-Bring Your Boards To Life with Quality & Reliability

About us

Crafronics has emerged on the corporate horizon as a professional & technical support company focused to build next generation distribution and value-added partnership company representing world's best high-end electronics technology solutions for Indian Semiconductors and ESDM Industry.

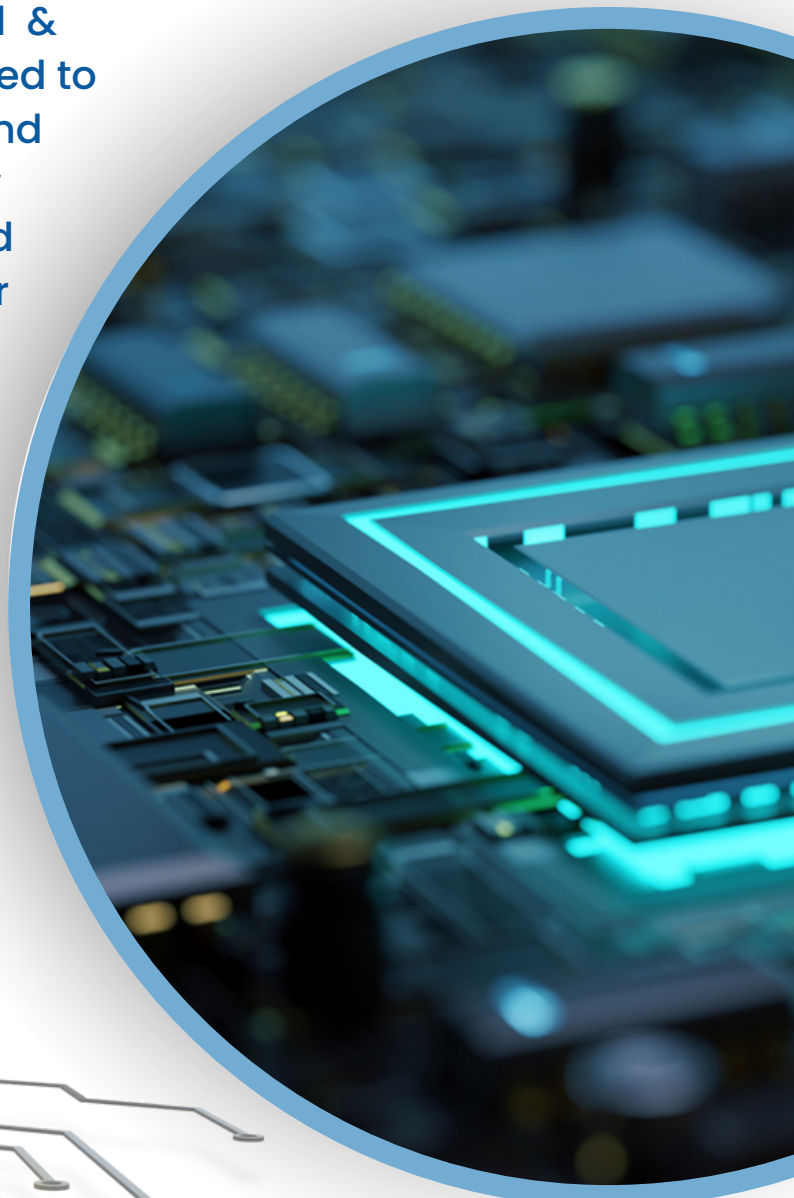
Why you Choose Us

- Industry-Leading Expertise
- Reliability, scalability, and cost-efficiency
- We specialize in high-speed, high-density designs
- Quality and Compliance
- Industry Standard Tools For Design (Allegro/OrCAD, Sigrity, Clesuis)



CRAFTRONICS
cadence®

CHANNEL PARTNER



OUR SERVICES



E-CAD Library Creation



- Symbol & Footprint Creation as Per IPC 7351
- Custom Component Creation
- Library Management
- Footprints for least, maximum or nominal

Schematic Capture



- Development of detailed and professional schematics from customer-provided block diagrams, or hand-drawn circuits.
- Creation of multiple sheets or hierarchical blocks for better readability

Schematic Development



- Translate circuit designs from concept or specifications into detailed schematics.
- BOM Creation & Generation
- Ensure compliance with electrical design rules(DRC)

PCB Layout Design



- We design printed circuit boards of any complexity: rigid, flexible, multilayer, HDI boards, high-speed PCBs, and other types.
- Component Placement , Routing , DRC
- Gerber Generation

Pre & Post layout SI/PI



- Pre-layout analysis focuses on exploring design rules and constraints before committing to the PCB layout
- Post-layout analysis verifies the implemented PCB design against performance metrics and identifies any last-minute issues.

Thermal Analysis



- Evaluate the heat dissipation capabilities of the PCB design.
- Prevent thermal stress and hot spots.
- Optimize cooling mechanisms (e.g., heatsinks, thermal vias, fans).
- MTBF Analysis

Manufacturing and Assembly



- As a one-stop solution provider, we offer seamless integration with manufacturing, from PCB layout to PCB Production-PCB Assembly
- Cost Optimization

CONTACT US



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