



Terminals & Splices > Automotive Terminals



Terminal Type: **Receptacle**
Wire Size: **10 – 9 AWG**
Mating Tab Width: **8 mm [.315 in]**
Interface Plating: **Tin (Sn)**

Features

Product Type Features

Primary Locking Feature	Clean Body
Sealable	Yes

Body Features

Terminal Seal Type	Single Wire Seal (SWS)
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Contact Features

Typical Current Rating	49 A
Crimp Type	F-Crimp
Contact Size	8mm
Contact Fabrication	Stamped & Formed
Terminal Type	Receptacle
Mating Tab Width	8 mm[.315 in]
Interface Plating	Tin (Sn)
Mating Tab Thickness	1 mm[.039 in]

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	3.7 – 4.3 mm
Wire Size	10 – 9 AWG



Wire Size Search	5 mm², 6 mm²
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Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	125 °C[212 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

Operation/Application

Compatible With Wire Base Material	Copper
Conforms to Automation Guideline	Yes, DIN 72036 Automation of Wiring Harness Production, Version June 2024, Yes, KOMAX Guideline for automatic component insertion for electrical connections, Version 5.0 (March 2018)

Packaging Features

Packaging Method	Reel
Packaging Quantity	1300

Other

Terminal Transmits	41 – 100 A (High Power)
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

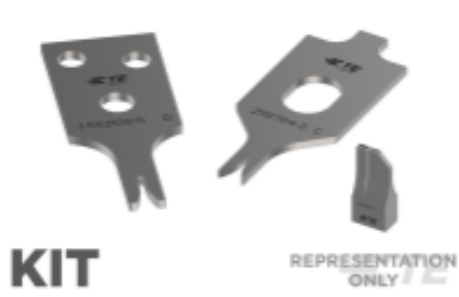
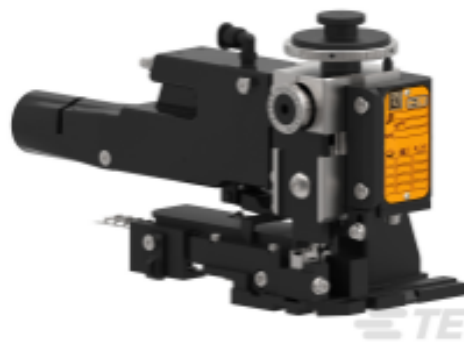
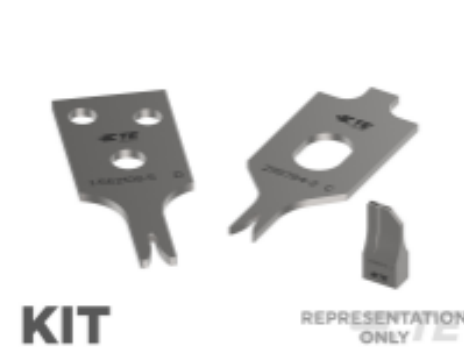
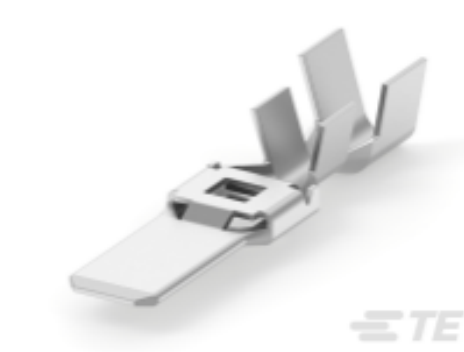
Product Compliance Disclaimer

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>

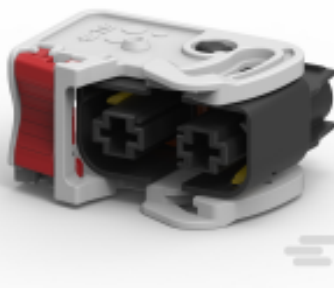
Compatible Parts

 KIT REPRESENTATION ONLY			
TE Part # 7-2837522-7 OCEAN_2.0_SPARE_PART_KIT-157F193OV	TE Part # 2151951-2 OCEAN_2.0_APPLICATOR-S-157F244OV-SSA	TE Part # 1801422-2 RECEPT HOUSING ASSY, 8MM, 2 W	TE Part # 1801422-1 RECEPT HOUSING ASSY, 8MM, 2 W
			
