

1801600-1 ✓ ACTIVE

AMP | MCON Interconnection System

TE Internal #: 1801600-1

Housing for Female Terminals, Wire-to-Wire, 10 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Signal, MCON Interconnection System

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Connectors > Automotive Connectors > Connector Housings > MCON, CONNECTOR HOUSING



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

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

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

Number of Positions: **10**

Centerline (Pitch): **4.5 mm [ .177 in ]**

[All MCON, CONNECTOR HOUSING \(283\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	10
Number of Rows	2

### Electrical Characteristics

Operating Voltage	16 VDC
Nominal Voltage Architecture	12 V

### Body Features

Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Black
Connector Code	A



### Contact Features

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

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	4.5 mm[.177 in]
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### Dimensions

Product Width	26.65 mm[1.049 in]
Product Length	32.6 mm[1.283 in]
Product Height	23.5 mm[.925 in]
Row-to-Row Spacing	4.5 mm[.177 in]

### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

Degree of Protection	IP67, IP69K
UL Flammability Rating	UL 94HB

### Packaging Features

Packaging Quantity	600
Packaging Method	Box



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 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



TE Part # 963143-1  
MQS BLINDSTOPFEN



TE Part # CAT-M4595-T273  
MCON, RECEPTACLE AND TAB



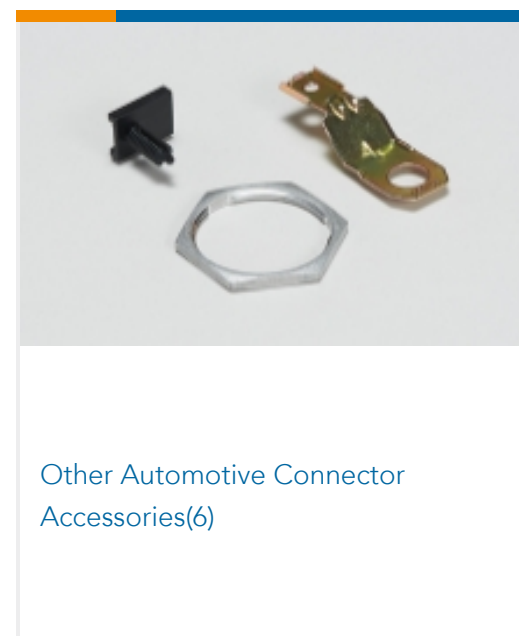
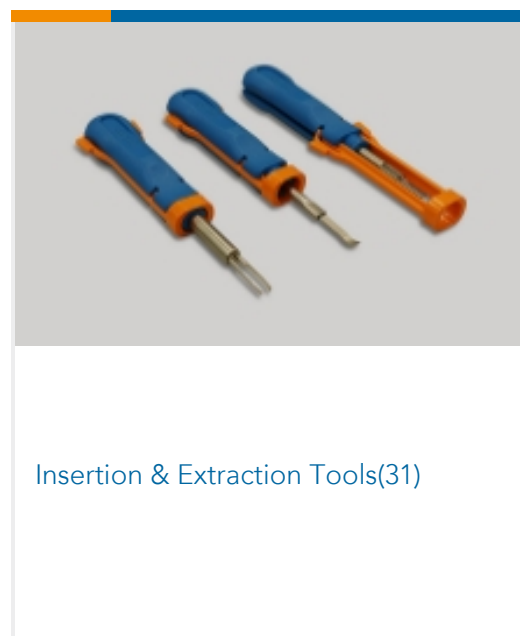
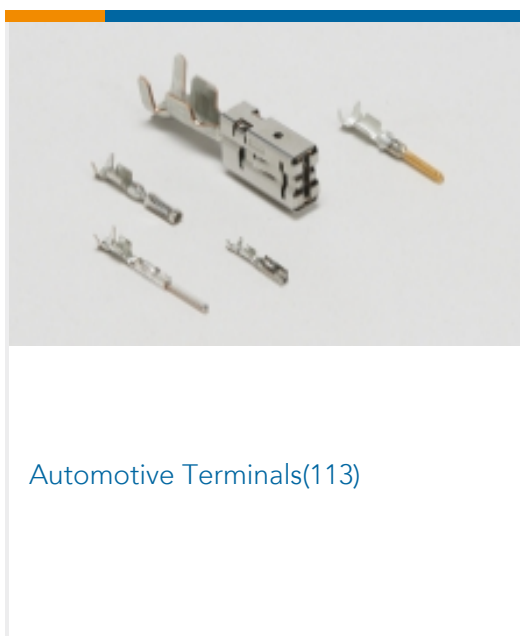
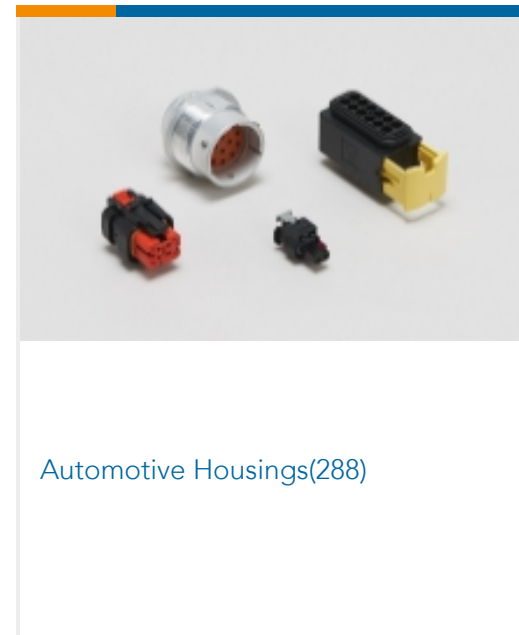
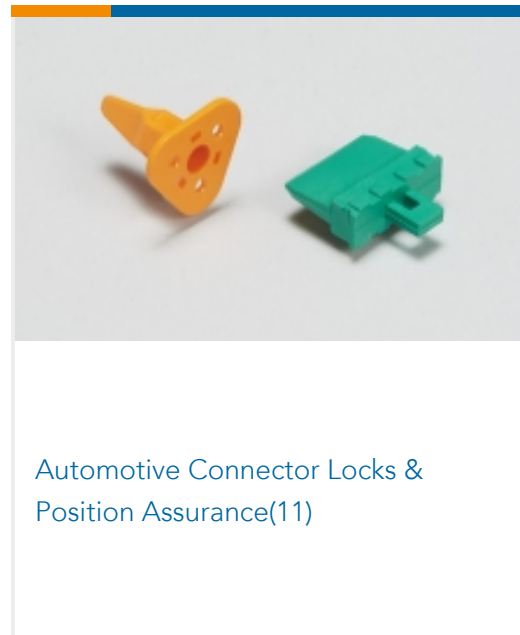
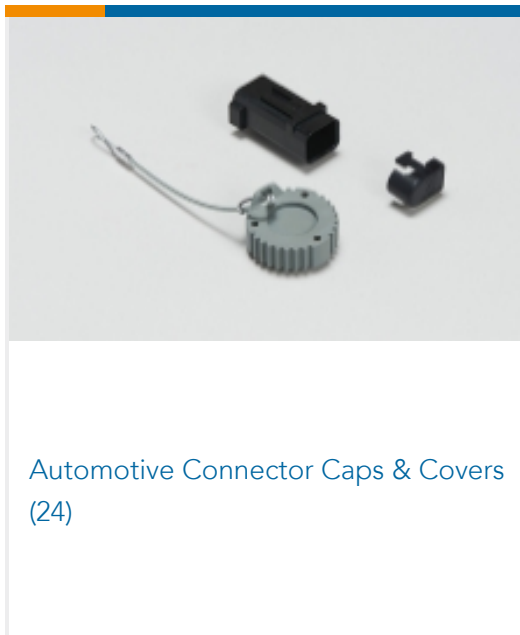
TE Part # CAT-M4595-CH8172  
MCON, CONNECTOR HOUSING



