

TE Internal #: 645512-1

TE Internal Description: SKT, MSS SER 5, SN/50AU

Miniature Spring Sockets: Closed Bottom, Beryllium Copper, 7.5A

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



Socket Length: 5.59 mm [.22 in]

PCB Hole Diameter: 2.62 mm [.103 in]

Socket Sleeve Style: **Closed Bottom**

Wire Size: 1.65 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	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)	7.5 A

Termination Features

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

Termination Method to Wire & Cable	Solder
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Dimensions

PCB Thickness (Recommended)	.79 – 3.18 mm [.031 – .125 in]
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Socket Length	5.59 mm [.22 in]
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PCB Hole Diameter	2.62 mm [.103 in]
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Wire Size	1.65 mm ²
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Mating Pin Diameter Range	1.47 – 1.57 mm [.058 – .062 in]
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Usage Conditions

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

Solder Process Feature	None
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Circuit Application	Power & Signal
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Packaging Features

Packaging Quantity	2000
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Packaging Method	Bag, Loose Piece
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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>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
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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	Pin-in-Paste capable to 260°C
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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



Documents

Product Drawings

[SKT, MSS SER 5, SN/50AU](#)

English

CAD Files

Customer View Model

[ENG_CVM_645512-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_645512-1_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_645512-1_C.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

[Application Specification](#)

English