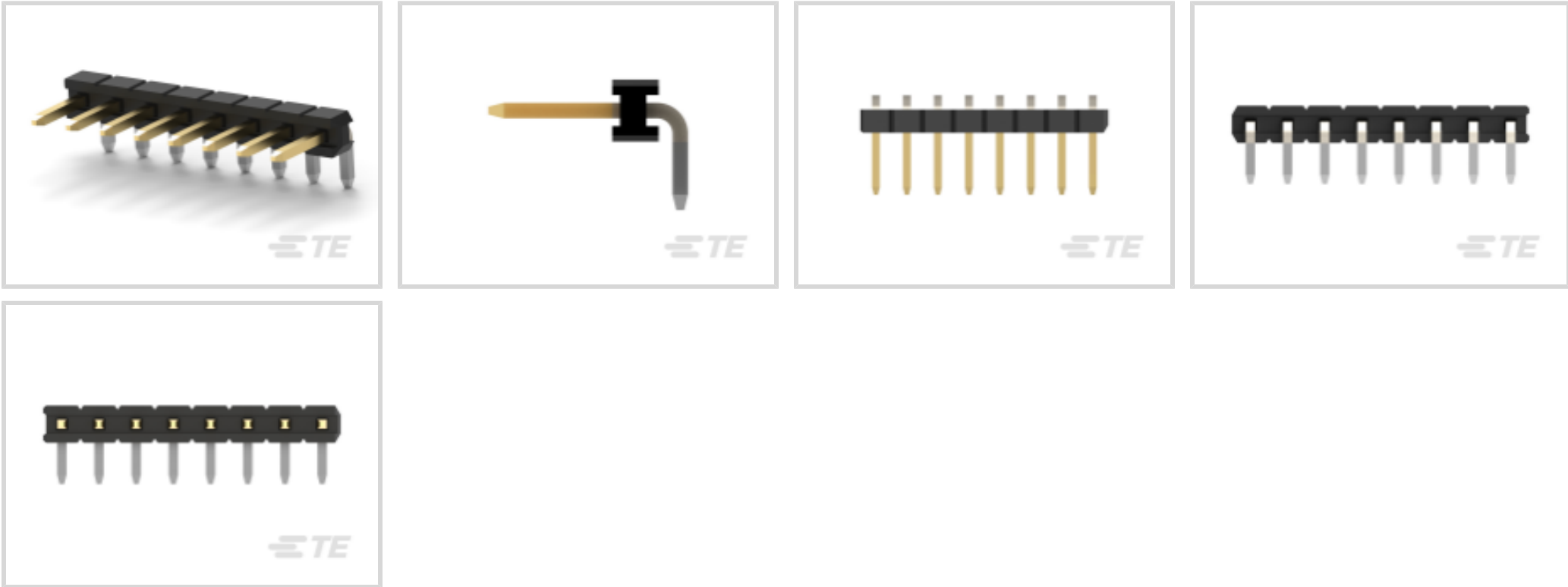




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Operating Voltage	125 VAC

Body Features

Connector Profile	Standard
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Primary Product Color	Black
Contact Features	
Contact Mating Area Length	4 mm[.157 in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	.5 µm[19.69 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.1 µm[3.94 µin]
Contact Type	Pin
Contact Current Rating (Max)	2 A
Termination Features	
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Housing Features	
Centerline (Pitch)	2 mm[.079 in]
Housing Material	PA9T GF
Dimensions	
Connector Length	20 mm[.787 in]
Connector Width	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Usage Conditions	
Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operation/Application	
Assembly Process Feature	Without Pick and Place Cover



Circuit Application	Signal
Industry Standards	
UL Rating	Recognized
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Type	Box
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Product Compliance

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

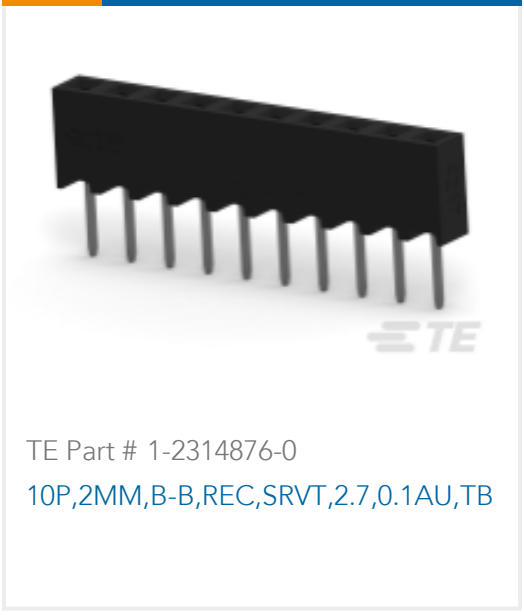
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

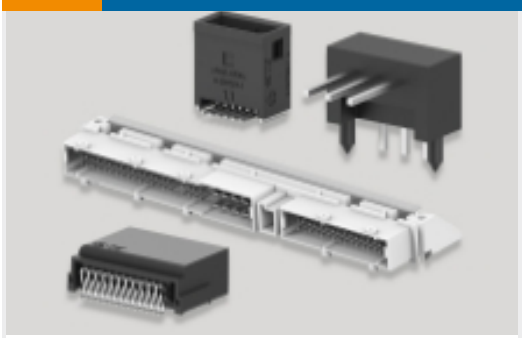
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



