

AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES

TE Connectivity (TE) AMPMODU 2mm Board-to-Board receptacles utilize phosphor bronze contacts with dual cantilever beams that are available in available in three gold plating options. The dual-beam design provides for an increased contact surface between the header pin and the receptacle contact to allow reliable signal transfer. Housed in a high-temperature-resistant liquid crystal polymer (LCP) plastic, receptacles can be applied in automated surface-mount, through-hole-reflow (Pin-in-Paste) and traditional through-hole mount processes. The complete portfolio includes various top- and dual-entry vertical and horizontal receptacles that offer multiple options for Board-to-Board stacking of header and receptacle combinations.

KEY FEATURES

- **Centerline:** 2.00mm [0.079"]
- Dual beam receptacle contact
- Top- and dual-entry vertical and horizontal receptacle assemblies
- Surface-mount and through-hole with multiple solder tail lengths for various PCB thicknesses, 1.6mm to 2.4mm [0.063" to 0.094"]
- Available in tube, tape and reel packaging
- Up to 25 positions per row, single and dual row offering
- **Environmental:** UL94V0, halogen free / low halogen

APPLICATIONS

- PLC
- Servo Drives
- Industrial Controls
- Material Handling
- Instrumentation and Test Equipment
- Building Automation

BENEFITS

- Occupies 38% less space on PCB board compared with 2.54mm [0.1"] centerline, allowing for extended functionality
- Two-point electrical stability for reliable header and receptacle interconnection
- Multiple options for Board-to-Board stacking by headers and receptacles combination
- Ease of assembly with automated surface-mount and through-hole-reflow manufacturing

ELECTRICAL

- **Current Rating:** 2A (max.)
- **Dielectric Withstanding Voltage:** 650VAC
- **Operating Voltage:** 125VDC

MECHANICAL

- **Operating Temperature:** -40°C to 125°C with gold plating
- **Vibration:** No electrical discontinuity greater than 1 microsecond
- **Reflow Solder:** Capable to 260°C

MATERIALS

- **Plating:**
 - 30μ" [0.76μm] Gold
 - 15μ" [0.38μm] Gold
 - 4μ" [0.1μm] Gold
- **Contact Material:** Phosphor Bronze
- **Housing Material:** High temperature plastic (LCP), UL 94V0, Black

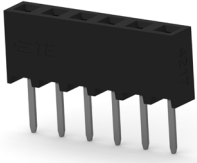
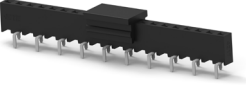
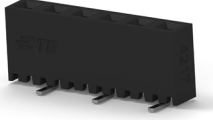
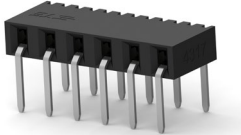
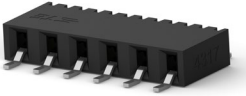
SPECIFICATIONS

- RoHS & REACH Compliant
- UL Certified
- VDE Approval Pending
- **Product Specification:** [108-64040](#)
- **Application Specification:** [114-32186](#)

AMPMODU 2mm Board-to-Board Receptacles

PRODUCT OFFERINGS

Board-to-Board Single Row Receptacles - Position size 2-25

Product Type	Product Image	Drawing	Solder Tail Length	0.1µm [4µ"] Gold	0.38µm [15µ"] Gold	0.76µm [30µ"] Gold	Packaging
Vertical Top Entry TH/THR		2307764	2.0mm [0.079"]	2307767	2307770	2307773	Tape & Reel (with Cap)
				2314868	2314869	2314870	Tube (with Cap)
			2.7mm [0.106"]	2314876	2314877	2314878	Tube (without Cap)
				2307768	2307771	2307774	Tape & Reel (with Cap)
			3.2mm [0.126"]	2314880	2314881	2314882	Tube (with Cap)
				2307769	2307772	2307775	Tube (without Cap)
Vertical Dual Entry Outrigger TH/THR		2307832	2.3mm [0.091"]	2307835	2307838	2307841	Tape & Reel (with Cap)
				2314900	2314901	2314902	Tube (with Cap)
			2.8mm [0.110"]	2314908	2314909	2314910	Tube (without Cap)
				2307836	2307839	2307842	Tape & Reel (with Cap)
			3.4mm [0.134"]	2314912	2338990	2314914	Tube (with Cap)
				2307837	2307840	2307843	Tube (without Cap)
Vertical Dual Entry SMT		2307812	SMT	2307813	2307814	2307815	Tape & Reel (with Cap)
				2314848	2314849	2314850	Tube (with Cap)
Horizontal TH/THR		2307700	2.1mm [0.083"]	2307703	2307706	2307709	Tape & Reel (without Cap)
				2314928	2314929	2314930	Tube (without Cap)
			2.8mm [0.110"]	2314936	2314937	2314938	Tube (without Cap)
				2307704	2307707	2307710	Tape & Reel (without Cap)
3.4mm [0.134"]	2307705	2307708	2307711	Tube (without Cap)			
Horizontal SMT		2307724	SMT	2307725	2307726	2307727	Tape & Reel (without Cap)
				2314944	2314945	2314946	Tube (without Cap)

*Need a tin plated receptacle? Our product specialists are available to help. [Contact us now](#)

