

ENABLING HEALTHCARE INNOVATION

DESIGN-LED TECHNOLOGIES AND GLOBAL MANUFACTURING SOLUTIONS

















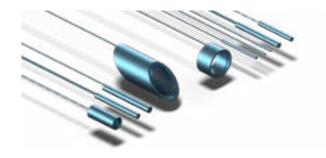








ELECTROMAGNETICS FOR SURGICAL NAVIGATION & IMPLANTABLES





Our miniature electromagnetic sensors and tracking systems enable sub-millimeter accuracy in minimally invasive surgery and implantable devices. In partnership with Radwave® Technologies, we manufacture an advanced electromagnetic tracking platform that provides precise, real-time navigation without line of sight - crucial for robotic surgery and minimally invasive procedures. From implantable devices to catheter-based solutions, our advanced electromagnetic technologies deliver targeted therapy with exceptional reliability and precision.

Products:

Air coil sensors
Solid core sensors
RF sensing coils
EM tracking platform
Implantable HV transformers

Applications:

Implant programmers & chargers
Pacemakers & defibrillators
Surgical navigation
Cardiac rhythm management
Neuromodulation







PCBA AND COMPLEX ELECTRONICS ASSEMBLY

We accelerate medical device innovation through a specialized NPI Center, delivering prototype PCB assemblies in just two weeks with concierge-level support. As an FDA-registered manufacturer with ISO 13485-certified cleanroom facilities across North America and Asia, we excel in low-volume, high-mix production for complex medical devices and laboratory equipment. Our vertically integrated capabilities enable seamless transition from prototype to sustained production while meeting the most stringent regulatory requirements.

Manufacturing Services: Engineering and NPI

Engineering and NPI PCB Assembly Cable Harness Testing Solutions Box build and HLA Supply Chain Management

Locations:

Cleveland, US Mexicali, MX

Certifications:

ISO 9001 ISO 14001 ISO 13485 IPC-A-610D J-STD-001 FDA Registered Cleanroom Facilities

Kuantan, MY Suzhou, CN

OPTOELECTRONICS AND PASSIVE COMPONENTS

Available in both standard and custom designs, our optoelectronic sensors and passive components excel in demanding medical applications, specializing in high-precision fluid detection and power management. Our components integrate seamlessly into medical devices, delivering enhanced measurement accuracy and system reliability through non-contact sensing and flexible packaging options.



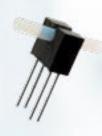
Products: Optoisolat Hall effect Fluid sens Reflective Slotted sw Current se Circuit pro Power ma

Optoisolators Hall effect sensors Fluid sensors Reflective sensors Slotted switches Current sense resistors Circuit protection resistors Power management resistors Potentiometers Encoders



Ventilators
Immunodiagnostic instruments
Heart monitors
Laboratory equipment
CT and MRI machines
Infusion pumps









MEDICAL GRADE POWER SUPPLIES

Our product portfolio includes AC/DC switch mode power supplies, desktop and wall-mounted units, as well as enclosed and encapsulated options. We offer modified and customized solutions through a dedicated team of experts, who provide world-class support in engineering, testing, product approval, and regulatory compliance.

1 Watt to 2kW
Open frame
Enclosed
U-Channel
Wall mount
Encapsulated
Modified/Custom

Products:

Custom and Modified Options:

Non-standard output voltages
Alternate connectors
Alternate pin-outs
Extended temperature ranges
Enhanced EMI filtering
Peak power capability
Decreased leakage current
Custom enclosures
Additional safety approvals



HELPING SHAPE THE FUTURE OF HEALTHCARE

At TT Electronics, we engineer and manufacture electronic solutions that enable a safer, healthier and more sustainable world. We operate from 20 locations with over 4,000 employees.



