

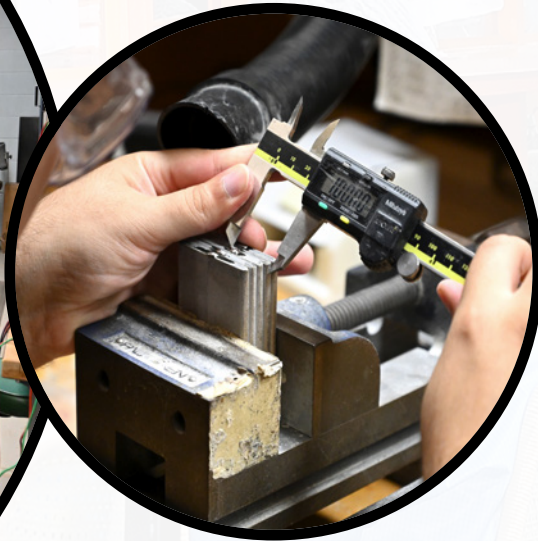
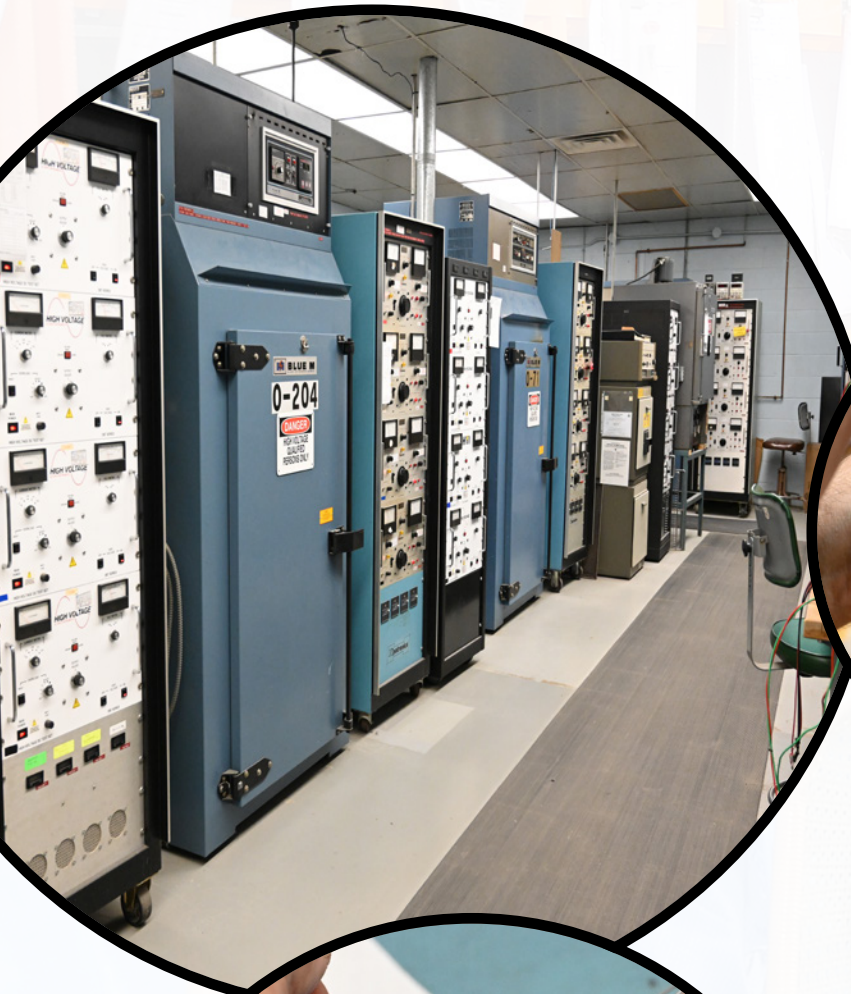


Celektronix
BY CUSTOM ELECTRONICS, INC.

