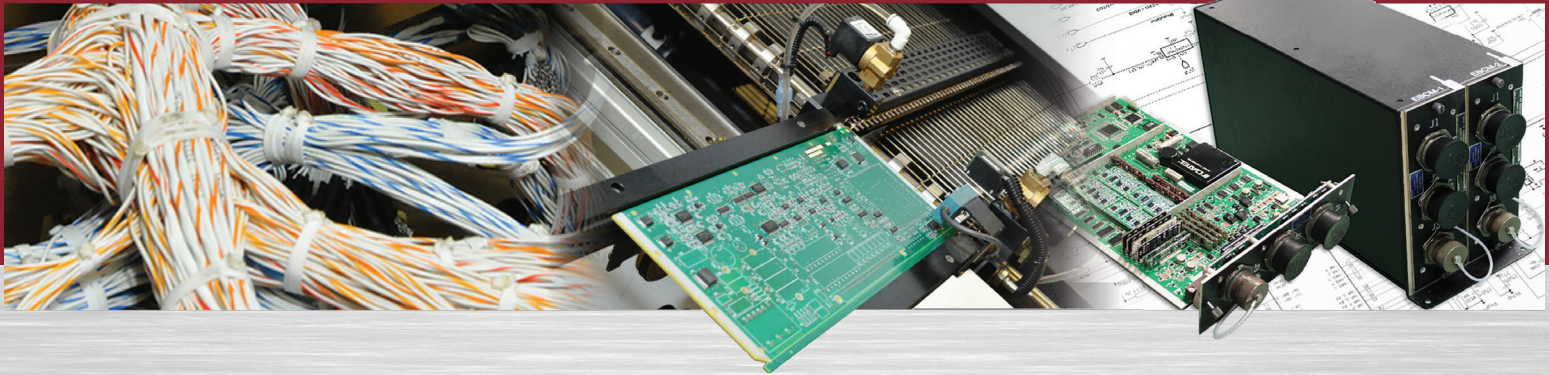




**ELECTRONICS & WIRING
CONTRACT MANUFACTURING**



CORE COMPETENCIES

Projects Unlimited serves Aerospace and Defense companies worldwide as an Electronics Manufacturing Services (EMS) contract manufacturer, specializing in the assembly of mission critical Circuit Cards, Wiring Harnesses, and Complete Box-Level Electronics Systems.

Cable & Wiring Harnesses

Assembly

- Branched Cables & Harnesses
- Overbraiding
- Laser Marking
- Shielding & Encapsulation Potting

Testing

- DIT-MCO / Weetech
- Computer Controlled Pull Testing
- Discrete Component & Relay Testing
- 4-Wire Kelvin Measurement Methodology

Circuit Cards

Assembly

- SMT and Thru-Hole
- Capable of 01005 Placements
- BGA and μ BGA Placement
- Conformal Coating
- Multi-Layer Rigid-Flex Board Placement

Testing

- Flying Probe
- 3D X-Ray
- AOI Automatic Optical Inspection
- In-Circuit Test (ICT)

Electronics Systems

Assembly

- Box Level Assembly
- Electro-Mechanical Assembly
- Integrated Assembly

Testing

- Complete Functional System Testing
- 4 HASS/HALT Chambers
- Vibration Testing (all 3 axes)
- Burn-In Testing

DIFFERENTIATORS

- Small Business
- Repair and Overhaul Services
- All Manufacturing in USA
- In Business since 1951
- Approximately 170 Non-Union employees
- Within 500 miles of 60% of the US population & 60% of its manufacturing

- Modern Facility (75,000 sq.ft.) Built in 2005
- Low to Medium Volume/Medium to High Mix
- Obsolescence Management
- Supply Chain Management
- Dedicated Account Managers
- Manufacturing Engineering Support

Contact

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DUNS: 004277869



**ELECTRONICS & WIRING
CONTRACT MANUFACTURING**

SERVICES

NAICS (North American Industry Classification System):

- 334418 Printed Circuit Assembly (Electronic Assembly)
- 335931 Current-Carrying Wiring Device Manufacturing
- 334419 Other Electronic Component Manufacturing
- 336413 Other Aircraft Parts & Auxiliary Equipment Manufacturing
- 334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System & Instrument Manufacturing
- 334513 Instruments and Related Products Manufacturing for Measuring, Displaying, & Controlling Industrial Process Variables

PSC (Product or Service Code):

- 5998 Electrical & Electronic Assemblies, Boards, Cards, & Associated Hardware
- 5999 Miscellaneous Electrical and Electronic Components
- 5963 Electronic Modules
- 5995 Cable, Cord, & Wire Assemblies: Communication Equipment
- 5895 Misc. Communications Equipment
- 1680 Misc. Aircraft Accessories and Components
- 5965 Headsets, Handsets, Microphones and Speakers
- 5962 Microcircuits, Electronic

**STANDARDS
QUALITY**

- AS9100D
- ISO 9001:2015
- Nadcap - Electronics Accredited - (CCA) Circuit Card Assemblies
- Nadcap - Electronics Accredited - (CHA) Cable & Harness Assemblies

TRAINING

- J-STD 001 Class 3 - Requirements for Soldered Electrical & Electronic Assemblies
- IPC-A-610 - Acceptability of Electronic Assemblies
- IPC-7711/IPC-7721 - Reworked Repair of Electronic Assemblies
- IPC/WHMA-A-620 - Requirements & Acceptance for Cable & Wire Harness Assemblies

PAST BUILD PROJECTS

ELECTRONICS SYSTEMS

- De-Icing & Temperature Controllers
- Data Transfer and Diagnostic Systems
- Generic Flight Control Computer (GFCC)
- Aircraft Data Interface Unit (ADIU)
- Electronic Motor Control Unit (EMCU)
- Brake Data Concentrator Unit (BDCU)
- Master Ice Protection Control Unit (MIPCU)
- Nacelle Ice Protection Control Unit (NIPCU)
- Active Vibration Suppression System (AVSS)
- Cockpit Wiring Integrated Remote Terminal (CWIRT)
- Landing Gear Steering Control Module (LGSCM)
- Aircraft Wiring Integration Remote Terminal (AWIRT)

- Network Interface Unit (NIU)
- Flight Control Computers (FCC)
- Heating Shut-Off Unit
- Signal Data Matrix
- Brake Control Unit (BCU)
- Hydraulic Control Module (HCM)
- Brake Control Module (BCM)
- Aircraft Data Memory Module

CABLE & WIRING HARNESSSES

- Bus Bars
- Cable Testers
- Electronic Control Panels
- Flight Control Wiring Harnesses
- Flight Test Instrumentation Wiring Harnesses
- Jumper Assemblies
- Junction Boxes
- Missile Firing Cables
- Power Feeder Cables
- Relay Panels
- Sensor Assemblies
- Test Cables
- Wire Integration Assemblies (WIA)
- Wiring Harnesses

PARTIAL CLIENT LIST

Bell Helicopter
The Boeing Company
GE Aviation
Lockheed Martin
Raytheon
TE Connectivity
Meggitt (MABS)

