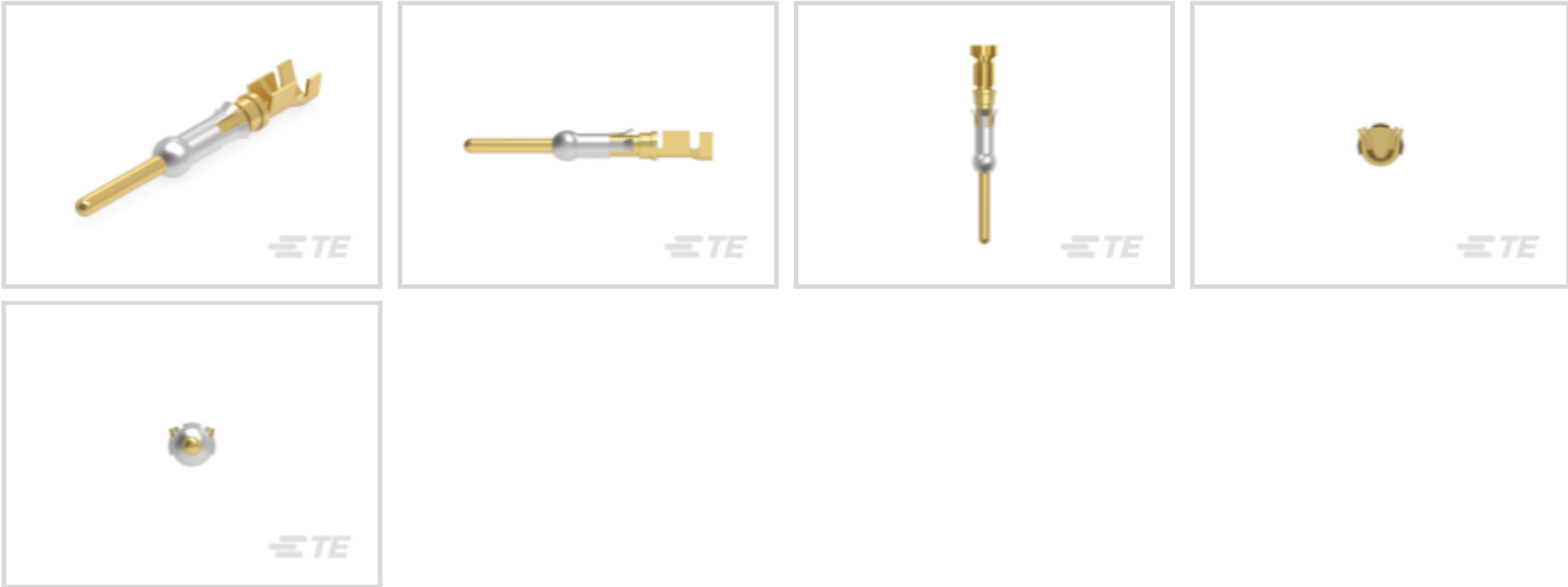




Connectors > Contacts > Connector Contacts > Pin and Socket Contacts, Type III, LP



Contact Type: **Pin**  
Contact Mating Area Plating Material: **Precious Metal**  
Wire Contact Termination Area Plating Material: **Gold**  
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               | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Thickness       | .25 µm[10 µin]   |
| Wire Contact Termination Area Plating Material Finish | Bright           |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Contact Mating Area Plating Material Finish           | Bright           |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Type                                          | Pin              |
| Contact Mating Area Plating Material                  | Precious Metal   |
| Wire Contact Termination Area Plating Material        | Gold             |
| 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 | Solder       |
| Product Terminates To              | Wire & Cable |

Mechanical Attachment

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

Dimensions

|           |              |
|-----------|--------------|
| Wire Size | .12 – .5 mm² |
|-----------|--------------|

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                  | 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 # 66183-1<br/>III+ SKT,SOLDER,30AU,10AU FLAS</p>                   |  <p>TE Part # 58495-2<br/>PROCrimper Die Assy Multimate</p>                     |  <p>TE Part # 91505-1<br/>CCII Type III+ 24-16 Assy</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>                          |                                                                                                                                                                                     |

Also in the Series | AMP Type III+

|                                                                                                                    |                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Contacts(409)</p> |  <p>Insertion &amp; Extraction Tools(4)</p> |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|



Customers Also Bought



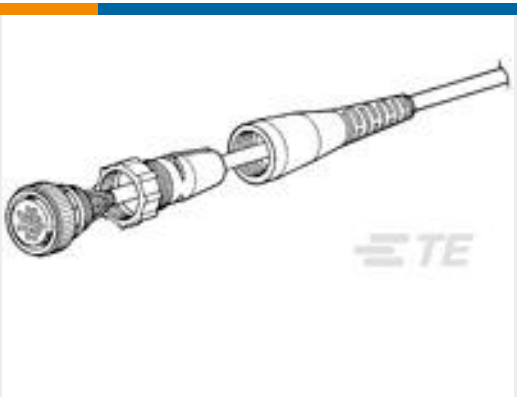
TE Part #208486-1  
Circular Plastic Connector, CMC Series 1



TE Part #3-643815-4  
04P MTA100 CONN ASSY POL RIB



TE Part #213810-1  
CPC COUPLING RING SIZE 17



TE Part #207387-1  
CABLE GRIP, SZ 17, CPC



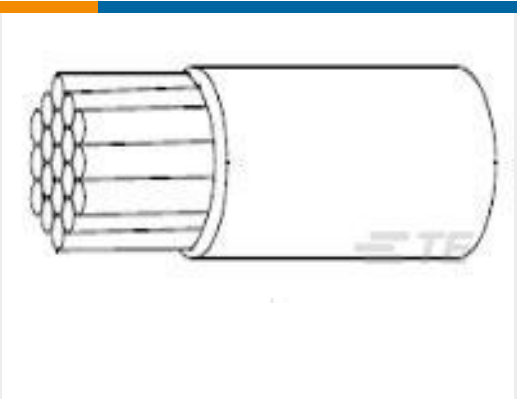
TE Part #160138  
PIDG RING TONGUE



TE Part #5207872-3  
KIT SCREWLOCK FEMALE (METRIC)



TE Part #201358-1  
MALE BLOCK 50 PL. SER. "M"



TE Part #216365-001  
22759/32-14-9

Documents

Product Drawings  
III+ PIN,SOLDER,30AU,10AU FLASH,LP  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_66182-1\_K.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_66182-1\_K.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_66182-1\_K.3d\_stp.zip  
English  
3D PDF  
English  
Customer View Model  
ENG\_CVM\_66182-1\_L.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_66182-1\_L.3d\_igs.zip  
English  
Customer View Model



[ENG\\_CVM\\_66182-1\\_L.3d\\_stp.zip](#)

English

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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

Product Specifications

[Application Specification](#)

English