ELECTRONIC PRODUCT DEVELOPMENT & MANUFACTURING SERVICES



Innovative Solutions

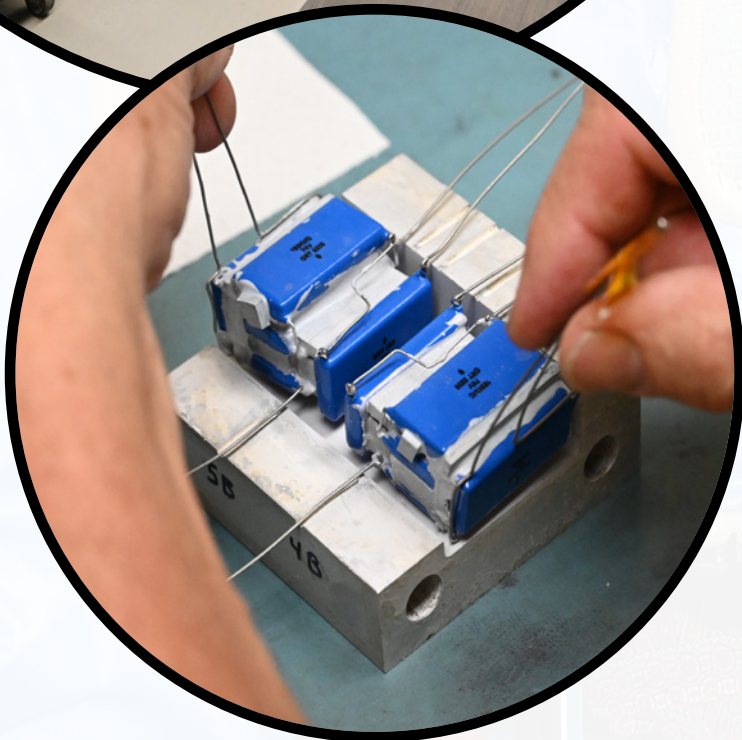


Turnkey Electronic
Manufacturing
Services

Quality Solutions
at competitive
Pricing and on-time
Delivery

RoHS Manufacture
Capability

Product Development
and Improvement through
state-of-the-art R & D





Source to Resource

Celektronix has installed capacity of fully automatic SMT facilities to handle lead-free processes.

A dedicated and skilled workforce to meet a broad spectrum of requirements for the electronics industry.

Celektronix's key offering include design, development, batch production, final assembly and testing.

Celektronix continuously upgrades it's infrastructure and the skills of its employees to meet the changing face of electronic manufacturing services.

The Vision

Our Vision is to provide:

- **Absolute Quality**
- **Single Source Solutions**
- **Highly competitive pricing**
- **Commitment to delivery schedule**

Our efforts are backed by:

- **Professional Management**
- **Impeccable Work Ethics**
- **Customer Satisfaction**

Automotive
Industry



Railways



APPLICATION AREAS



Engineering
Industry

Medical
Applications



Power Generation/
Distribution



Aerospace/Defense



Computing/
Telecommunication



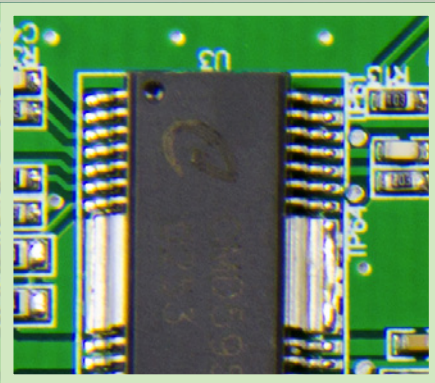


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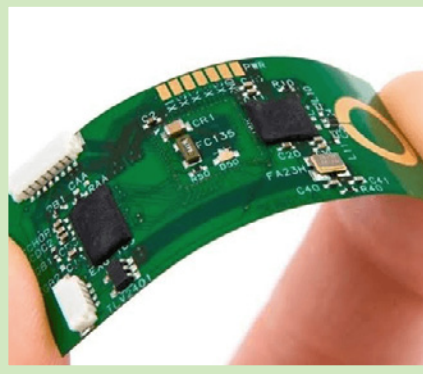
PCB ASSEMBLY



Surface Mount

Capabilities:

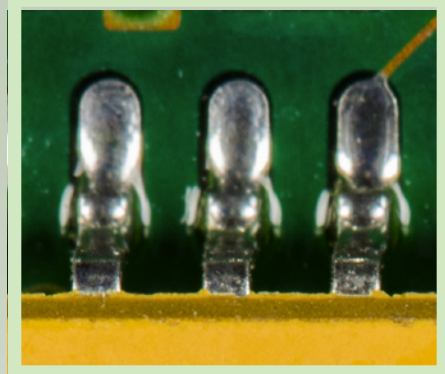
- SMT reflow
- Through hole devices
- Pick and place population
- Wire bond and crimp
- Board layout design expertise
- Dual sided board population
- RoHS compliant assembly



Flexible Circuits

Services:

- Quick turn prototype assembly
- Design and turnkey manufacturing
- Low to high volume production
- Finishing with conformal coating
- Complete package assembly



Through Hole

Applications:

- Medical devices
- Light emitting diodes
- Consumer and industrial electronics
- Automotive components
- Aerospace/Defense components
- Safety and security equipment
- Telecommunications equipment

Quality Certifications:

