TE Internal #: 172211-6

Housing, Plug, Wire-to-Board, 6 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,

Power & Signal

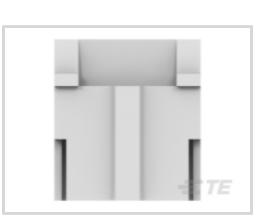
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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings











Connector Product Type: Housing
Connector & Housing Type: Plug
Connector System: Wire-to-Board

Number of Positions: 6

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

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Insulation Resistance	500 MΩ
Operating Voltage	250 VAC

Body Features

Connector Profile	Standard	
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Contact Features



Contact Layout Inline Contact Type Pin Contact Current Rating (Max) 2 A Termination Features I ermination Method to Wire & Cable Crimp Mechanical Attachment Strain Relief Without Panel Mount Feature Without Panel Mount Retention Without Mating Retention Without Mating Retention With Connector Mounting Type Lock Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm, 1,076 in] Ilousing Color Natural Dimensions Connector Length 17.9 mm Connector Length 17.9 mm Connector Length 4.4 mm Usage Conditions Operating I emperature Range 20 95 °C [4 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UI Flammebility Rating UI 9/V-Q Agency/Standard UL Packaging Features Packaging Features Packaging Guantity 1000 Packaging Method Bag		
Termination Features Lemination Method to Wire & Cable Mechanical Attachment Strain Relief Panel Mount Feature Without PCB Mount Retention Without Mating Retention Type Lock Mating Retention With Connector Mounting Type Housing Features Housing Material Nylon 6/6 Centroline (Pirch) Natural Dimensions Connector Length Connector Height Connector Height Connector Renge -20 – 95 *C -1 – 203 *F Operation/Application Circuit Application Power & Signal Industry Standards UL Planmebility Reting Agency/Standard Packaging Features Packaging Features Packaging Gousnitity 1000	Contact Layout	Inline
Termination Features Termination Method to Wire & Cable Mechanical Attachment Strain Relief Without Panel Mount Feature PCB Mount Retention Without Mating Retention Type Lock Mating Retention With Cornector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon 6/6 Centedine (Pitch) 2.5 mm(.098 in) Housing Color Natural Dimensions Cornector Length 17.9 mm Connector Height 4.4 mm Usage Conditions Operating Temperature Range 20 - 95 °C[4 - 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Flammability Retiring Agency/Standard UL Packaging Features Packaging Features Packaging Features	Contact Type	Pin
Termination Method to Wire & Cable Mechanical Attachment Strain Relief Without Panel Mount Feature Without PCB Mount Retention Without Mating Recention Type Lock Mating Recention With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm (.098 in) Housing Color Natural Dimensions Connector Length 17.9 mm Connector Length 6.4 mm Usage Conditions Operating Temperature Range -20 - 95 "CL4 - 203 "F] Operation/Application Circuit Application Power & Signal Industry Standards UI. Flammability Rating UI. 94V-0 Agency/Standard UI. Packaging Features Packaging Features Packaging Quantity 1000	Contact Current Rating (Max)	2 A
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Strain Relief Without Panel Mount Feature Without PCB Mount Retention Without Mating Retention Type I Lock Mating Retention With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 mm Usage Conditions Operating Temperature Range -20 – 95 °C[4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Plammability Rating UL 94V 0 Agency/Standard UI Packaging Features Packaging Guentity 1000	Termination Method to Wire & Cable	Crimp
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 Material Nylon 6/6 Centerline (Pitch) 2.5 mm/L098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 mm Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Plannmability Rating UL 94V-0 Agency/Standard UI Packaging Features Packaging Guantity 1000	Mechanical Attachment	
PCB Mount Retention Mating Retention Type Lock Mating Retention With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 mm Usage Conditions Operating Temperature Range -20 – 95 °C[.4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Planmability Rating Agency/Standard UL Packaging Features Packaging Quantity 1000	Strain Relief	Without
Mating Retention Type Mating Retention With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 4.4 mm Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UI. Flammability Rating Agency/Standard UL Packaging Features Packaging Guantity 1000	Panel Mount Feature	Without
