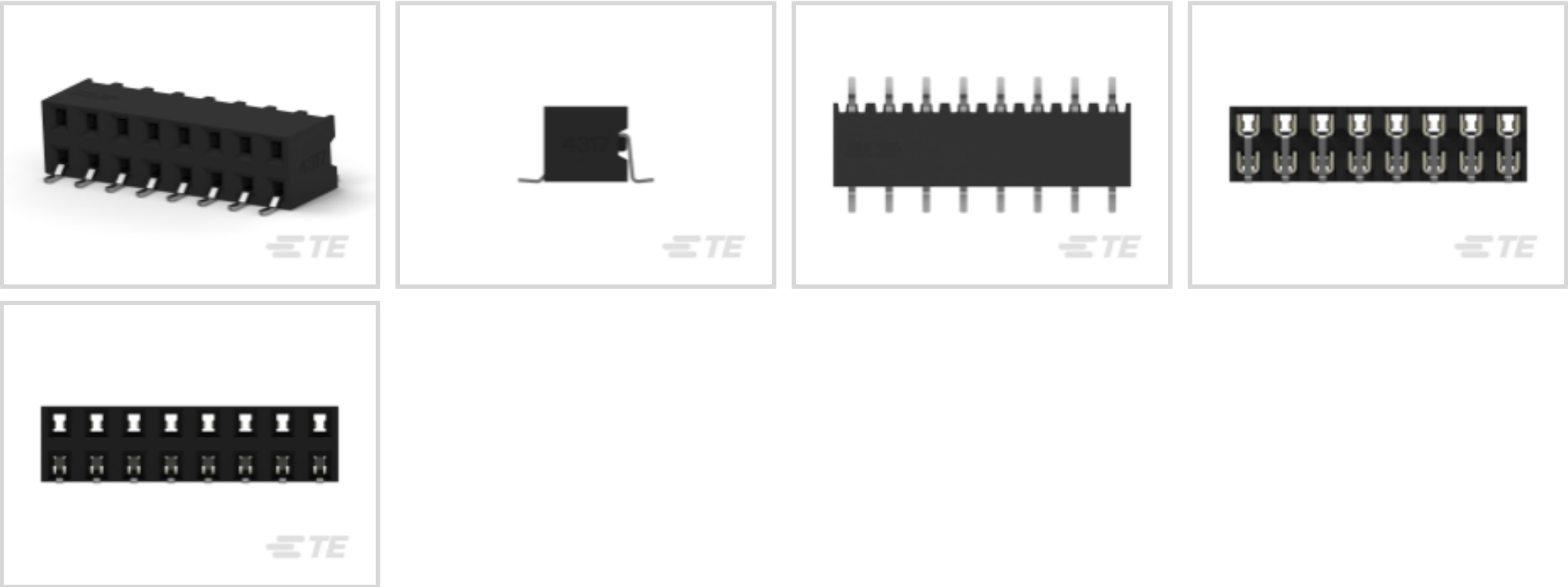




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Horizontal**

Connector System: **Board-to-Board**

Number of Positions: **16**

Centerline (Pitch): **2 mm [.079 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
Number of Loaded Positions	16
PCB Mount Orientation	Horizontal
Number of Positions	16

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	650 VAC
Operating Voltage	125 VAC

Body Features

Connector Profile	Standard
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Contact Features

Contact Layout	Inline
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Select Gold
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.4 mm[.016 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Length	16 mm[.6299 in]
Connector Height	4.1 mm[.16113 in]
Connector Width	7.3 mm[.287 in]
Row-to-Row Spacing	2 mm[.079 in]



Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-40 – 257 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tape & Reel
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>



Compatible Parts

 TE Model / Part # 2842131-8 16P,2MM,BRK HDR,DRV,T,2.8,0.38AU, TB W/CAP	 TE Model / Part # 2842127-8 16P,2MM,BRK HDR,DRV,T,2.8,0.38AU, TB	 TE Model / Part # 2842139-8 16P,2MM,BRK HDR,DRV,T,2.8,0.38AU, BOX	 TE Model / Part # 2842135-8 16P,2MM,BRK HDR,DRV,T,2.8,0.38AU, TR W/CAP
 TE Model / Part # 2842143-8 16P,2MM,BRK HDR,DRV,T,SMD,0.38 AU,TR W/CAP	 TE Model / Part # 2842147-8 16P,2MM,BRK HDR,DRV,T,SMD,0.38 AU,TB W/CAP		

Also in the Series | AMPMODU 2 mm

 Board-to-Board Headers & Receptacles(7546)	 Compression Headers & Receptacles(1)	 Wire-to-Board Connector Assemblies & Housings(65)	 Wire-to-Board Connector Contacts(26)
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Customers Also Bought

 TE Model / Part #5569026-1 RJ25 Connectors	 TE Model / Part #966066-2 ADERENDHUELSE L BL	 TE Model / Part #1393481-5 V23529B1225C209=SUB D STIFTL E I	 TE Model / Part #5177986-4 0.8FH,P05H.5,100,08/Sn,TR,SC
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TE Model / Part #8-1624112-9
3650 0603 0.18uH 5% 2K RL



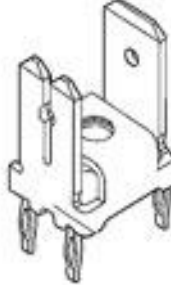
TE Model / Part #1879026-1
YR1 0.1% 10R2



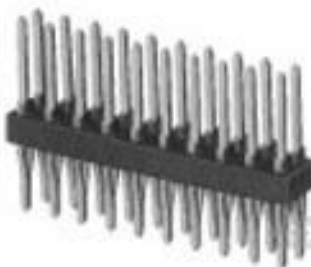
TE Model / Part #7-1879026-6
YR1 0.1% 41R2



TE Model / Part #5161390-2
02P.DIP SWITCH ASSY



TE Model / Part #216905-1
POSITIVE LOCK POWER
RECEPTACLE TPPHBRZ



TE Model / Part #6-969982-8
AMPMODU II Action Pin Header, dual
row

Documents

Product Drawings

16P,2MM,B-B,REC,DRHZ,SMD,0.38AU,TR

English

Datasheets & Catalog Pages

AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English