



AMPMODU 50/50 GRID THRU-HOLE

For Vertical Dual Row Headers and Receptacles

TE Connectivity's (TE) AMPMODU 50/50 Grid Thru-Hole for Vertical Dual Row Headers and Receptacles utilize copper alloy contacts with dual cantilever beams that are available in gold plating. The dual-beam contact design provides a reliable electrical connection even in severe shock and vibration environments. These new products offer significant space savings as compared to the traditional centerline products, while reliably and economically meeting the packaging and interconnection requirements of today's miniature, sophisticated electronics. All while increasing the portfolio range for fine pitch (less than 2mm) connectors, supporting automated pick-and-place and reflow processes.

BENEFITS

- Provides a reliable electrical connection even in severe shock/vibration environments
- Ease of assembly with thru-hole-reflow manufacturing
- Suitable for high-density systems
- Improves soldering process with mechanical hold-down feature
- Enables reflow process with high-temperature housing
- Increases free drainage of flux cleaning solutions with incorporated stand-offs

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APPLICATIONS

- PLC/IO
- Servo drives
- Building and home automation devices (smart thermostats, smart door locks, building controllers)
- Robotics
- Aerospace / Defense
- Test / Measurement equipment
- Telecommunication equipment
- Storage equipment
- Appliances

SPECIFICATIONS

- RoHS compliant version available
- REACH compliant
- Product specification: [108-1332](#)
- Application specification: [114-7010](#)

MECHANICAL

- Operating temperature: -65°C to +105°C
- Vibration: 16 G's rms for 20 min. in each (3) mutually perpendicular plane

ELECTRICAL

- Current rating: 0.5 A max per contact
- Voltage rating: 30 VAC
- Dielectrical withstanding voltage: 300 VAC
- Operating voltage: 30 VAC

MATERIALS

- Header/receptacle contact material: Copper Alloy
- Plating: 0.76µm/0.30µin gold

PRODUCT INFORMATION

| Description | Positions | Type | Packaging | Stack Height | Base Part Number |
|--|-----------|------------|-------------|--------------|-------------------------|
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Receptacle | 10-100 | Receptacle | Tube | N/A | 2267254 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Receptacle | 10-100 | Receptacle | Tape & Reel | N/A | 2267261 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .250 | 10-100 | Header | Tube | 0.250 | 1571424 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .250 | 10-100 | Header | Tape & Reel | 0.250 | 2267258 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .320 | 10-100 | Header | Tube | 0.320 | 2267255 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .320 | 10-100 | Header | Tape & Reel | 0.320 | 2267259 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .390 | 10-100 | Header | Tube | 0.390 | 2267256 |
| AMPMODU 50/50 GRID Double-Row Vertical Thru-Hole Header .390 | 10-100 | Header | Tape & Reel | 0.390 | 2267260 |

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1-1773980-2 07/2019 ML