



RAZORCHIP

Crafting Intelligence

Premium PCB Manufacturing Solutions

Engineering Excellence from INDIA to the World

2024 Company Brochure

About Razorchip

Founded with a vision to deliver world-class PCB manufacturing solutions, Razorchip has established itself as a trusted partner for electronics companies worldwide. Based in India, we combine local expertise with global standards to deliver exceptional value.

Over the years, we have built a reputation for precision engineering, rigorous quality control, and unwavering commitment to customer success. Our state-of-the-art facilities and experienced team enable us to handle projects of any complexity, from simple single-layer boards to advanced multi-layer designs.



Our Services

PCB Design Services

Our experienced design team creates custom PCB layouts optimized for performance, manufacturability, and cost. We work with you from concept to final design, ensuring your boards meet all specifications and industry standards.

Key Features:

- Advanced routing and layout optimization
- Impedance control and signal integrity analysis
- Thermal management and EMI/EMC considerations
- Design for manufacturability (DFM) review
- Multi-layer board design (up to 20 layers)
- High-speed digital and RF design expertise

Rapid Prototyping

Get your designs validated quickly with our fast-turn prototype services. We understand the importance of speed in product development and offer flexible turnaround times to meet your project deadlines.

Key Features:

- Quick-turn prototypes (24-72 hour options available)
- Small batch production (1-100 boards)
- Design validation and testing support
- Iterative design improvements
- Engineering change order (ECO) support
- Prototype-to-production transition

Volume Production

Scalable manufacturing solutions for high-volume production runs. Our optimized processes and supply chain management ensure consistent quality and on-time delivery for orders of any size.

Key Features:

- High-volume production (100+ boards)
- Supply chain management and material sourcing
- Production scheduling and capacity planning
- Quality control at every stage
- Flexible order quantities
- Long-term production partnerships

Quality Assurance

Comprehensive quality control processes ensure every board meets the highest standards. Our rigorous testing and inspection protocols catch issues early, reducing rework and ensuring reliability.

Key Features:

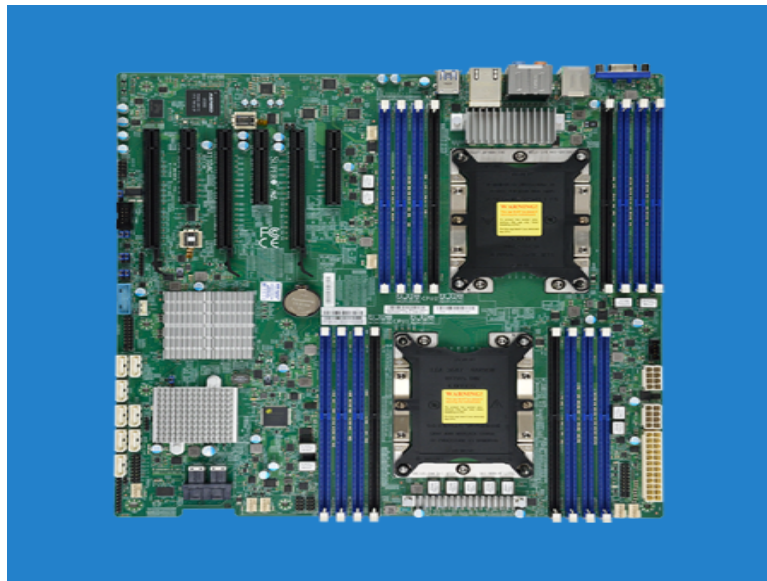
- Automated optical inspection (AOI)
- Electrical testing and continuity checks
- X-ray inspection for BGA and hidden connections
- In-circuit testing (ICT) capabilities
- Compliance with IPC standards
- Detailed quality reports and documentation

Our Products

We manufacture production-ready PCBs for various applications across multiple industries. Our product portfolio includes:

Server Motherboards

High-layer-count PCBs optimized for throughput, signal integrity, and thermal management.



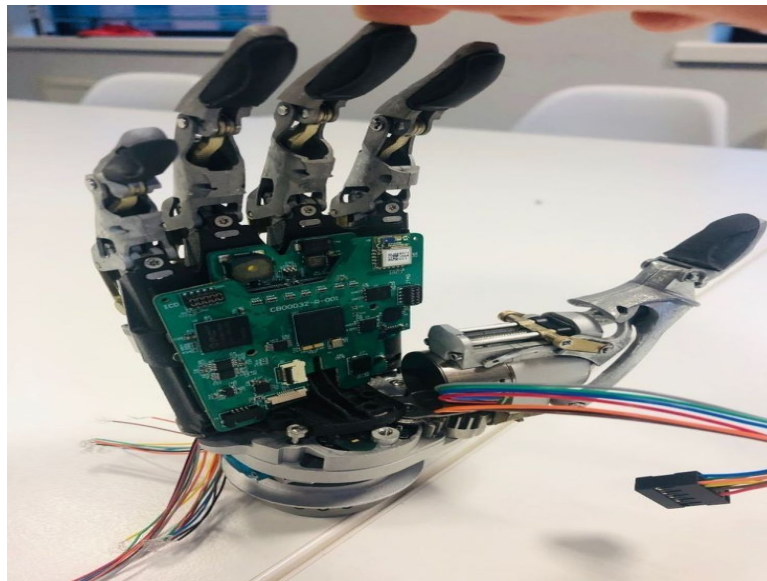
Mini PC Mainboards

Compact, space-efficient boards balancing performance and thermal efficiency.



