



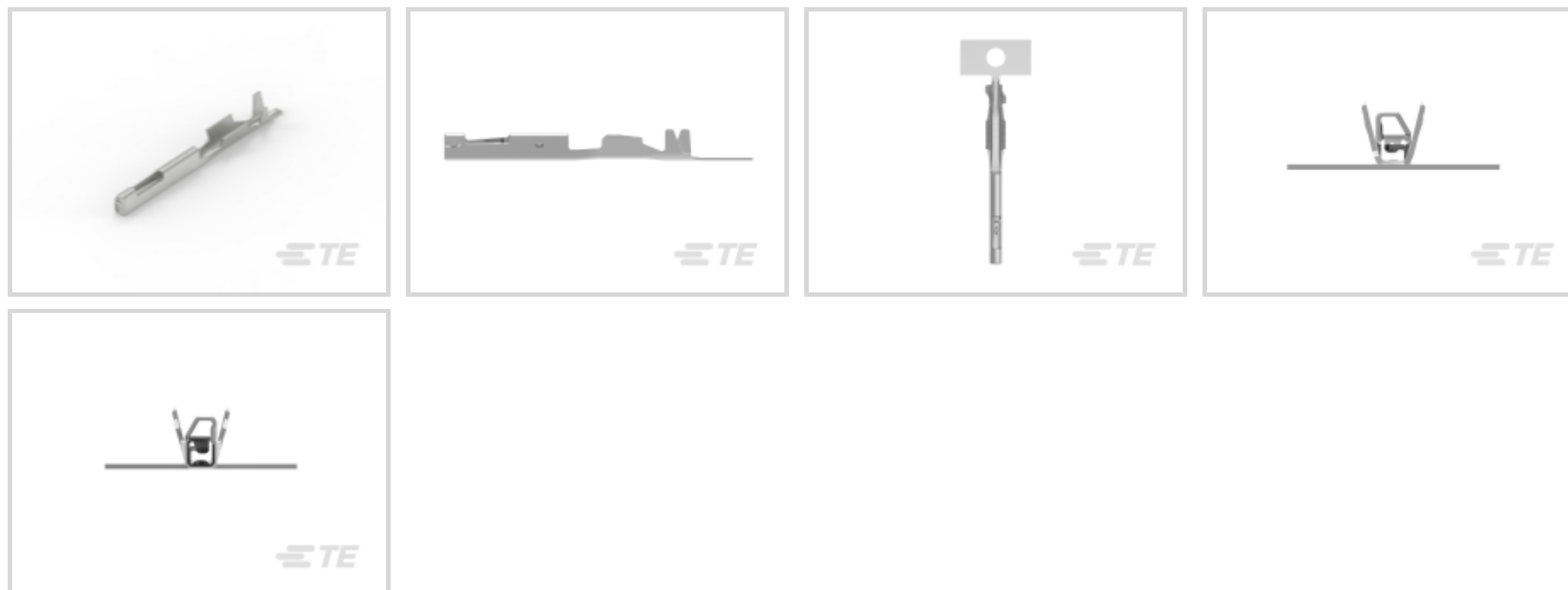
AMP | MCON Interconnection System

TE Internal #: 2177909-1

Automotive Terminals, Receptacle, Mating Tab Width .5 mm [.019 in], Tab Thickness .015 in [.4 mm], 24 – 22 AWG Wire Size, MCON Interconnection System

[View on TE.com >](#)

Terminals & Splices > Automotive Terminals > MCON, RECEPTACLE AND TAB



Terminal Type: **Receptacle**

Mating Tab Width: .5 mm [.019 in]

Mating Tab Thickness: .4 mm [.015 in]

Terminal Transmits: 0 – 24 A (Low Power)

Wire Size: 24 – 22 AWG

[All MCON, RECEPTACLE AND TAB \(103\)](#)

## Features

### Product Type Features

|                         |            |
|-------------------------|------------|
| Receptacle Style        | 180°       |
| Sealable                | No         |
| Primary Locking Feature | Clean Body |

### Contact Features

|   |                 |
|---|-----------------|
| Typical Current Rating                    | 3 A             |
| Crimp Type                                | F-Crimp         |
| Terminal Type                             | Receptacle      |
| Mating Tab Width                          | .5 mm [.019 in] |
| Mating Tab Thickness                      | .4 mm [.015 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                | .22 – .35 mm <sup>2</sup>     |
| Wire Size Search         | 22 AWG, 23 AWG, 24 AWG        |
| Wire Insulation Diameter | 1.1 – 1.3 mm [.039 – .051 in] |

### Usage Conditions

|                             |   |
|-----------------------------|---|
| Insulation Option           | Uninsulated   |
| Operating Temperature (Max) | 80 °C, 85 °C, 90 °C, 100 °C, 105 °C [176 °F] [185 °F][194 °F][212 °F][221 °F] |
| Operating Temperature Range | -40 – 105 °C [-40 – 221 °F]   |

