

AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES

AMPMODU 2mm Board-to-Board receptacles utilize phosphor bronze contacts with dual cantilever beams that are available in either gold or tin plating. 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
- 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 thickness, 1.6mm to 2.4mm
- High Temperature Plastic (LCP) housing
- Available in tube, tape and reel packaging
- Up to 25 positions per row, single and dual row offering
- Environmental: UL94V0, halogen free/low halogen

ELECTRICAL

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

MECHANICAL

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

BENEFITS

- Occupies 38% less space on PCB board compared with 2.54mm 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-mounting and through-hole-reflow manufacturing

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

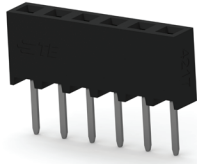
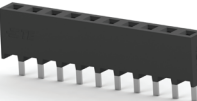


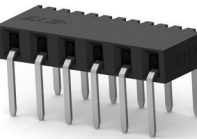

STANDARDS & APPLICATIONS

- RoHS & REACH Compliant
- UL Recognition Pending
- 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 (mm)	4 μ "(0.1 μ m) Gold Flash	15 μ "(0.38 μ m) Gold	30 μ "(0.76 μ m) Gold	Packaging
Vertical Top Entry TH/THR		2307764	2.0	2307767	2307770	2307773	T&R w/ cap
				2314868	2314869	2314870	Tube w/ cap
			2.7	2314876	2314877	2314878	Tube w/o cap
				2307768	2307771	2307774	T&R w/ cap
				2314880	2314881	2314882	Tube w/ cap
			3.2	2307769	2307772	2307775	Tube w/o cap
Vertical Dual Entry TH/THR		2307788	2.8	2307791	2307794	2307797	Tube w/o cap
			3.4	2307793	2307796	2307799	Tube w/o cap
Vertical Dual Entry Outrigger TH/THR		2307832	2.3	2307835	2307838	2307841	T&R w/ cap
				2314900	2314901	2314902	Tube w/ cap
			2.8	2314908	2314909	2314910	Tube w/o cap
				2307836	2307839	2307842	T&R w/ cap
				2314912	2338990	2314914	Tube w/ cap
			3.4	2307837	2307840	2307843	Tube w/o cap
Vertical Dual Entry SMT		2307812	SMT	2307813	2307814	2307815	T&R w/ cap
				2314848	2314849	2314850	Tube w/ cap
Horizontal TH/THR		2307700	2.1	2307703	2307706	2307709	T&R w/o cap
				2314928	2314929	2314930	Tube w/o cap
			2.8	2314936	2314937	2314938	Tube w/o cap
				2307704	2307707	2307710	T&R w/o cap
3.4	2307705	2307708	2307711	Tube w/o cap			
Horizontal SMT		2307724	SMT	2307725	2307726	2307727	T&R w/o cap
				2314944	2314945	2314946	Tube w/o cap

Note:

1. Part numbers definition

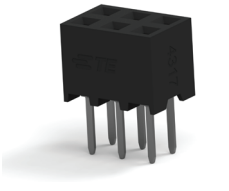
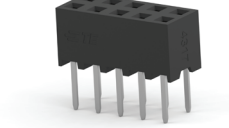
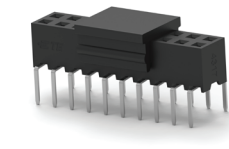
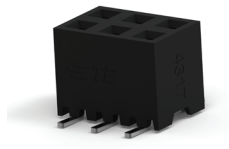
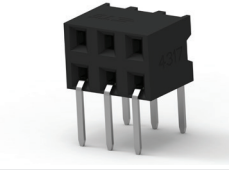
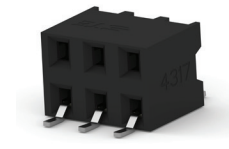
Single Row (2-25pin)		Double Row (4-50pin)	
Position	Part Number	Position	Part Number
2	xxxxxxx-2	4	xxxxxxx-4
3	xxxxxxx-3	6	xxxxxxx-6
...		-	
10	1-xxxxxxx-0	10	1-xxxxxxx-0
11	1-xxxxxxx-1	12	1-xxxxxxx-2
...		-	
25	2-xxxxxxx-5	50	5-xxxxxxx-0

1. For tin-plating products, please contact the local sales.
 2. Please visit TE.com for more product details

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 (mm)	4 μ "(0.1 μ m) Gold Flash	15 μ "(0.38 μ m) Gold	30 μ "(0.76 μ m) Gold	Packaging
Vertical Top Entry TH/THR		2307776	2.0	2307779	2307782	2307785	T&R w/ cap
				2314812	2314813	2314814	Tube w/ cap
			2.7	2314820	2314821	2314822	Tube w/o cap
				2307780	2307783	2307786	T&R w/ cap
				2314824	2314825	2314826	Tube w/ cap
3.2	2307781	2307784	2307787	Tube w/o cap			
Vertical Dual Entry TH/THR		2307800	2.8	2307803	2307806	2307809	Tube w/o cap
			3.4	2307805	2307808	2307811	Tube w/o cap
Vertical Dual Entry Outrigger TH/THR		2307820	2.3	2307823	2307826	2307829	T&R w/ cap
				2314852	2314853	23141413	Tube w/ cap
			2.8	2314860	2314861	2314862	Tube w/o cap
				2307824	2307827	2307830	T&R w/ cap
				2314864	2314865	2314866	Tube w/ cap
3.4	2307825	2307828	2307831	Tube w/o cap			
Vertical Dual Entry SMT		2307816	SMT	2307817	2307818	2307819	T&R w/ cap
				2314844	2314845	2314846	Tube w/ cap
Horizontal TH/THR		2307712	2.1	2307715	2307718	2307721	T&R w/o cap
				2314916	2314917	2314918	Tube w/o cap
			2.8	2314924	2314925	2314926	Tube w/o cap
				2307716	2307719	2307722	T&R w/o cap
				2307717	2307720	2307723	Tube w/o cap
Horizontal SMT		2307728	SMT	2307729	2307730	2307731	T&R w/o cap
				2314940	2314941	2314942	Tube w/o cap

Note:

1. Part numbers definition

Single Row (2-25pin)	
Position	Part Number
2	xxxxxxx-2
3	xxxxxxx-3
...	
10	1-xxxxxxx-0
11	1-xxxxxxx-1
...	
25	2-xxxxxxx-5

Double Row (4-50pin)	
Position	Part Number
4	xxxxxxx-4
6	xxxxxxx-6
-	
10	1-xxxxxxx-0
12	1-xxxxxxx-2
-	
50	5-xxxxxxx-0

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