

Automated Die & Wire Bonding



Automated Pick & Place



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

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

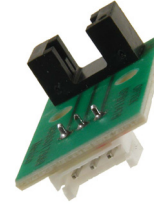
Our world-class operations facility combines automation with customized manual assembly proficiency to achieve optimal quality.



Success Stories

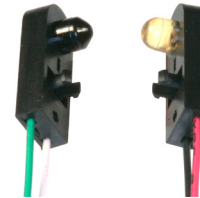
Supply Chain Simplification

One of our customers in the industrial sector purchased our standard OPB855 wide-gap slotted switch. We designed a special assembly configuration to further optimize their design and simplify their supply chain by soldering the sensor, PCB and connector.



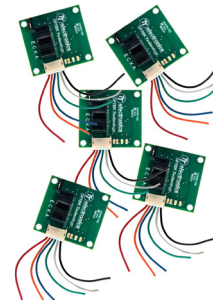
Optical Expertise

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.



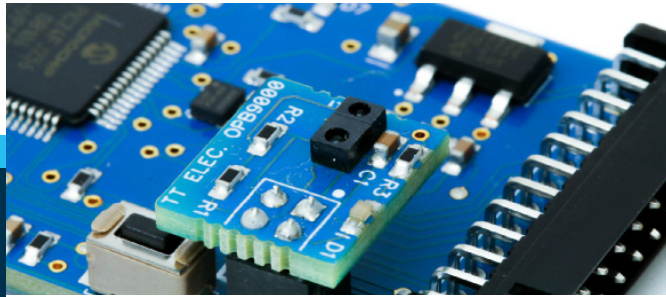
Engineering Smarter Solutions Together



Custom Optoelectronic Assemblies

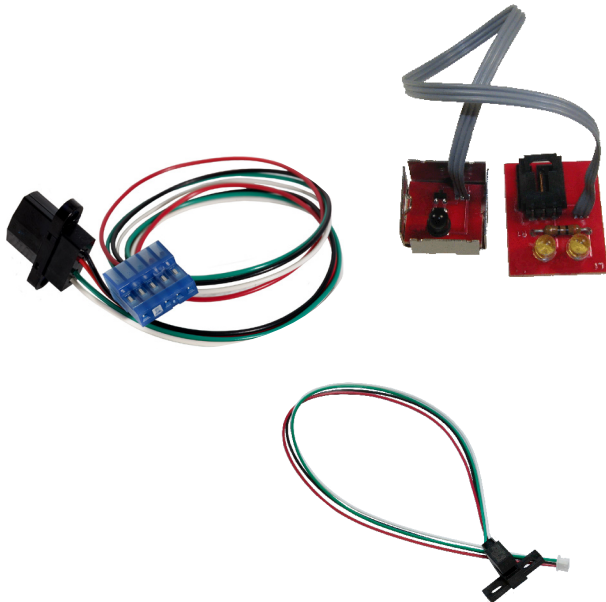
Simplified.
Reliable.
Customizable.

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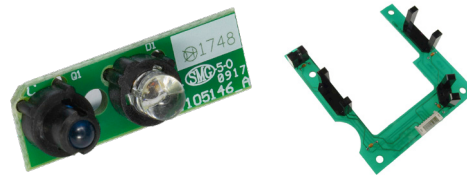
Wiring Harness & Connectorization

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



Simplified.
Reliable.
Customizable.

Custom Sensing Capabilities



- Design of precision optical sensors
- ASIC and custom package design
- Plastic housing design
- In-house plastic molding
- Automated custom testing
- Agency compliance testing
- Environmental testing

Customization Capabilities for Your Specific Design



- Design, sourcing and in-house injection molding of custom plastic housing
- Custom automated test, inspection and measurement available
- Laser trim capability
- Automated PCV assembly including surface mount and through-hole components with two-sided device mounting