

1-2282337-5 ✓ ACTIVE

MCON | MCON 1.2mm

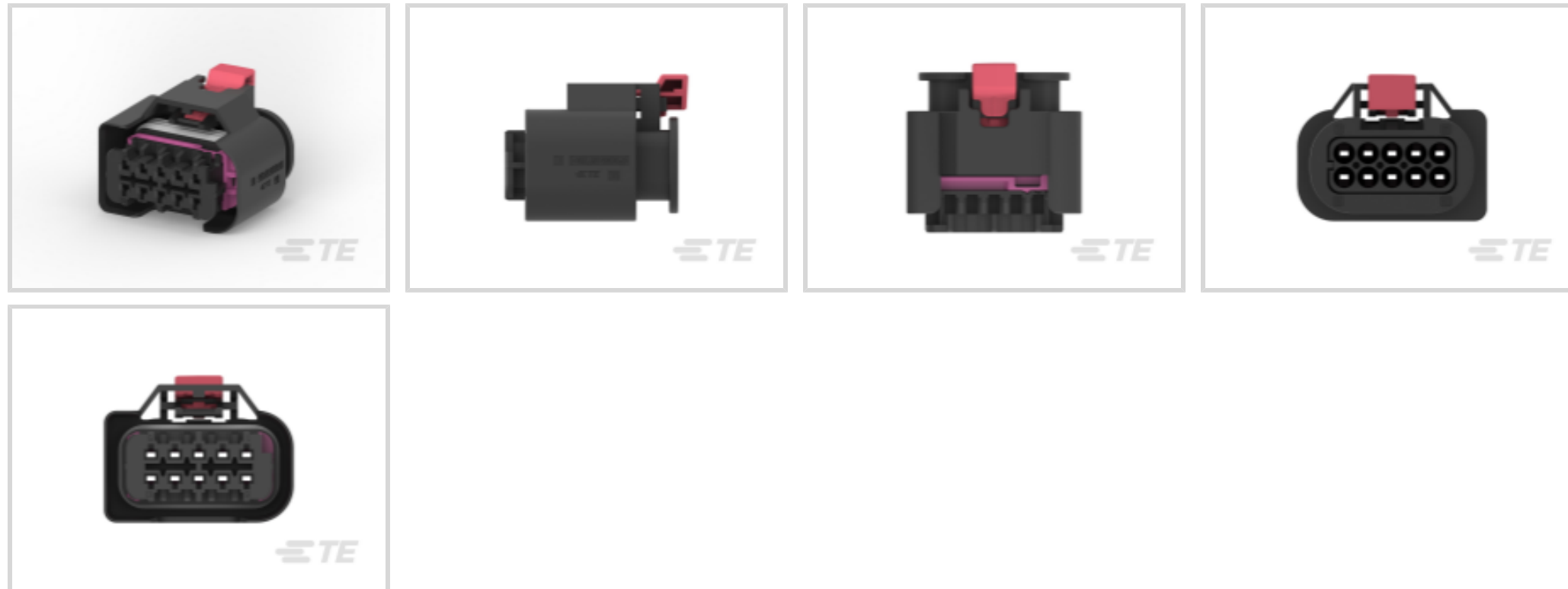
TE Internal #: 1-2282337-5

10 Position Housing, Housing for Female Terminals, Wire-to-Board / Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black, Wire & Cable, MCON 1.2mm

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > 48V Ready 1.2mm Sealed Connectors



Number of Positions: 10

Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: 1.2 mm [.047 in]

Connector System: **Wire-to-Board, Wire-to-Wire**

Centerline (Pitch): 4 mm [.157 in]

[All 48V Ready 1.2mm Sealed Connectors \(41\)](#)

## Features

### Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | No                           |
| Connector Shape                   | Rectangular                  |
| Connector & Housing Type          | Housing for Female Terminals |
| Connector System                  | Wire-to-Board, Wire-to-Wire  |
| Sealable                          | Yes                          |
| Primary Locking Feature           | On the Terminal              |
| Connector & Contact Terminates To | Wire & Cable                 |

### Configuration Features

|                       |    |
|-----------------------|----|
| Blank Cavity Position | 0  |
| Number of Positions   | 10 |
| Number of Rows        | 2  |

