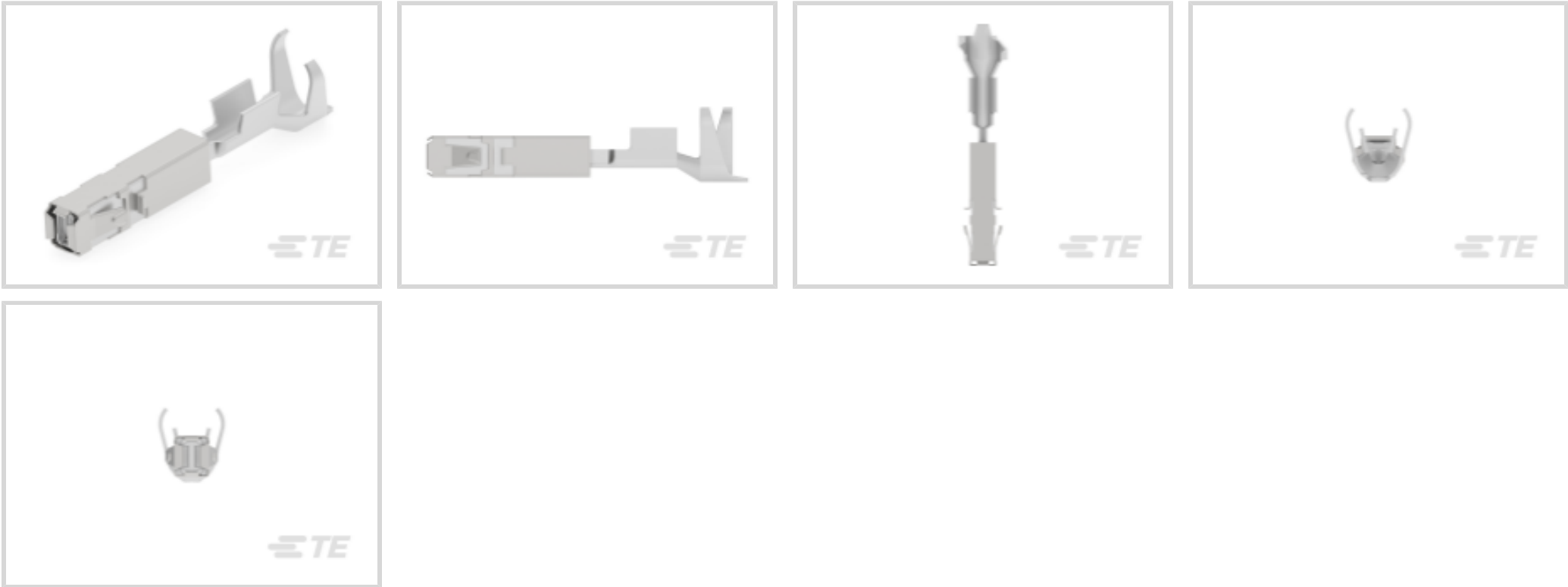




Terminals & Splices > Automotive Terminals > AMP MCP, RECEPTACLE AND TAB



Terminal Type: **Receptacle**

Mating Tab Width: **1.5 mm [ .059 in ]**

Mating Tab Thickness: **.6 mm [ .024 in ]**

Terminal Transmits: **0 – 24 A (Low Power)**

Wire Size: **20 – 17 AWG**

[All AMP MCP, RECEPTACLE AND TAB \(110\)](#)

Features

Product Type Features

|                         |               |
|-------------------------|---------------|
| Receptacle Style        | 180°          |
| Sealable                | Yes           |
| Primary Locking Feature | Locking Lance |

Body Features

|                    |                        |
|--------------------|------------------------|
| Terminal Seal Type | Single Wire Seal (SWS) |
|--------------------|------------------------|

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Size                                   | 1.5K             |
| Contact Fabrication                            | Stamped & Formed |
| Wire Contact Termination Area Plating Material | Tin              |
| Typical Current Rating                         | 12 A             |
| Crimp Type                                     | F-Crimp          |
| Terminal Type                                  | Receptacle       |



|                      |                 |
|----------------------|-----------------|
| Mating Tab Width     | 1.5 mm[.059 in] |
| Mating Tab Thickness | .6 mm[.024 in]  |
| Interface Plating    | Tin (Sn)        |

Termination Features

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

Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | 1.4 – 2.1 mm[.055 – .083 in]   |
| Wire Size                            | .5 – 1 mm <sup>2</sup>         |
| Wire Size Search                     | 17 AWG, 18 AWG, 19 AWG, 20 AWG |

