



Economy Power 2.5

TE Internal #: 2110989-1

Connector Contact, Socket, Wire-to-Wire, 26 – 22 AWG Wire Size, .13 – .36 mm² Wire Size, Tin, Reel, Wire & Cable, 4.2 A, Signal, Economy Power 2.5

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Socket**

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

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

Wire Size: **.13 – .36 mm²**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

Electrical Characteristics

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|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Contact Features

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|--|-------------------|
| Mating Square Post Dimension | .6 mm [.024 in] |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Mating Area Plating Material Thickness | .8 μm [31.49 μin] |
| Contact Length | 1.8 mm [.071 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Tin |



| | |
|------------------------------|-------|
| Contact Current Rating (Max) | 4.2 A |
|------------------------------|-------|

Termination Features

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|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
|--------------------|-----------------|

Dimensions

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|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 1.3 – 1.9 mm[.051 – .075 in] |
|--------------------------------------|------------------------------|

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|-----------|---------------------------|
| Wire Size | .13 – .36 mm ² |
|-----------|---------------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

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|--------------------|------|
| Packaging Quantity | 8000 |
|--------------------|------|

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|------------------|------|
| Packaging Method | Reel |
|------------------|------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
|--|---|

| | |
|-----------------|---|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
|-----------------|---|

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|---------------------------|--|
| 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 # 1969442-9
EP 2.5 TPA Housing, 9 Pos



TE Part # 1969442-7
EP 2.5 TPA Housing, 7 Pos



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



TE Part # 1744417-3
3 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1969443-9
EP 2.5 TPA Retainer, 9 Pos



TE Part # 2132781-6
06P EP-II HOUSING, NATURAL



TE Part # 1-1123722-6
3.96 EP PLUG HSG 6P(NATURAL)



TE Part # 1744417-4
4 POS EP 2.5 HSG, GLOW WIRE



TE Part # 1-1123722-2
3.96 EP PLUG HSG 2P(NATURAL)



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



TE Part # 1-1123723-7
3.96 EP HDR ASSY 7P(NATURAL)



TE Part # 1-1969443-1
EP 2.5 TPA Retainer, 11 Pos



TE Part # 1969442-6
EP 2.5 TPA Housing, 6 Pos



TE Part # 2132781-3
03P EP-II HOUSING, NATURAL



TE Part # 1-1969442-1
EP 2.5 TPA Housing, 11 Pos



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




TE Part # 1-1744418-4
14 POS EP 2.5 HDR, GLOW WIRE



TE Part # 1969442-3
EP 2.5 TPA Housing, 3 Pos



TE Part # 1744417-6
6 POS EP 2.5 HSG, GLOW WIRE




TE Part # 1969443-7
EP 2.5 TPA Retainer, 7 Pos


Also in the Series | Economy Power 2.5




PCB Headers & Receptacles(494)




PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies & Housings(311)



Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #1969442-7
EP 2.5 TPA Housing, 7 Pos



TE Part #1744417-4
4 POS EP 2.5 HSG, GLOW WIRE



TE Part #2132415-2
EP2.5 Shrouded HDR ASSY 2P VERT w /o boss



TE Part #1969442-6
EP 2.5 TPA Housing, 6 Pos



TE Part #1742626-1
250 FASTON, FLAG, REC., 16-14 AWG, NPST



TE Part #1-2132415-0
EP2.5 Shrouded HDR ASSY 10P VERT w/o boss



TE Part #353148-5
POSITIVE LOCK 187 HOUSING RECEPTACLE



Documents

Product Drawings

[EP 2.5 RCPT CONTACT, 26-22 AWG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2110989-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2110989-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2110989-1_D.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[7-1773458-5_ECONOMY_POWER_QRG](#)

English

[7-1773461-6_EP2.5_Connector_Series](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

Instruction Sheets

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

English