

**TT Electronics is a global provider of engineered electronics for performance critical applications.**

# Success Stories

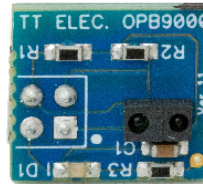


Our team of design and application engineers provide unsurpassed technical and systems level expertise unique to your specific needs.

Our world-class operations facility combines automation with customized manual assembly proficiency to achieve optimal quality.

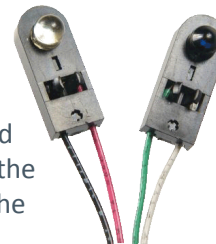
## Supply Chain Simplification

One of our customers in the industrial sector purchased our standard OPB9000 reflective sensor. We designed a special assembly configuration to further optimize their design and simplify their supply chain by soldering the sensor, PCB and connector.



## Optical Expertise

We worked with an ATM machine manufacturer to solve their transmitter/receiver alignment challenges. We solved these problems by redesigning the plastic housing and producing the complete assembly. We further simplified the customer's manufacturing process by providing custom wires and connectors.



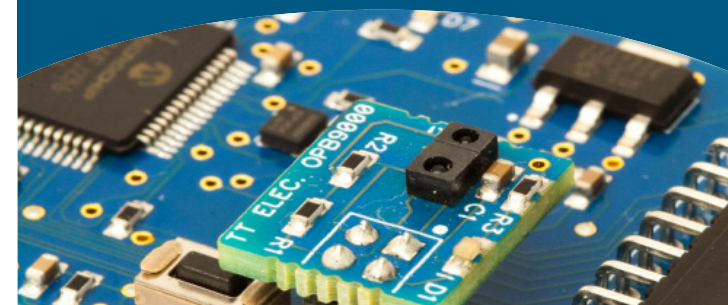
## Application Specific Sensors

A medical customer needed an optical sensor to detect fluid level in a reservoir. We designed a turnkey, custom sensor for their revolutionary, mobile dialysis machine. This custom sensor has since been implemented into multiple other medical equipment manufacturers' systems.



# Custom Optoelectronic Assemblies

Simplified.  
Reliable.  
Customizable.



**Automated Die & Wire Bonding**

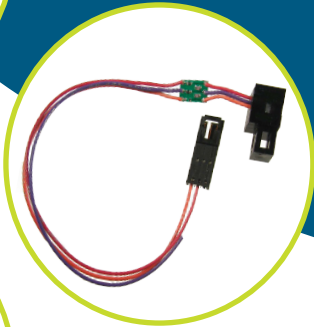


**Automated Pick & Place**

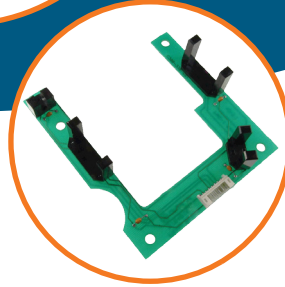
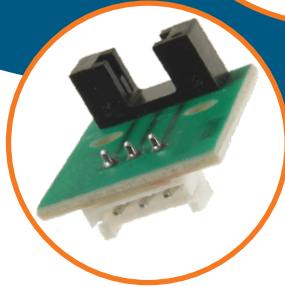
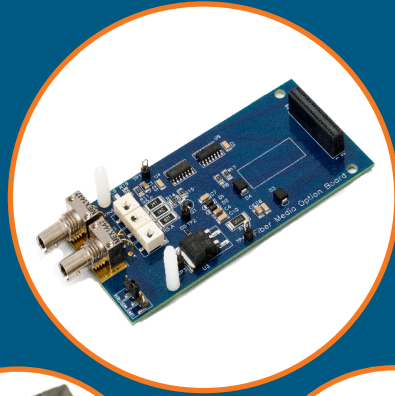


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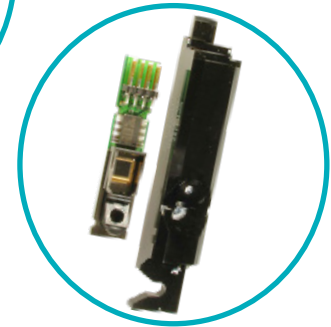
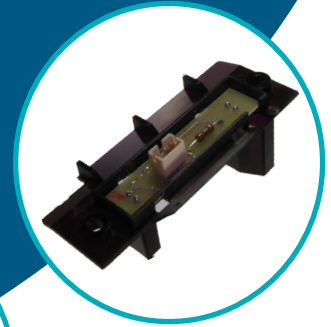
## Wiring Harness & Connectorization



## Board Assembly & Associated Electronic Components



## Customization Capabilities for Your Specific Design



- In-house cable assembly and test area
- Manual assembly and soldering with trained and certified operators
- Wide variety of cabling experience including: single and multi-conductor, ribbon cable and jacked cable assemblies
- Broad connector expertise (Molex, AMP, Berg, JST and more)

- Automated PCB assembly including surface mount and through-hole components with two-sided device mounting
- Wave soldering with automated cleaning
- In-circuit, functional and qualified test capabilities at a variety of temperature ranges to ensure reliability

- Design, sourcing and in-house injection molding of custom plastic housing
- Custom automated test, inspection and measurement available
- Engineering expertise to determine the optimal solution for your design
- Laser trim capability

Simplified

Reliable

Customizable