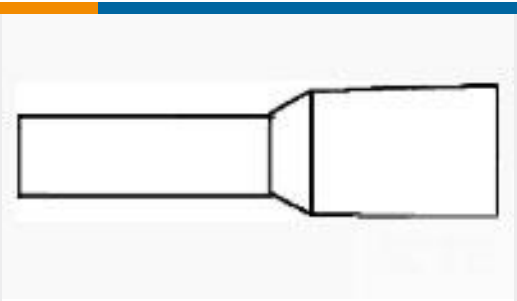
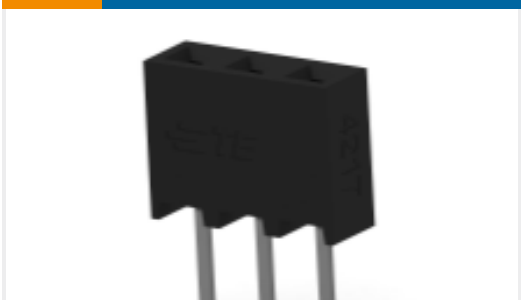
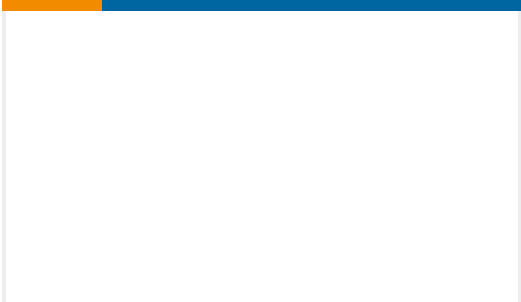
 TE Part # 1-2307813-0 10P,2MM,BB,REC,SRVT,SMD,0.1AU,TR, W/CP	 TE Part # 1-2314868-0 10P,2MM,BB,REC,SRVT,2.0,0.1AU,TB, W/CP	 TE Part # 1-2316102-0 10P,2MM,REC,HSG,SR,CRIMP,PLAIN, BOX	 TE Part # 1-2314848-0 10P,2MM,BB,REC,SRVT,SMD,0.1AU, TB,W/CP
 TE Part # 1-2307767-0 10P,2MM,BB,REC,SRVT,2.0,0.1AU,TR, W/CP	 TE Part # 1-2314876-0 10P,2MM,B-B,REC,SRVT,2.7,0.1AU,TB	 TE Part # 1-2314880-0 10P,2MM,BB,REC,SRVT,2.7,0.1AU,TB, W/CP	 TE Part # 1-2307768-0 10P,2MM,BB,REC,SRVT,2.7,0.1AU,TR, W/CP
 TE Part # 1-2307769-0 10P,2MM,B-B,REC,SRVT,3.2,0.1AU, TUBE	 TE Part # 1-2314900-0 10P,2MM,BB,REC,SRVT,OTR,2.3,AU.1, TB,W/CP	 TE Part # 1-2307835-0 10P,2MM,BB,REC,SRVT,OTR,2.3,AU.1, TR,W/CP	 TE Part # 1-2314908-0 10P,2MM,B-B,REC,SRVT,OTR,2.8,0.1 AU,TB
 TE Part # 1-2314912-0 10P,2MM,BB,REC,SRVT,OTR,2.8,AU.1, TB,W/CP	 TE Part # 1-2307836-0 10P,2MM,BB,REC,SRVT,OTR,2.8,AU.1, TR,W/CP	 TE Part # 1-2307837-0 10P,2MM,B-B,REC,SRVT,OTR,3.4,0.1 AU,TUBE	 TE Part # 1-2317204-0 10P,2MM,REC,IDC,PLAIN,26-30,STRIP, Au0.1

Also in the Series | AMPMODU 2 mm

 PCB Headers & Receptacles(8492)	 Wire-to-Board Connector Assemblies & Housings(202)	 Wire-to-Board Connector Contacts(27)
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Customers Also Bought



 TE Part #35148 TERMINAL,PIDG R 12-10 4	 TE Part #6-1879233-9 SMW5 68R 5%	 TE Part #1571999-6 ADP0404=PIANO DIP SWITCH	 TE Part #1-966067-7 FER,WIRE,PL SLV,2.50/14,L12,BLUE,LP
 TE Part #34163 TERMINAL,PG R 16-14 5/16	 TE Part #2314870-3 3P,2MM,BB,REC,SRVT,2.0,0.76AU,TB,W/CP	 TE Part #1-2176403-5 3550 3R9 1%	 TE Part #1-1462037-4 IM03GR=IM RELAY 140mW 5V
 TE Part #320758 TERMINAL,SOLIS R 16-14HD 5/8	 TE Part #US321-000005-300PG PRESS XDCR US321-000005-300PG		

Documents

Product Drawings
10P,2MM,BRK HDR,SRRT,2.8,0.1AU,BOX
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-2842122-0_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-2842122-0_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-2842122-0_A.3d_stp.zip
English

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Product Specifications



Application Specification

English