

3.96 EP PLUG HSG 2P(NATURAL) ✓ ACTIVE

Economy Power

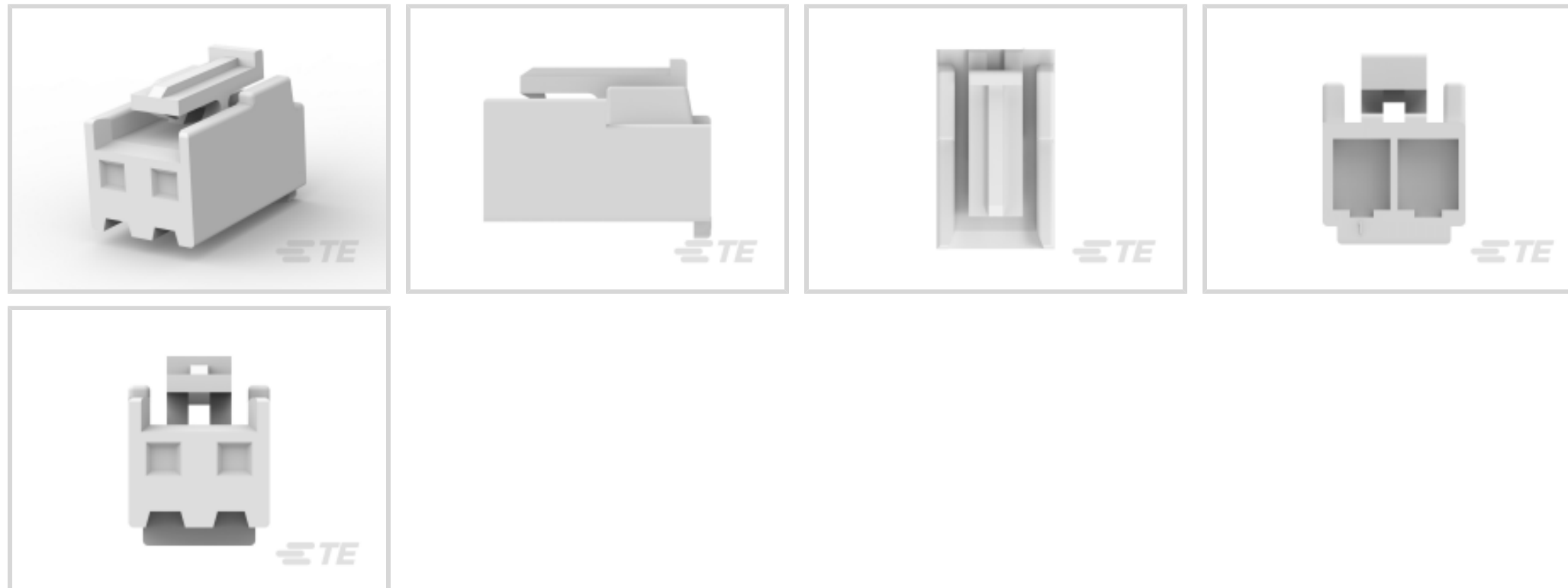
TE Part # 1-1123722-2

TE Internal #: 1-1123722-2

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**

Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1500 VAC
Operating Voltage	250 VDC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Inline
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Contact Current Rating (Max)	8 A
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Contact Retention	Without
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
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Mating Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Retention	With
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Mating Retention Type	Latch, Locking Latch
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Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
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UL Flammability Rating	UL 94V-0
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Housing Color	Natural
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Housing Material	Nylon 66
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Dimensions

Width	13.3 mm[.524 in]
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Accepts Wire Insulation Diameter Range	1.7 – 3 mm[.067 – .118 in]
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Height	10.5 mm[.413 in]
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Length	7.86 mm[.3094 in]
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Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	4000
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

