

Industrial Ethernet MagJack® ICMs

TRP Connector has designed ICMs to support 10/100Base-T non-PoE, PoE and 1GBase-T Ethernet applications for the primarily industrial market. Our industrial Ethernet MagJack ICM products are aimed at customers building equipment for factories and machines where the operating temperatures are between -40°C and 85°C and who need low cost, reliable ethernet connections.

These ICMs have options for IR reflow compatibility, tape-and-reel packaging, optional LEDs and can be automatically inserted on to the PCB for low cost application. Our ICMs are more durable and longer lasting, with fewer field issues.


Features

- Industrial temperature range
- Highly reliable with sensible cost
- Options for reflow compatibility, tape-and-reel packaging and LEDs

Benefits

- ICM operates in harsh conditions of the factory floor without degradation of performance
- Long life with no failures for worry-free use in industrial applications
- Allows for automatic pick-and-place and low cost reflow soldering operations

Specifications

- Meets all IEEE 802.3 10/100Base-T and 1GBase-T electrical requirements including RL, IL, Hi-pot and Common Mode parameters
- Operates from -40°C to 85°C or as specified
- 100% Hi-pot tested in production
- 50 micro-inches of gold plated contacts as required by the TIA 1096/FCC 47, Part 68
- Optional LEDs and shield configurations
- Optional IR-reflow soldering compatibility
- UL recognized
- RoHS 6/6 compliant 

Applications

- Industrial Ethernet controllers
- Machine control boards
- Ethernet lighting controls
- Industrial Wireless access points
- Industrial video display units



Common Part Numbers

| | | |
|-----|---------------------------|----------------------|
| TRP | 2250015-1 | 1G, nPOE tab-up |
| TRP | 2250056-1 | 10/100, PoE, tab-up |
| TRP | 2250066-1 | 10/100, nPOE, tab-up |