

CAPABILITIES STATEMENT

Providing Superior Service, High Quality & High Value



336-431-4487



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High Point,
N.C. 27260

CAGE: 0JQN1 UEI: GJ15CTU395T8



i2E Group provides innovative engineering and manufacturing solutions with expertise in electronic and electromechanical design, prototyping, and scalable low-to-mid volume production. We specialize in complex PCBA, wire harnesses, cable assemblies, and panel builds, supported by rigorous quality systems and full lifecycle capabilities.

CERTIFICATION & COMPLIANCY

- IPC-A-610 Manufacturing Standards
- RoHS Compliant Processes
- ESD & Climate-Controlled Facility
- Quality Management Systems with Audits & CAPAs
- AS9100 certified
- ISO 9000 Capable Systems

NAICS CODES

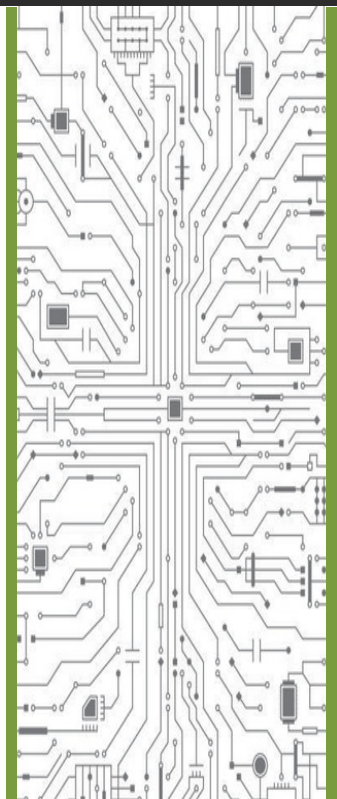
- 334412 – Bare Printed Circuit Board Manufacturing
- 334413 – Semiconductor & Related Device Manufacturing
- 334417 – Electronic Connector Manufacturing
- 334418 – Printed Circuit Assembly (Electronic Assembly) Manufacturing
- 334419 – Other Electronic Component Manufacturing
- 334510 – Electromedical & Electrotherapeutic Apparatus Manufacturing
- 334515 – Instrument Manufacturing for Measuring & Testing Electricity/Electrical Signals
- 336320 – Motor Vehicle Electrical & Electronic Equipment Manufacturing

DIFFERENTIATORS

- ✓ **Full Lifecycle Expertise:** Design, prototyping, and scalable low-to-mid volume, high-mix production through sustainment
- ✓ **Agile Manufacturing:** Flexible processes for complex electromechanical assemblies, including PCBA, harnesses, cables, and panels
- ✓ **Cross-Industry Knowledge:** Broad experience in defense, industrial, medical, life sciences, and telecommunications
- ✓ **Quality-Driven Approach:** Inspection systems, audits, CAPAs, and root cause analysis ensure compliance and reliability
- ✓ **Government-Ready Partner:** Prepared for federal contracts with SAM/DIBBS registration, CAGE/UEI, and NAICS/PSC alignment

PAST PERFORMANCE

- ✓ **Defense & Security:** RF amplifier boards, cellular test boxes, SDR transceivers, surveillance equipment, IoT devices
- ✓ **Medical & Biotechnology:** Control and sensing instruments, diagnostic equipment, R&D instrumentation
- ✓ **Industrial Controls & Power:** ATE boards, thermostats, access systems, surge suppression
- ✓ **Aerospace & Transportation:** Signal control boards, destination signage, automotive systems
- ✓ **Clean Energy & Lighting:** Solar control panels, high-efficiency LED lighting



SERVICES OFFERED

Engineering Design & Development: Circuit, product, and system design · Software development · Design for excellence, manufacturing, test, and cost efficiency · Prototyping (including offline capabilities)

New Product Introduction (NPI): Proprietary project management from concept to launch

Manufacturing & Assembly: Low- to mid-volume production · PCB surface mount assembly, ultra-fine pitch · Through-hole and mixed technology boards · 0201 chips to 2.2" BGA/QFD, flip chip, and odd-shaped components · ROHS-compliant · Water-soluble and no-clean solder processes · Automated and manual assembly · Turn-key and kitted solutions · Wire and cable harnesses including twisted pair, flat ribbon, coaxial, RF, and surface mount

Testing and Repair: Functional and diagnostic testing · Test fixturing and burn-in · Rework and repair of fine and ultra-fine pitch SOICs, QFPs, and BGAs · Verify continuity · Repair PCB traces · Reclaim parts from damaged assemblies

PRODUCT SERVICE CODES

- ✓ **334412** – Bare Printed Circuit Board Manufacturing
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- ✓ **334418** – Printed Circuit Assembly (Electronic Assembly) Manufacturing
- ✓ **334419** – Other Electronic Component Manufacturing
- ✓ **334510** – Electromedical & Electrotherapeutic Apparatus Manufacturing
- ✓ **334515** – Instrument Manufacturing for Measuring & Testing Electricity/Electrical Signals
- ✓ **336320** – Motor Vehicle Electrical & Electronic Equipment Manufacturing

SBA SMALL BUSINESS

i2E Group, LLC is a certified small business based in High Point, North Carolina, eligible for SBA small business set-aside contracts. We leverage our small business status to provide agile, responsive, and cost-effective solutions to government clients, ensuring compliance with federal regulations and requirements.

i2E Group, LLC, stands for Innovation to Execution and represents our range of capabilities from idea creation to engineering, design and development to full turn-key manufacturing to distribution of hardware and software.

We are able to do this by practicing:

- Economics
- Technical Expertise
- Flexibility
- Responsiveness
- Advanced Manufacturing Techniques
- Focus

