

INTRODUCING

AMPMODU SMALL CENTERLINE INTERCONNECTION SYSTEMS

- **85% space savings on PCB with 1.0 mm centerline as compared to 2.54 mm [0.100"] connectors**
- **Reliable signal transfers through two points of contact even in severe shock/vibration applications**

TE Connectivity's (TE) AMPMODU Small Centerline Interconnection Systems are fine pitch 1.0 mm [0.0394"] connectors that offer 85% space savings on the board when compared to standard 2.54 mm pitch products. Their dual-beam contact design provides a reliable electrical connection even in severe shock and vibration environments. To serve a broad range of design requirements, the portfolio offers up to 100 positions with 2 plating options and supports automated surface mounting and reflow processes.

KEY FEATURES

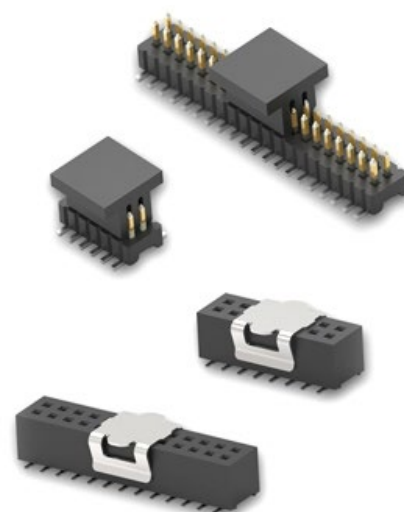
- **Centerline:** 1.0 mm [0.0394"]
- **Mounting style:** surface mount
- **Mounting angle:** vertical
- **Receptacle contact design:** dual beam
- **Receptacle entry specification:** dual entry
- **Housing material:** high-temp thermoplastic (LCP)
- **Packaging:** tubes with Pick & Place caps
- **Connector size:** double row, 5-100 per row
- **Solderability:** re-flow capable up to 260°C

KEY BENEFITS

- Manufacturing flexibility in automated environment with surface mount configuration with pick and place cap
- Improved durability and corrosion resistance with gold plating
- Time savings thanks to reflow capable materials
- Greater flexibility in assembly of boards with dual entry receptacles

APPLICATIONS

- Industrial controls
- Building and home automation devices
- Servo drives
- Programmable logic controllers (PLC)
- IO devices
- Telecommunication equipment
- Robotics
- Instrumentation and test equipment



STANDARDS & SPECIFICATIONS

- RoHS compliant
- REACH compliant
- **Product specification:** [108-32154](#)
- **Application specification:** Receptacle: [114-32329](#)
Header: [114-32210](#)
- UL recognized at 1.0A
- CSA recognized at 0.8A

ELECTRICAL

- **Current rating:** 1A max per contact
- **Operating voltage:** 30VAC
- **Dielectric withstanding voltage:** 300VAC

MATERIALS

- **Housing:** high-temperature thermoplastic (LCP)
- **Header/receptacle contact material:** copper alloy
- **Plating options:** 30µ" [0.76 µm] gold 5µ" [0.1 µm] gold flash

MECHANICAL

- **Operating temperature:** -55°C to +125°C
- **Vibration:** EIA-364-28, no electrical discontinuity greater than 1 microsecond
- **Solderability:** re-flow capable up to 260°C

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