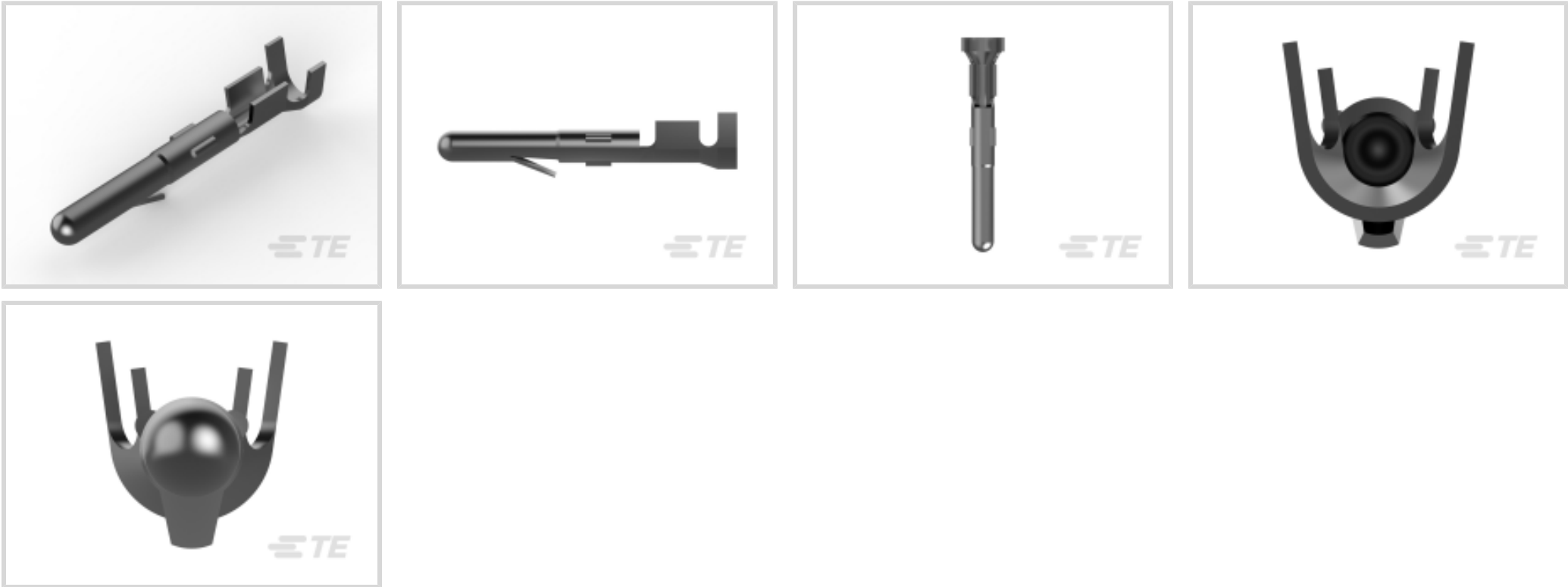




Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Lance**

Features

Product Type Features

|                    |          |
|--------------------|----------|
| Discrete Wire Type | Stranded |
|--------------------|----------|

Contact Features

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Mating Pin Diameter                                   | 2.1 mm[.082 in] |
| Wire Contact Termination Area Plating Material Finish | Bright          |
| Contact Shape & Form                                  | Round           |
| Contact Orientation                                   | Straight        |
| Barrel Type                                           | Open            |
| Contact Type                                          | Pin             |
| Contact Mating Area Plating Material                  | Tin             |
| Wire Contact Termination Area Plating Material        | Tin-Lead        |
| Contact Retention Within Housing                      | With            |
| Contact Base Material                                 | Phosphor Bronze |

