

2-963217-1 ✓ ACTIVE

AMP | Junior Power Timer

TE Internal #: 2-963217-1

Housing for Female Terminals, Wire-to-Board, 16 Position, .197 in [5 mm] Centerline, Sealable, Gray, Wire & Cable, Power, Junior Power Timer

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > Timer Connector Housing



Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **2.8 mm [.11 in]**

Connector System: **Wire-to-Board**

Number of Positions: **16**

Centerline (Pitch): **5 mm [.197 in]**

[All Timer Connector Housing \(589\)](#)

Features

Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
------------------------------	------

Body Features

Primary Product Color	Gray
Connector & Keying Code	Neutral

Contact Features

--	--



Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	30 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Polarization Slot
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	5 mm[.197 in]

Dimensions

Connector Height	37.75 mm[1.486 in]
Product Width	24.3 mm[.957 in]
Product Length	52.65 mm[2.073 in]
Row-to-Row Spacing	6 mm[.236 in]

Usage Conditions

Operating Temperature (Max)	80 °C[176 °F]
Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]

Operation/Application

Circuit Application	Power
---------------------	-------

Packaging Features

Packaging Quantity	500
Packaging Method	Carton

Other

Serviceable	No
Connector Position Assurance Capable	No

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

 <p>TE Part # 282081-1 RUBBER PLUG</p>	 <p>TE Part # 828905-1 SINGLE-WIRE-SEAL(5MM HOLE)</p>	 <p>TE Part # CAT-LMPH9507 Low & Medium Power Header</p>	 <p>TE Part # CAT-T4827-T273 TIMER, RECEPTACLE AND TAB</p>
 <p>TE Part # 1452317-1 COVER F.16P JPT HSG</p>	 <p>TE Part # 828904-1 SINGLE WIRE SEAL FOR J.P.T.CON</p>	 <p>TE Part # 282081-2 RUBBER PLUG</p>	 <p>TE Part # 3-963215-1 16P STIFTWANNE 3MM</p>

