



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **12**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Connector Profile	Low
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Primary Product Color	Natural
Contact Features	
Contact Mating Area Length	7.8 mm[.307 in]
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	3 µm[118.11 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Mating Area Plating Material Thickness	3 µm[118.11 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	8 A
Termination Features	
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Housing Features	
Housing Material	Nylon



Centerline (Pitch)	3.96 mm[.156 in]
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Dimensions

	1.87 in
Connector Height	10.9 mm[.429 in]
Connector Width	8.6 mm[.339 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Package

Product Compliance

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





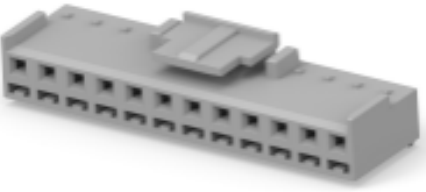
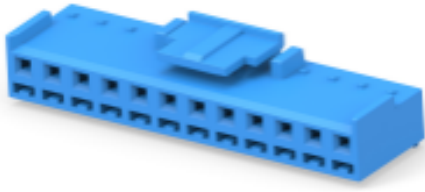
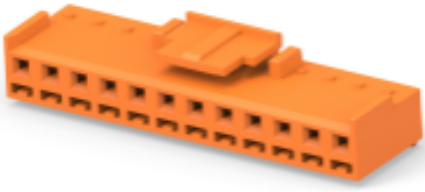

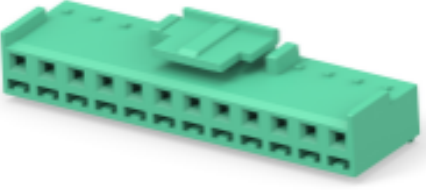
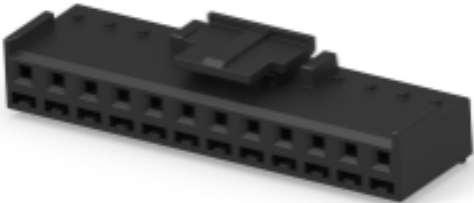
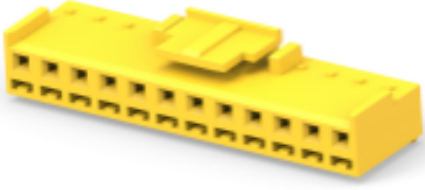
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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	Wave solder capable to 265°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

 <p>TE Part # 1-2132782-2 12 pos. EP II breakaway retain</p>	 <p>TE Part # 1-2377130-2 EP II plug housing, 12P, NON-GWT</p>	 <p>TE Part # 1-1744416-2 12 POS EP II HSG, GLOW WIRE</p>	 <p>TE Part # 1-2421885-2 EP II PLUG HOUSING, 12P, RED, NON-GWT</p>
 <p>TE Part # 1-2421886-2 EP II PLUG HOUSING, 12P, GREY, NON-GWT</p>	 <p>TE Part # 3-2421885-2 EP II PLUG HOUSING, 12P, BLUE, NON-GWT</p>	 <p>TE Part # 3-2421886-2 EP II PLUG HOUSING, 12P, ORANGE, NON-GWT</p>	 <p>TE Part # 4-1744057-5 3.96 EP HDR ASSY 5P W/PEGS,YEL</p>
 <p>TE Part # 5-2421885-2 EP II PLUG HOUSING, 12P, GREEN, NON-GWT</p>	 <p>TE Part # 5-2421886-2 EP II PLUG HOUSING, 12P, BLACK, NON-GWT</p>	 <p>TE Part # 7-2421885-2 EP II PLUG HOUSING, 12P, YELLOW, NON-GWT</p>	

Also in the Series | Economy Power



Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)

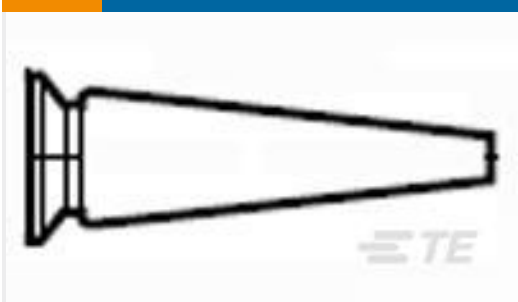


Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part #1-1609112-4
15CBE1=F8274



TE Part #640254-1
KEYING PLUG .045 SQ PST CONN



TE Part #2199070-4
0.5MM FPH BTB, 4H/24POS/15U/TR /WOB



TE Part #7-2176407-7
3560 3R3 5%



TE Part #1-640250-8
18P SL156 HSG W/LCK RAMP NATL



TE Part #1825057-2
ADE0304=DIP SWITCH,EXT,THRU/HL



TE Part #2334100-2
D-SUB CRIMP MALE 15 POS



TE Part #4-647615-2
12P MTA156 POL LOCK HDR ASSY LF



TE Part #CONMCX001
MCX Jack 50 Ohm PCB Through Hole



TE Part #216833-1
15P.HDP20 REC.ASSY.

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-647689-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-647689-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-647689-2_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

VDE Certificate

English