### Electrical Characteristics



|                              |                  |
|------------------------------|------------------|
| Operating Voltage            | 12 VDC           |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

|                         |       |
|-------------------------|-------|
| Cable Exit Angle        | 180°  |
| Primary Product Color   | Black |
| Connector & Keying Code | A     |

### Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | 1.2mm           |
| Contact Type                 | Receptacle      |
| Mating Tab Width             | 1.2 mm[.047 in] |
| Contact Current Rating (Max) | 15 A            |

### Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Strain Relief               | Without                    |
| Terminal Position Assurance | Yes                        |
| Mating Alignment Type       | Keyed                      |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

### Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA GF, PBT GF |
| Centerline (Pitch) | 4 mm[.157 in] |

### Dimensions

|                    |                   |
|--------------------|-------------------|
| Row-to-Row Spacing | 4 mm[.157 in]     |
| Product Width      | 29 mm[1.14 in]    |
| Product Length     | 31.8 mm[1.25 in]  |
| Connector Height   | 23.05 mm[.907 in] |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 130 °C[266 °F]             |
| Operating Temperature Range | -40 – 150 °C[-40 – 302 °F] |

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

|           |       |
|-----------|-------|
| IP Rating | IPX9K |
|-----------|-------|

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

### Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

### Other

|             |     |
|-------------|-----|
| Serviceable | Yes |
|-------------|-----|

|                                      |     |
|--------------------------------------|-----|
| Connector Position Assurance Capable | Yes |
|--------------------------------------|-----|

### 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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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-N14-RC4812  
48V Ready 1.2mm Sealed Connectors



TE Part # CAT-M4595-T273  
MCON Receptacle and Tab

TE Part # 1-2301520-6  
8POS, MCON 1.2 LL TAB SEALED  
2ROW

TE Part # 2-2301520-6  
8POS, MCON 1.2 LL TAB SEALED  
2ROW

TE Part # 2-2301520-7  
8POS, MCON 1.2 LL TAB SEALED  
2ROW



TE Part # 2-2301520-5  
8POS, MCON 1.2 LL TAB SEALED  
2ROW

TE Part # 2282342-1  
CPA

TE Part # 1-2301520-7  
8POS, MCON 1.2 LL TAB SEALED  
2ROW



TE Part # 2-2301521-5  
10POS, MCON 1.2 LL TAB SEALED  
2ROW

TE Part # 2282341-1  
RETAINER,10POS., MCON1.2


Also in the Series | **MCON 1.2mm**



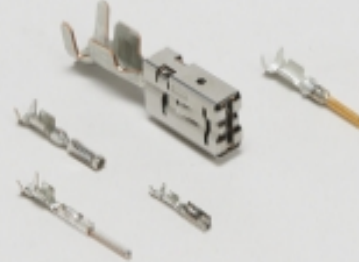
Automotive Connector Caps & Covers  
(15)




Automotive Connector Locks & Position Assurance(10)




Automotive Housings(312)




Automotive Terminals(85)



Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(5)



Other Automotive Connector Accessories(8)

Customers Also Bought



TE Part #2297907-1  
12 WAY IN-LINE REC PLUG ASSY



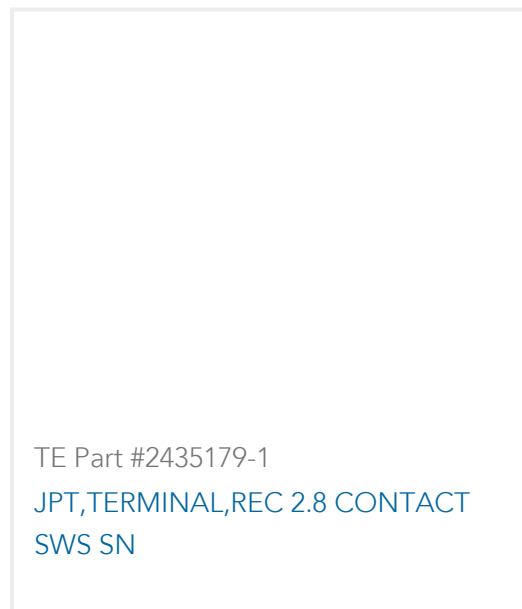
TE Part #2377789-2  
TAB1.2X0.6, TERMINAL, SWS, REM 1.2  
0.35MM2



