50865-2 ✔ ACTIVE

TE Internal #: 50865-2

6.6 mm [.26 in] Socket Length, 1.83 mm [.072 in] PCB Hole, Knockout Bottom, .518 – .823 mm² Wire, 20 – 18 AWG, Cable-to-Board, 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: **20 – 18 AWG**

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

Body Features

Sleeve Plating Material	Gold Flash over Nickel
Sleeve Material	Copper

Contact Features

Contact Spring Plating Material	Gold
Contact Base Material	Beryllium Copper
Contact Mating Area Plating Material Thickness	30 µm[30 µin]
Contact Spring Plating Thickness	.127 µm[30 µin]

Contact Current Rating (Max)	6.5 A

Termination Features

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

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	20 – 18 AWG
Mating Pin Diameter Range	.86 – 1.04 mm[.034 – .041 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Method	Bag, Loose Piece
Packaging Quantity	2000

Other

Spring Material	Beryllium Copper

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-50865-2
MSS, SER-4 OPEN BOTTOM, AU/AU



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

Customers Also Bought



TE Part #4160-204-1631L
CONT PIN



TE Part #50863-4
SOCKET,MIN-SPR AU-AU SER-2



TE Part #205203-8
CRIMP SNAP RCPT ASSY,SIZE 1



TE Part #205204-9
CRIMP SNAP PLUG ASSY,SIZE 1



TE Part #205205-7
CRIMP SNAP RCPT ASSY,SIZE 2



TE Part #205206-9
CRIMP SNAP PLUG ASSY,SIZE 2



TE Part #5050865-1
SOCKET,MIN-SPR SN-AU SER-4



TE Part #5205207-1
HD RECPT ASSY SIZE 3



TE Part #5747841-3
15 MSFL PLUG RA 318 (IN,FM,BL)



TE Part #5747845-4
15 MSFL RCPT RA 318 (IN,FM,BL)

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_50865-2_V.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_50865-2_V.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_50865-2_V.3d_stp.zip

English

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Product Specifications

Application Specification

English