Usage Conditions

|                             |                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Option           | Uninsulated                                                                                                                                 |
| Operating Temperature (Max) | 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F] |
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F]                                                                                                                  |

Operation/Application

|                                                           |                                   |
|-----------------------------------------------------------|-----------------------------------|
| Conforms to KOMAX Automatic Component Insertion Guideline | Yes, per Version 5.0 (March 2018) |
| Compatible With Wire Base Material                        | Copper                            |

Industry Standards

|                                           |       |
|-------------------------------------------|-------|
| Compatible With Agency/Standards Products | LV214 |
|-------------------------------------------|-------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 4500 |
| Packaging Method   | Reel |

Other

|                    |                      |
|--------------------|----------------------|
| Terminal Transmits | 0 – 24 A (Low Power) |
|--------------------|----------------------|

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 |

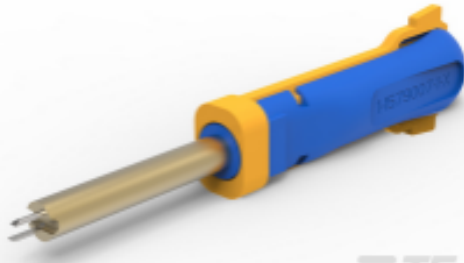


|                                        |                                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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-H3399-CH8172<br/>Heavy Duty Sealed Connector Series Housings</p> |  <p>TE Part # CAT-L489-CH8172<br/>LEAVYSEAL Connector Housings</p> |  <p>TE Part # CAT-AM705-CH8172<br/>AMP MCP, SEALED CONNECTOR HOUSING</p> |  <p>TE Part # 963530-1<br/>EINZELLEITERDICHTNG</p> |
|  <p>TE Part # 964972-1<br/>EINZELLEITERDICHTNG</p>                                 |  <p>TE Part # 1-2293551-1<br/>62POS,MIXED,REC HSG,ASSY,SLD</p>     |  <p>TE Part # CAT-T4827-CH8172<br/>Timer Connector Housing</p>           |  <p>TE Part # 1-1579007-1<br/>EXTRACTION TOOL</p>  |





|                                                                                                                                                        |                                                                                                                                                              |                                                                                                                                                                   |                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-1823440-1<br/>22POS, MIXED, REC HSG, ASSY, SEALED</p> |  <p>TE Part # 1579008-9<br/>INSERTION TOOL</p>                             |  <p>TE Part # 2-2293551-1<br/>62POS, MIXED, REC HSG, ASSY, SLD</p>             |  <p>TE Part # 2063524-1<br/>SDE MCP1.5 0.2-1.0mm2 ASSY</p>           |
|  <p>TE Part # 2063524-2<br/>SDE MCP1.5 0.2-1.0mm2 DIE SET</p>        |  <p>TE Part # 2151064-1<br/>OCEAN_2.0_APPLICATOR-S-070F125O-RSM</p>       |  <p>TE Part # 2151064-2<br/>OCEAN_2.0_APPLICATOR-S-070F125O-RSA</p>           |  <p>TE Part # 2299987-1<br/>65W PLUG ASSEMBLY</p>                   |
|  <p>TE Part # 2299987-4<br/>65W PLUG ASSEMBLY</p>                   |  <p>TE Part # 2305570-1<br/>Strip Terminal Cutter-Side Feed-No Crimp</p> |  <p>TE Part # 2306960-1<br/>3POS, AMP MCP 1.5K, REC HSG ASSY, SLD, COD A</p> |  <p>TE Part # 3-2293551-1<br/>62POS, MIXED, REC HSG, ASSY, SLD</p> |

Also in the Series | AMP MCP 1.5K

|                                                                                                                                       |                                                                                                                     |                                                                                                                       |                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers (3)</p> |  <p>Automotive Housings(80)</p> |  <p>Automotive Terminals(22)</p> |  <p>Insertion &amp; Extraction Tools(1)</p> |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|

Customers Also Bought

|                                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                        |                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #1-1418479-1<br/>Heavy Duty Sealed Connector Series Housings</p> |  <p>TE Part #828922-1<br/>2,5MM CAVITY PLUG FOR 5,4MM DI</p> |  <p>TE Part #964971-1<br/>EINZELLEITERDICHTNG</p> |  <p>TE Part #1418884-1<br/>AMP MCP, RECEPTACLE AND TAB</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|





Documents

Product Drawings

AMP MCP 1.5K, CONTACT, SWS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1241380-1\_B\_c-1241380-1-b.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1241380-1\_B\_c-1241380-1-b.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1241380-1\_B\_c-1241380-1-b.3d\_stp.zip

English

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

Datasheets & Catalog Pages

HDSCS Catalog

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

German