Mating Retention With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 mm Usage Conditions Operating Temperature Range -20 - 95 °C[4 - 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Plammability Rating UL 94V-0 Agency/Standard UI Packaging Features Packaging Guantity 1000	PCB Mount Retention	Without
Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Power & Signal Industry Standards UL Flammability Rating Agency/Standard Power & Signal Packaging Pounting Packaging Quantity Cable Mount (Free-Hanging) All Mount (Free-Hanging) Nylon 6/6 2.5 mm[.098 in] Nylon 6/6 2.5 mm[.098 in] Natural Power & Signal U1.99 mm Connector Length C1.79 mm C4.4 mm C5.4 mm C6.4 mm C6.4 mm C7.70 – 95 °C[-4 – 203 °F] C7	Mating Retention Type	Lock
Housing Features Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 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 Packaging Features Packaging Quantity 1000	Mating Retention	With
Housing Material Nylon 6/6 Centerline (Pitch) 2.5 mm .098 in Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 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 Packaging Features Packaging Quantity 1000	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch) Housing Color Natural Dimensions Connector Length 17.9 mm Connector Height 6.4 mm Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Flammability Rating Agency/Standard UL 94V-0 Agency/Standard Packaging Features Packaging Quantity 1000	Housing Features	
Housing Color Dimensions Connector Length 17.9 mm Connector Height 6.4 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 Packaging Features Packaging Quantity 1000	Housing Material	Nylon 6/6
Dimensions Connector Length 17.9 mm Connector Height 6.4 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 Packaging Features Packaging Quantity 1000	Centerline (Pitch)	2.5 mm[.098 in]
Connector Length 17.9 mm Connector Height 6.4 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 Packaging Features Packaging Quantity 1000	Housing Color	Natural
Connector Height Usage Conditions Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Power & Signal Industry Standards UL Flammability Rating Agency/Standard UL Packaging Features Packaging Quantity 6.4 mm 6.4 mm	Dimensions	
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 Packaging Features Packaging Quantity 1000	Connector Length	17.9 mm
Operating Temperature Range -20 – 95 °C[-4 – 203 °F] Operation/Application Circuit Application Power & Signal Inclustry Standards UL Flammability Rating UL 94V-0 Agency/Standard UL Packaging Features Packaging Quantity 1000	Connector Height	6.4 mm
Operation/Application Circuit Application Power & Signal Industry Standards UL Flammability Rating Agency/Standard UL Packaging Features Packaging Quantity 1000	Usage Conditions	
Circuit Application Power & Signal Industry Standards UL Flammability Rating UL 94V-0 Agency/Standard UL Packaging Features Packaging Quantity 1000	Operating Temperature Range	-20 – 95 °C[-4 – 203 °F]
Industry Standards UL Flammability Rating Agency/Standard UL Packaging Features Packaging Quantity 1000	Operation/Application	
UL Flammability Rating Agency/Standard Packaging Features Packaging Quantity UL 94V-0 UL 1000	Circuit Application	Power & Signal
Agency/Standard UL Packaging Features Packaging Quantity 1000	Industry Standards	
Packaging Features Packaging Quantity 1000	UL Flammability Rating	UL 94V-0
Packaging Quantity 1000	Agency/Standard	UL
	Packaging Features	
Packaging Method Bag	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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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





























Customers Also Bought



TE Part #172211-4
EIS CAP HSG FREE HANG 4P
NATUTURAL



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



TE Part #171822-6 EIS REC. HSG 6P-NATURAL



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



TE Part #171822-3 EIS REC. HSG 3P-NATURAL



TE Part #171822-2 EIS REC. HSG 2P-NATURAL



TE Part #1-171822-0 EIS REC. HSG 10P-NATURAL







Documents



Product Drawings

EIS CAP HSG FREE HANG 6P NATUTURAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172211-6_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172211-6_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172211-6_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

Crimping of AMP El Series Connector Contacts

Japanese

Application Specification

Japanese

Product Environmental Compliance

MD_172211-6_11232017236_dmtec

English

MD_172211-6_11232017236_dmtec

English

Agency Approvals

Agency Approval Document

English