- ANSI/NCSS Z650-1 (MIL-C-45662)
- ANSI/ESD - S20.20
- J-STD-001
- IPC-A-610
- RoHS or Pb compatibility

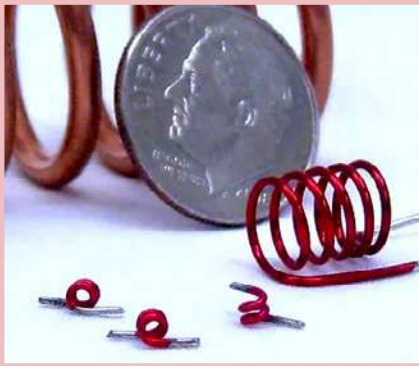


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ELECTROMAGNETICS



Inductors

Capabilities/Products:

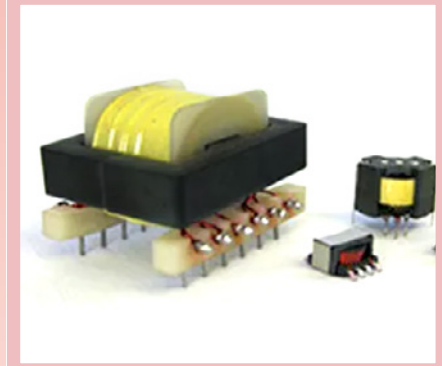
- Leaded inductors
- Surface mount inductors
- Wireless charging and air coils
- Pulse transformers
- Switching transformers
- High speed winding
- Edge and Toroid winding
- Sensors and magnetic pick-ups



Edge Winding

Services:

- Custom design and consultation
- Low-high volume runs
- Rapid prototyping
- 3D modeling
- Electrical/thermal/HV testing
- Potting and encapsulation services



Transformers

Applications:

- Audio components
- Current and voltage sensors
- Filtering and choke
- Isolation/Step-up and step-down voltages
- DC/DC drives
- Pulsed and switched modes

Quality Certifications:

- ANSI/NCSS Z650-1 (MIL-C-45662)
- ANSI/ESD - S20.20
- J-STD-001
- IPC-A-610
- RoHS or Pb compatibility



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WIRING HARNESS



**Data/Encoder/
Network Cables**

Capabilities:

- Over molding
- Color Stamping
- Ultrasonic welding
- UV curing
- Epoxy sealing
- Cord coiling



**Automobile
Cables/Harness**

Services:

- Low quantity, cable prototyping and production
- Cable design and tech insertion
- Power and signal cables for box builds
- High quantity cables for power supplies
- Integrated, rugged MIL-SPEC cable



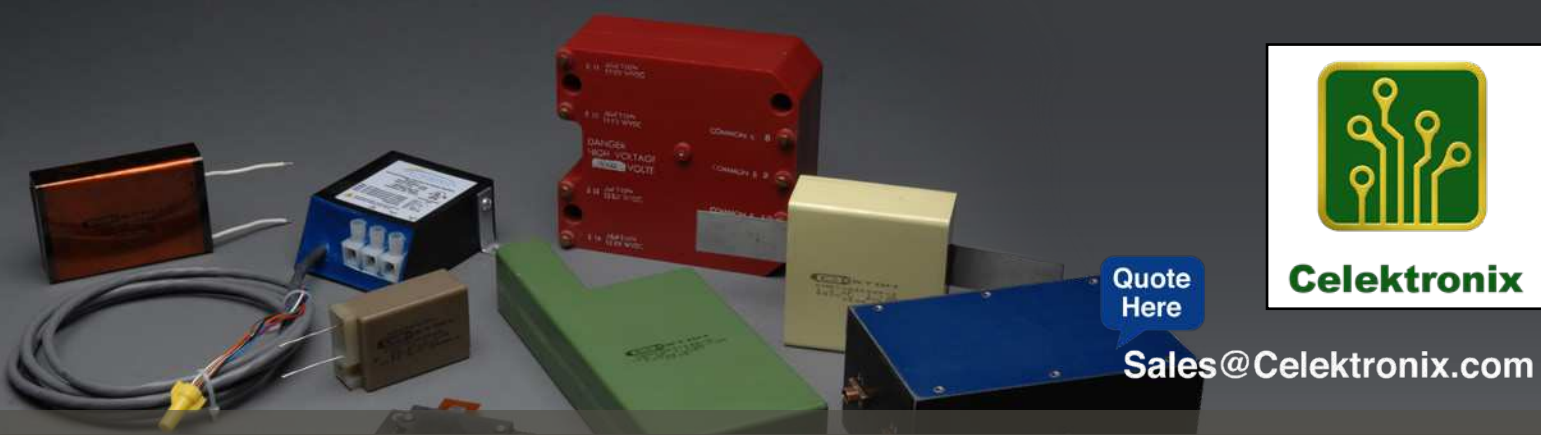
**Power Cables and
Sensor/Transducer Cables**

