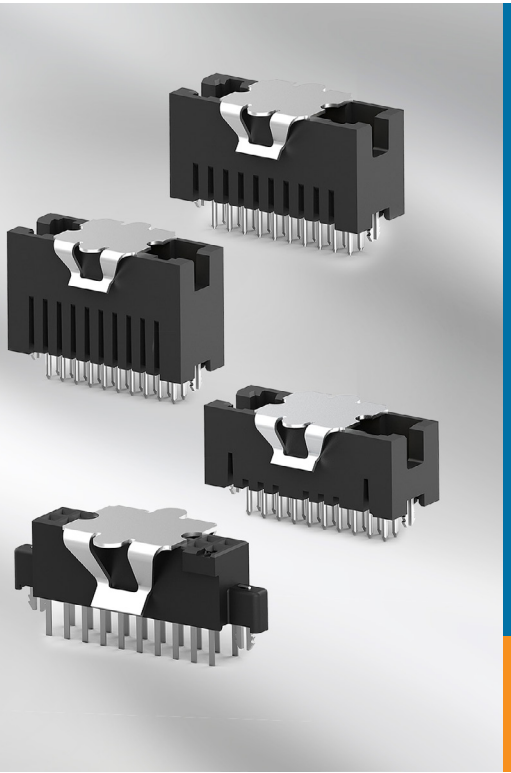




AMPMODU 50/50 GRID THRU-HOLE

For Vertical Dual Row Headers and Receptacles

TE Connectivity's (TE) AMPMODU 50/50 Grid are signal connectors with a 1.27mm [0.050"] centerline that are available in 30μ" [0.76μm] gold plating. The AMPMODU 50/50 Grid product family is now expanding by adding a thru-hole offering to our existing surface-mount variants suitable for automated pick-and-place and reflow processes. The receptacle dual-beam contact design provides a reliable electrical connection even in severe shock and vibration environments. AMPMODU 50/50 products offer up to 62% space savings as compared to the traditional 2.54mm [0.100"] centerline products, while reliably and economically meeting the packaging and interconnection requirements of today's miniature, sophisticated electronics.

APPLICATIONS

- PLC/IO
- Servo drives
- Building and home automation devices (smart thermostats, smart door locks, building controllers)
- Factory automation
- Robotics
- Machine tools
- Test / Measurement equipment
- Telecommunication equipment
- Storage equipment
- Medical equipment

BENEFITS

- Provides a reliable electrical connection even in severe shock/vibration environments
- Ease of assembly with automated pick-and-place and thru-hole-reflow manufacturing
- Suitable for high-density systems
- Improves soldering process with a mechanical hold-down feature
- Enables free drainage of flux cleaning solution with incorporated stand-offs
- Up to 62% space savings on PCB versus 2.54mm [0.100"]

AMPMODU 50/50 Grid Thru-Hole For Vertical Dual Row Headers and Receptacles

ELECTRICAL

- **Current rating:** 3.9A max per contact
- **Voltage rating:** 30VAC
- **Dielectrical withstanding voltage:** 300VAC
- **Operating voltage:** 30VAC

MECHANICAL

- **Operating temperature:** -65°C to +105°C
- **Vibration:** No electrical discontinuity greater than 1 microsecond

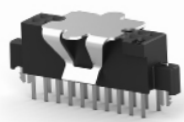
MATERIALS

- **Header / Receptacle contact material:** Copper alloy
- **Plating:** 30µ" [0.76µm] Gold

SPECIFICATIONS

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

PRODUCT INFORMATION

Type	# of Rows	Position Size	Mounting Style	Plating	Stack Height	Packaging	Base Part Number
Vertical Receptacle 	2	10, 20,30, 40, 50, 60, 70, 80, 90, 100	Thru-Hole	30μ" [0.76μm] Gold	N/A	Tube	2267254
Tape & Reel						2267261	
Vertical Header 					0.250" [6.35mm]	Tube	1571424
						Tape & Reel	2267258
					0.320" [8.13mm]	Tube	2267255
						Tape & Reel	2267259
					0.390" [9.91mm]	Tube	2267256
						Tape & Reel	2267260

PART NUMBER DEFINITION

RoHS Non-Compliant Parts (Tin-Lead on Solder Tails)			
Positions	Part Number	Positions	Part Number
10 (5x2)	xxxxxxx-1	60 (30x2)	xxxxxxx-6
20 (10x2)	xxxxxxx-2	70 (35x2)	xxxxxxx-7
30 (15x2)	xxxxxxx-3	80 (40x2)	xxxxxxx-8
40 (20x2)	xxxxxxx-4	90 (45x2)	xxxxxxx-9
50 (25x2)	xxxxxxx-5	100 (50x2)	1-xxxxxxx-0

RoHS Compliant Parts (Tin on Solder Tails)			
Positions	Part Number	Positions	Part Number
10 (5x2)	5-xxxxxxx-1	60 (30x2)	5-xxxxxxx-6
20 (10x2)	5-xxxxxxx-2	70 (35x2)	5-xxxxxxx-7
30 (15x2)	5-xxxxxxx-3	80 (40x2)	5-xxxxxxx-8
40 (20x2)	5-xxxxxxx-4	90 (45x2)	5-xxxxxxx-9
50 (25x2)	5-xxxxxxx-5	100 (50x2)	6-xxxxxxx-0

te.com

AMPMODU TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. 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.

© 2020 TE Connectivity. All Rights Reserved.

1-1773980-2 01/2020 ML