

173681-1 ✓ ACTIVE

AMP | Multilock Connector System

TE Internal #: 173681-1

Automotive Terminals, Receptacle, Mating Tab Width 1 mm [.039 in], Tab Thickness .64 mm [.025 in], 22 – 20 AWG Wire Size, Multilock Connector System

[View on TE.com >](#)



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



Terminal Type: **Receptacle**

Mating Tab Width: **1 mm [.039 in]**

Mating Tab Thickness: **.64 mm [.025 in]**

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

Wire Size: **22 – 20 AWG**

[All MULTILOCK, RECEPTACLE AND TAB \(136\)](#)

Features

Product Type Features

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

Contact Features

| | |
|--|------------------|
| Contact Size | 1mm |
| Contact Fabrication | Stamped & Formed |
| Wire Contact Termination Area Plating Material | Tin |
| Typical Current Rating | 5 A |
| Crimp Type | F-Crimp |
| Terminal Type | Receptacle |
| Mating Tab Width | 1 mm [.039 in] |
| Mating Tab Thickness | .64 mm [.025 in] |
| Interface Plating | Tin (Sn) |

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire |



Dimensions

| | |
|--------------------------------------|-----------------------------|
| Compatible Insulation Diameter Range | 1.8 – 2 mm [.071 – .079 in] |
| Wire Size | .3 – .5 mm ² |
| Wire Size Search | 20 AWG, 21 AWG, 22 AWG |

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 | -30 – 105 °C [-22 – 221 °F] |

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 5000 |
| Packaging Method | Package |

Other

| | |
|--------------------|----------------------|
| Terminal Transmits | 0 – 24 A (Low Power) |
|--------------------|----------------------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING



