

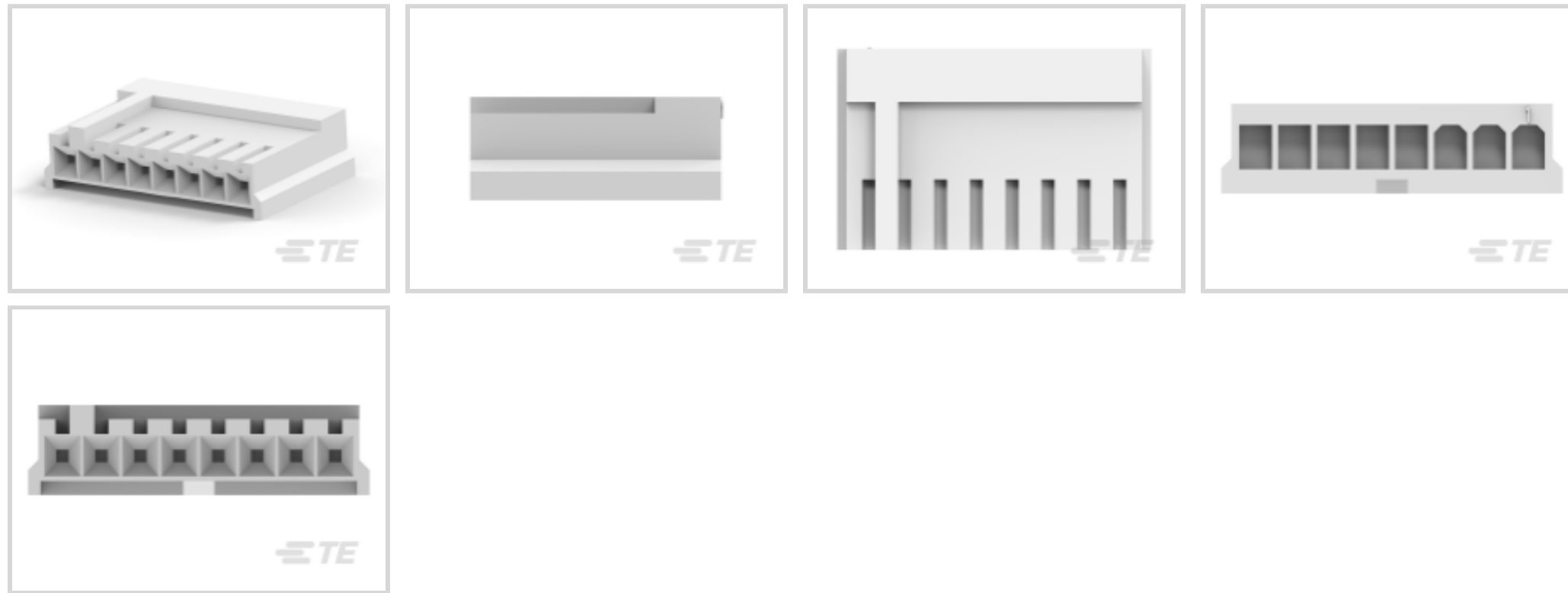


TE Internal #: 171822-8

Housing, Receptacle, Wire-to-Board, 8 Position, 2.5 mm [.098 in]
Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,
Power & Signal

[View on TE.com >](#)

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: **8**

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	8
Number of Rows	1

Housing Features

Centerline (Pitch)	2.5 mm [.098 in]
Housing Material	Nylon 6/6
Housing Entry Configuration	Both Ends Closed

Termination Features

Termination Method to Wire & Cable	Crimp
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Body Features

Primary Product Color	Natural
Connector Profile	Standard

Mechanical Attachment

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

Contact Features

Contact Current Rating (Max)	2 A
Contact Layout	Inline
Contact Type	Socket

Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-20 – 95 °C[-4 – 203 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	350 VDC
Insulation Resistance	500 MΩ

Dimensions

Connector Height	5.75 mm
Connector Length	14 mm

Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

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Packaging Method	Bag
Packaging Quantity	1000

