

5050865-1 ✓ ACTIVE

TE Internal #: 5050865-1

Pin Sockets, Socket Length 6.6 mm [.26 in], PCB Hole Diameter .072 in [1.83 mm], Knockout Bottom, .518 – .823 mm<sup>2</sup> Wire Size, 20 – 18 AWG Wire Size

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Connectors > Socket Connectors > Pin Sockets > Miniature Spring Sockets: Knockout Bottom Beryllium Copper, 6.5A



Socket Length: 6.6 mm [.26 in]

PCB Hole Diameter: 1.83 mm [.072 in]

Socket Sleeve Style: Knockout Bottom

Wire Size: .518 – .823 mm<sup>2</sup>

[All Miniature Spring Sockets: Knockout Bottom Beryllium Copper, 6.5A \(5\)](#)

## Features

### Product Type Features

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

### Configuration Features

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

Sleeve Material	Copper
Sleeve Plating Material	Tin

### 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)	6.5 A
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### Termination Features

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

### Dimensions

PCB Thickness (Recommended)	.79 – 3.18 mm [.031 – .125 in]
Socket Length	6.6 mm [.26 in]
PCB Hole Diameter	1.83 mm [.072 in]
Wire Size	.518 – .823 mm <sup>2</sup>
Mating Pin Diameter Range	.86 – 1.04 mm [.034 – .041 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5050865-8  
SOCKET,MIN-SPR SN SER-4



TE Part # 5050865-3  
SOCKET,MIN-SPR SN-AU SER-4

### Customers Also Bought



TE Part #5-1622820-2  
3520 4R7 5%



TE Part #5050864-8  
SKT,MIN-SPR W/OPEN BOT SN SER3



TE Part #5-1462039-6  
IM06PGR=IM RELAY 140mW 12V



TE Part #9-1879252-4  
RP 2B 10R 0.1% 15PPM CUT LENGTH



TE Part #1623212-1  
CRG0805 1% 3K0



TE Part #2-1879135-2  
RN 0603 174K 0.1% 10PPM 1K RL



TE Part #5555140-6  
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD, TUBE



TE Part #2-2176467-2  
TLRP 1206 1.0W R003 1% 100PPM 5K RL

### Documents

[Product Drawings](#)



## SOCKET,MIN-SPR SN-AU SER-4

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5050865-1\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5050865-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5050865-1\\_A.3d\\_stp.zip](#)

English

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

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### Product Specifications

[Product Specification](#)

English