172142-2 ✔ ACTIVE

TE Internal #: 172142-2

Housing, Receptacle, Wire-to-Board, 2 Position, 2.5mm [.098in] Centerline, Crimp, 1 Row, Natural Housing Color, Mating Retention, Wire & Cable

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: **2**

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	2
Number of Rows	1

Electrical Characteristics

Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

Body Features

Connector Profile	Low

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	7 mm
Connector Height	6.7 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Agency/Standard	UL
CSA Certified	Yes

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	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 # 171826-2
2POS POST HEADER ASSY



TE Part # 171825-2
2 POS EIS POST HDR



TE Part # 170354-1
LOW PROFILE E.I. CONNECTOR



TE Part # 170355-1
EI SER LOW PRO CONN



TE Part # 170369-1
LOW PROFILE EI CONN LP



TE Part # 172211-2
EIS CAP HSG FREE HANG 2P NATUTURAL



TE Part # 176153-2
EIS POST HDR ASSY H 2P GOLD



TE Part # 724676-1
EXTRACTION TOOL (JAPAN)

Customers Also Bought



TE Part #1473562-6
RITS CONN. PLUG ASSY 6P YELLOW



TE Part #172142-3
EIS LOW PROFILE HSG 3P NATURAL



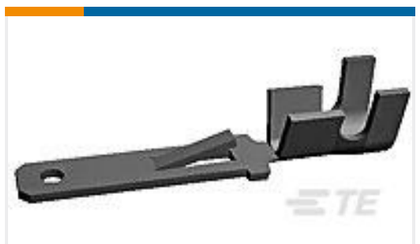
TE Part #172142-4
EIS LOW PROFILE HSG 4P NATURAL



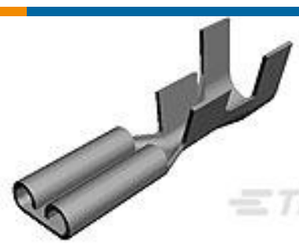
TE Part #170120-1
MATE-N-LOK SOCKET 2



TE Part #170354-1
LOW PROFILE E.I. CONNECTOR



TE Part #170030-1
FF 250 TAB 20-14AWG BR



TE Part #170043-2
110 FASTON,REC.,24-20 AWG,TPBR



TE Part #170369-1
LOW PROFILE EI CONN LP



TE Part #1-174358-1
E-J MK-2 PLUG HSG 3P NATURAL



TE Part #755342-1
DAHT POS LOCK REC CONT 20-14 ASSY

Documents

Product Drawings

EIS LOW PROFILE HSG 2P NATURAL

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172142-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172142-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172142-2_F.3d_stp.zip

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

Application Specification

English

Crimping of Low Profile "EI" Series Connector

English

Product Environmental Compliance

MD_172142-2_042620182257_dmtec

English

Agency Approvals

Agency Approval Document

English