



A passion for performance.

**Tier 1 approved supplier
to the aerospace industry**

Full ITAR compliance

Automated processes

**Flexibility for special
process implementation**

Excess capacity enabled



Circuit Card Assembly

For HiRel Applications

FACTS

AEROSPACE ADVANTAGES

- High-reliability standards
- Board layout
- Low volume orders
- Supplier and BOM management
- Access to Aeroflex Standard Products and RadHard ASICs
- QML Q, T and V products
- Flown on commercial aircraft and commercial/military satellites

CCA SERVICES

- Quick turn assembly
- Material management
- Flying probe testing
- Board layout
- Dock-to-stock with Aeroflex ICs
- SMT, through-hole, test and coat
- Customer-specific processes

PRODUCTION SERVICES

- Build to print
- Prototype
- Engineering
- Qualification
- Very low to moderate production
- Quick turn, typically less than 6 weeks from receipt of components and documents

MATERIAL MANAGEMENT

- Full turnkey or consigned material acquisition
- Supplier management
- BOM management
- Value-added component screening

IC SCREENING AND VALUE-ADDED CAPABILITIES

- PIND, RLAT, DPA, fine & gross leak
- Packaging, electrical testing, tinning, forming, and programming

TOTAL SQUARE FOOTAGE

- Facility 104,000 sq. ft.
- Circuit card assembly 25,000 sq. ft.



Our customers come to us for the best quality and workmanship, one-stop-shopping for ICs and assembly technology, and our willingness to partner. We can also implement customer processes on our manufacturing floor. Let's talk about how we can work together.

*Layne Shumaker
Director, CCA Operations*

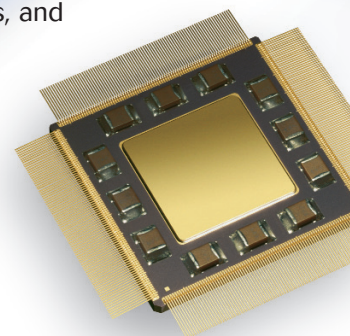
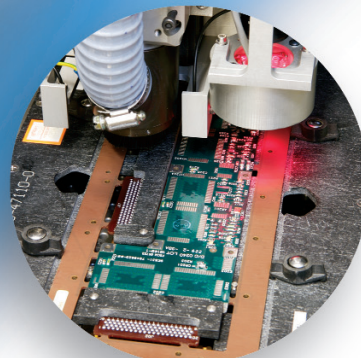
HiRel E

CERTIFICATIONS

- IPC-A-610 /ANSI/J-STD-001 and Space Addendum
- NASA-STD-8739/NHB5300 (replaced by 8739)
- Certified to ISO-9001:2000 with AS9100:2004 Rev B
- MIL-STD-2000A
- Aeroflex Quality Program and Management Manuals

DISCRETE COMPONENT ASSEMBLY ON CERAMIC

Aeroflex has the capability to do complete post-chip packaging, including the mounting of components on exterior ceramic. All of our processes are completely QML qualified. We specialize in solutions: chip cap attach, passive component attach, ball grid arrays, column grid arrays, land grid arrays, and customer-unique processes.



Top to bottom ~
Land Grid Array with Columns
Land Grid Array
Chip Cap Package

earth-based assembly for today's out-of-this-world applications.



FLEXIBILITY | AUTOMATION | ONE-STOP

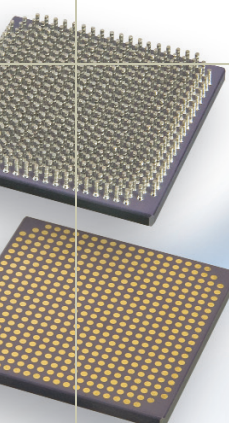
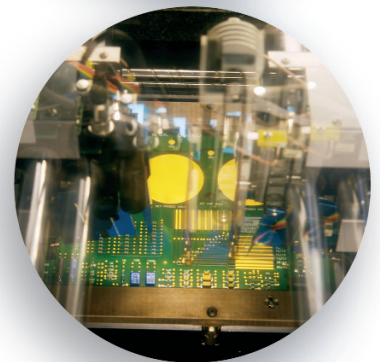
THESE ARE OUR DIFFERENTIATORS

Aeroflex's circuit card assembly began in Colorado Springs in 1990 as UTMC. Today, we operate as a one-stop production facility, continuing to supply all facets of circuit card assembly to the aerospace industry. Along the way, we have also developed years of experience in communications, military, and aerospace products.

Aeroflex is prepared to be totally flexible on schedules, production, delivery, etc. This is the way we're set up. We welcome small jobs and can take on excess capacity jobs easily and on a moment's notice. Since all aspects of circuit card assembly are in-house, customers come to us for all stages of production.

Automation is another key with Aeroflex. We are continually adding state-of-the-art equipment to make the investment for you.

Aeroflex is proud to be an approved supplier for Tier One leaders. Because our procedures were established to adhere to their stringent requirements, our quality system encompasses every aspect of our operation.





WE INVEST
IN THE LATEST
AUTOMATED
EQUIPMENT,

SO YOU DON'T HAVE TO.

AEROFLEX
A passion for performance.

Aeroflex Colorado Springs

WEB SITE www.aeroflex.com/cca

TELEPHONE 800-645-8862



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.