

Why Choose Capital Electro-Circuits, Inc?

Experience
Proven track records
Fair pricing
Trust and Openness

Our most positive trait is our flexibility to do whatever it takes to meet the customer's unique requirements. Some of our proudest moments:

When we were given a crude hand drawn sketch and two weeks to produce a final product ready for demonstration for a very high profile US Visit Program. The product was ready on time and it exceeded all expectations. When we were asked to build a complete flight ready assembly for a NASA spacecraft. We were given a tight budget, as well as a short and an inflexible schedule to work with. In addition, we also had to meet all of NASA's unique requirements. We are proud to know that our boards are in space supporting a NASA mission. Knowing that we played a major role in developing products for a start-up RFID co. which helped it to become a premiere national company. When one of our customers came to us with a box full of old hardware and asked us redesign and manufacture it. This led to a fully functional Asset Tracking System used by the US National Guard. Knowing that we manufactured some of the key products used by the nation's first airport to adopt an Automated Luggage Tracking System Knowing that for the past few years, we are financially and technically helping George Washington University students get the most out of their senior design projects. Hearing complements from some of the top U.S. Companies and knowing that we have eared their trust.

Circuit Board Assembly

Multiple Automated Surface Mount Lines Ball-grid array (BGA) and µBGA BGA rework station
Conformal Coating (NASA Standard)
IPC-A-610-C Workmanship Standards.
ESD Controlled Workstations
Full turnkey component procurement

System Integration/Assembly

Inspection Tools Calibration Program

RF system level assembly and testing
Enclosure design, machining, anodizing and screen printing
Custom wire harness and cable assembly
RF Coaxial Cables Assembly
Bar Code label Printing
JIT and Drop Ship