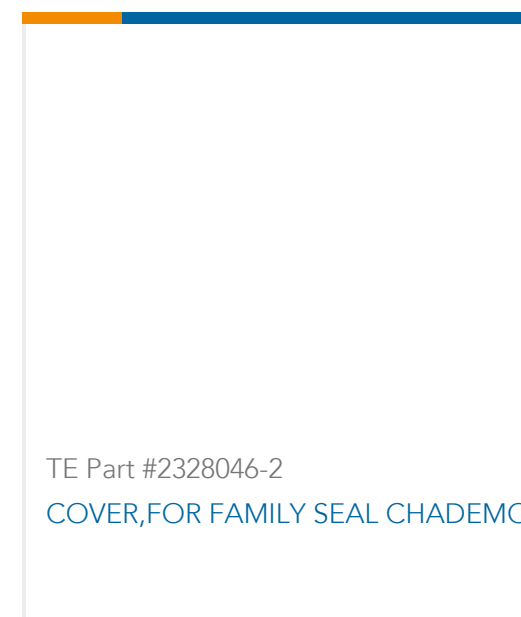
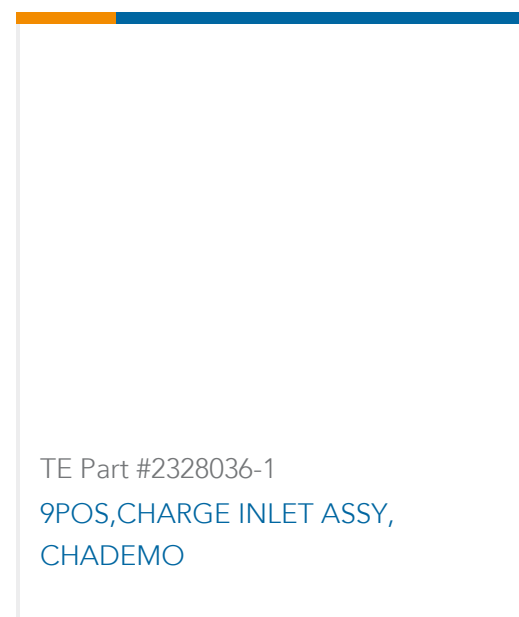
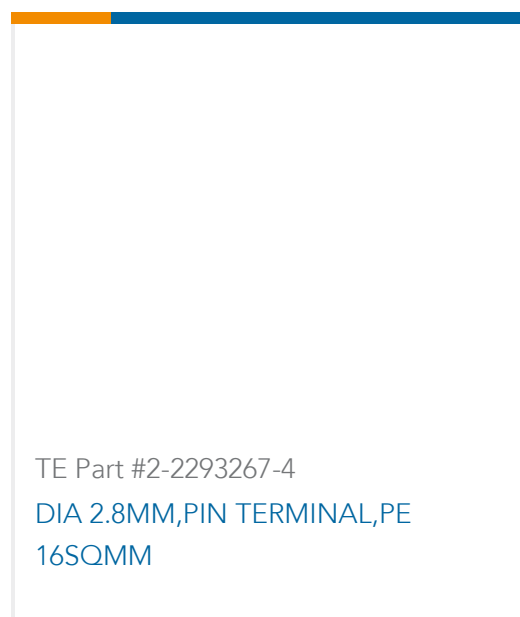
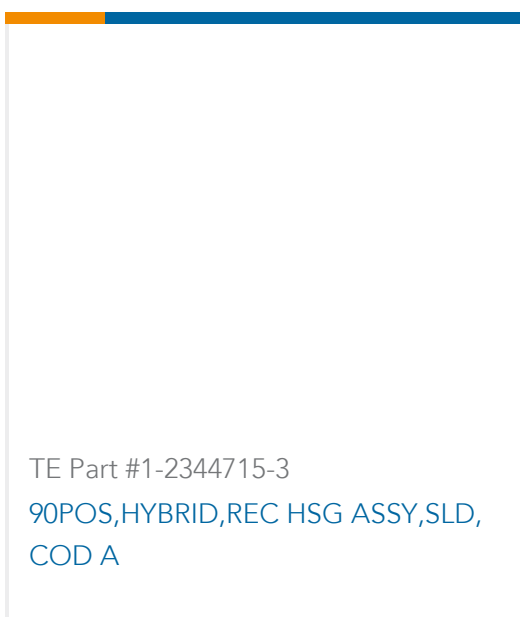
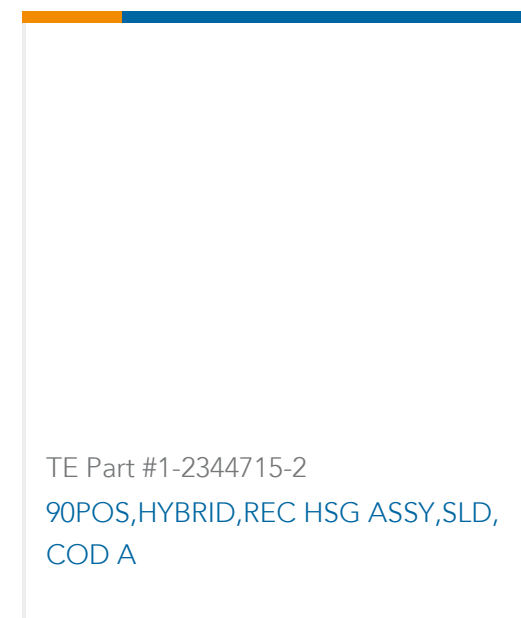
TE Part # 8-1579018-4  
EXTRACTION TOOL



## Also in the Series | MCON Interconnection System



## Customers Also Bought





## Documents

### Product Drawings

[RECEPTACLE HOUSING, MCON, 10 W, SEALED](#)

English

[RECEPTACLE HOUSING, MCON, 10 W, SEALED](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1801600-1\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1801600-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1801600-1\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[MCON Interconnection System](#)

English

### Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English

### Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English