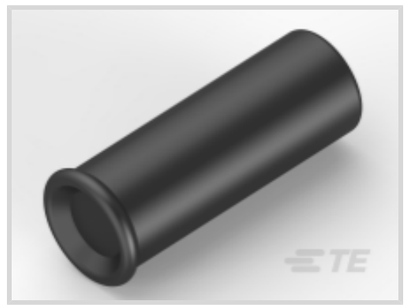
5050871-1 ✔ ACTIVE

TE Internal #: 5050871-1

7.32 mm [.288 in] Socket Length, 2.56 mm [.101 in] PCB Hole, Open Bottom, .823 – 1.04 mm² Wire, 18 – 17 AWG, Cable-to-Board, Pin Sockets

View on TE.com >

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





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

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

Socket Sleeve Style: **Open Bottom**

Wire Size: **18 – 17 AWG**

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

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Body Features

Sleeve Plating Material	Tin
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	18 – 17 AWG
Mating Pin Diameter Range	1.07 – 1.24 mm[.042 – .049 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	None
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: JAN 2025 (247) 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

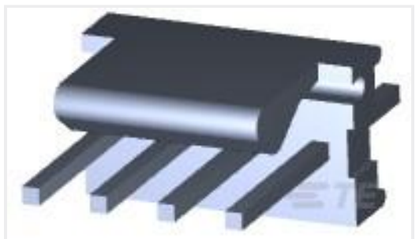
Product Compliance Disclaimer

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

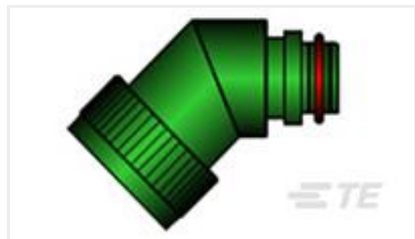
TE Part # CAT-377-MSSCB75
Miniature Spring Sockets: Closed Bottom, Beryllium Copper, 7.5A

Customers Also Bought



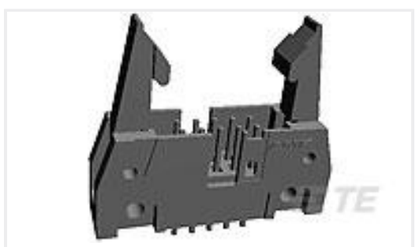
TE Part #3-641215-4
04P MTA100 HDR ASSY FL/ST 30AU

TE Part #2-1825011-1
ASF4204=4PDT AUTOSLIDE



TE Part #CZ4362-000
TXR15AZ45-2422AI

TE Part #5050462-8
SOCKET,MIN-SPR SN-AU SER-2



TE Part #5499910-3
A/L UNIV HDR 16P VERT SHT LAT

TE Part #CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100

TE Part #77114-12-12S6
HERM RECP

TE Part #77114-12-12SN
HERM RECP

TE Part #Y77048-14-7S6V0030
HERM RECP

Documents

Product Drawings

SOCKET,MIN-SPR W/H SN-AU SER-5

English

CAD Files

Customer View Model

ENG_CVM_5050871-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5050871-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_5050871-1_A.2d_dxf.zip

English

3D PDF

English

Product Specifications

Application Specification

English