

INTRODUCING

AMPMODU 2 mm WIRE-TO-BOARD CRIMP RECEPTACLES

- **38% space savings on PCB board as compared to the traditional 2.54 mm [0.100"] centerline connectors**
- **Reliable connection in high vibration environments with a detent latching variant**



TE Connectivity's (TE) AMPMODU 2 mm connectors reliably and economically meet the packaging and interconnection requirements of today's miniature sophisticated electronics, occupying 38 percent less space on a PCB than traditional 2.54 mm [0.100"] centerline connectors. The new Wire-to-Board crimp receptacle family includes standard and detent latching housing styles along with contacts for wire ranges 30 - 24AWG [0.05 - 0.22 mm²]. The receptacle assemblies utilize phosphor bronze contacts with dual cantilever beams in gold or tin plating options. Connectors are available in a single and double row, from 2 to 25 positions per row. The housing design with detent latches offers a reliable interconnection in high-vibration industrial environments. Additionally, wire termination is easily accomplished with TE recommended hand or applicator tooling. Along with TE's Board-to-Board portfolio, the 2 mm crimp receptacle family can meet a wide variety of customer requirements.

KEY BENEFITS

- Design flexibility with various crimp terminal options for wire sizes 30 - 24AWG [0.05 - 0.22 mm²]
- Easy wire termination with manual or automatic TE-recommended tooling

APPLICATIONS

- PLC/IO Devices
- Servo Drives
- Material Handling Equipment
- Building and Home Automation Devices
- Industrial Controls
- Robotics
- Instrumentation and Test Equipment

ELECTRICAL

- **Current Rating:** 2A (max.)
- **Dielectric Withstanding Voltage:** 650VAC
- **Operating Voltage:** 125Vrms (max.)

MECHANICAL

- **Operating temperature:**
 - -40°C to 105°C for tin plated receptacles
 - -40°C to 125°C for gold plated receptacles
- **Vibration:** No electrical discontinuity greater than 1 microsecond

MATERIALS

- **Plating:**
 - 30µ" [0.76µm] gold
 - 15µ" [0.38µm] gold
 - 4µ" [0.1µm] gold flash
 - Tin
- **Contact Material:** Phosphor bronze
- **Housing Material:** High-temperature plastic (LCP), black
- **Environmental:** UL94V0, low halogen
- Operating environment class III

SPECIFICATIONS

- **Product specification:** [108-64040-1](#)
- **Application specification:** [114-32173](#)
- RoHS & REACH compliant
- UL and CSA certified
- VDE approval pending

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