

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 30 μ m [0.76 μ m] 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

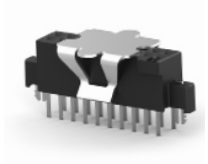

MATERIALS

- **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
					0.320" [8.13mm]	Tape & Reel	2267258
						Tube	2267255
					0.390" [9.91mm]	Tape & Reel	2267259
						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

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