



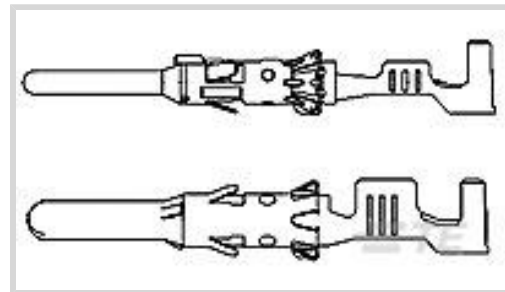
AMP | Round Connector System

TE Internal #: 1703013-2

Automotive Terminals, Pin, Pin Diameter 1.5 mm [.059 in], 20 – 17 AWG Wire Size, .5 – 1 mm² Wire Size, Sealable, Round Connector System

[View on TE.com >](#)

Terminals & Splices > Automotive Terminals > ROUND CONNECTOR SYSTEM, PIN AND SOCKET



Terminal Type: Pin

Mating Pin Diameter: 1.5 mm [.059 in]

Terminal Transmits: 0 – 24 A (Low Power)

Wire Size: .5 – 1 mm²

[All Round Connector System, Pin and Socket \(48\)](#)

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	1.5mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	20 A
Crimp Type	F-Crimp
Terminal Type	Pin
Mating Pin Diameter	1.5 mm [.059 in]
Interface Plating	Silver (Ag)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

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Compatible Insulation Diameter Range	1.2 – 2.1 mm [.047 – .082 in]
Wire Size	.5 – 1 mm ²
Wire Size Search	17 AWG, 18 AWG, 19 AWG, 20 AWG

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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Packaging Features

Packaging Quantity	3500
Packaging Method	Reel

Other

Terminal Transmits	0 – 24 A (Low 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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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 # 3-1579007-7
EXTRACTION TOOL



TE Part # 1718230-1
1,5MM PIN HSG 5-7 POS ASSY



TE Part # CAT-C4962-CH8172
Circular DIN Housings



TE Part # 58606-1
PROCRIMP 1.5 & 2.5MM PIN/SEAL



TE Part # 828904-1
SINGLE WIRE SEAL FOR J.P.T.CON




TE Part # 2151139-1
OCEAN-2.0-APPLICATOR-S-080F160OV-RSM



TE Part # 2151139-2
OCEAN-2.0-APPLICATOR-S-080F160OV-RSA



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



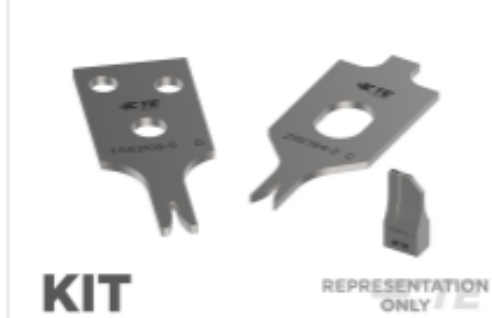
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OCEAN-2.0-APPLICATOR-S-080F160OV-RSM



TE Part # 5-2151139-2
OCEAN-2.0-APPLICATOR-S-080F160OV-RSA



TE Part # 58606-2
PC DIE 1.5 & 2.5 PIN W/S



TE Part # 7-2151139-7
OCEAN_2.0_SPARE_PART_KIT-080F160OV



TE Part # 7-2266055-7
OC-080F160O-CRIMPTOOLINGKIT

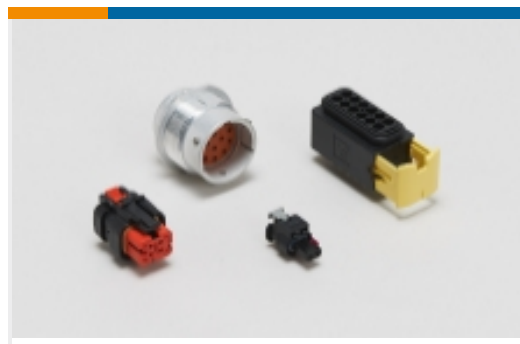


TE Part # 7-2151139-2
OCEAN-2.0-APPLICATOR-S-080F160OV

Also in the Series | Round Connector System



Automotive Connector Caps & Covers (3)



