



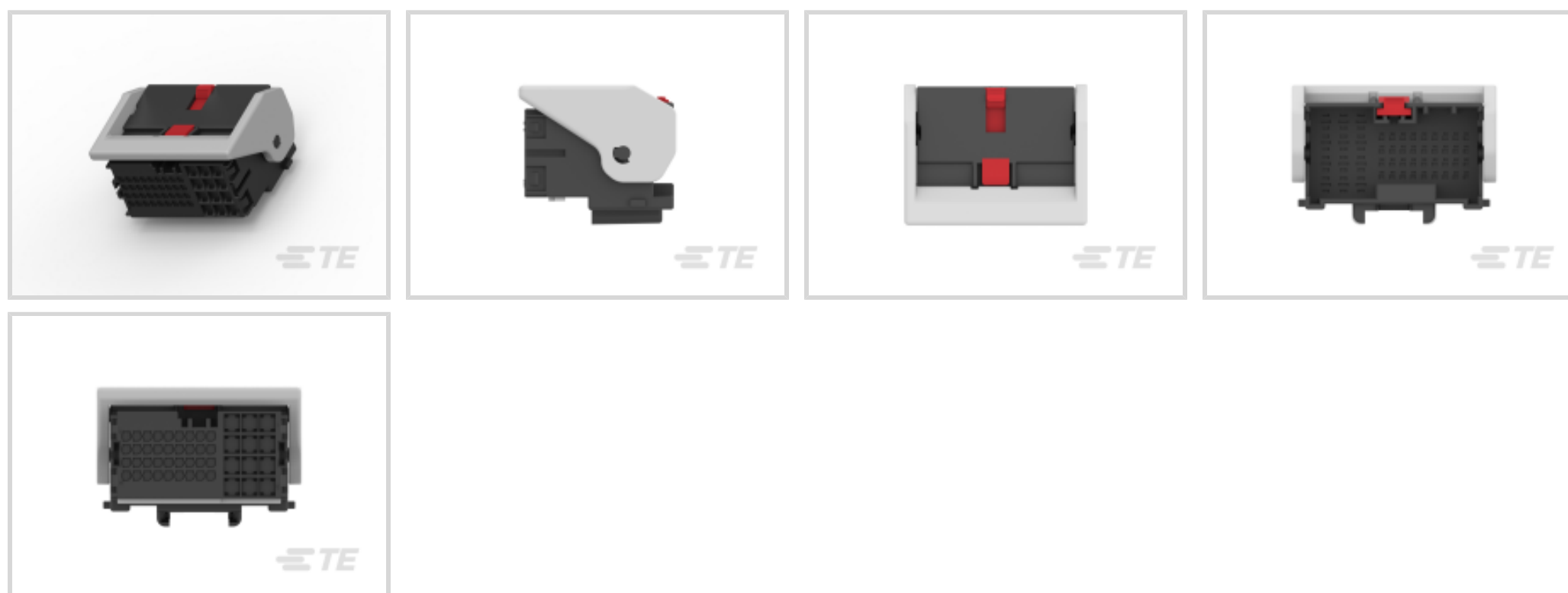
1.5/2.8 Connector System

TE Internal #: 5-2109455-2

Housing for Male Terminals, Wire-to-Wire, 48 Position, .118 in [3 mm] Centerline, Black, Signal, Cable Mount (Free-Hanging), 1.5/2.8 Connector System

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings > 1.5/2.8 CONNECTOR SYSTEM, HOUSING



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

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

Connector System: **Wire-to-Wire**

Number of Positions: **48**

Centerline (Pitch): **3 mm [ .118 in ]**

[All 1.5/2.8 CONNECTOR SYSTEM, HOUSING \(18\)](#)

**Features**

**Product Type Features**

Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	No
Hybrid Connector	Yes
Primary Locking Feature	On the Terminal

**Configuration Features**

Number of Positions	48
Number of Rows	4

**Electrical Characteristics**

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V



### Body Features

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

### Contact Features

Contact Size	1.2mm, 2.8mm
Contact Type	Tab
Mating Tab Width	1.2 mm[.047 in]

### Mechanical Attachment

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3 mm[.118 in]

### Dimensions

Product Width	58 mm[2.283 in]
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### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[158 °F][167 °F][176 °F][185 °F][194 °F] [212 °F][221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	24
Packaging Method	Tray

### Other

Serviceable	Yes
Connector Position Assurance Capable	Yes

## Product Compliance


For compliance documentation, visit the product page on [TE.com](#)>

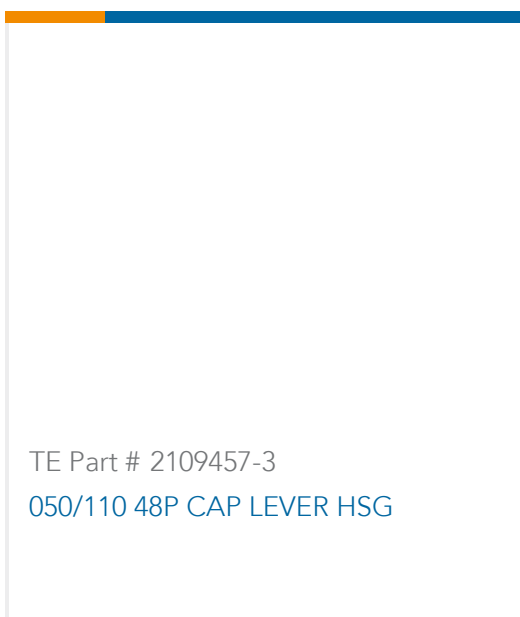
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not 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

