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Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Wire Size: **.05 – .15 mm²**

Features

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	500 MΩ

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	2 A

Termination Features

Product Terminates To	Wire & Cable
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Dimensions

Compatible Insulation Diameter Range	1 – 1.5 mm[.039 – .059 in]
Wire Size	.05 – .15 mm ²

Usage Conditions

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Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	7000
Packaging Method	Strip

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	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 # 172142-4
EIS LOW PROFILE HSG 4P NATURAL



TE Part # 172142-7
EIS LOW PROFILE HSG 7P NATURAL



TE Part # 172142-5
EIS LOW PROFILE HSG 5P NATURAL



TE Part # 172142-9
EIS LOW PROFILE HSG 9P NATURAL



TE Part # 1-172142-2
EIS LOW PROFILE HSG 12P NATURAL



TE Part # 172142-8
EIS LOW PROFILE HSG 8P NATURAL



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



TE Part # 172142-2
EIS LOW PROFILE HSG 2P NATURAL



TE Part # 1-172142-0
EIS LOW PROFILE HSG 10P NATURAL



TE Part # 172142-6
EIS LOW PROFILE HSG 6P NATURAL



TE Part # 2-172142-2
EIS LOW PROFILE HSG 2P BALCK



TE Part # 2-172142-3
EIS LOW PROFILE HSG 3P BALCK



TE Part # 2-172142-4
EIS LOW PROFILE HSG 4P BALCK



TE Part # 2-172142-5
EIS LOW PROFILE HSG 5P BALCK



TE Part # 2-172142-6
6P LOW PROF EI REC HSG



TE Part # 2-172142-7
REC HSG LOW PROFILE EI 7P



TE Part # 2-172142-8
REC HSG LOW PROFILE EI 8P



TE Part # 2-172142-9
REC HSG LOW PROFILE EI 9P



TE Part # 3-172142-0
REC HSG LOW PROFILE EI 10P



TE Part # 3-172142-2
REC HSG LOW PROFILE EI 12P

Customers Also Bought



TE Part #1-1903131-0
DYNAMIC 1200D TAB HSG 20P P/M

TE Part #2-179694-2
2MM CT MT REC ASSY 2P GRAY

TE Part #T4033014031-000
M8.FMLE.PNLFRONT.3POS.STR

TE Part #T4061220003-002
M8 CABLE RA M 1.0M 3POS PUR CABLE

TE Part #87456-7
12 MODIV HSG COMP DR .100CL

TE Part #170369-1
LOW PROFILE EI CONN LP

TE Part #2-2176307-8
RP 1E 0.1W 23K7 0.1% 25PPM 5K RL

TE Part #3-2176263-1
RN 0402 49K9 0.1% 10PPM 5K RL

TE Part #1-66505-0
20 DF SCKT CONT

Documents

Product Drawings
EI SER LOW PRO CONN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170355-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170355-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170355-1_L.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

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Low Profile "EI" Series Connector

Japanese