

1-50871-8 ✓ ACTIVE

TE Internal #: 1-50871-8

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

[View on TE.com >](#)



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: 1.31 – 2.08 mm<sup>2</sup>

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

## Features

### Product Type Features

Socket Sleeve Style	Open 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 <sup>2</sup>
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 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

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



TE Part # 1-50871-3  
SOCKET,MIN-SPR AU SER-5



TE Part # 1-50871-9  
SOCKET,MIN-SPR W/H SN-AU SER-5

### Customers Also Bought



TE Part #5415025-1  
JACK, RTANG, PCB, 50 OHM, BNC



TE Part #2-5050871-3  
SOCKET,MIN-SPR SN-AU SER-5



TE Part #1-1625890-1  
2W SM M/OX 5% 150K




TE Part #1-928776-4  
MOD2 STIFT M A-PIN




TE Part #NB19684001  
RNF-100-3/32-CL-SP



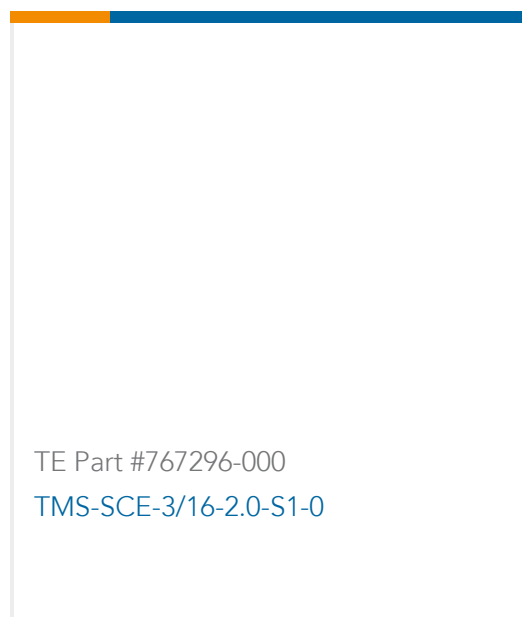
TE Part #EM6978-000  
X4-8.0-0-FSP-SM



TE Part #DL64H-16-24PN-805  
HERM RECP



TE Part #3-1617022-2  
FW5A1201G03 = FW5A RELAY



## 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