

5050865-1 ✓ ACTIVE

TE Internal #: 5050865-1

Socket Length 6.6 mm [.26 in], PCB Hole Diameter 1.83 mm [.072 in], Knockout Bottom, .518 – .823 mm² Wire Size, 20 – 18 AWG Wire Size, Pin Sockets

[View on TE.com >](#)



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 mm²

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

Features

Dimensions

Socket Length	6.6 mm [.26 in]
PCB Hole Diameter	1.83 mm [.072 in]
Wire Size	.518 – .823 mm ²
Mating Pin Diameter Range	.86 – 1.04 mm [.034 – .041 in]
PCB Thickness (Recommended)	.79 – 3.18 mm [.031 – .125 in]

Product Type Features

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

Contact Features

Contact Current Rating (Max)	6.5 A
Contact Spring Plating Material	Gold
Contact Base Material	Beryllium Copper



Contact Mating Area Plating Material Thickness	30 µm[30 µin]
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Contact Spring Plating Thickness	.762 µm[30 µin]
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Operation/Application

Circuit Application	Power & Signal
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Solder Process Feature	None
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Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Spring Material	Beryllium Copper
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Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Body Features

Sleeve Plating Material	Tin
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Sleeve Material	Copper
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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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Packaging Features

Packaging Method	Loose Piece, Bag
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Packaging Quantity	2000
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Product Compliance

[For compliance documentation, visit the product page on 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	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241)
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Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

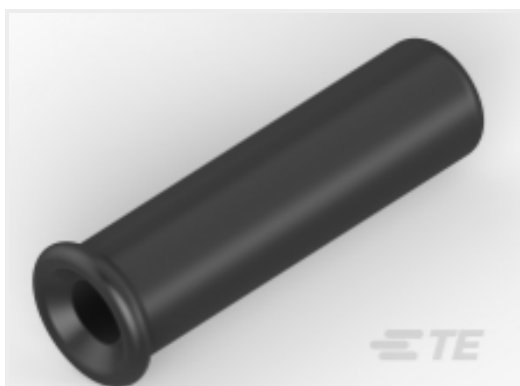
Solder Process Capability

Pin-in-Paste capable to 260°C

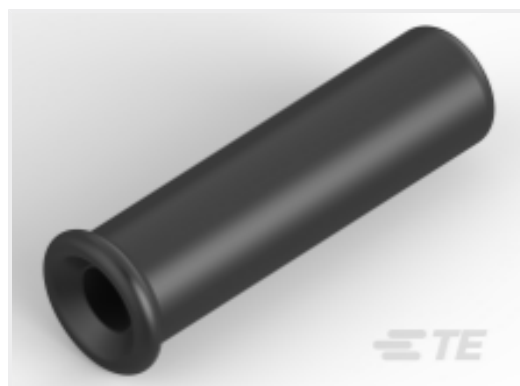
Product Compliance Disclaimer

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



TE Part # 5050865-8
SOCKET,MIN-SPR SN SER-4

Customers Also Bought



TE Part #5747846-5
25 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #640455-8
08P MTA100 HDR ASSY SQ R/A POL



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



TE Part #50865-2
SOCKET,MIN-SPR AU SER-4



TE Part #640901-3
05P UMNL HDR ASSY 94VO LF



TE Part #2-34105-2
SOLIS R 22-16 COMM 22-18 MIL 6



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



TE Part #1623212-1
CRG0805 1% 3K0



TE Part #1-770972-1
12P MINI UMNL R/A HDR ASSY LF



TE Part #4-2232516-1
SCSI .050 REC ASS'Y 36P PB-FREE

Documents

Product Drawings

[SOCKET,MIN-SPR SN-AU SER-4](#)

English

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

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Product Specifications

[Product Specification](#)

English