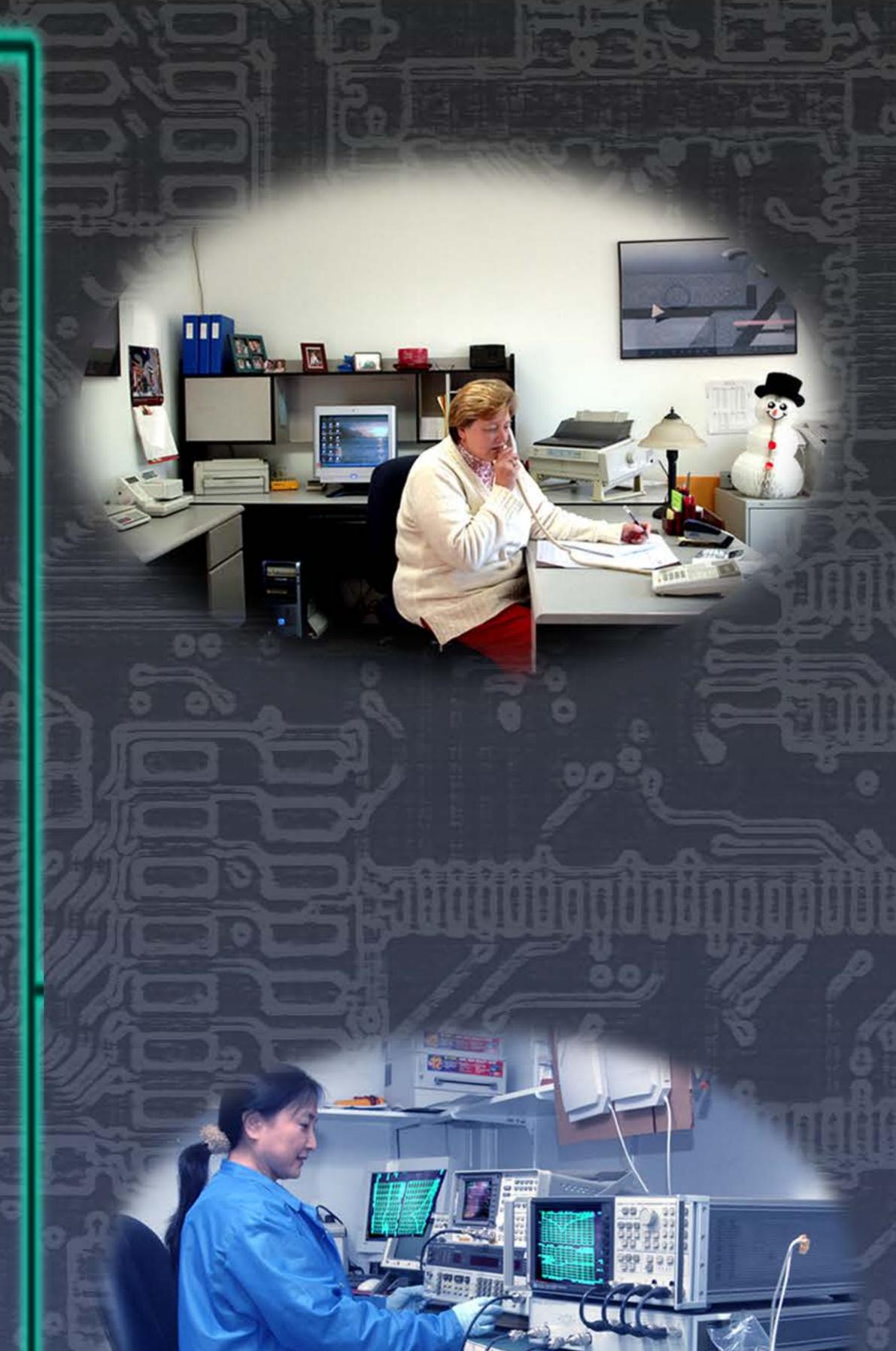
COMPANY PROFILE

Capital Electro-Circuits, Inc. located in the Washington DC metro area, began its operations in 1985. We are the leading electronic manufacturing service provider of high quality printed circuit boards and complete assembly. From the very beginning, we had one simple goal, to deliver total satisfaction at fair prices to our valued customers.

As a result of our commitment to customer satisfaction and quality, we have enjoyed a steady and controlled growth. Our sales have increased steadily each year and our customer base has expanded to include over 900 accounts nationally!

Our efforts have earned the praise of purchasing managers from firms such as:

- US Army
- Motorola
- US Postal Service
- Northrop Grumman
- Sanmina-SCI
- Symbol Technologies
- General Dynamics
- National Weather Service
- Boeing Co.







Our combined capability and experience in all phases of product development allow us to provide the quickest and most cost effective product realization.

Broad Range of Development Services:

- Complete Product Design and Development
- Design for Manufacturability
- PCB Design and Layout
- Quick Prototype Manufacturing
- Functional Testing

Manufacturing Expertise:

Our Full-Service Manufacturing Processes Include:

- PCB Manufacturing
- PCB Assembly
- Box Build System Integration
- Antenna Manufacturing
- Cable Manufacturing
- Comprehensive Manufacturing Testing
- Lead Free & RoHS Compliant
- Material Management
- Computerized Order Tracking System
- Integrated Statistical Process Control
- Repair and Refurbishing Depot

INTEGRATED SOLUTIONS

Experience the benefits of efficient and seamless progression from Design, PCB Fabrication through Final Product Assembly and Testing. Our team members are fully experienced in all phases of product development. This, start to finish capability means that we can provide finished assembled products in the shortest time and at lower cost than procuring them separately.

ENGINEERING AND TEST SERVICES

- PCB, Mechanical and Packaging design
- Fully Equipped RF Lab for Tuning and Testing
- X-Ray Inspection
- Automatic Optical Inspection (AOI)
- Electrical Netllist Testing
- Cable Testing