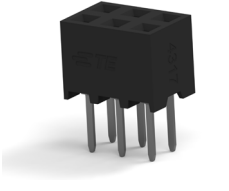
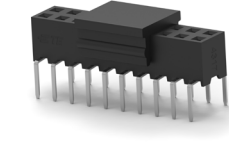
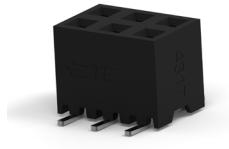
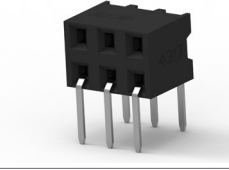
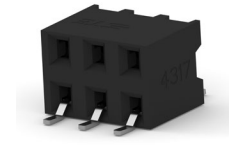
PART NUMBER DEFINITION

Single Row [2-25pins]					
Position	Part Number	Position	Part Number	Position	Part Number
2	xxxxxxx-2	10	1-xxxxxxx-0	18	1-xxxxxxx-8
3	xxxxxxx-3	11	1-xxxxxxx-1	19	1-xxxxxxx-9
4	xxxxxxx-4	12	1-xxxxxxx-2	20	2-xxxxxxx-0
5	xxxxxxx-5	13	1-xxxxxxx-3	21	2-xxxxxxx-1
6	xxxxxxx-6	14	1-xxxxxxx-4	22	2-xxxxxxx-2
7	xxxxxxx-7	15	1-xxxxxxx-5	23	2-xxxxxxx-3
8	xxxxxxx-8	16	1-xxxxxxx-6	24	2-xxxxxxx-4
9	xxxxxxx-9	17	1-xxxxxxx-7	25	2-xxxxxxx-5

AMPMODU 2mm Board-to-Board Receptacles

PRODUCT OFFERINGS

Board-to-Board Double Row Receptacles - Position size 4-50

Product Type	Product Image	Drawing	Solder Tail Length	0.1µm [4µ"] Gold	0.38µm [15µ"] Gold	0.76µm [30µ"] Gold	Packaging
Vertical Top Entry TH/THR		2307776	2.0mm [0.079"]	2307779	2307782	2307785	Tape & Reel (with Cap)
				2314812	2314813	2314814	Tube (with Cap)
			2.7mm [0.106"]	2314820	2314821	2314822	Tube (without Cap)
				2307780	2307783	2307786	Tape & Reel (with Cap)
			3.2mm [0.126"]	2314824	2314825	2314826	Tube (with Cap)
				2307781	2307784	2307787	Tube (without Cap)
Vertical Dual Entry Outrigger TH/THR		2307820	2.3mm [0.091"]	2307823	2307826	2307829	Tape & Reel (with Cap)
				2314852	2314853	2314113	Tube (with Cap)
			2.8mm [0.110"]	2314860	2314861	2314862	Tube (without Cap)
				2307824	2307827	2307830	Tape & Reel (with Cap)
			3.4mm [0.134"]	2314864	2314865	2314866	Tube (with Cap)
				2307825	2307828	2307831	Tube (without Cap)
Vertical Dual Entry SMT		2307816	SMT	2307817	2307818	2307819	Tape & Reel (with Cap)
				2314844	2314845	2314846	Tube (with Cap)
Horizontal TH/THR		2307712	2.1mm [0.083"]	2307715	2307718	2307721	Tape & Reel (without Cap)
				2314916	2314917	2314918	Tube (without Cap)
			2.8mm [0.110"]	2314924	2314925	2314926	Tape & Reel (without Cap)
				2307716	2307719	2307722	Tape & Reel (without Cap)
3.4mm [0.134"]	2307717	2307720	2307723	Tube (without Cap)			
Horizontal SMT		2307728	SMT	2307729	2307730	2307731	Tape & Reel (without Cap)
				2314940	2314941	2314942	Tube (without Cap)

*Need a tin plated receptacle? Our product specialists are available to help. [Contact us now](#)

PART NUMBER DEFINITION					
Double Row [4-50 pins]					
Position	Part Number	Position	Part Number	Position	Part Number
4 (2x2)	xxxxxx-4	20 (10x2)	2-xxxxxx-0	36 (18x2)	3-xxxxxx-6
6 (3x2)	xxxxxx-6	22 (11x2)	2-xxxxxx-2	38 (19x2)	3-xxxxxx-8
8 (4x2)	xxxxxx-8	24 (12x2)	2-xxxxxx-4	40 (20x2)	4-xxxxxx-0
10 (5x2)	1-xxxxxx-0	26 (13x2)	2-xxxxxx-6	42 (21x2)	4-xxxxxx-2
12 (6x2)	1-xxxxxx-2	28 (14x2)	2-xxxxxx-8	44 (22x2)	4-xxxxxx-4
14 (7x2)	1-xxxxxx-4	30 (15x2)	3-xxxxxx-0	46 (13x2)	4-xxxxxx-6
16 (8x2)	1-xxxxxx-6	32 (16x2)	3-xxxxxx-2	48 (14x2)	4-xxxxxx-8
18 (9x2)	1-xxxxxx-8	34 (17x2)	3-xxxxxx-4	50 (25x2)	5-xxxxxx-0

AMPMODU 2mm Board-to-Board Receptacles

te.com

© 2019 TE Connectivity. All Rights Reserved.

AMPMODU, TE, TE Connectivity, and the TE Connectivity (logo) are trademarks of TE Connectivity. Other logos, product and company names mentioned herein may 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.

1-1773968-2 SL 12/19 Tangence