2-50871-2 ✔ ACTIVE

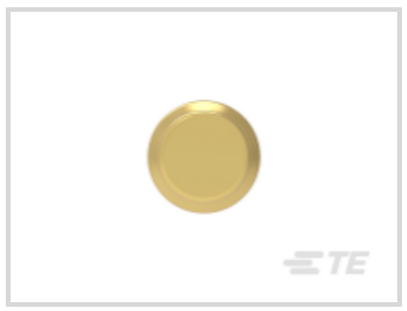
TE Internal #: 2-50871-2

7.32 mm [.288 in] Socket Length, 2.56 mm [.101 in] PCB Hole, Closed Bottom, 1.31 – 2.08 mm² Wire, 16 – 14 AWG, Cable-to-Board, Pin Sockets

View on TE.com >

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




Socket Length: **7.32 mm [.288 in]**

PCB Hole Diameter: **2.56 mm [.101 in]**

Socket Sleeve Style: **Closed Bottom**

Wire Size: **16 – 14 AWG**

All Miniature Spring Sockets: Closed Bottom, Beryllium Copper, 7.5A (9)

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Socket Sleeve Style	Closed 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	.762 µm[30 µin]

Contact Current Rating (Max)	7.5 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	7.32 mm[.288 in]
PCB Hole Diameter	2.56 mm[.101 in]
Wire Size	16 – 14 AWG
Mating Pin Diameter Range	1.42 – 1.65 mm[.056 – .065 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

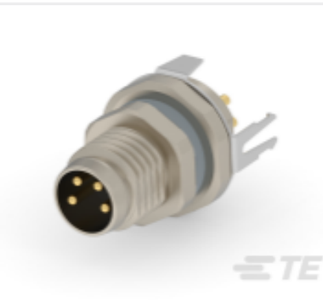
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 2-5050871-4
SOCKET,MIN-SPR W/H SN SER-5

Customers Also Bought



TE Part #T4040034041-000
M8.MLE.PNLREAR.4POS.STR PCBSHLD



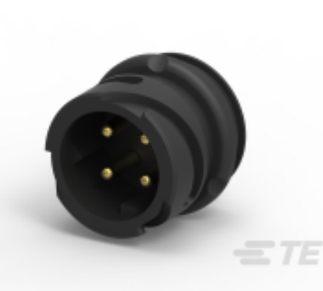
TE Part #CV21204001
RW-175-E-3/32-X-SP



TE Part #5-103414-1
03 MODII HDR SRST SHRD LF



TE Part #5-146261-1
02 MODII HDR DRST B/A .100CL LF



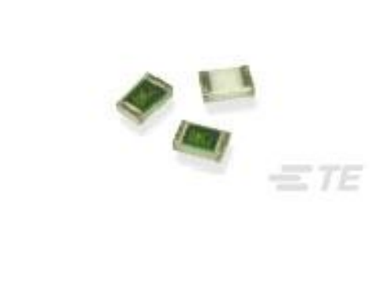
TE Part #1241598-1
2,5MM ST-GEH,ASSY4P



TE Part #1614917-1
CPF0805 2K2 0.1% 25PPM 5K RL



TE Part #1622192-1
LR0204 1% 20R



TE Part #1676380-2
RN 0805 57K6 0.1% 10PPM 1KRL



TE Part #2201778-1
MICRO SD PUSH PUSH LOW PROFILE TYPE



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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-50871-2_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-50871-2_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-50871-2_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