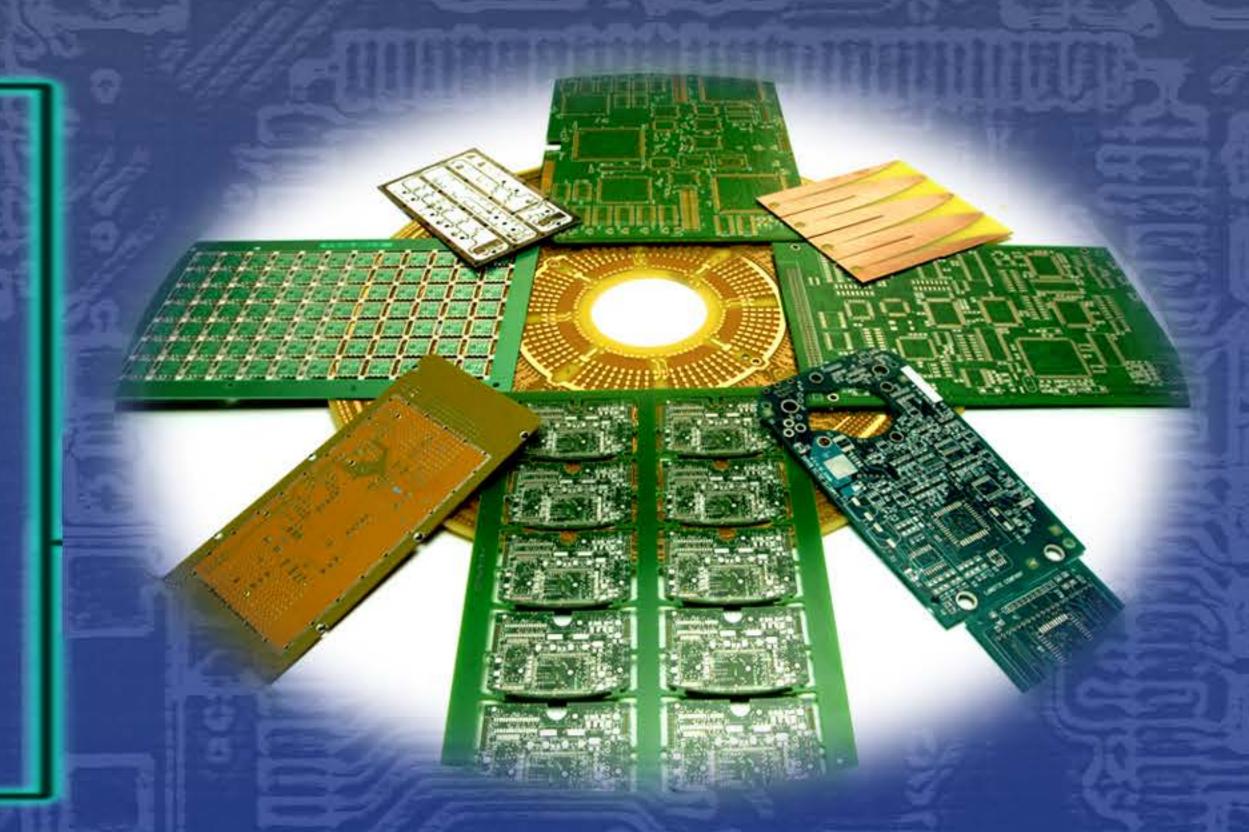


CIRCUIT BOARD FABRICATION

- Multilayer Boards upto18 Layers
- Teflon/Duroid/TMM Boards
- Flexible PCBs
- Mixed Dielectric Hybrid Boards
- Thermally Conductive Metal Circuit Boards
- High Tg Multifunctional Material
- Lead Free Surface finish options: Immersion White Tin, Nickel-Gold Plating and OSP.
- Silver and Carbon Ink Printing
- O Blind & Buried Vias
- Conductive/Nonconductive Filled Vias
- Controlled Impedance
- IPC-A-600 UL-Listed 94V-0

CIRCUIT BOARD ASSEMBLY

- Multiple Automated Surface Mount Lines
- Ball-Grid Array (BGA) and μBGA
- BGA Rework Station
- Conformal Coating (NASA Standard)
- IPC-A-610-C Workmanship Standards.
- ESD Controlled Workstations
- Full Turnkey Component Procurement







- RF System Level Assembly and Testing
- Enclosure Design, Machining, Anodizing and Screen Printing
- Custom Wire Harness and Cable Assembly
- RF Coaxial Cables Assembly
- Bar Code Label Printing
- JIT and Drop Ship
- Inspection Tools Calibration Program

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- Knowing that we manufactured some of the key products used by the nation's first airport to adopt an Automated Luggage Tracking System
- Knowing that for the past few years, we are financially and technically helping George Washington University students get the most out of their senior design projects.
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Customer Comments

- ". . . other vendors have promised quality and reliability but none have maintained their promise like Capital Electro-Circuits, Inc.. . ."
 - ----Northrop Grumman Corp.
- "...Thank you for the prompt and excellent service... the boards you manufactured were flawless." Lockheed Martin Corporation
- ". . . I have worked with CEC for decades and found them to be dependable, fair and reasonable -----Motorola
 - "... your product was delivered on schedule and was of the highest quality."

 Bell Atlantic Test Systems