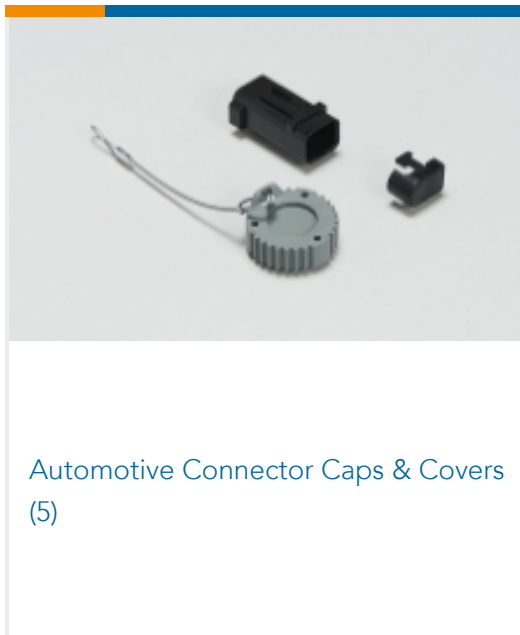


TE Part # 1-929937-1
JPT REC 2.8 Contact SWS Au

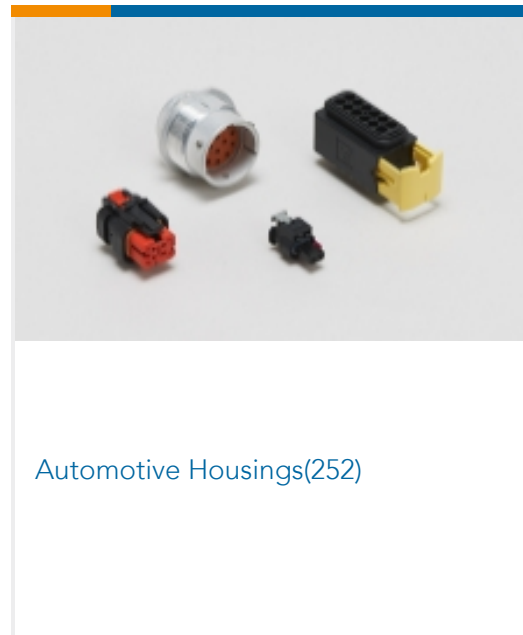


TE Part # 5-963215-1
16P STIFTWANNE 3MM

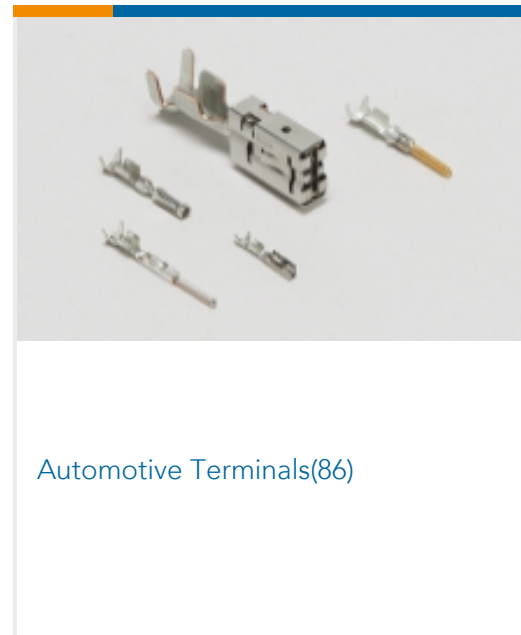
Also in the Series | Junior Power Timer



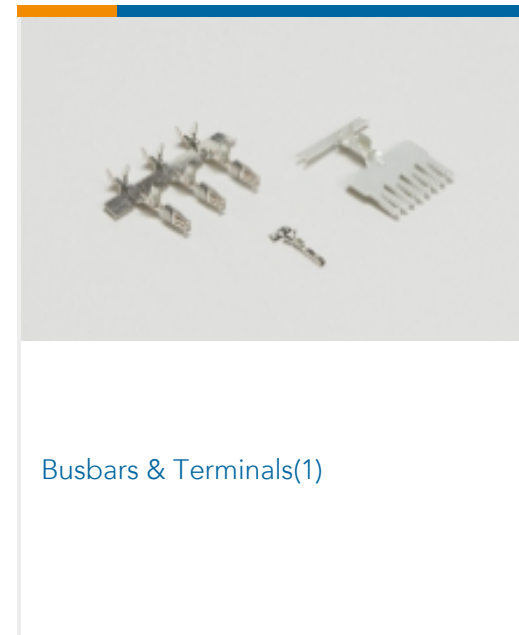
Automotive Connector Caps & Covers (5)



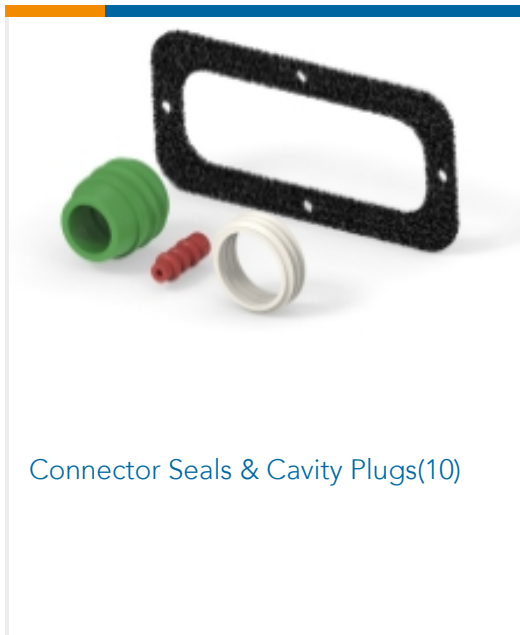
Automotive Housings(252)



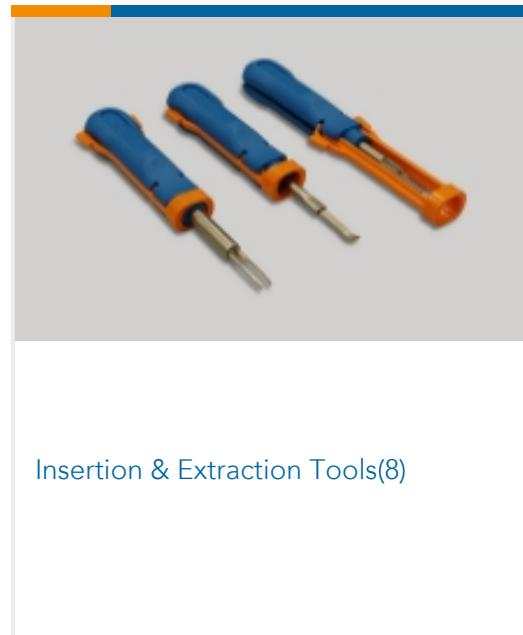
Automotive Terminals(86)



