# 1-66361-5 ✔ ACTIVE

AMP | AMP Type III+, Circular Plastic Connectors Series 1

TE Internal #: 1-66361-5

Tin (Sn), Pin Contact, 18 – 14 AWG, .8 – 2 mm² Wire, Size 16, Crimp, Copper Nickel Alloy, Power & Signal, -55 – 150 °C [-67 – 302 °F], AMP Type III+

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

## Features

### Contact Features

| | |
|---|---|
| Contact Type | Pin |
| Contact Mating Area Plating Material | Tin (Sn) |
| Wire Contact Termination Area Plating Material | Tin-Lead |
| Contact Retention Within Housing | With |
| Contact Size | Size 16 |
| Contact Base Material | Copper Nickel Alloy |
| Contact Current Rating (Max) | 13 A |
| Mating Pin Diameter | 1.57 mm[.062 in] |
| Contact Mating Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Mating Area Plating Material Finish | Bright |
| Wire Contact Termination Area Plating Thickness | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |

| | |
|---|---|
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |

### Termination Features

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

### Mechanical Attachment

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

### Dimensions

| | |
|---|---|
| Wire Size | .8 – 2 mm² |
| Compatible Insulation Diameter Range | 2.03 – 2.54 mm[.08 – .1 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °F] |

### Operation/Application

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 1000 |
| Packaging Method | 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>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 < 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 # 305183
EXTRACT TOOL TYPE 2 20-16



TE Part # 539972-1
EXTRACTION TOOL



TE Part # 91519-1
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 200893-2
INSERTION TOOL CONT

## Also in the Series | AMP Type III+



Connector Contacts(260)

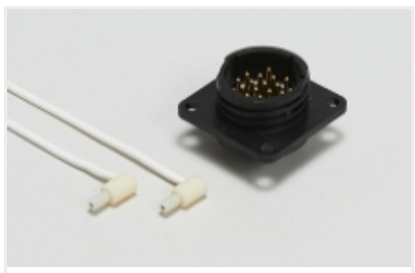


Insertion & Extraction Tools(4)



Power Contacts(260)

## Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

## Customers Also Bought



TE Part #91388-1
PRO-CRIMPER TOOL & DIE



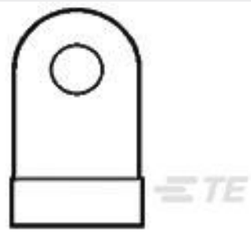
TE Part #91519-1
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part #166051-1
24-20 AWG HD-20 SOCKET



TE Part #1-206763-1
METRIMATE PIN HEADER ASSY,24P



TE Part #321582
TERMINAL,SOLIS FLAG R 2/0 5/16



TE Part #926681-3
12P UNIV.CAP HSG.



TE Part #2063880-1
SDE F HE13 HE14 28-24 ASSY



TE Part #34123-2
SOLIS,RING,16-14,10,UNPLTD

TE Part #E807
TERMINAL LUBRICANT

TE Part #CTS-S12-12
CONT SOC ASSY

## Documents

### Product Drawings

III+ PIN,18-14,TIN-LEAD,LP

English

### CAD Files

Customer View Model

ENG_CVM_CVM_1-66361-5_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66361-5_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66361-5_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

## Engineering Report

English