### Operation/Application

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

### Industry Standards

|                 |       |
|-----------------|-------|
| Agency/Standard | LV214 |
|-----------------|-------|

### Packaging Features

|                    |       |
|--------------------|-------|
| Packaging Method   | Reel  |
| Packaging Quantity | 17000 |

### Other

|                            |                      |
|----------------------------|----------------------|
| Customer Preferred Contact | No                   |
| Terminal Transmits         | 0 – 24 A (Low 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: JAN 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<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>

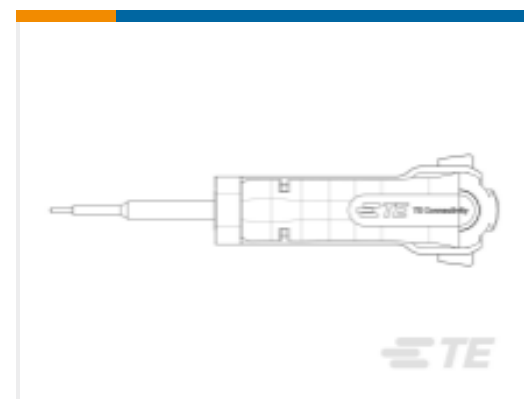
### Compatible Parts



TE Part # 1801823-3  
4POS, MCON 0.5 CB, REC HSG, BLUE, ASSY, SLD



TE Part # 2305570-1  
TERMINAL CUTTER, SIDE FEED



TE Part # 2-1579028-6  
EXTRACTION TOOL



TE Part # 2-1579028-8  
EXTRACTION TOOL



TE Part # 2-2151523-2  
OCEAN\_2.0\_APPLICATOR-S-042F042O



TE Part # 2-2151524-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



TE Part # 2-2266703-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



TE Part # 2-2836544-2  
OCEAN\_2.0\_APPLICATOR-S-042F042O



TE Part # 2-2836545-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



TE Part # 2151523-2  
OCEAN\_2.0\_APPLICATOR-S-042F042O



TE Part # 2151524-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



TE Part # 2266703-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O




TE Part # 2836544-2  
OCEAN\_2.0\_APPLICATOR-S-042F042O



TE Part # 2836545-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



TE Part # 5-2836545-2  
OCEAN\_2.0\_APPLICATOR-S-042F050O



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2151523-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-042F042O



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2151524-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-042F050O



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2266278-7  
OC-042F050O-CRIMP TOOLINGKIT




TE Part # 7-2836544-2  
OCEAN\_2.0\_APPLICATOR-S-042F042O



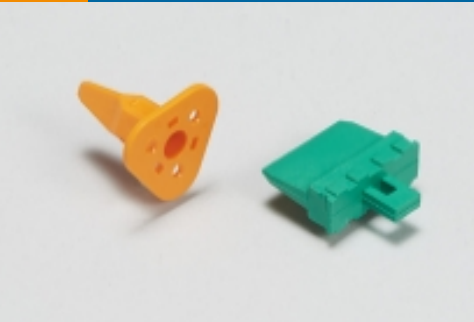
**KIT**  
REPRESENTATION ONLY

TE Part # 7-2836544-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-042F042O


## Also in the Series | MCON Interconnection System



Automotive Connector Caps & Covers (24)




Automotive Connector Locks & Position Assurance(11)




Automotive Housings(288)




Automotive Seals & Cavity Plugs(4)



Automotive Terminals(113)



Insertion & Extraction Tools(31)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)

## Customers Also Bought



TE Part #1379659-1  
TH/.025 CONNECTOR SYSTEM, HOUSING



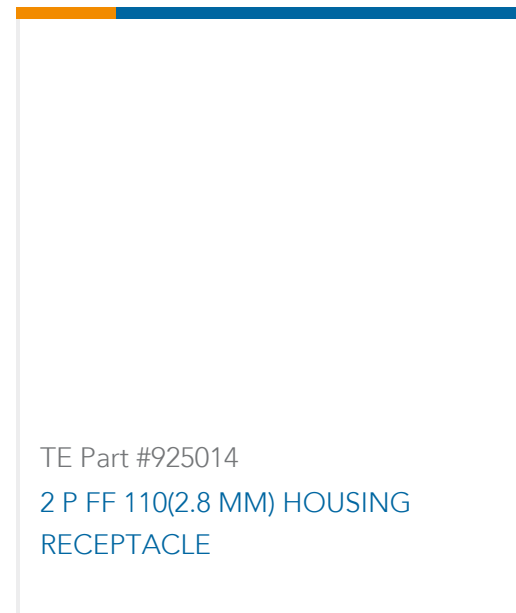
TE Part #1379914-1  
20POS MQS REC



TE Part #1802190-1  
TAB0.64X0.64,TERMINAL



TE Part #1379101-1  
COV+LEV MQS 18W 90DEG BLK



## Documents

### Product Drawings

#### MCON 0.50 TERMINAL

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177909-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177909-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2177909-1\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### MCON Interconnection System

English

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

### Agency Approvals

#### CSA Certificate

English