

66565-2 ✓ ACTIVE

AMP | AMP Type III+

TE Internal #: 66565-2

Socket Contact, Tin-Lead, Size 16 Contact Size, 24 - 20 AWG Wire

Size, .2 - .6 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type

III+

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin-Lead**

Wire Contact Termination Area Plating Material: **Tin-Lead**

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

Features

Contact Features

| | |
|---|------------------|
| Mating Pin Diameter | 1.57 mm[.062 in] |
| Contact Underplating Material Thickness | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Thickness | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Barrel Type | Open |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Tin-Lead |
| Wire Contact Termination Area Plating Material | Tin-Lead |
| Contact Retention Within Housing | With |
| Contact Size | Size 16 |

| | |
|------------------------------|-------|
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 13 A |

Termination Features

| | |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

Mechanical Attachment

| | |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

| | |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | 1.52 - 3.05 mm [.06 - .12 in] |
| Wire Size | .2 - .6 mm ² |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 - 90 °C [-67 - 194 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Identification Marking

| | |
|--------------------|--------|
| Contact Color Code | Yellow |
|--------------------|--------|

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 1000 |
| Packaging Method | Box, Carton |

Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC |

Free

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

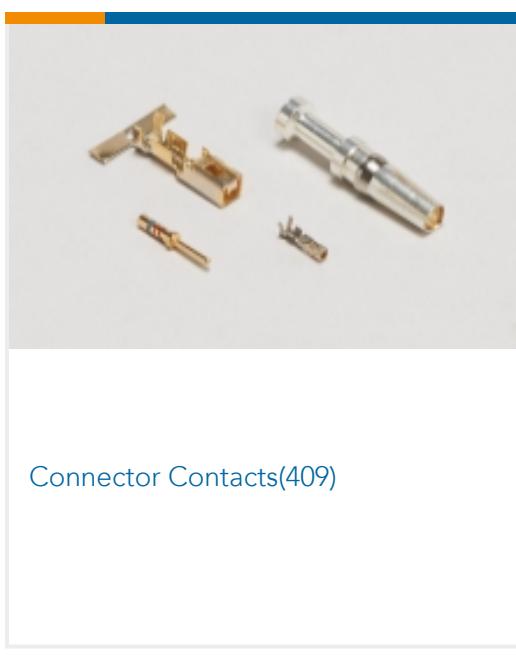
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

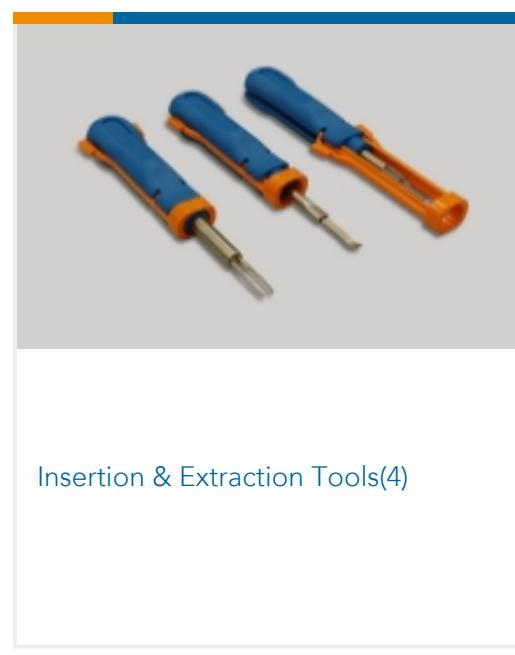
TE Part # 91542-1
CCII TYPE III+ PIN SKT 24-22 ASSYTE Part # 200893-2
INSERTION TOOL CONTTE Part # 539972-1
EXTRACTION TOOLTE Part # 305183
EXTRACT TOOL TYPE 2 20-16

Also in the Series

AMP Type III+



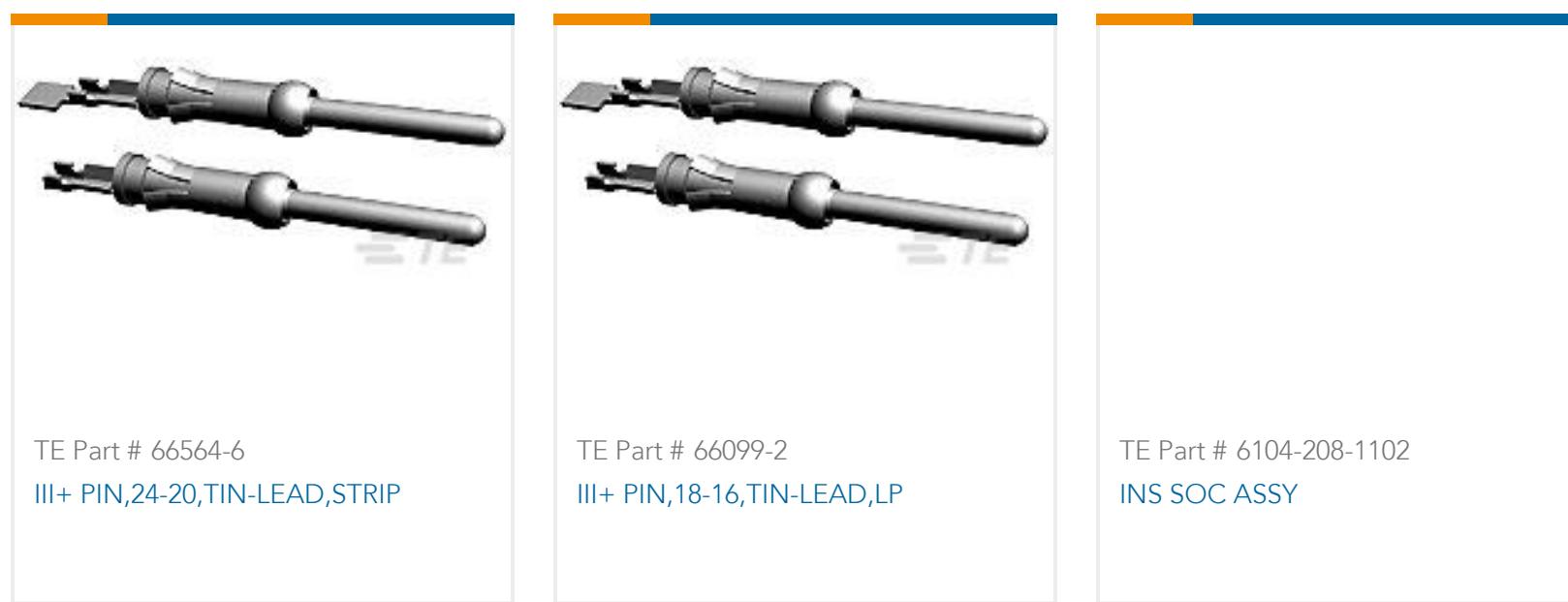
Connector Contacts(409)



Insertion & Extraction Tools(4)

Customers Also Bought

TE Part # 66566-7
III+ PIN,24-20,TIN,LPTE Part # 66101-2
III+ SKT,18-16,TIN-LEAD,LPTE Part # 66601-1
III+ SKT,18-14,TIN-LEAD,LPTE Part # 3-794630-4
04P MICRO MNL ASSY VRT HDR LF



Documents

Product Drawings

[III+ SKT,24-20,TIN-LEAD,LP](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_66565-2_H.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_66565-2_H.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66565-2_H.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

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

Japanese

[Instruction Sheet \(U.S.\)](#)

English