



Capabilities Statement

A US Manufacturer

DESIGN

Design services can be engaged after idea creation, concept development or to redesign an existing product. Our clients are large corporations, small businesses, inventors, innovators, entrepreneurs and university researchers.

MANUFACTURING

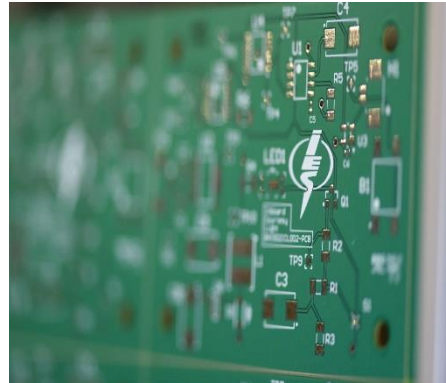
From one piece to thousands of units we can assemble your printed circuit board assembly (PCBA), integrate into enclosure with cabling, software loading, testing, packaging, and then logistics channels used to delivery to various end points.

LIFE CYCLE

Management of the entire lifecycle of a product from inception, through design and manufacture, to service and aftermarket support. IES also has experience with clients in various phases of their product's life cycle.

For more information on any of our services please visit us on the Web at:

www.iesgray.com



SERVICES

- PCB Design Layout
- Design for Manufacturability
- Consigned or Full Turnkey Material Options
- New Product Introduction
- Prototype, Pilot Builds
- Product Customization
- Full Production Manufacturing
- Box Build
- Integration Services
- Conformal Coating
- Testing
- Traceability
- Depot Repair
- Finished Goods Holding
- Order Fulfillment
- Life Cycle Management

EQUIPMENT

- Surface Mount Technology (SMT) Lines
- Solder Paste Inspection (SPI) System
- SMT Glue Dispensing System
- 3D X-Ray Inspection System
- 3D & 2D Automatic Optical Inspection (AOI)
- Hand Soldering Lines
- Through-Hole Technology (THT) Slide Lines
- Automated THT Assembly Line
- Leaded Dedicated Wave Soldering Line
- Lead-Free Dedicated Wave Soldering Line
- Water Wash with Chemical Bay
- Ultrasonic Cleaning Equipment
- Ionograph
- BGA Rework System
- 2 Automated Conformal Coating Lines
- Manual Conformal Coating
- Box Build Lines with wiring capabilities
- Thermal Chamber
- In-Circuit Testing
- Flying Probe Testing
- Functional Testing

IES is a prominent woman owned small business, founded in 1989, providing design, development, manufacturing, and life cycle management services for electronic CCA/PCBA products for Military, Aerospace, Energy, Transportation, Medical, Communications and Industrial markets.

QUALITY SYSTEMS

- ISO 9001:2015 with Design
- AS9100:2016

MANUFACTURING TEAM

- Certified In-House IPC Trainers
- IPC-A-610
- J-STD-001 with Space Addendum

COMPLIANT

- IPC 7711/7721
- IPC-WHMA-A-620
- AS5553
- ESD S20.20
- FDA GMP

GOVERNMENT

- DUNS: 809190747
- TAX ID: 62-1508154
- NACIS: 334418, 334419
- CAGE CODE: 3CFL7
- ITAR
- JCP
- SAM Registered

PAST PERFORMANCE

- US NAVY, US ARMY
- DOE - ORNL
- NASA
- Fire Suppression, Detection Systems
- Communications, Industrial Controls
- Medical

 **Industrial
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