



TE Internal #: 1-2840573-2

Automotive Terminals, Receptacle, Mating Tab Width 10 mm [.394 in], Tab Thickness 1.2 mm [.047 in], 7 – 5 AWG Wire Size, 10 – 16 mm<sup>2</sup> Wire Size

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Terminals & Splices > Automotive Terminals



Terminal Type: **Receptacle**

Mating Tab Width: **10 mm [ .394 in ]**

Mating Tab Thickness: **1.2 mm [ .047 in ]**

Terminal Transmits: **41 – 100 A (High Power)**

Wire Size: **7 – 5 AWG**

## Features

### Product Type Features

|                         |               |
|-------------------------|---------------|
| Receptacle Style        | 90°           |
| Sealable                | No            |
| Primary Locking Feature | Locking Lance |

### Contact Features

|  |                  |
|--|------------------|
| Contact Fabrication                            | Stamped & Formed |
| Wire Contact Termination Area Plating Material | Silver           |
| Typical Current Rating                         | 60 A             |
| Crimp Type                                     | F-Crimp          |
| Terminal Type                                  | Receptacle       |
| Mating Tab Width                               | 10 mm [.394 in]  |
| Mating Tab Thickness                           | 1.2 mm [.047 in] |
| Interface Plating                              | Silver (Ag)      |

### Termination Features

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

### Dimensions

|                  |                         |
|------------------|-------------------------|
| Wire Size        | 10 – 16 mm <sup>2</sup> |
| Wire Size Search | 5 AWG, 6 AWG, 7 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, 140 °C, 145 °C, 150 °C, 155 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F][311 °F] |
| Operating Temperature Range | -40 – 155 °C[-40 – 311 °F]  |

### Operation/Application

|                                    |        |
|------------------------------------|--------|
| Compatible With Wire Base Material | Copper |
|------------------------------------|--------|

### Industry Standards

|                 |       |
|-----------------|-------|
| Agency/Standard | USCAR |
|-----------------|-------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 100  |
| Packaging Method   | Tray |

### Other

|                    |                         |
|--------------------|-------------------------|
| Terminal Transmits | 41 – 100 A (High 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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 reviewed 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



TE Part # CAT-AM705-CH8173  
AMP MCP Unsealed Connector Housings



TE Part # 2305855-1  
DIE SET PCON 12-180 SGL T 10-16MM2



TE Part # 2310213-2  
2POS,PCON12,REC HSG ASSY,90DEG,SLD,COD B



TE Part # 7-2305855-7  
CRIMP TOOLING KIT




TE Part # 8-1579028-2  
EXTRACTION TOOL



TE Part # 9-2305855-1  
APPLIC PCON 12-90 T 10-16MM2



TE Part # 9-2335370-1  
APPLIC PCON 12-90/180 T 10-16MM2



TE Part # 2335370-1  
DIE SET PCON 12-180 DUAL T 10-16MM2

## Customers Also Bought



TE Part #1719826-7  
SINGLE WIRE SEAL,8MM HV



TE Part #2177059-1  
PROTECTION CAP,180DEG



TE Part #2177090-1  
STEEL,OUTER FERRULE,8MM HV,50SQMM



TE Part #1-1355849-1  
AMP MCP 9.5, CONTACT, LANCELESS



TE Part #1355289-2  
MCP9,5BU-GEH2P,GRAU



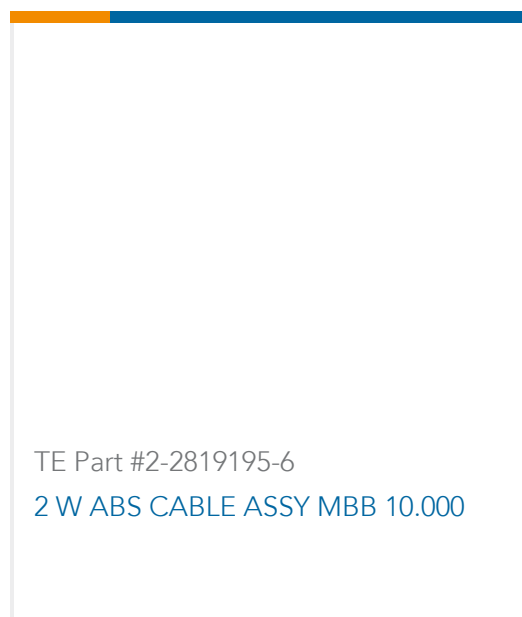
TE Part #1587977-2  
INNER HOUSING, PLUG, HVA280-2PHM, PASS T



TE Part #2177061-2  
SHIELD CRIMP FERRULE,180DEG



TE Part #2355148-1  
SLEEVE,IPT 3P SHIELDING



## Documents

### Product Drawings

[PCON12,TERMINAL,FAM SLD/UNSLD](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2840573-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2840573-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2840573-2\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English