Ideal for compact applications, the MicroTPA 2.00mm Wire-to-Board and Wire-to-Wire Connector System provides electrical and mechanical reliability in a high-temperature design that meets a diverse range of industry requirements.

Features and Advantages

- **Uses popular crimp terminals**
  - Readily available, wide tooling installation base in market

- **Applicable cable**
  - Terminal accepts wide range of wire sizes (22 to 28 AWG)

- **Vertical through-hole high-wall header**
  - Raised bottom and ledge allows potting material to cover the PCB in order to prevent water from entering the connector

- **Vertical through-hole Header**
  - All circuits from 2 to 15 circuits

- **TPA retainer**
  - Ensures wire are fully inserted

- **Positive lock**
  - Lock structure to mate with harness and plug header. Good mating retention

- **2.00mm-pitch connector with positive lock**
  - Delivers secure mating retention without sacrificing compactness

- **RoHS compliant and high-temperature capabilities**
  - Withstands harsh environments

Applications

**Consumers**
- White goods
- Washing machine
- Air conditioners
- Laser printers
- Vacuum cleaners

**Automotive**
- Steering wheel, paddle shift, combination switches
- Shifters
- Head-, rear- and side-mirror lights
- Internal connection with other units
MicroTPA 2.00mm-Pitch Wire-to-Board and Wire-to-Wire Connector System

Specifications

REFERENCE INFORMATION
Packaging:
- Reel (Terminal)
- Tray (Header Assembly)
- Bag (Receptacle Housing)
Mates With: MicroTPA Connectors (55487/55755)
Used With:
- 51216 (Rec Housing)
- 51217 (Retainer)
- 59370 (Receptacle Terminal)
- 56086 (Plug Terminal)
Designed In: Millimeters
RoHS: Yes
Low Halogen: No

ELECTRICAL
- Voltage (max.): 250V
- Current (max.): 2.5A (22 AWG)
- Contact Resistance (max.): 20 milliohms
- Dielectric Withstanding Voltage: 1000V AC (1 minute)
- Insulation Resistance (min.): 1000 Megohms

MECHANICAL
- Crimp Terminal Insertion Force (max.): 9.8N
- Crimp Terminal Retention Force (min.): 9.8N
- Pin Retention Force (min.): 9.8N
- Crimping Strength (min.): 44.1N (22 AWG)
- Durability (max.): 30 cycles

PHYSICAL
- Housing:
  - Receptacle: PBTP
  - Plug Housing: PBTP
  - Header: PA66
- Terminal/Pin (plating):
  - Receptacle: Phosphor Bronze (Pre-Tin)
  - Plug: Phosphor Bronze (Pre-Tin)
  - Header Pin: Brass (Pre-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>Circuits</th>
<th>Rows</th>
<th>Color</th>
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<td>22 to 28 AWG</td>
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<td>22 to 28 AWG</td>
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<td>Receptacle Housing</td>
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<td>Plug Vertical Header (High-Wall version)</td>
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