



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**  
Contact Mating Area Plating Material: **Tin**  
Wire Contact Termination Area Plating Material: **Tin**  
Contact Retention Within Housing: **With**  
Contact Size: **Size 16**

Features

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Mating Pin Diameter                                   | 1.57 mm[.062 in] |
| Contact Underplating Material Thickness               | 1.27 µm[50 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 Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Type                                          | Pin              |
| Contact Mating Area Plating Material                  | Tin              |
| Wire Contact Termination Area Plating Material        | Tin              |
| Contact Retention Within Housing                      | With             |
| Contact Size                                          | Size 16          |
| Contact Base Material                                 | Phosphor Bronze  |
| 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 | 2.03 – 2.54 mm[.08 – .1 in] |
| Wire Size                            | .8 – 2 mm²                  |

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 4000 |
| Packaging Method   | Reel |

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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                     | 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 # 91519-1<br>CCII TYPE III+ PIN SKT 18-14 ASSY       | TE Part # 200893-2<br>INSERTION TOOL CONT                  | TE Part # 539972-1<br>EXTRACTION TOOL                           | TE Part # 305183<br>EXTRACT TOOL TYPE 2 20-16                |
|                                                              |                                                            |                                                                 |                                                              |
| TE Part # 2151101-1<br>OCEAN_2.0_APPLICATOR-S-090F120O-RSM   | TE Part # 2151101-2<br>OCEAN_2.0_APPLICATOR-S-090F120O-RSA | TE Part # 2305570-1<br>Strip Terminal Cutter-Side Feed-No Crimp | TE Part # 5-2151101-1<br>OCEAN_2.0_APPLICATOR-S-090F120O-RSM |
|                                                              |                                                            |                                                                 |                                                              |
| TE Part # 5-2151101-2<br>OCEAN_2.0_APPLICATOR-S-090F120O-RSA | TE Part # 7-2151101-7<br>OCEAN_2.0_SPARE_PART_KIT-090F120O |                                                                 |                                                              |

Also in the Series | AMP Type III+

|                         |                                 |
|-------------------------|---------------------------------|
|                         |                                 |
| Connector Contacts(409) | Insertion & Extraction Tools(4) |

Customers Also Bought



TE Part #206036-8  
RECEPT, SZ 17-16 CPC, W/INSERTS

TE Part #1-111382-4  
10 DIP PLUG, LEAD FREE

TE Part #66100-4  
III+ SKT, 18-16, 30AU/FL, STRIP

TE Part #6-160430-6  
187 FASTON REC 20-16 AWG BR

TE Part #66102-4  
III+ PIN, 24-20, 30AU/FL, STRIP

TE Part #788158-2  
SLD CPC RCPT ASSY, 13-9, STD SEX

TE Part #1-968849-1  
AMP MCP 2.8, CONTACT

TE Part #NB25862001  
SCL-3/16-0-STK

TE Part #5225395-1  
BNC PLUG DUAL CRIMP RG58, A, B, C

TE Part #1SNS420000Z2453  
AND0002897032-A (XTX02-PO)

Documents

Product Drawings

III+ PIN, 18-14, TIN, STRIP

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-66359-5\_AG.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-66359-5\_AG.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-66359-5\_AG.3d\_stp.zip

English

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

Datasheets & Catalog Pages



AMP Circular Connectors for Commercial Signal & Power Applications

English

Signal Contacts

English

M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

Product Specifications

Application Specification

English