

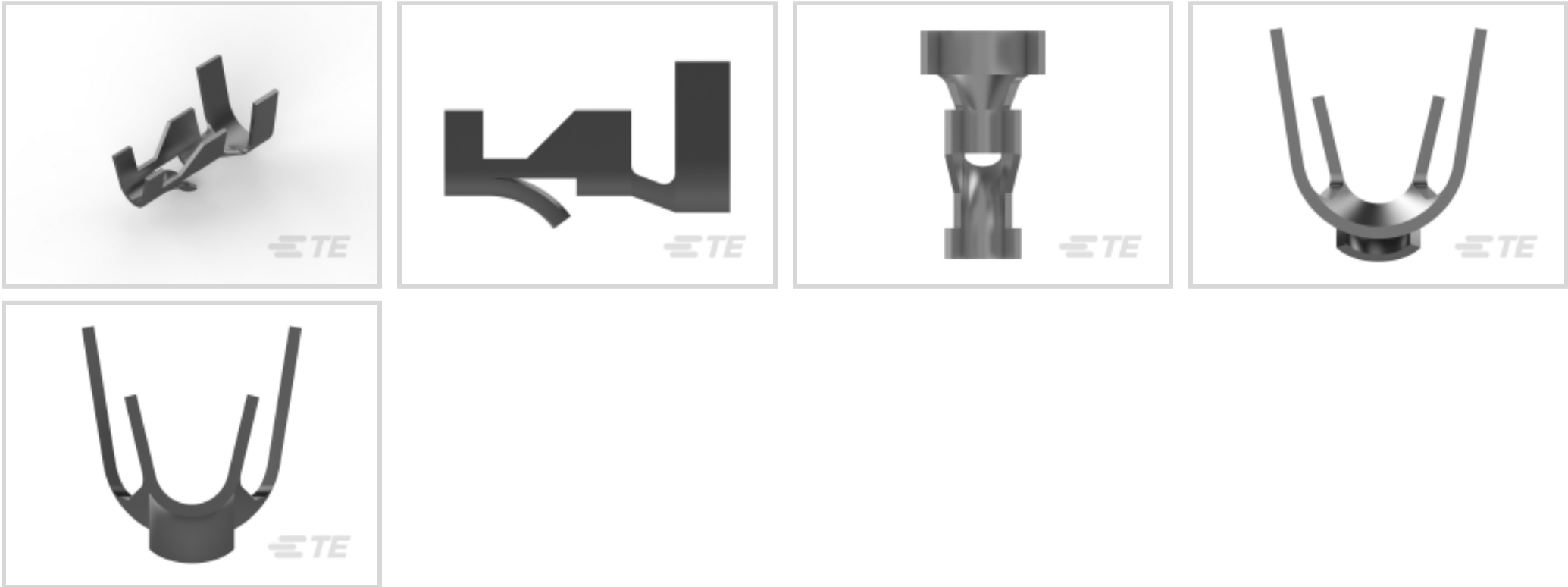


AMP-IN

TE Internal #: 640311-5  
PCB Terminals, PCB Pin, PCB Hole Diameter 1.83 mm [.072 in], 22 – 18 AWG Wire Size, .3 – .9 mm² Wire Size, Through Hole - Solder, Crimp, Tin Plating

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Terminals & Splices > PCB Terminals



PCB Terminal Type: **PCB Pin**  
PCB Thickness (Recommended): **1.57 mm [ .062 in ]**  
PCB Hole Diameter: **1.83 mm [.072 in ]**  
Profile Height from PCB: **1.35 mm [ .053 in ]**  
Accepts Wire Insulation Diameter (Max): **2.79 mm [ .11 in ]**

Features

Product Type Features

|                             |            |
|-----------------------------|------------|
| PCB Terminal Mounting Style | Stud Mount |
|-----------------------------|------------|

Configuration Features

|                                   |                      |
|-----------------------------------|----------------------|
| Stud Hole                         | No                   |
| Compatible With Wire & Cable Type | Round Jacketed Cable |
| Terminal Angle                    | 180 °                |

Contact Features

|                               |           |
|-------------------------------|-----------|
| Contact Plating Material      | Tin       |
| PCB Terminal Type             | PCB Pin   |
| Terminal Plating Material     | Tin       |
| Contact Underplating Material | Nickel    |
| Terminal Size                 | Miniature |
| Terminal Orientation          | Straight  |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|



|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Product Terminates To                       | Printed Circuit Board |

Mechanical Attachment

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

Dimensions

|  |                              |
|--|------------------------------|
| Extension Below Board                  | 3.68 mm[.145 in]             |
| PCB Thickness (Recommended)            | 1.57 mm[.062 in]             |
| PCB Hole Diameter                      | 1.83 mm[.072 in]             |
| Profile Height from PCB                | 1.35 mm[.053 in]             |
| Accepts Wire Insulation Diameter (Max) | 2.79 mm[.11 in]              |
| Accepts Wire Insulation Diameter Range | 1.52 – 2.79 mm[.06 – .11 in] |
| Wire Size                              | .3 – .9 mm²                  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Insulation Option           | Uninsulated                |
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 6000 |
| Packaging Method   | Reel |

Other

|         |                    |
|---------|--------------------|
| Comment | .2 brass material. |
|---------|--------------------|

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 2023 (233)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free  |