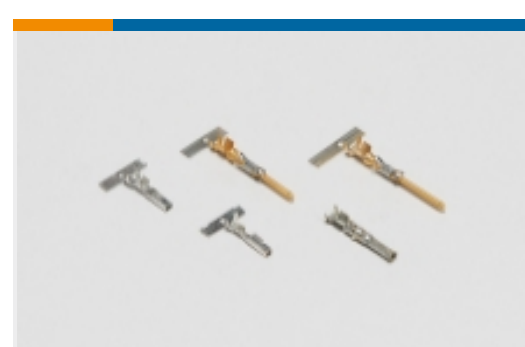


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



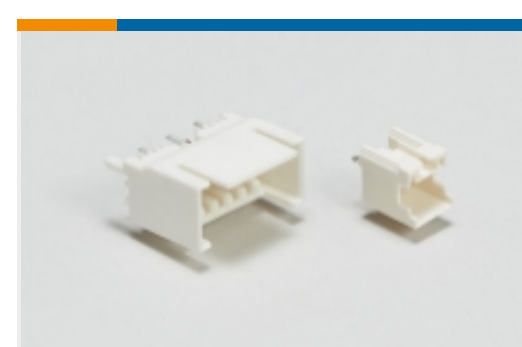
Power Contacts(3)



Rectangular Power Connectors(14)



Wire-to-Board Connector Contacts(1)

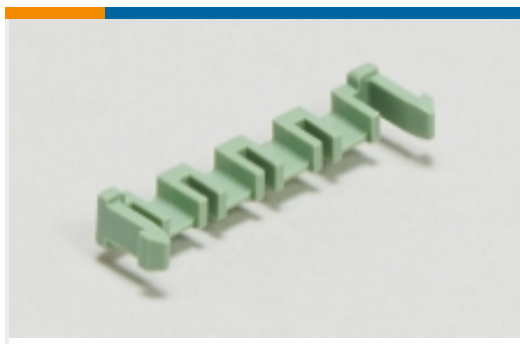


Wire-to-Board Headers & Receptacles(6)

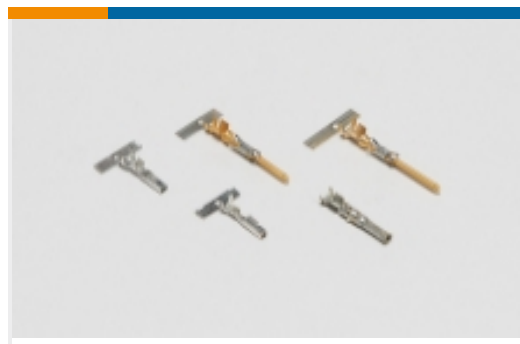
Also in the Series | Economy Power

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PCB Latches, Locks & Retainers(1)



Power Contacts(5)



Rectangular Connector Housings(1)



Rectangular Power Connectors(269)



Wire-to-Board Connector Contacts(7)



Wire-to-Board Connector Housings(42)



Wire-to-Board Headers & Receptacles(170)

Customers Also Bought



TE Part #1318912-1
EP CONN LP REC



TE Part #770849-7
07P SL156 HSG W/LCK
RMP & TABS



TE Part #770849-8
08P SL156 HSG W/LCK
RMP & TABS



TE Part #1-1123722-5
3.96 EP PLUG HSG 5P
(NATURAL)



TE Part #770849-4
04P SL156 HSG W/LCK
RMP & TABS



TE Part #1-1123722-4
3.96 EP PLUG HSG 4P
(NATURAL)



TE Part #1-1123722-3
3.96 EP PLUG HSG 3P
(NATURAL)



TE Part #1123721-2
ECONOMY POWER
CONN REC CONT



TE Part #177919-1
POWER DBL LOCK PLATE
3P



TE Part #1123721-1
EP CONN. REC CONTACT
3P

Documents



Product Drawings

[3.96 EP PLUG HSG 2P\(NATURAL\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1123722-2_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1123722-2_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1123722-2_M.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

Product Specifications

[Product Specification](#)

English

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

Japanese

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

Japanese

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

English

Product Environmental Compliance

[MD_1-1123722-2_09062018628_dmtec](#)

English

[MD_1-1123722-2_09062018628_dmtec](#)

English

Instruction Sheets

[Economy Power \(EP\) Connector](#)

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese

Agency Approvals

[UL Report](#)

English

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