TE Part # 7-1579018-0 EXTRACTION TOOL	TE Part # CAT-NC1-MPTS4812 Medium Power Terminals Single Wire Seals 4.8mm-12mm	TE Part # 1544978-3 RECEPT HSG ASSY, 8MM NG1+, 2W, SEALED	TE Part # 2837522-2 OCEAN-2.0-APPLICATOR-S-157F193OVA-SSA
			
TE Part # CAT-N46-RA848 48V Ready 8mm Sealed Connectors	TE Part # 7-2151951-7 OCEAN_2.0_SPARE_PART_KIT-157F244OV	TE Part # 1544650-1 PC 2V 8NG1 NOIR JT	TE Part # 1544970-2 SEAL, NG9K
			
TE Part # 8-1579028-9 EXTRACTION TOOL	TE Part # 1544968-1 TAB, 8MM NG1 PLUS	TE Part # 1544978-2 RECEPT HSG ASSY, 8MM NG1+, 2W, SEALED	TE Part # 1801670-1 RECEPTACLE HSG ASSY, 8MM 2 INS SEALED





TE Part # 1801422-3
RECEPT HOUSING ASSY, 8MM, 2 W



TE Part # 1801655-1
RCPT HSG ASSY, 8MM, 2 INSULATED WAY, CPA

Also in the Series | NG1



Automotive Connector Caps & Covers (3)



Automotive Housings(45)



Automotive Terminals(24)



Connector Seals & Cavity Plugs(9)



Insertion & Extraction Tools(13)

Also in the Series | NG Power Terminals and Connectors



Automotive Connector Caps & Covers (3)



Automotive Housings(45)



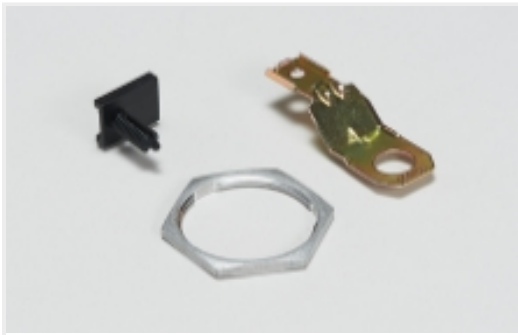
Automotive Terminals(24)



Connector Seals & Cavity Plugs(9)

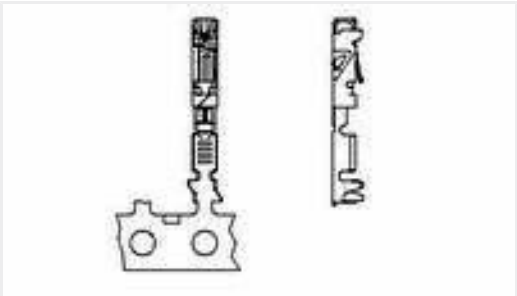


Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #1-1411552-1
ELOSTD M5300Y55



TE Part #1544970-1
SEAL, NG9K



TE Part #1801178-3
3W RECEPTACLE HP CONNECTOR
GREY



TE Part #1801432-1
RCPT CONT, 8MM NG1+, MAXIFUSE,
5-6 MM2



TE Part #1544967-1
TAB, 8MM NG1 PLUS



TE Part #1418603-2
3POS MQS REC SEALED COD B



TE Part #1544980-1
TAB HOUSING, 8MM NG1 PLUS, 2
WAY



TE Part #1544968-1
TAB, 8MM NG1 PLUS



TE Part #1801655-1
RCPT HSG ASSY, 8MM, 2 INSULATED
WAY, CPA



TE Part #1544650-3
PC 2V 8NG1 GRIS JT

Documents

Product Drawings
8MM NG1+ TERMINAL

English

CAD Files
Customer View Model
ENG_CVM_CVM_1544965-1_C.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1544965-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1544965-1_C.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

French

Instruction Sheets

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

French