



We design and build products that matter.



Space

We design and manufacture integrated circuit board assemblies and systems and ensure they meet the essential reliability and quality standards required for operation in the challenging environment of space.

Comprehensive Space Solutions

We specialize in designing and manufacturing printed circuit boards engineered to withstand the harsh conditions of the aerospace industry, including exposure to corrosive chemicals, intense vibrations, and extreme temperature fluctuations.

Applications

- Carrier Rockets
- Communication Satellites
- Landers
- Launch Vehicles
- Navigation Satellites
- Rovers
- Space Shuttles

Solutions

- Avionics
- Black Boxes
- Control Systems for Unmanned Vehicles
- Flight Control Computers
- Fuel Vapor Detection Modules
- High-Speed Data Encryption Units
- Navigation Systems
- Radar Systems
- Surveillance and Imaging Systems
- Weaponry

Why Choose Impact

Increased Durability

We manufacture products that can not only handle temperature extremes – both high and low – but fluctuations between the two.

System Integration

We have extensive experience integrating various components and systems to produce high-quality products.

Production Partner

Our design consulting engineers work in conjunction with your team to refine concepts and validate designs.

Lightweight PCBs

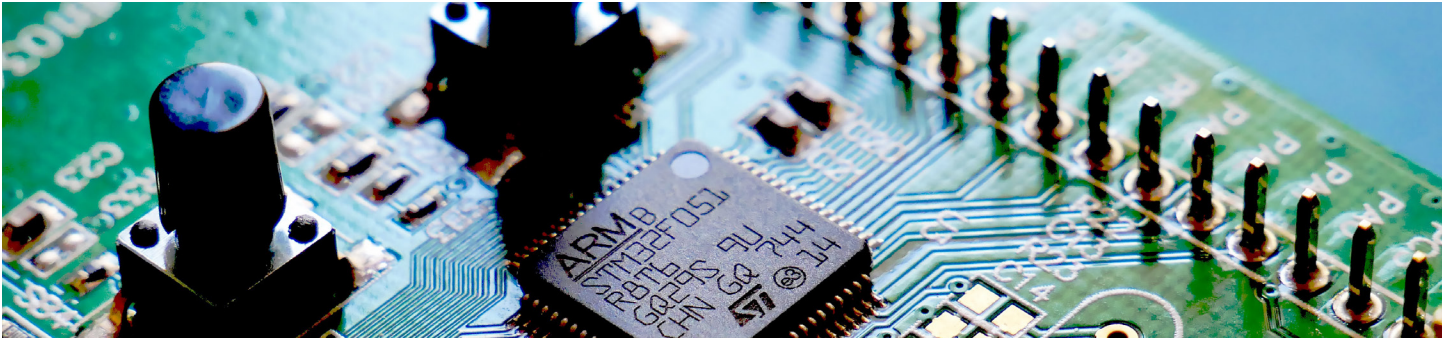
Lighter than standard commercial printed circuit boards, our PCBs won't inhibit aerospace systems' ability to launch, fly, or remain suspended in space.

Rigorous Testing

Space-qualified components undergo environmental, mechanical, thermal, radiation, and functional testing to ensure their suitability for space missions.

Multidisciplinary Team







Our engineers collaborate with commercial and academic counterparts to maintain the up-to-date knowledge base needed to produce specialized and sophisticated technologies.



About Us

We are a full-service electronics manufacturing services company, providing prototype and full-turnkey production services for a wide range of customers in the medical, defense, aerospace, unmanned systems, industrial and instrumentation sectors.

Industries

	Aerospace
	Medical & Life Science
	Autonomous Robotics
	Space
	Military & Defense
	Commerical & Industrial

Decades of Experience

Our engineers have been designing complicated electronics and software-based devices for nearly three decades. Our expertise allows us to ensure seamless integration across both disciplines. From challenging analog electronic designs to cloud-based data access and reporting, we will provide outstanding solutions appropriate for your application.

Tailoring solutions to meet our client's requirements, we offer both design-only and manufacturing-only services, as well as versatile combinations of the two to address diverse needs.

Certifications



Contact Us

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Locations

- Grants Pass, Oregon
- Vancouver, Washington
- Clearwater, Florida
- Cranston, Rhode Island

