



Connectors > Contacts > Connector Contacts > Pin and Socket Contacts, Type III, LP



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

[All Pin and Socket Contacts, Type III, LP \(53\)](#)

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       | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Material Finish | Matte            |
| Contact Mating Area Plating Material Thickness        | .38 µm[.15 µin]  |
| Contact Mating Area Plating Material Finish           | Bright           |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Type                                          | Socket           |
| Contact Mating Area Plating Material                  | Gold             |
| Wire Contact Termination Area Plating Material        | Tin              |
| 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 | 2.03 - 2.54 mm[.08 - .1 in] |
| Wire Size                            | .2 - .6 mm <sup>2</sup>     |

Usage Conditions

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

Operation/Application

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

Identification Marking

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

Packaging Features

|                    |                     |
|--------------------|---------------------|
| Packaging Quantity | 1000                |
| Packaging Method   | Carton, Loose Piece |

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

|                                                                                                                                                                    |                                                                                                                                                                      |                                                                                                                                                                       |                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-AM71-C83998C<br/>Circular Plastic Connector, CMC Series 1</p> |  <p>TE Part # CAT-AM71-C83998Y<br/>One-Piece Connector, Sealed, CPC Series 1</p> |  <p>TE Part # CAT-AM71-C83998J<br/>Cable/Panel Mount Connector, CPC Series 1</p> |  <p>TE Part # CAT-AM71-C83998K<br/>Circular Connector, Environmentally Sealed, CPC Series 6</p> |
|  <p>TE Part # 58495-2<br/>PROCRIMPER DIE ASSY MULTIMATE</p>                     |  <p>TE Part # 200893-2<br/>INSERTION TOOL CONT</p>                               |  <p>TE Part # 58495-1<br/>PRO CRIMPER ASSY MULTIMATE</p>                         |  <p>TE Part # 539972-1<br/>EXTRACTION TOOL</p>                                                  |
|  <p>TE Part # 305183<br/>EXTRACT TOOL TYPE 2 20-16</p>                          |  <p>TE Part # 91523-1<br/>CCII TYPE III+ PIN SKT 24-16 ASSY</p>                  |                                                                                                                                                                       |                                                                                                                                                                                      |

Also in the Series | AMP Type III+



Connector Contacts(409)



Insertion & Extraction Tools(4)

Customers Also Bought



TE Part # 6609044-3  
Single Phase Filters, Corcom W Series



TE Part # 206060-1  
CPC PLUG ASSEMBLY SIZE 11-4



TE Part # 66099-3  
III+ PIN,18-16,15AU/FL,LP



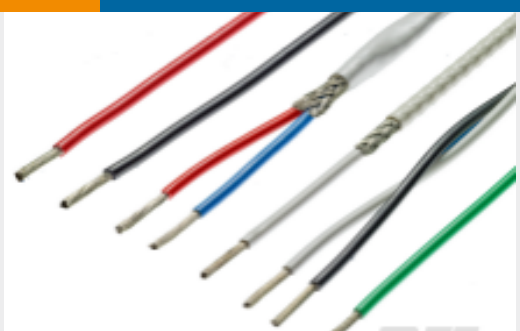
TE Part # 66425-7  
III+ PIN,30-26,15AU/FL,STRIP



TE Part # 103958-1  
10X2 MTE RPT SR LATCH .100CL



TE Part # 86571-6  
RND WIRE RCPT L.P.



TE Part # 0805093001  
99M0211-20-8



TE Part # 207571-1  
PLUG,4 POSN,ECONOSEAL

Documents

Product Drawings

III+ SKT,24-20,15AU/FL,LP

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_66399-3\_H.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_66399-3\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_66399-3\_H.3d\_stp.zip

English

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



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Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Signal Contacts

English

M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

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Product Specifications

Application Specification

English

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Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English