Robotics Control PCBs

Precision control boards for autonomous systems with motor drivers and sensor interfaces.



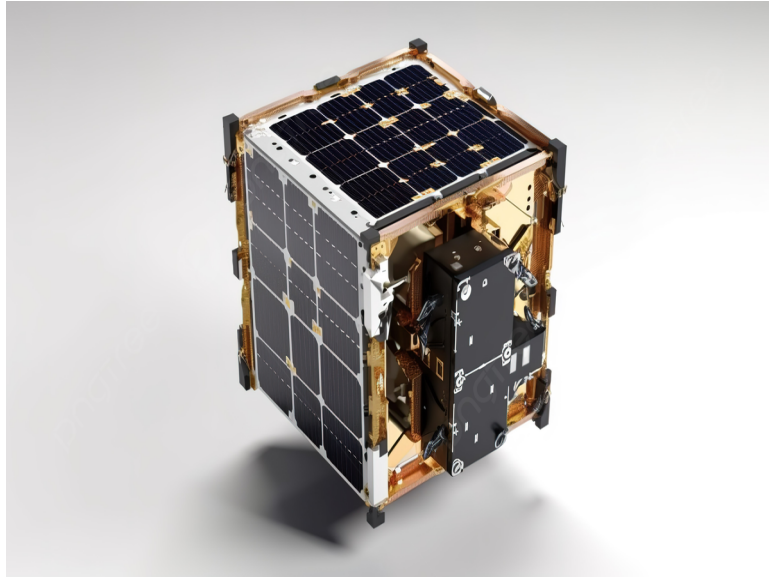
GPU/Graphics Cards

High-performance graphics processing units with advanced cooling and power management.



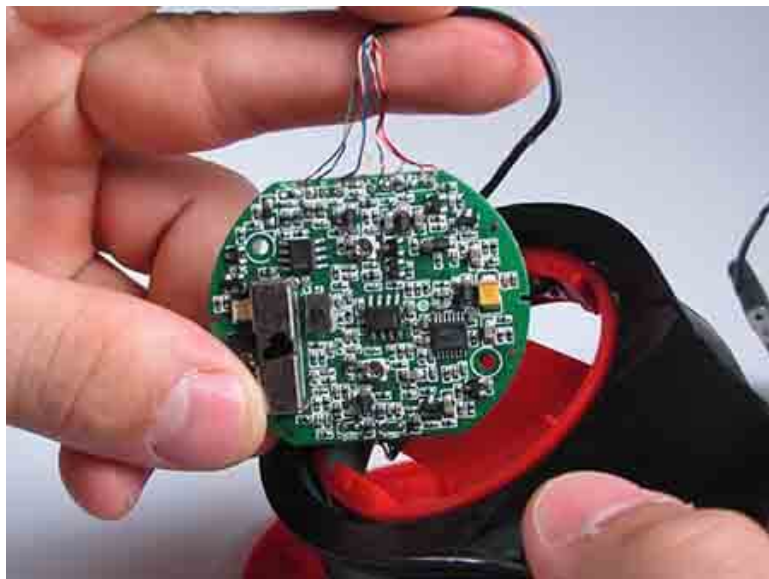
CubeSat Electronics

Space-grade PCBs for satellite applications with radiation-hardened components.



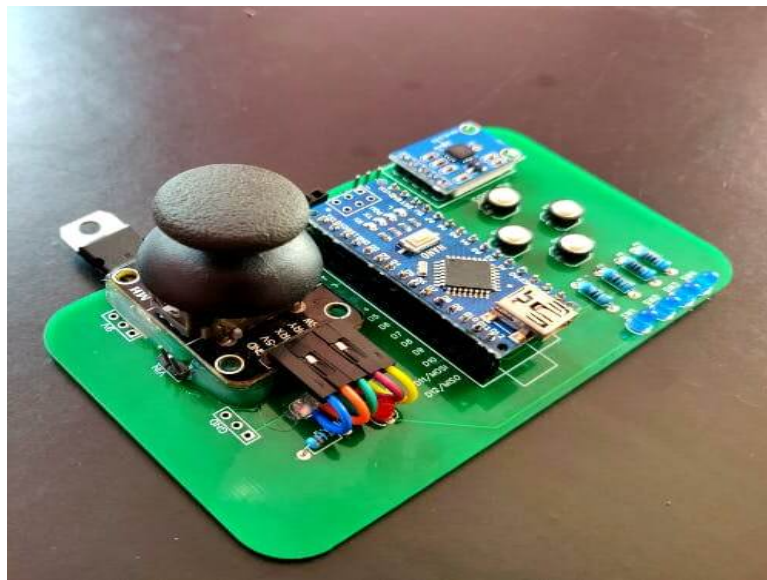
Sound Processing Boards

Audio processing and amplification circuits for professional audio applications.



Wireless Remote Control

RF communication boards for remote control and telemetry applications.



Our Capabilities

Capability	Specification
Layer Count	Up to 20 layers
Board Thickness	0.4mm to 3.2mm
Minimum Trace Width	3 mil (0.075mm)
Surface Finish	HASL, ENIG, OSP, Immersion Silver
Copper Weight	0.5oz to 6oz
Via Types	Through-hole, Blind, Buried

Our Achievements

Metric	Value
Projects Completed	500+
Success Rate	98%
Countries Served	50+
Years of Experience	15+

Contact Us

Ready to start your project? Get in touch with us for a free consultation and quote.

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Request a custom requirement or download drivers for our products at our website.