Ideal for compact applications, the Micro-Latch 2.00mm Wire-to-Board Connector System provides electrical and mechanical reliability in a high-temperature design that meets automotive, consumer and industrial industry requirements.

Features and Advantages

- Uses popular crimp terminals
- Easy to access the crimp applicators as they are widely available in the market
- Mold lance
- Fastener with terminal lance
- Through hole terminals
- Supports terminal ruggedness and reliability
- Friction lock
- Provides better terminal retention
- Polarizing features
- Helps to avoid mis-mating
- 2 to 15 circuits, single row plug in vertical and horizontal configurations
- Offers design flexibility
- RoHS compliance and high-temperature capabilities
- Withstands harsh environments
- 2.00mm-pitch low-profile connector
- Provides space saving
- Widely popular
- AWG# 22-30 cables are used
- 2.00mm-pitch low-profile connector
- Provides space saving

Applications

Industrial Automation
- Commercial Vehicles
Consumer
- White goods
- Gaming machines
- Drones
- Air conditioners
- Laser printers
- Vacuum cleaners
- Desktop PCs
- Power tools
Automotive
- Steering wheel, paddle shift, combination switches
- Shifters
- Head-, rear- and side-mirror lights
- Internal connection with other units
Micro-Latch 2.00mm
Wire-to-Board Connector System

Specifications

REFERENCE INFORMATION
Packaging: Reel (Terminal)
Tray (Header Assembly)
Bag (Receptacle Housing)
Mates With: Micro-Latch Connectors
Use With: 51065
Terminal Used: 50212/50372
Designed In: Millimeters
RoHS: Yes
Low Halogen: No

ELECTRICAL
Voltage (max.): 125V
Current (max.): 2.5A (AWG#22)
Contact Resistance on Crimped Portion (max.): 20 milliohms
Dielectric Withstanding Voltage: 500V AC (1 minute)
Insulation Resistance (min.): 1000 Megaohms

MECHANICAL
Crimp Terminal Insertion Force (max.): 9.8N
Crimp Terminal Retention Force (min.): 9.8N
Pin Retention Force (min.): 9.8N
Crimping Strength (min.): 39.2N (AWG#22)
Durability (max.): 30 Cycles

PHYSICAL
Housing:
- Receptacle — PBT
- Header — Polyamide
Contact: Phosphor Bronze
Header Pin: Brass
Plating (Receptacle Terminal):
- Contact Area — Pre-Tin
Plating (Header Pin):
- Contact Area — Tin
Operating Temperature: -40 to +105°C

Ordering Information

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<th>Series No.</th>
<th>Pitch (mm)</th>
<th>Component</th>
<th>AWG Circuits</th>
<th>Rows</th>
<th>Color</th>
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<td>Right-Angle Header</td>
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www.molex.com/link/micro-latch.html

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Order No. 987651-0983
USA/04/GF/2018.07
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