Automotive Housings(11)



Automotive Terminals(48)



Connector Seals & Cavity Plugs(5)

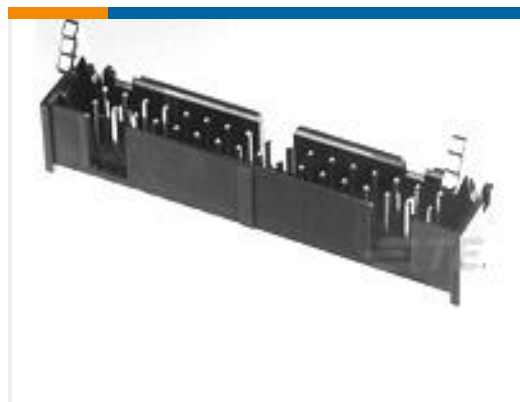


Insertion & Extraction Tools(8)

Customers Also Bought



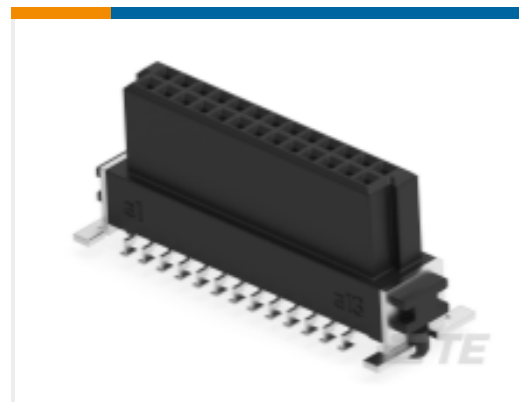
TE Part #3-106505-2
D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm



TE Part #2-1761606-1
IDC LOW PRO HDR 6P VERT LG LAT



TE Part #5-1393224-2
RY212005



TE Part #154718-E
SMCB 26 F AB VV 7-03 CL * H007 137 E002



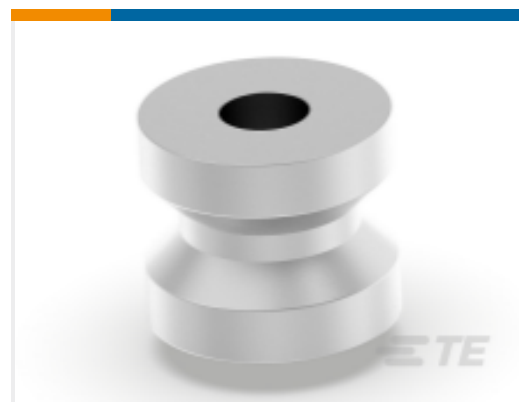
TE Part #8374950001
RPS-1K-22-18/2.0-S1-9



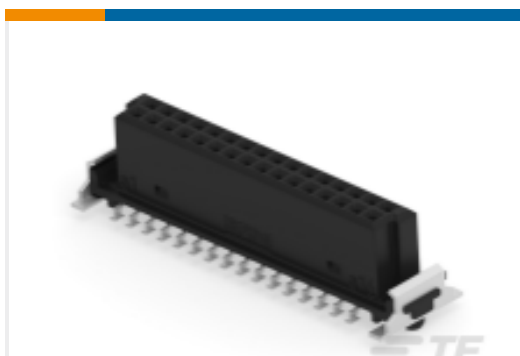
TE Part #073937-000
D-SCE-2.5K-6.4-50-S1-4



TE Part #926475-6
MOD IV HSG SR 6 POS



TE Part #225868-E
POWELM BUCHSE ZENTR M3 3,5 ** SMD 6 SN



TE Part #354057-E
SMCB 32 F AB VV 7-13 CL * H007 137 E002

Documents



Product Drawings

DIA 1.5MM CONTACT PIN

German

DIA 1.5MM CONTACT PIN

English

CAD Files

Customer View Model

[ENG_CVM_1703013-2_A3.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1703013-2_A3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1703013-2_A3.3d_igs.zip](#)

English

3D PDF

English

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

Product Specifications

Application Specification

English

Application Specification

English