

HEADQUARTERS

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MANUFACTURING PLANT

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BILL HORNBAKER CEO

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SBA: Small Business

DUNS: MD-08-6145646

NC-04-6673198

CAGE MD-3A2K5
Code: NC-6VGNO

ISO 9001:2008; AS9100

ITAR: Registered FDA & FAA: Registered

NAICS: 334418, 334419, 334417,

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	Military	Unmanned Vehicles	Commercial	Medical
Defense	Aerospace	Telecommunications	Industrial	Life Sciences

CORE COMPETENCIES AND DIFFERENTIATORS

Advanced Design & Engineering	Multiple Strategic Locations	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 	 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 TraceabilityNew Product Introduction	Onsite Tools / Layout SoftwareIndustrialization	- DFM

PAST PERFORMANCE

Government & Military

USAF

Jefferson Lab

NRL

וח

• FAA

USSOCOM

NIST

FBI

General Dynamics

US ARMYNAVSEADoD

HarrisBAE Systems

Systems Integrators

• L-3

SAIC

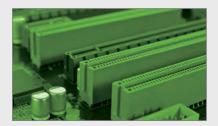
Raytheon

• EXELIS

Lockheed Martin

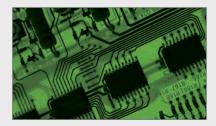
Sotera Defense

Northrop Grumman















ACDi Services Summary

SMT Assembly

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

Systems Manufacturing

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

Product Engineering

- Concept Development
- Product Development
- Product Evaluation
- Technical Management
- Hardware Design

Engineering Services

- High Frequency, RF Designs
- High Speed Digital Designs
- Multiple Layers Up To 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
- Hi-Pot Testing

Test and Integration (All on-site!)

- Functional Testing
- JTAG Testing
- Flying Probe Testing
- Custom Test Fixture Design
- ICT / Genrad Testing

Supply Chain and Program Management

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