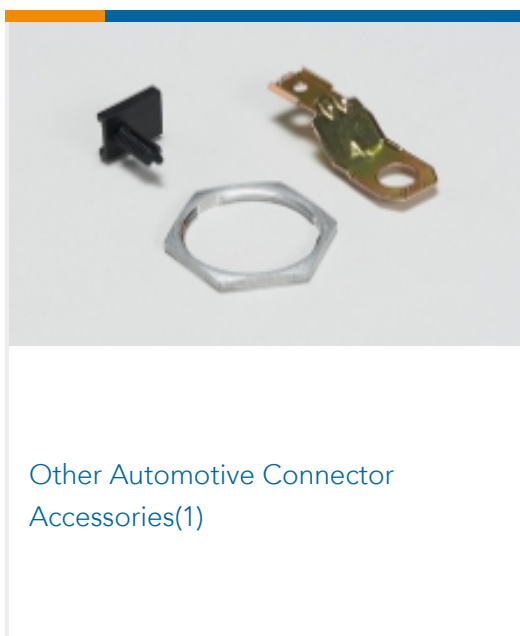
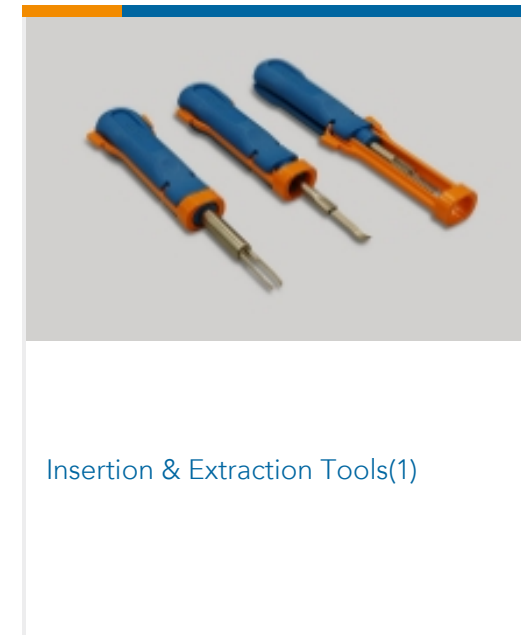
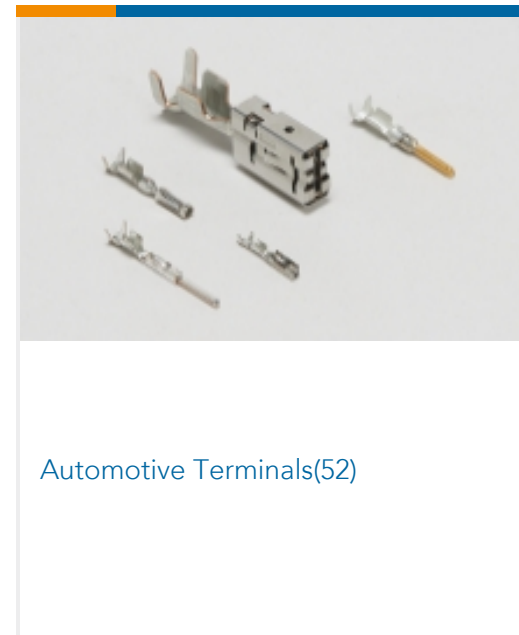
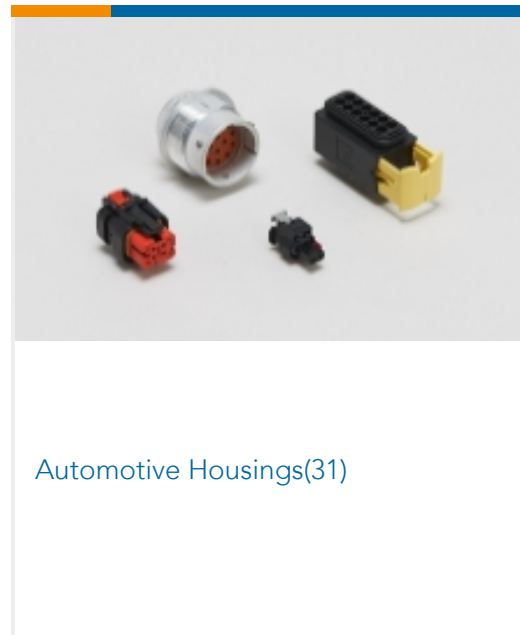
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