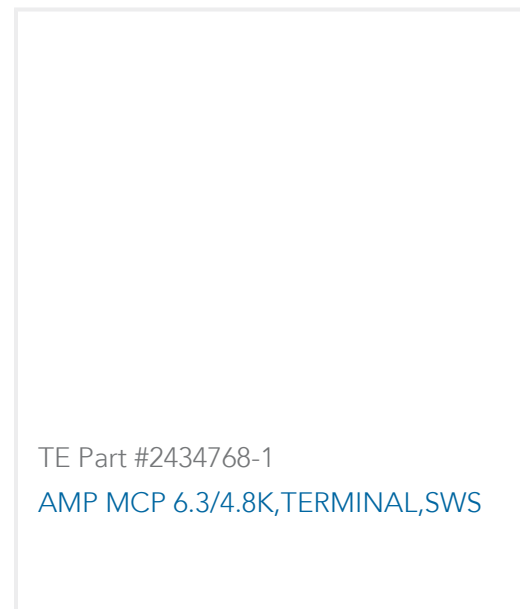
TE Part #2297911-1  
12 WAY IN-LINE TAB PLUG ASSY



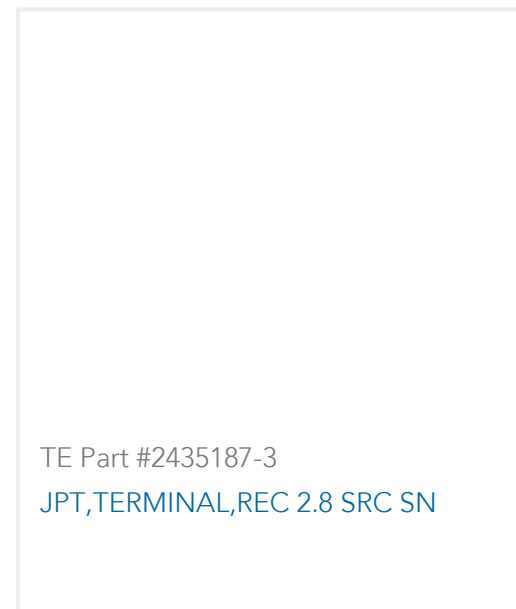
TE Part #2203663-6  
2X9 SEALED PLUG ASSY KEY B



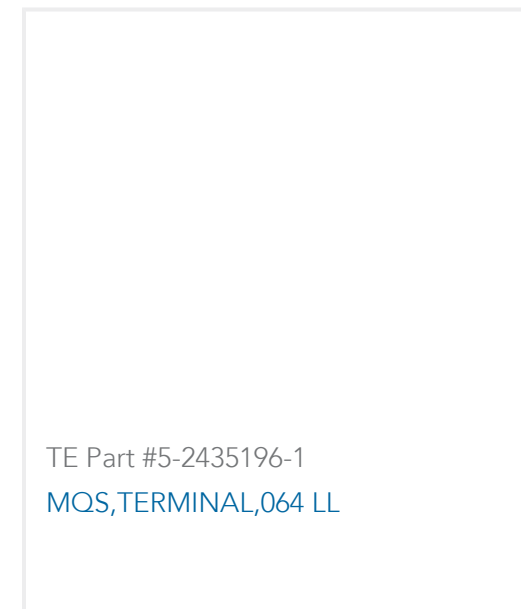
TE Part #2435179-1  
JPT, TERMINAL, REC 2.8 CONTACT  
SWS SN



TE Part #2434768-1  
AMP MCP 6.3/4.8K, TERMINAL, SWS



TE Part #2435187-3  
JPT, TERMINAL, REC 2.8 SRC SN



TE Part #5-2435196-1  
MQS, TERMINAL, 064 LL



TE Part #2438818-1  
AMP SUPERSEAL 1.5 SERIES 3P PL



TE Part #2435052-1  
AMP SUPERSEAL 1.5 SERIES 4P PL,  
CONN KIT

## Documents

### Product Drawings

10POS, MCON 1.2 LL REC SEALED 2ROW

English

10POS, MCON 1.2 LL REC SEALED 2ROW

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2282337-5\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2282337-5\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2282337-5\\_B.3d\\_stp.zip](#)

English

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



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[Product Specifications](#)

[Application Specification](#)

English