

AMPMODU SMALL CENTERLINE

Tape & Reel packed for automated assembly

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.

TAPE & REEL PACKAGING

The existing product portfolio of Small Centerline products is now extended with Tape & Reel packaging. New Tape & Reel packaging allows further automation of assembly and enables placement of connectors onto the board in automated assembly with pick and place caps.

BENEFITS

- 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
- 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

AMPMODU SMALL CENTERLINE

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
Tape and reel with Pick & Place caps
- **Connector size:** double row, 5-50 per row
- **Solderability:** re-flow capable up to 260°C

APPLICATIONS

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

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

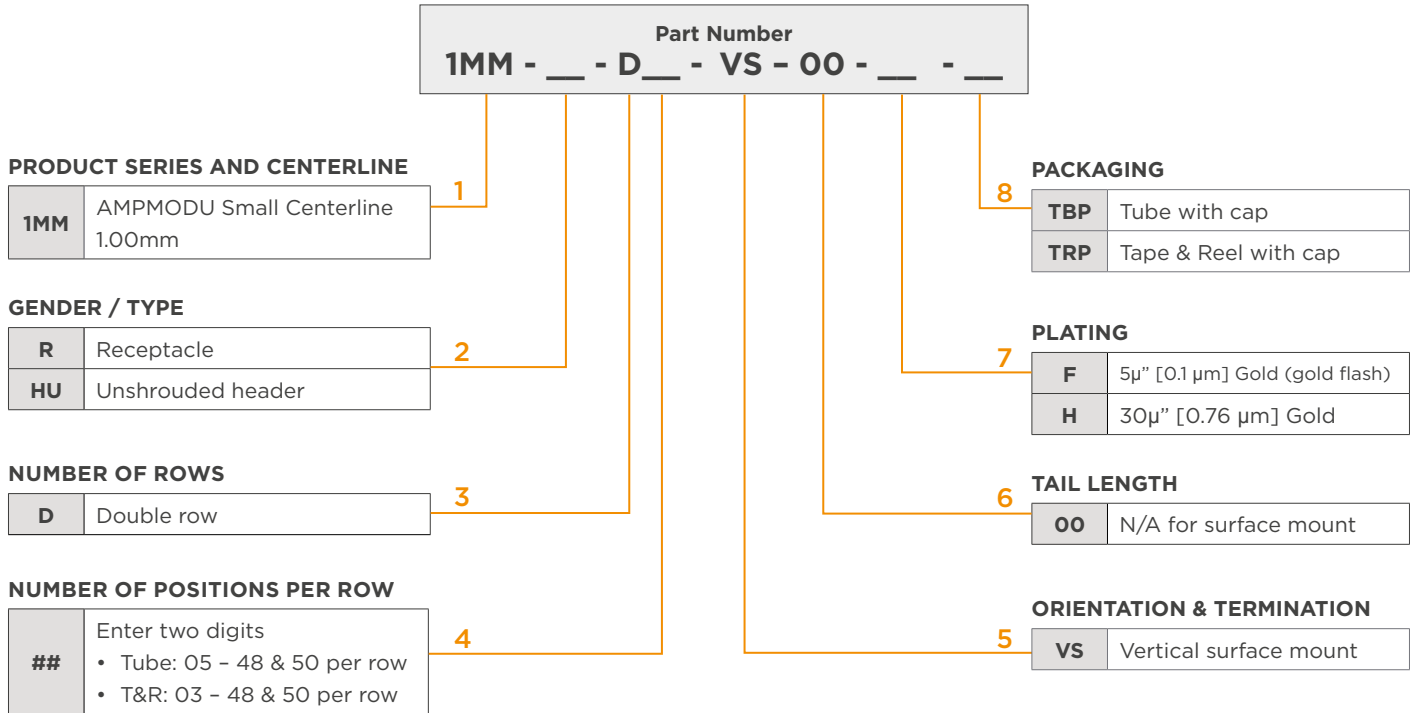
- **Operating temperature:** -55°C to +125°C
- **Vibration:** EIA-364-28, no electrical discontinuity greater than 1 microsecond
- **Solderability:** re-flow capable up to 260°C

STANDARDS

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

AMPMODU SMALL CENTERLINE

SMART PART NUMBERING SYSTEM



SMART PN EXAMPLES

- AMPMODU Small Centerline, 10-position (2 x 5 positions) receptacle, double row, vertical, surface mount, 30μ" gold, tube w/ cap
1MM-R-D05-VS-00-H-TBP
- AMPMODU Small Centerline, 14-position (2 x 7 positions) unshrouded header, double row, vertical, surface mount, gold flash, T&R w/ cap
1MM-HU-D07-VS-00-F-TRP

te.com

© 2022 TE Connectivity. All Rights Reserved.

AMPMODU, TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

3-1773984-4 06/22 MU