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



TE Part # CAT-AC853-T273
PRESS FIT PIN TERMINALS



TE Part # 755430-1
EXT TOOL FOR DOUBLE LOOK



TE Part # 917531-1
040 MLC T.F. PLUG HSG 14P NATU



TE Part # 58522-2
PRO-CRMPR II DIE



TE Part # 91577-1
CCII 040 SERIES REC TAB 22-20 ASSY



TE Part # 2066021-1
040 MLC PLUG HSG 20P NATURAL



TE Part # 2151184-1
OCEAN_2.0_APPLICATOR-S-062F070BX



TE Part # 2151184-2
OCEAN_2.0_APPLICATOR-S-062F070BX



TE Part # 5-2151184-1
OCEAN_2.0_APPLICATOR-S-062F070BX



TE Part # 5-2151184-2
OCEAN_2.0_APPLICATOR-S-062F070BX



TE Part # 7-2151184-1
OCEAN_2.0_APPLICATOR-S-062F070BX



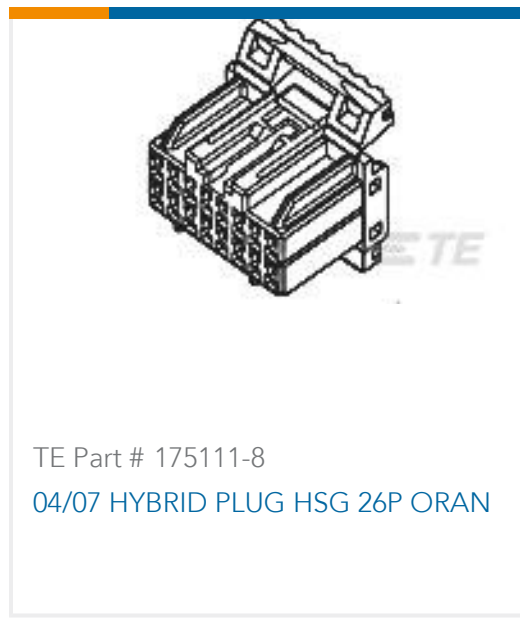
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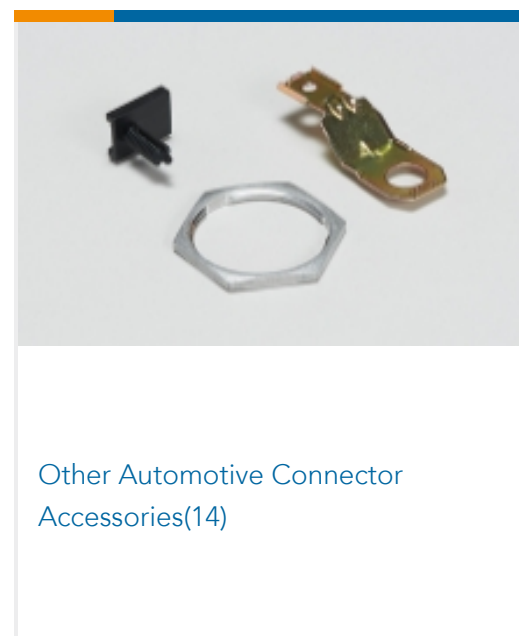
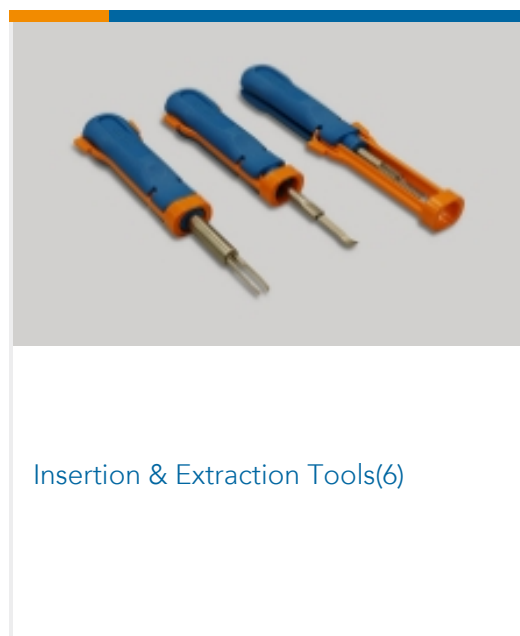
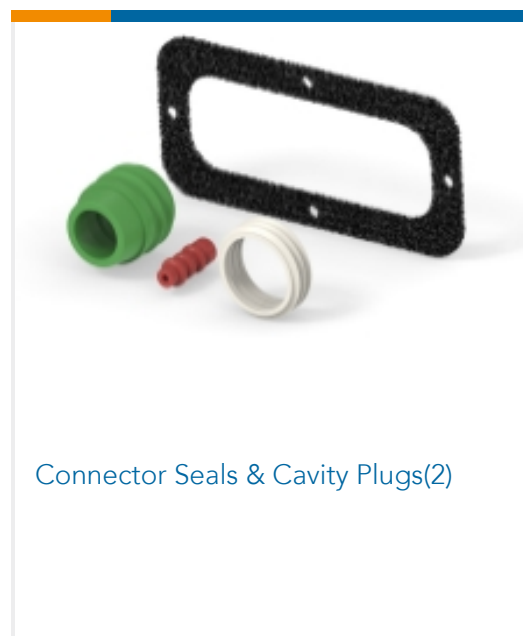
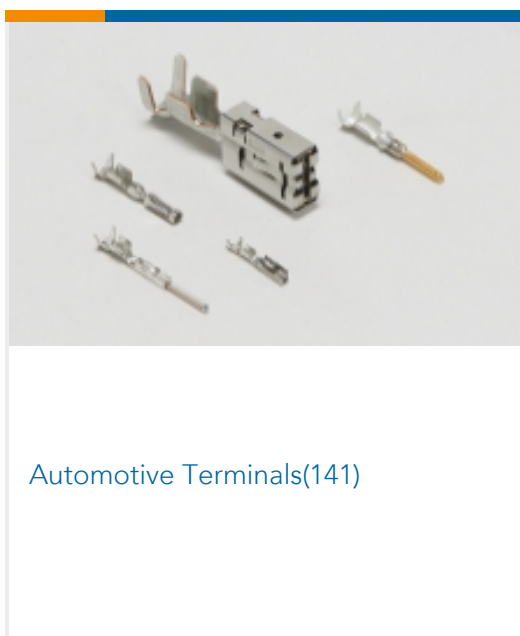
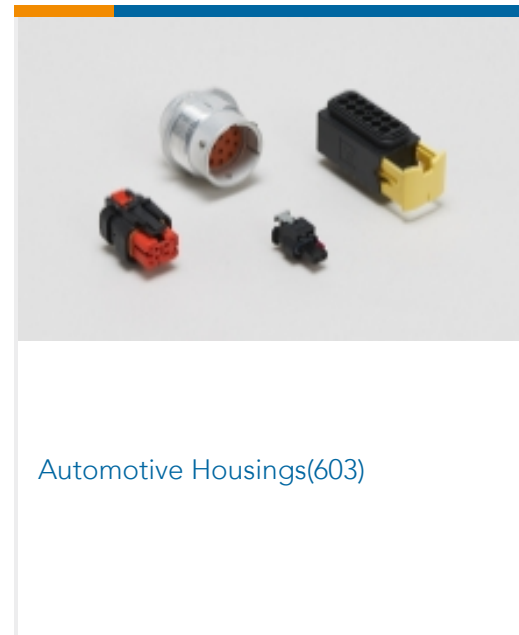
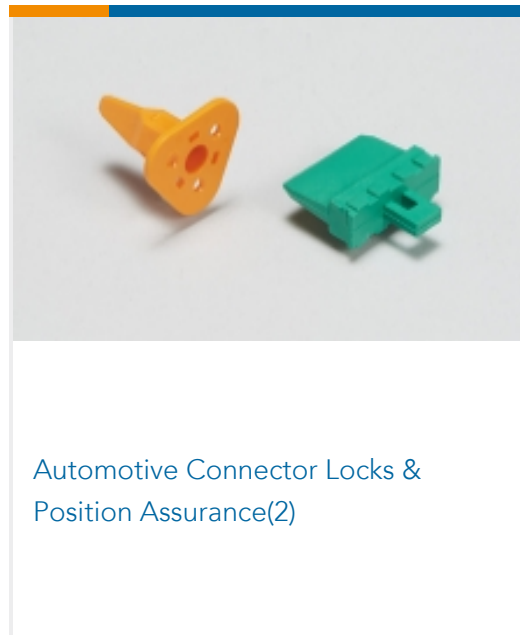
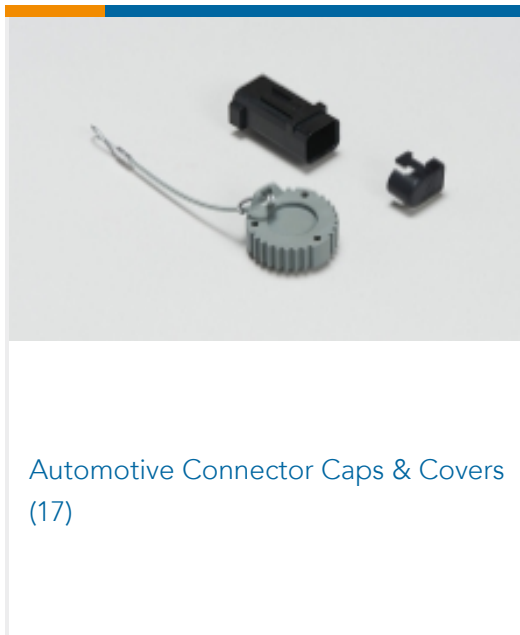
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OCEAN_2.0_SPARE_PART_KIT-062F070BX



TE Part # 7-2266366-7
OC-062F070BX-752-CRIMPTOOLINGKIT



Also in the Series | Multilock Connector System



Customers Also Bought





Documents

Product Drawings

040 MLC REC CONTACT

English

CAD Files

Customer View Model

[ENG_CVM_173681-1_E3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_173681-1_E3.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_173681-1_E3.2d_dxf.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

MULTILOCK Connector System

English

Product Specifications

Application Specification

English

Crimping .040 Series, Receptacle Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Customer Manual (non U.S.)

Japanese

.040 Series Multilock I/O Connector Mark II

Japanese

HYBRID I/O CONNECTOR



English

[Customer Manual \(non U.S.\)](#)

English

[HYBRID I/O CONNECTOR](#)

English

[Customer Manual \(non U.S.\)](#)

English

[Customer Manual \(non U.S.\)](#)

Japanese

[.040 Series, Multilock I/O Connector, Mark II](#)

Japanese