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) SVHC > Threshold: Melamine (3% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

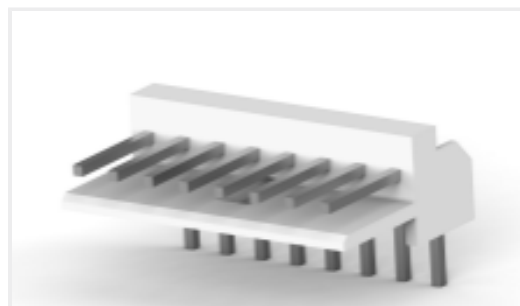
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 170205-1
E.I. SERIES CONTACT LP



TE Part # 171826-8
H-TYPE E.I.S.CONN. 8P ASSY



TE Part # 171825-8
POST HDR ASSY VERT AMP EI CONN



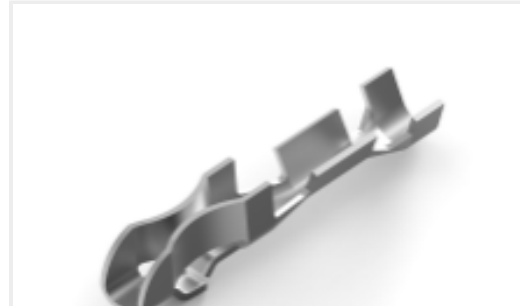
TE Part # 170204-1
EIS RECPT CONTACT



TE Part # 170205-2
E.I. SERIES CONTACT LP



TE Part # 170204-2
EIS CONTACT



TE Part # 170263-2
E.I.S. CONTACT



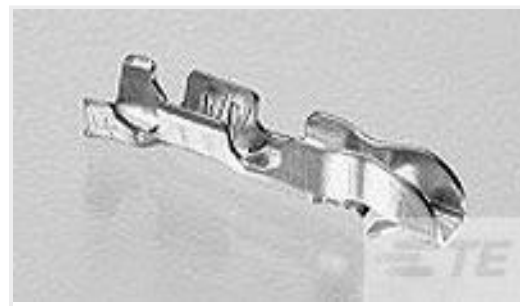
TE Part # 170262-4
EIS CONNECTOR FORMING



TE Part # 170262-2
EIS CONTACT



TE Part # 170262-1
EIS CONTACT



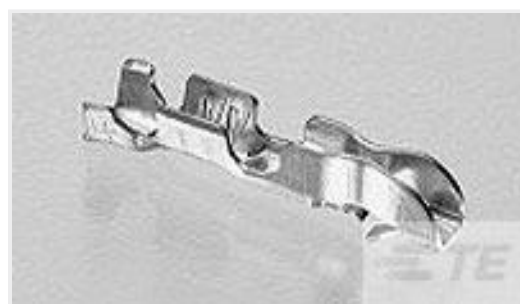
TE Part # 170263-1
EIS CONTACT



TE Part # 177537-8
2.5 M.I.S POST HDR ASSY 8P



TE Part # 172732-8
POST HEADER 8P EIS WITH KINK



TE Part # 170263-3
EIS CONNECTOR FORMING



TE Part # 173081-8
EIS POST ASSY V 8P GOLD NATU.



TE Part # 170262-3
E.I.S CONTACT

Customers Also Bought



TE Part #170204-4
170262-4 LP E1CRIMP SNAP IN



TE Part #172211-8
8P CAP HSG FREE HABG EI S CONN



TE Part #171822-7
EIS REC. HSG 7P-NATURAL



TE Part #171822-5
EIS REC. HSG 5P-NATURAL



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_171822-8_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_171822-8_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_171822-8_R.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_171822-8_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_171822-8_L.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_171822-8_L.2d_dxf.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

[1-1773972-5_EIS_Connectors_Brochure](#)



English

Product Specifications

[Crimping of AMP EI Series Connector Contacts](#)

Japanese

Application Specification

Japanese

Agency Approvals

[Agency Approval Document](#)

English