

Integrated microelectronics solutions from concept to scale.

Enhanced microelectronic capabilities.

Plexus is a proven leader in advanced microelectronics manufacturing and assembly solutions. Leveraging over 35 years of technology leadership in design and manufacturing – with proven expertise in high-complexity, high-reliability and harsh environmental products – we are uniquely positioned to design, manufacture and deliver microelectronic products that exceed our customers’ expectations.

Plexus has developed industry-leading capabilities through product and process characterization. We have a highly experienced team led by talented industry veterans and we work closely with our customers to ensure we have the capabilities and expertise to meet their needs.

Regulatory expertise and compliance.

- ISO 9001, ISO 13485 and ISO 14001 certified
- AS9100 certified
- ANSI / EDS S20.20 certified
- IPC J-STD-001 and Space certified
- DoD DMEA Accredited Trusted Source
- AS5553-Compliant Counterfeit Parts Avoidance
- Screening IAW MIL-PRF-38534
- Testing IAW MIL-STD-883 methods
- Robust materials obsolescence management

DESIGN AND DEVELOPMENT

SUPPLY CHAIN SOLUTIONS

NEW PRODUCT INTRODUCTION

MANUFACTURING

AFTERMARKET SERVICES

Robust set of capabilities.

- Custom packaging and process development
- Precision die attach (flip chip, epoxy and eutectic)
- Gold and aluminum wire and ribbon bonding
- Stud bumping
- Precision automated underfill
- Dam and fill encapsulation
- Extensive in-house test, screening and inspection

Product and technology focus.

- Hybrids and integrated mixed technology assemblies
- Chip and wire
- Flip chip
- Multi-chip modules
- System-in-package
- RF / microwave modules
- Power modules
- MEMS and 3D packaging
- Optoelectronics / imaging devices
- Quilt Packaging™

Full range of services.

- Product design
- Process development
- Materials evaluation
- Prototype to production
- Test and measurement
- Reliability and failure analysis



Microelectronics Center of Excellence

Boise, ID

- ISO Class 7 cleanroom
- Industry-leading process, test and inspection solutions
- Best-in-class processing and metrology equipment
- On-site failure analysis and reliability testing lab



Ready to get started? Contact our Microelectronics team at plexus.com/contact or by using the appropriate phone number below.

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