

1703012-1 ✓ ACTIVE

AMP | Round Connector System

TE Internal #: 1703012-1

Automotive Terminals, Pin, Pin Diameter .059 in [1.5 mm], 24 – 21 AWG Wire Size, .2 – .4 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: .2 – .4 mm²

[All Round Connector System, Pin and Socket \(74\)](#)

Features

Product Type Features

Receptacle Style	180°
Sealable	Yes
Primary Locking Feature	Locking Lance

Body Features

Terminal Seal Type	Single Wire Seal (SWS)
--------------------	------------------------

Contact Features

Contact Size	1.5mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	8 A
Crimp Type	F-Crimp
Terminal Type	Pin
Mating Pin Diameter	1.5 mm[.059 in]
Interface Plating	Tin (Sn)



Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Wire Size	.2 – .4 mm ²
Wire Size Search	21 AWG, 22 AWG, 23 AWG, 24 AWG
Wire Insulation Diameter	1.2 – 2.1 mm [.047 – .082 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
------------------------------------	--------

Packaging Features

Packaging Method	Reel
Packaging Quantity	4000

Other

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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 2305570-1
TERMINAL CUTTER, SIDE FEED



TE Part # CAT-C4962-CH8172
CIRCULAR DIN HOUSINGS



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



TE Part # 2-2151732-1
OCEAN_2.0_APPLICATOR-S-062F155O



TE Part # 2-2151732-2
OCEAN_2.0_APPLICATOR-S-062F155OA



TE Part # 2-4151006-1
APPLICATOR TO MAKE LOOSE PIECE TERMINALS



TE Part # 2-4151006-2
APPLICATOR TO MAKE LOOSE PIECE TERMINALS



TE Part # 2151732-1
OCEAN_2.0_APPLICATOR-S-062F155O



TE Part # 2151732-2
OCEAN_2.0_APPLICATOR-S-062F155OA



TE Part # 4151006-1
APPLICATOR TO MAKE LOOSE PIECE TERMINALS



TE Part # 4151006-2
APPLICATOR TO MAKE LOOSE PIECE TERMINALS




TE Part # 7-2151732-1
OCEAN_2.0_APPLICATOR-S-062F155O



TE Part # 7-2151732-2
OCEAN_2.0_APPLICATOR-S-062F155OA




TE Part # 7-2151732-7
OCEAN_2.0_SPARE_PART_KIT-062F155O



TE Part # 7-4151006-1
APPLICATOR TO MAKE LOOSE PIECE TERMINALS



TE Part # 7-4151006-2
APPLICATOR TO MAKE LOOSE PIECE TERMINALS




TE Part # 7-4151006-7
TOOLING KIT TO MAKE LOOSE PIECE TERMINAL

Also in the Series | Round Connector System




Automotive Connector Caps & Covers (5)




Automotive Housings(16)



Automotive Seals & Cavity Plugs(3)



Automotive Terminals(74)



Insertion & Extraction Tools(8)

Customers Also Bought



TE Part #828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part #969191-3
TIMER, CONNECTOR HOUSING



TE Part #1-967627-1
FLA-STE-GEH2,8 12P



TE Part #965687-1
FIXING RING



TE Part #927771-1
JPT REC 2.8 Contact SRC Sn



TE Part #1241603-1
MQS1,5 Sn rec LL EDS 0,35-0,5



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



TE Part #638187-1
RECEPT. CONTACT 18-20 AWG TIN



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

Documents

Product Drawings

DIA 1.5MM CONTACT PIN,ASSY

German

CAD Files

Customer View Model

[ENG_CVM_1703012-1_A3.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1703012-1_A3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1703012-1_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

Product Environmental Compliance

Product Compliance

English

1703012-1

Automotive Terminals, Pin, Pin Diameter .059 in [1.5 mm], 24 – 21 AWG Wire Size, .2 – .4 mm² Wire Size, Sealable, Round Connector System



Product Compliance

English