

# 5645945-2 ✓ ACTIVE

TE Internal #: 5645945-2

Pin Sockets, Socket Length 4.01 mm [.158 in], PCB Hole Diameter .

042 in [1.07 mm], Bullet Nose, .102 – .205 mm<sup>2</sup> Wire Size, 27 – 24

AWG Wire Size

[View on TE.com >](#)



Connectors > Socket Connectors > Pin Sockets > Miniature Spring Sockets: Bullet Nose, Beryllium Copper, 4A



Socket Length: 4.01 mm [.158 in]

PCB Hole Diameter: 1.07 mm [.042 in]

Socket Sleeve Style: **Bullet Nose**

Wire Size: .102 – .205 mm<sup>2</sup>

[All Miniature Spring Sockets: Bullet Nose, Beryllium Copper, 4A \(14\)](#)

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Socket Sleeve Style               | Bullet Nose           |
| Connector System                  | Cable-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

### 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) | 4 A |
|------------------------------|-----|

### Termination Features

|                  |                               |
|------------------|-------------------------------|
| Insertion Method | Hand/Semi-Automatic/Automatic |
|------------------|-------------------------------|

|   |                          |
|---|--------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
|---|--------------------------|

|                                    |        |
|------------------------------------|--------|
| Termination Method to Wire & Cable | Solder |
|------------------------------------|--------|

### Dimensions

|                             |                                |
|-----------------------------|--------------------------------|
| PCB Thickness (Recommended) | .79 – 3.18 mm [.031 – .125 in] |
|-----------------------------|--------------------------------|

|               |                   |
|---------------|-------------------|
| Socket Length | 4.01 mm [.158 in] |
|---------------|-------------------|

|                   |                   |
|-------------------|-------------------|
| PCB Hole Diameter | 1.07 mm [.042 in] |
|-------------------|-------------------|

|           |                             |
|-----------|-----------------------------|
| Wire Size | .102 – .205 mm <sup>2</sup> |
|-----------|-----------------------------|

|                           |                               |
|---------------------------|-------------------------------|
| Mating Pin Diameter Range | .38 – .53 mm [.015 – .021 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 Quantity | 2000 |
|--------------------|------|

|                  |                  |
|------------------|------------------|
| Packaging Method | Bag, Loose Piece |
|------------------|------------------|

### 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 2022 (224)<br>Candidate List Declared Against: JUL 2021 (219)<br>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



## Documents

## Product Drawings

SKT,MIN-SPR B-N SN-AU SER-1.5

English

## CAD Files

3D PDF

3D

## Customer View Model

ENG\_CVM\_CVM\_5645945-2\_O.2d\_dxf.zip

English

## Customer View Model

ENG\_CVM\_CVM\_5645945-2\_O.3d\_igs.zip

English

## Customer View Model

ENG\_CVM\_CVM\_5645945-2\_O.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications

5645945-2

Pin Sockets, Socket Length 4.01 mm [.158 in], PCB Hole Diameter .042 in [1.07 mm],  
Bullet Nose, .102 – .205 mm<sup>2</sup> Wire Size, 27 – 24 AWG Wire Size



## Product Specification

English