

1-50871-8 ✓ ACTIVE

TE Internal #: 1-50871-8

7.32 mm [.288 in] Socket Length, 2.56 mm [.101 in] PCB Hole, Open Bottom, 1.31 – 2.08 mm<sup>2</sup> Wire, 16 – 14 AWG, Cable-to-Board, Pin Sockets

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Connectors > Socket Connectors > Pin Sockets > Miniature Spring Sockets: Open Bottom, Beryllium Copper, 7.5A



Socket Length: 7.32 mm [.288 in]

PCB Hole Diameter: 2.56 mm [.101 in]

Socket Sleeve Style: **Open Bottom**

Wire Size: 16 – 14 AWG

[All Miniature Spring Sockets: Open Bottom, Beryllium Copper, 7.5A \(9\)](#)

## Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Socket Sleeve Style	Open Bottom
Connector System	Cable-to-Board
Sealable	No

### Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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### Body Features

Sleeve Plating Material	Gold Flash over Nickel
Sleeve Material	Copper

### Contact Features

Contact Spring Plating Material	Gold
Contact Base Material	Beryllium Copper
Contact Mating Area Plating Material Thickness	30 µm[30 µin]
Contact Spring Plating Thickness	.762 µm[30 µin]



Contact Current Rating (Max)	7.5 A
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### Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Termination Method to Wire & Cable	Solder
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Insertion Method	Hand/Semi-Automatic
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### Dimensions

PCB Thickness (Recommended)	.79 – 3.18 mm [.031 – .125 in]
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Socket Length	7.32 mm [.288 in]
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PCB Hole Diameter	2.56 mm [.101 in]
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Wire Size	16 – 14 AWG
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Mating Pin Diameter Range	1.42 – 1.65 mm [.056 – .065 in]
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### Usage Conditions

Operating Temperature Range	-65 – 125 °C [-85 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Method	Bag, Loose Piece
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Packaging Quantity	2000
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### Other

Spring Material	Beryllium Copper
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC
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Free

Solder Process Capability

Pin-in-Paste capable to 260°C

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





## Documents

### CAD Files

[3D PDF](#)

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-50871-8\\_W.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-50871-8\\_W.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-50871-8\\_W.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English