

TE Internal #: 1-172142-2

Housing, Receptacle, Wire-to-Board, 12 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Wire & Cable, Power & Signal

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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

Electrical Characteristics

Operating Voltage	350 VDC
Insulation Resistance	500 MΩ

Body Features

Connector Profile	Low
Primary Product Color	Natural

Contact Features

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

Termination Features

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Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	6.7 mm
Connector Length	32 mm

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

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: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
SVHC > Threshold:
Melamine (3% in 23412681598)

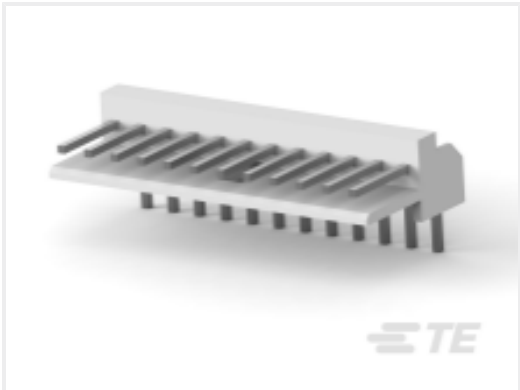
Article Safe Usage Statements:
Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 1-171826-2
EI.SRS.POST HDR.ASS




TE Part # 1-171825-2
POST HDR ASSY VERT AMP EI CONN



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

Customers Also Bought



TE Part #1-1415899-1
RZ01-1C4-D024

TE Part #1SNK900002R0000
BAZ1

TE Part #36151
PIDG R 22-16 COMM 22-18 MIL 6

TE Part #172338-1
MINI UMNL PLUG HOUSING 4P

TE Part #6-1393243-8
RT424024

TE Part #280365
AMPMODU, DBL ROW, CONTACT REC

TE Part #5039254029
DR-25-3/4-0-SP

TE Part #D17733-000
B-155-17-100-18-9

TE Part #926893-1
UNIV.M-N-L.SOCKET CONTACT

TE Part #709655-1
CH 10-70 A RT1070A

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-172142-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-172142-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-172142-2_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

Agency Approvals

Agency Approval Document

English