

2-50871-2 ✓ ACTIVE

TE Internal #: 2-50871-2

Pin Sockets, Socket Length 7.32 mm [.288 in], PCB Hole Diameter .

101 in [2.56 mm], Closed Bottom, 1.31 – 2.08 mm² Wire Size, 16 – 14

AWG Wire Size

[View on TE.com >](#)



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



Socket Length: 7.32 mm [.288 in]

PCB Hole Diameter: 2.56 mm [.101 in]

Socket Sleeve Style: **Closed Bottom**

Wire Size: 1.31 – 2.08 mm²

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

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Body Features

Sleeve Material	Copper
Sleeve Plating Material	Gold Flash over Nickel

Contact Features

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



Contact Current Rating (Max)	7.5 A
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Termination Features

Insertion Method	Hand/Semi-Automatic
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Method to Wire & Cable	Solder

Dimensions

PCB Thickness (Recommended)	.79 – 3.18 mm [.031 – .125 in]
Socket Length	7.32 mm [.288 in]
PCB Hole Diameter	2.56 mm [.101 in]
Wire Size	1.31 – 2.08 mm ²
Mating Pin Diameter Range	1.42 – 1.65 mm [.056 – .065 in]

Usage Conditions

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

Solder Process Feature	None
Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	2000
Packaging Method	Bag, Loose Piece

Other

Spring Material	Beryllium Copper
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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: JUNE 2022 (224) Candidate List Declared Against: OCT 2008 (15) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content

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 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



Documents

Product Drawings

[SOCKET,MIN-SPR AU SER-5](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-50871-2_W.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-50871-2_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-50871-2_W.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English