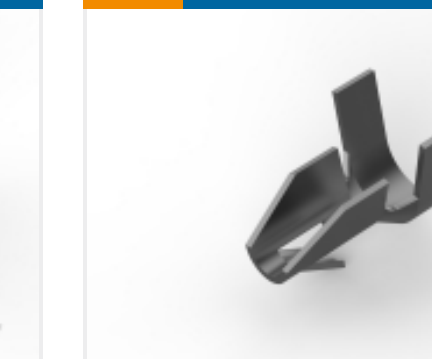


Solder Process Capability

Wave solder capable to 265°C

Product Compliance Disclaimer




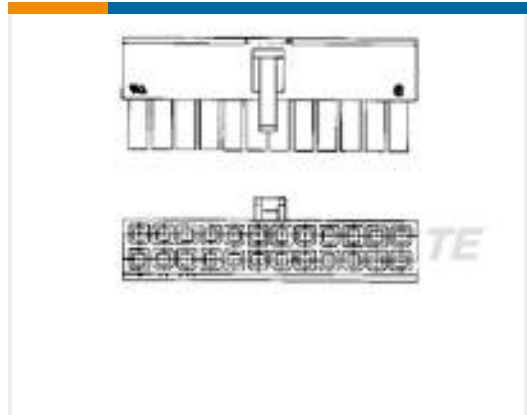
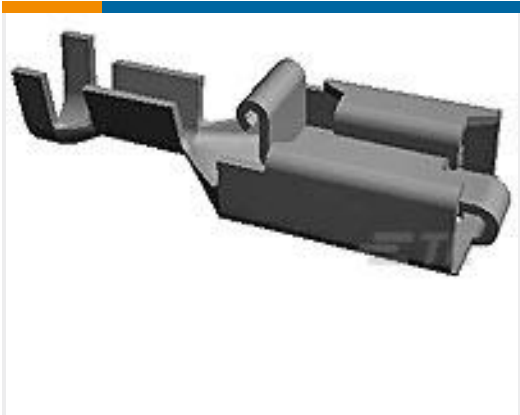


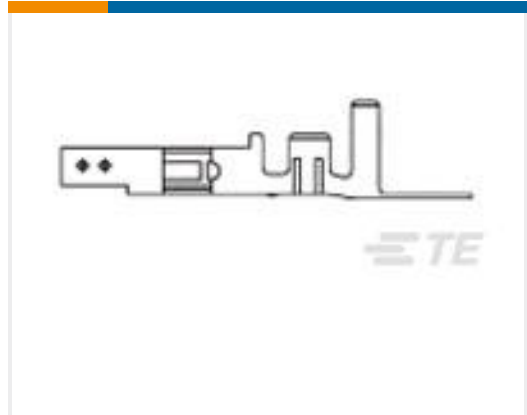


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-640401-1<br/>MINI AMP-IN 26-22 SN/PHBZ</p> |  <p>TE Part # 3-640311-1<br/>MINI AMP-IN 22-18 AWG .008PTPPHBZ</p>    |  <p>TE Part # 350566-7<br/>MINI AMP-IN 22-18 AWG POST TIN PLTD</p> |  <p>TE Part # 3-350566-1<br/>MINI AMP-IN 22-18 PTLP/PHBZ</p>       |
|  <p>TE Part # 3-770565-2<br/>MINI AMP-IN 22-18 AWG LF</p>  |  <p>TE Part # 3-794121-1<br/>TERMINAL, MINI AMP-IN 2000 22-18 AWG</p> |  <p>TE Part # 170338-1<br/>AMP-IN 22-18 AWG</p>                    |  <p>TE Part # 3-770565-1<br/>MINI AMP-IN 22-18 AWG SN/BRASS LF</p> |
|  <p>TE Part # 350566-3<br/>MINI AMP-IN 22-18 PTPBR</p>     |  <p>TE Part # 170197-2<br/>MINI AMP-IN 24-20 AWG</p>                  |   |   |

Customers Also Bought



|  |  |   |  |
|--|--|---|--|
|  <p>TE Part #0462-201-2031<br/>SOC, SOLID, SIZE 20, 20AWG, AU</p>   |  <p>TE Part #1-917484-2<br/>DYNAMIC D-3 REC CONT. 2L AU 0.38</p> |  <p>TE Part #207019-1<br/>METRIMATE PLUG, 36 POS</p>         |  <p>TE Part #794954-6<br/>6P RCPT VAL-U-LOK V2</p>          |
|  <p>TE Part #737015-3<br/>PL TERMINAL RECEPTACLE 4-6 MM2 PTPBR</p> |  <p>TE Part #60290-2<br/>250 FASTON FLAG REC 18-14 AWG TPBR</p> |  <p>TE Part #794184-1<br/>02P MINI UMN2 PLUG HSG UL94V0</p> |  <p>TE Part #794958-1<br/>VAL-U-LOK SKT BR SN 22-26AWG</p> |
|  <p>TE Part #154719<br/>250 HSG. PL MKI REC. BLACK</p>            |  <p>TE Part #1-167019-4<br/>14P. RIBBCBL 28AWG P1.27</p>       |   |  |

Documents

Product Drawings  
MINI AMP-IN 22-18 AWG POST TIN PLTD  
English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_640311-5\_Y.2d\_dxf.zip  
English  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_640311-5\_Y.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_640311-5\_Y.3d\_stp.zip  
English

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Product Specifications



Application Specification

English