Busbars & Terminals(1)



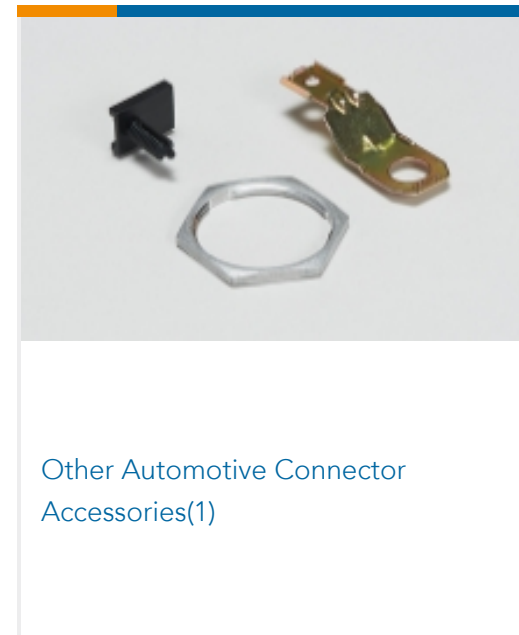
Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(8)



Module Components(6)

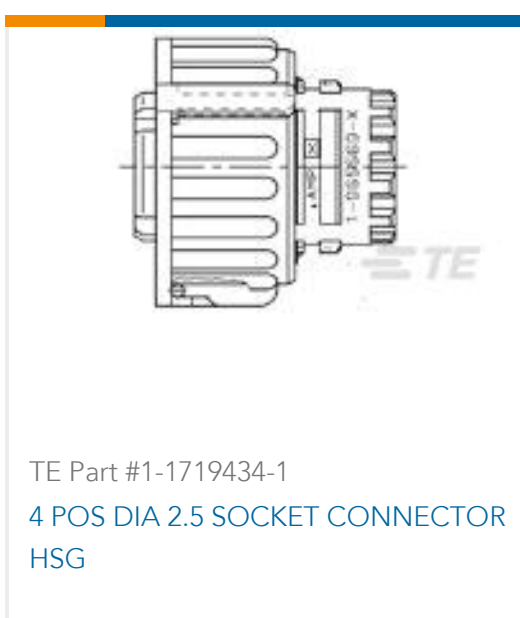


Other Automotive Connector Accessories(1)

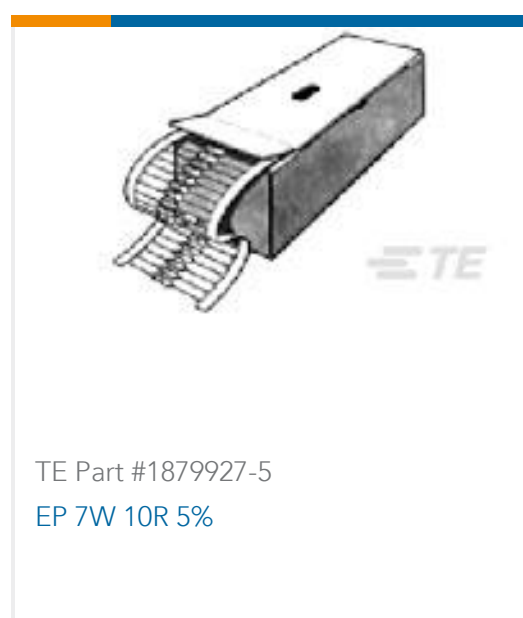


PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #1-1719434-1
4 POS DIA 2.5 SOCKET CONNECTOR HSG



TE Part #1879927-5
EP 7W 10R 5%



TE Part #174467-1
070 MULTILOCK 10P ASSY SGL ROW



TE Part #1-963217-1
Timer Connector Housing



Documents

Product Drawings

16 J-P-T GEH KOMPL

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_2-963217-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_2-963217-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-963217-1_D.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Timer Interconnection System

English

Product Specifications

Application Specification

English