

PCBA CONTRACT MANUFACTURING

High-Reliability PCBA

From Validation to Repeat Production

DCA manufactures and assembles PCBAs and integrated electronic assemblies to your specifications and quality requirements. DCA supports OEM programs across the product lifecycle, from early builds through production, with the flexibility to meet evolving program requirements.



PROTOTYPE-TO-PRODUCTION MANUFACTURING READINESS

Fast NPI starts with manufacturing questions answered early. DCA carries material, test, quality, and documentation readiness forward from prototype through scalable production.

Build-to-Print PCBA

SMT, through-hole, and mixed technology assembly for rigid, flex, and rigid-flex circuits.

Prototype and Material Readiness

DFM/DFT feedback, document verification, BOM and lifecycle review, material planning, and approved alternates.

Quality, Test and Change Control

AOI, X-ray, functional testing, first article support, traceability, and documented change control.

Advanced Manufacturing Services

System integration and box build, conformal coating and potting, and final testing and quality checks.

Value-Added Services

Repairs and upgrades, direct order fulfillment, lifecycle and obsolescence management, customized onshoring, and NDAA/BABA supply-chain support.

ONE PARTNER FOR PROTOTYPE - VALIDATION - PRODUCTION



ONE EMS PARTNER FROM NPI THROUGH PRODUCTION

Quick-Turn NPI — Scalable Production

FAST NPI. AGILE SUPPORT. END-TO-END QUALITY.

Material, manufacturing, test, quality, and documentation readiness should move forward together so the next build starts with fewer avoidable surprises.



COMPLEX OEM PROGRAMS DCA SUPPORTS

Defense and Aerospace

Circuit card assembly for mission-critical electronics with ITAR-registered manufacturing support, traceability, and quality documentation.

Medical and Healthcare

Medical device validation and verification support from PCBA NPI through production, with revision control and ISO 13485 support.

Industrial Automation & Robotics

High-mix industrial electronics for automation, robotics, long product lives, and managed component changes.

Automotive and Specialty Vehicles

Sensors, controls, and electric vehicle electronics supported with IATF 16949 quality-system discipline.

Power and Energy

High-reliability PCBA and integrated electronics manufacturing for power, energy, grid, and infrastructure OEMs.

Emerging Technologies

Complex OEM electronics that need a responsive manufacturing partner from validation builds through repeat production.

CERTIFICATIONS, REGISTRATIONS & STANDARDS

CERTIFICATIONS

- AS9100D
- ISO 9001
- ISO 13485
- IATF 16949

FEDERAL READINESS

- ITAR Registered
- SAM.gov Registered
- NIST SP 800-171

QUALITY STANDARDS

- IPC-A-610
- J-STD-001 Class II & III
- RoHS/REACH
- ANSI/ESD S20.20

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Explore DCA PCBA