Termination Features

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



| Product Terminates To                                           | Wire & Cable                                                                                                                  |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Attachment                                           |                                                                                                                               |
| Wire Insulation Support                                         | Without                                                                                                                       |
| Contact Retention Type Within Housing                           | Locking Lance                                                                                                                 |
| Dimensions                                                      |                                                                                                                               |
| Compatible Insulation Diameter Range                            | 1.8 - 3.3 mm[.071 - .13 in]                                                                                                   |
| Wire Size                                                       | .5 - 1 mm <sup>2</sup>                                                                                                        |
| Usage Conditions                                                |                                                                                                                               |
| Operating Temperature Range                                     | -55 - 105 °C                                                                                                                  |
| Operation/Application                                           |                                                                                                                               |
| Circuit Application                                             | Power                                                                                                                         |
| Packaging Features                                              |                                                                                                                               |
| Packaging Quantity                                              | 4500                                                                                                                          |
| 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

|                                                                                                                                                  |                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 465644-1<br/>EXTRACTION TOOL</p>                  |  <p>TE Part # 455830-1<br/>INSERTION TOOL</p>                 |  <p>TE Part # 1-171196-0<br/>6 POS MATE-N-LOK S</p>           |  <p>TE Part # 1-480274-0<br/>09P CMNL PLUG HSG P/M NATL</p>  |
|  <p>TE Part # 1-480284-0<br/>08P CMNL CAP HSG M/M NATL</p>    |  <p>TE Part # 1-480438-0<br/>16P CMNL PLUG HSG M/M NATL</p> |  <p>TE Part # 1-480683-0<br/>02P CMNL PLUG HSG F/H NATL</p> |  <p>TE Part # 1-480277-0<br/>09P CMNL CAP HSG P/M NATL</p> |
|  <p>TE Part # 1-480722-0<br/>04P CMNL PLUG HSG W/LCK NATL</p> |  <p>TE Part # 1-480276-0<br/>06P CMNL CAP HSG P/M NATL</p>  |  <p>TE Part # 1-480285-0<br/>10P CMNL PLUG HSG M/M NATL</p> |  <p>TE Part # 1-480439-0<br/>16P CMNL CAP HSG M/M NATL</p> |
|  <p>TE Part # 1-480393-1<br/>02P CMNL PLUG HSG F/H BLK</p>    |  <p>TE Part # 1-480345-0<br/>08P CMNL CAP HSG F/H NATL</p>  |  <p>TE Part # 1-480340-0<br/>06P CMNL CAP HSG F/H NATL</p>  |  <p>TE Part # 1-480278-0<br/>12P CMNL CAP HSG P/M NATL</p> |





TE Part # 1-480425-0  
04P CMNL PLUG HSG P/M NATL

TE Part # 1-480324-0  
15P CMNL CAP HSG P/M NATL

TE Part # 1-480721-0  
03P CMNL PLUG HSG W/LOK NATL

TE Part # 1-480323-0  
15P CMNL PLUG HSG P/M NATL

Also in the Series | Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

Crimp Wire Pins, Tabs & Ferrules(2)

Insertion & Extraction Tools(3)

Rectangular Connector Housings(9)

Rectangular Power Connectors(167)

Standard Circular Connectors(2)

Standard Rectangular Connectors(7)

Customers Also Bought

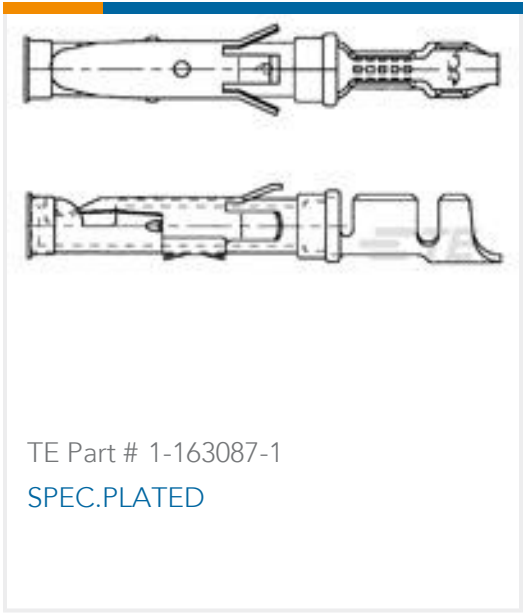
TE Part # 776266-1  
AMPSEAL PCB Right-Angle Headers

TE Part # 163085-9  
.062 DIA PIN ASS 3+

TE Part # 926298-3  
04P UNIV.M-N-L.PLUG

TE Part # 794059-1  
MINI UMNL PIN L/P





Documents

Product Drawings  
MATENLOK PIN

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_163301-8\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_163301-8\_K.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_163301-8\_K.2d\_dxf.zip

English

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

Product Specifications

Application Specification

English