



AMP | 1.5/2.8 Connector System, Sensor Flat Contact System

TE Internal #: 1703035-1

Automotive Terminals, Receptacle, Mating Tab Width .11 in [2.8 mm], Tab Thickness .031 in [.8 mm], 17 – 13 AWG Wire Size, Sensor Flat Contact System

[View on TE.com >](#)

Terminals & Splices > Automotive Terminals > AMP MCP, SFC, RECEPTACLE



Terminal Type: **Receptacle**

Mating Tab Width: **2.8 mm [ .11 in ]**

Mating Tab Thickness: **.8 mm [ .031 in ]**

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

Wire Size: **17 – 13 AWG**

[All AMP MCP, SFC, RECEPTACLE \(23\)](#)

## Features

### Product Type Features

Receptacle Style	180°
Sealable	Yes
Primary Locking Feature	Locking Lance

### Body Features

Terminal Seal Type	Single Wire Seal (SWS)
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### Contact Features

Contact Size	2.8mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	20 A
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]



Mating Tab Thickness	.8 mm[.031 in]
Interface Plating	Tin (Sn)
Contact Termination Area Plating Material	Tin (Sn)

### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

### Dimensions

Wire Size	1 – 2.5 mm <sup>2</sup>
Wire Size Search	13 AWG, 14 AWG, 15 AWG, 16 AWG, 17 AWG
Wire Insulation Diameter	1.9 – 3 mm[.074 – .117 in]

### 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

Compatible With Wire Base Material	Copper
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### Industry Standards

Agency/Standard	LV 214
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### Packaging Features

Packaging Method	Reel
Packaging Quantity	4000

### Other

Terminal Transmits	0 – 24 A (Low Power)
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

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



TE Part # 4-1579007-3  
EXTRACTION TOOL KIT



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # CAT-M8793-CH8172  
MQS, CONNECTOR HOUSING



TE Part # 2151346-1  
OCEAN\_2.0\_APPLICATOR-S-100F1650



TE Part # 2-2151346-1  
OCEAN\_2.0\_APPLICATOR-S-100F1650



TE Part # 2-2151346-2  
OCEAN\_2.0\_APPLICATOR-S-100F1650



TE Part # 2151346-2  
OCEAN\_2.0\_APPLICATOR-S-100F1650



TE Part # 5-2151346-1  
OCEAN\_2.0\_APPLICATOR-S-100F1650




TE Part # 5-2151346-2  
OCEAN\_2.0\_APPLICATOR-S-100F165O



TE Part # 7-2151346-1  
OCEAN\_2.0\_APPLICATOR-S-100F165O



TE Part # 7-2151346-2  
OCEAN\_2.0\_APPLICATOR-S-100F165O



TE Part # 7-2151346-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-100F165O




TE Part # 7-2266052-7  
OC-100F165O-752-CRIMPTOOLINGKIT

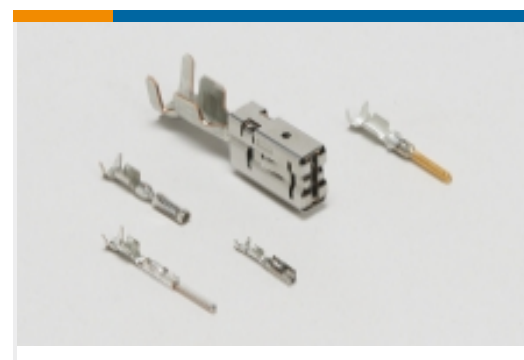
Also in the Series | **1.5/2.8 Connector System**




Automotive Connector Caps & Covers (6)




Automotive Housings(30)



Automotive Terminals(52)

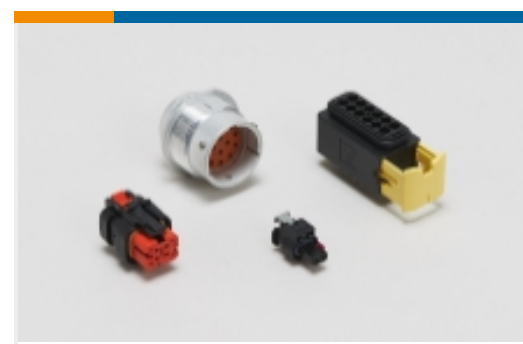


Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)

Also in the Series | **Sensor Flat Contact System**

Automotive Connector Caps & Covers  
(12)

Automotive Housings(56)



Automotive Terminals(23)



Insertion &amp; Extraction Tools(7)

## Documents

### Product Drawings

#### SENSOR CONTACT 2,8

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1703035-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1703035-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1703035-1\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

#### Application Specification

German

#### 2.8MM SENSOR FLAT TYPE RECEPTACLE CONTACT SYSTEM

English

#### Application Specification

English

#### Application Specification

English