



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	1

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon - GF
Housing Entry Configuration	Both Ends Closed

Termination Features

Termination Method to Wire & Cable	Crimp
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Body Features

Primary Product Color	Natural
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Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without

Contact Features

Contact Current Rating (Max)	4.5 A
Contact Base Material	Copper Alloy
Contact Type	Socket

Operation/Application

Circuit Application	Power
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	250 VAC
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Dimensions

Connector Width	9.58 mm[.377 in]
Connector Height	8 mm[.315 in]
Wire Size	26 – 22 AWG
Connector Length	32.3 mm[1.271 in]

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features



Packaging Method	Bag
Packaging Quantity	300

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 1-1744418-2
12 POS EP 2.5 HDR, GLOW WIRE



TE Part # 1744423-1
EP 2.5 RCPT CONTACT, 24-20 AWG

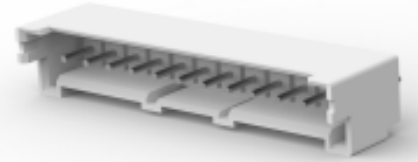


TE Part # 2110989-1
EP 2.5 RCPT CONTACT, 26-22 AWG

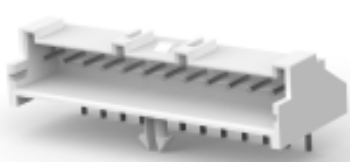


TE Part # 2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG





TE Part # 1-2132415-2
EP2.5 Shrouded HDR ASSY 12P VERT
w/oboss



TE Part # 1-1744426-2
Header Housing Assy, EP 2.5 RA, 12
Pos.



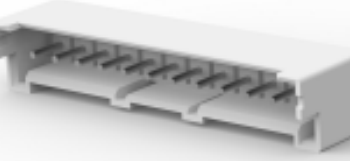
TE Part # 1-1969443-2
EP 2.5 TPA Retainer, 12 Pos



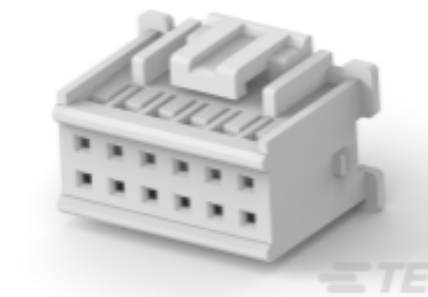
TE Part # 1-1969541-2
RETAINER, TPA, DUAL ROW, EP2.5



TE Part # 1-2132230-2
EP2.5 Shrouded HDR ASSY 12P VE



TE Part # 1-1744439-2
EP2.5 Shrd HDR ASSY 12P VERT, GW



TE Part # 1-2324579-2
HOUSING, PLUG, 12P,DUAL ROW,
EP2.5

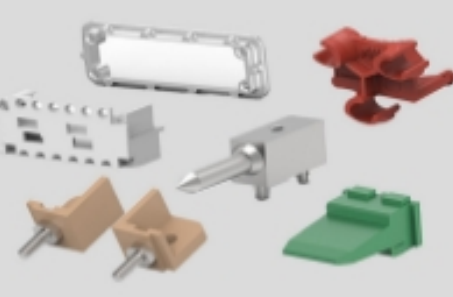


TE Part # 2482324-1
EXTRACTION TOOL

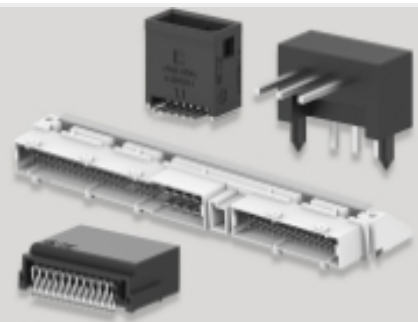
Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



PCB Headers & Receptacles(533)



Wire-to-Board Connector Assemblies
& Housings(305)

Customers Also Bought



TE Part #1-1971772-7
Standard Temperature Caps | POWER
TRIPLE LOCK



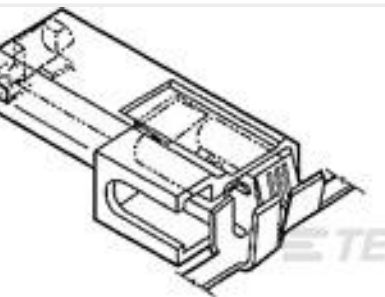
TE Part #1744416-8
8 POS EP II HSG, GLOW WIRE



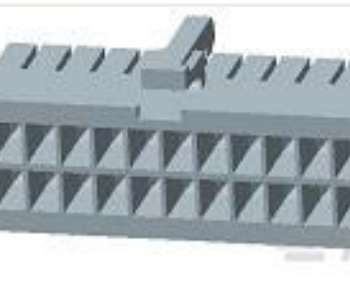
TE Part #1969608-5
5P VAL-U-LOK TPA 22-18 AWG



TE Part #63097-2
POSITIVE LOCK 250 REC 18-14 AWG
BR



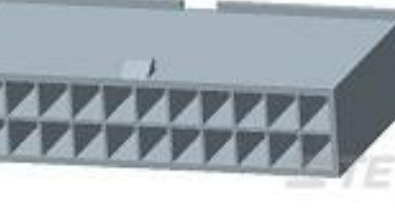
TE Part #1969106-2
ULTRA-POD 187 ASSY REC 22-16
AWG TPBR



TE Part #1969614-4
4P RCPT VAL-U-LOK V0



TE Part #521229-1
PL 250 HOUSING RECEPTACLE
NYLON 6/6



TE Part #1-1969612-0
10P FH PLUG VAL-U-LOK V0



Documents

Product Drawings

EP 2.5 TPA Housing, 12 Pos

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969442-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1969442-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1969442-2_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English