ACDi
In Touch with Technology

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SBA:	Small Business
DUNS:	MD-08-6145646
	NC-04-6673198
CAGE	MD-3A2K5
CODE:	NC-6VGNO
ISO	9001: 2015: AS9100
ITAR:	Registered
FDA & FAA:	Registered
NAICS:	334418, 334419, 541330, 334220, 334310, 334510, 334511, 336320, 541512, 336413

CAPABILITIES STATEMENT

ACDi is an agile electronics manufacturing services firm staffed with degreed/certified engineers/program managers and strategically located near the nation's capital and North Carolina providing electronics-based product manufacturing, design and testing services to OEMs in the military, aerospace and commercial industries.

MARKETS

Government	Aerospace	Telecommunications	Commercial
Defense	Industrial	Life Sciences	Medical

CORE COMPETENCIES AND DIFFERENTIATORS

Advanced Design & Engineering	Production Capabilities	Innovative Testing Procedures
Concept to Production: • RF System Design • Circuit Design • Mechanical Design • Design for Assembly • PCB Layout • Component Selection	• Quick Production Ramp-ups • Prototype and Volume Production • Automated Circuit Card Assembly • Chassis and Box Build • System Integration • Multiple Strategic Locations	• Compliance Test Failures • System Failure Analysis • Component Failure Analysis • Regression Testing • AOI • ICT and Functional Test

Program Management	Technical Expertise	Superior Quality Control
• Total Supply Chain Management • Integrated Product / Logistics Support • Prompt Returns • Routine Production Communication	• IPC Class 3 / J STD for Critical Military Application Specifications • Obsolescence / Long-Lead Mitigation • BGA X-Ray and Rework • RF / Digital Hardware • Fully Integrated CAD Systems • Counterfeit Prevention Program	• ESD Program • Progressive Quality Check • Corrective Action for Non-Conforming Material • Specialized Packaging Standards • RoHS Compliant • Nuclear 10CFR Certified

Value-Added Services		
• Lot Control and Traceability • New Product Introduction	• Onsite Tools / Layout Software • Industrialization	• DFM

PAST PERFORMANCE

• CellWatch	• Iridium Satellite Comm.	• Restorative Therapies
• Cubic Corporation	• Jefferson Lab	• Sandia National Labs
• G3 Technologies	• Lockheed Martin	• U.S. Army
• GE Hitachi Nuclear Energy	• Northrop Grumman	• U.S. Navy
• Harris	• Orbis Solutions	• Xerox

ACDi Services Summary

SMT Assembly

- Rigid, Flex, Rigid-Flex
- 01005, 0201, High-Pin Count BGAs, Micro BGAs, Part On Part
- In-Line 3D AOI, X-Ray Inspection
- Conformal Coat, Underfill, Potting And Ultrasonic Welding
- BGA / QFN / Connector Removal / Replacement
- 3D Solder Paste Inspection

Systems Manufacturing

- High-Mix Configurations
- Process Engineering
- Configuration Management, Serialization
- Quick Production Ramp Ups
- 100% Turnkey Solutions

Engineering Services

- Requirements and Electrical Hardware Design
- Mechanical Design
- Product Evaluation
- Sustaining Engineering
- Test Procedure
- Test Fixture Development

PCB Layout Services

- High Frequency RF Designs
- High Speed Digital Designs
- Multiple Layers – 26+
- Low EMI Designs For Sensitive Applications
- Stacked, Blind and Buried Vias

Cables and Harness Assembly

- Complex, Smart Cables
- Ribbon, Coaxial, RF Twisted-pair, Fiber Optic
- Mil-Spec, Medical, Commercial
- Leak / Immersion Testing
- Opens-Shorts and HiPot Testing

Test and Integration

- Functional Testing
- JTAG Testing
- Flying Probe Testing
- Custom Test Fixture Design
- ICT / Bed of Nails Testing

Supply Chain and Program Management

- Counterfeit Prevention Program
- Order Fulfillment
- Total-Concept-Engineering / Manufacturing
- Program Management – One Point Of Contact To Manage The Entire Process