Applications:

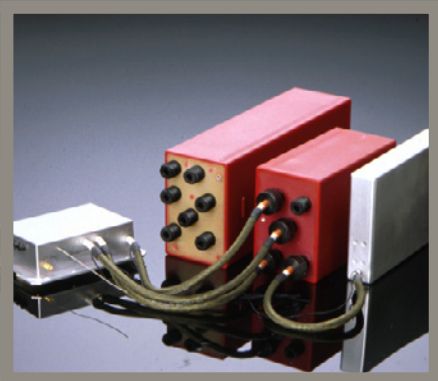
- Military and defense
- Vehicles and mobile
- Industrial power supplies
- Marine power supplies
- Sensor and transducer cables
- RF antenna and networking cables

Quality Certifications:

- ANSI/NCSL Z650-1 (MIL-C-45662)
- ANSI/ESD - S20.20
- J-STD-001
- IPC-A-610
- RoHS or Pb compatibility



HIGH VOLTAGE CAPACITORS, ASSEMBLIES AND ENCAPSULATION



Modules



Encapsulation



Component Assembly

Services:

- Vacuum encapsulation molding
- Utilize both Epoxy and Silicone encapsulation systems
- Thermal Management
- Multi-component assembly
- Temperature range -65°C to +260°C
- Customized shapes, mounting and terminations
- Black box design or build-to-print

Capabilities:

- Cost Savings
- Purchasing
- Component Inventory
- Assembly
- Testing
- Reliability
- Stringent incoming material testing
- Proven assembly methods
- High-quality assurance

Applications:

- Power supplies for satellites
- Radar and transmitter power supplies for military aircraft
- Guidance system transmitters for missiles
- Radar transmitters for shipboard defense
- Power Supplies for down-hole oil and gas exploration

Quality Certifications:

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- ANSI/ESD - S20.20
- J-STD-001
- IPC-A-610
- RoHS or Pb Compatibility



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MICRO CONTROLLERS



Automation Controllers

Capabilities:

- Control stations for process equipment
- Mixed signal board designs
- Digital signal processing controllers
- High efficiency discrete or modular designs
- Terminal - Junction boxes
- Low-voltage auto-transformer starter panels



Motor and Pump Controllers

Services:

- Design with drawings, BOM, lists, terminals, parts
- Automated fabrication
- Assemble and manufacture
- Test and commission



Intelligent Power Panels and Controllers

Applications:

- Industrial applications
- Factory automation equipment
- Air conditioning and refrigeration equipment
- Agricultural and irrigation equipment
- Service equipment

Quality Certifications:

- ANSI/NCSL Z650-1 (MIL-C-45662)
- ANSI/ESD - S20.20
- J-STD-001
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- RoHS or Pb Compatibility



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SERVICES



Design and Analysis

Capabilities:

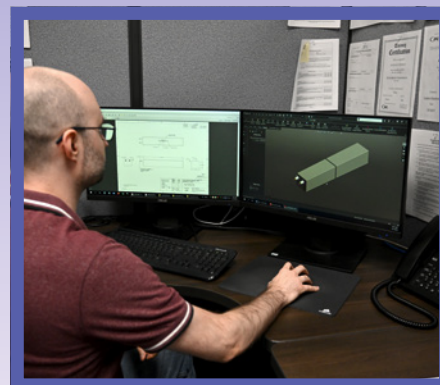
- Electrical, Electronics and Systems Engineering
- Equipment, Process, Software and Prototype Development
- Turnkey Integration and Testing
- Electronic Component Assembly
- Cable/Wire Harness Assembly
- Controllers and Processing Equipment
- Power Converters and Distribution Equipment



Systems Integration and Engineering

Services:

- Research and Development
- Prototype and Low/High Volume Production



Modeling/Simulation and Testing

Applications:

- Automotive
- Railways
- Engineering industry
- Medical Applications
- Energy Generation/Distribution
- Aerospace/Defense
- Computing/Telecommunication

Quality Certifications:

- ANSI/NCSS Z650-1 (MIL-C-45662)
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www.customelec.com

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- Custom-made solutions and products tailor made to customer requirement.
- State-of-the-art infrastructure
- Strong commitment to quality
- A dedicated R&D team to support customer
- Cost-effective global sourcing
- Short lead time and adherence to delivery dates



Electronics Manufacturing Services Partner:



vasantha advanced systems
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