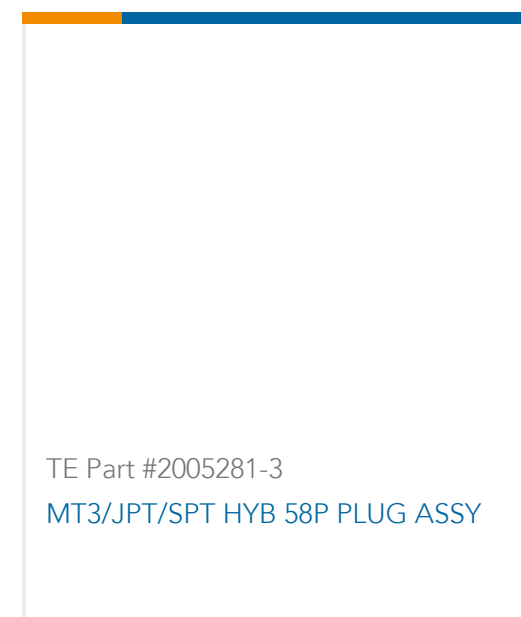
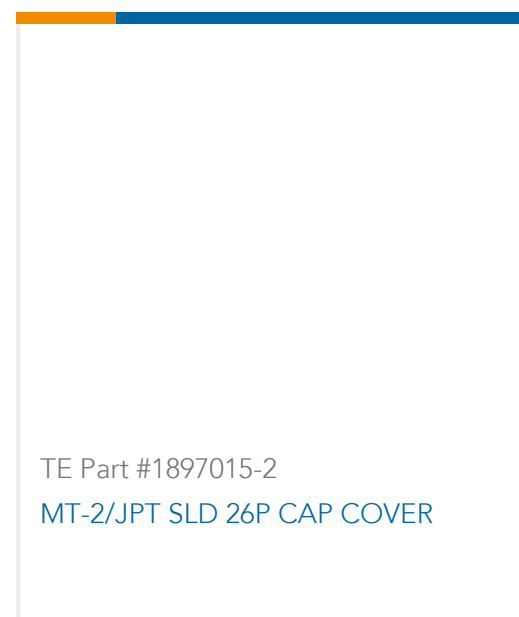
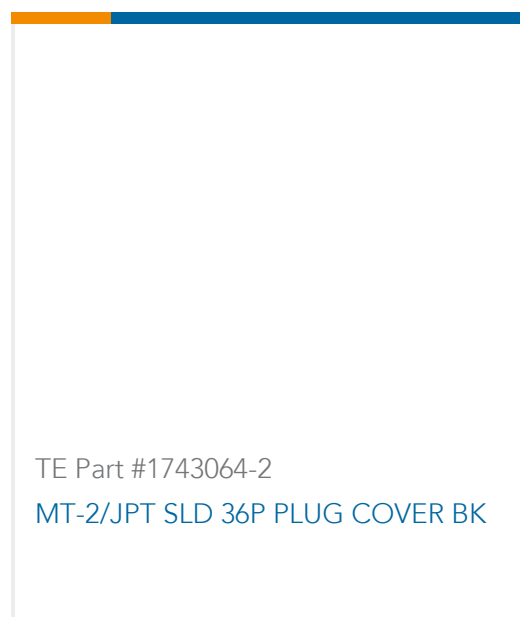
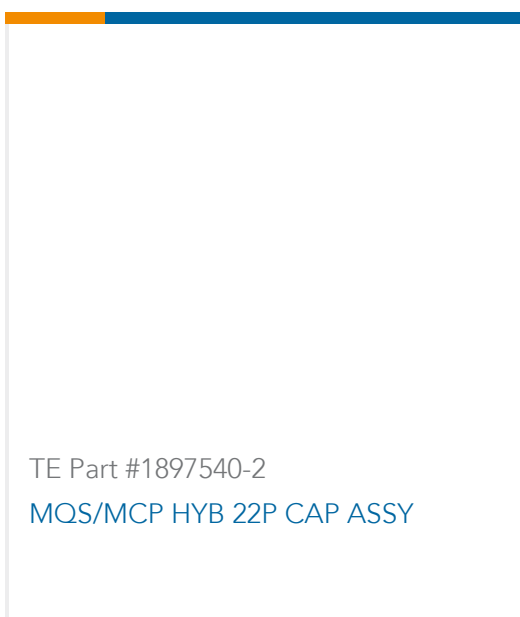
 <p>TE Part # 1418762-1 MCON 1.2 LL TAB STC SN</p>	 <p>TE Part # CAT-T4827-T273 TIMER, RECEPTACLE AND TAB</p>	 <p>TE Part # 2109452-2 050/110 48P PLUG ASSY CODE A</p>	 <p>TE Part # 2109456-2 050/110 48P CAP HSG CODE A</p>
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## Also in the Series | 1.5/2.8 Connector System



## Customers Also Bought





## Documents

### Product Drawings

[050/110 48P CAP ASSY CODE A](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2109455-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2109455-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2109455-2\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[050 110 48P](#)

English