

1-963449-2  ACTIVE

AMP | Junior Power Timer

TE Internal #: 1-963449-2

12 V, 29 Position, Automotive Housing for Female Terminals, Wire-to-Board, 5 mm [.197 in] Centerline, Black, Wire & Cable, Power, Junior Power Timer

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > Timer Connector Housing



Nominal Voltage Architecture: 12 V

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 29

Sealable: No

Operating Temperature Range: -40 – 130 °C [-40 – 266 °F]

[All Timer Connector Housing \(436\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	29
Number of Rows	3

Electrical Characteristics

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

Body Features

Primary Product Color	Black
Connector & Keying Code	A1

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

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

Housing Features

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

Dimensions

Product Width	33 mm [1.29 in]
Row-to-Row Spacing	5 mm [.197 in]
Product Length	82.5 mm [3.25 in]
Connector Height	32 mm [1.26 in]

Usage Conditions

Operating Temperature Range	-40 – 130 °C [-40 – 266 °F]
Operating Temperature (Max)	130 °C [266 °F]

Operation/Application

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

Packaging Features

Packaging Method	Box
Packaging Quantity	252

Other

Serviceable	No
-------------	----

Connector Position Assurance Capable No

Product Compliance

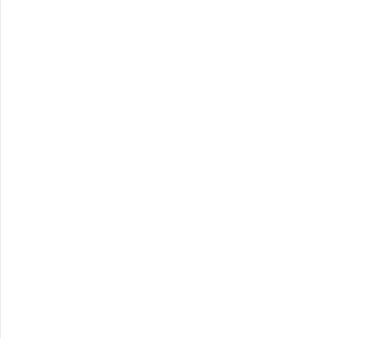
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

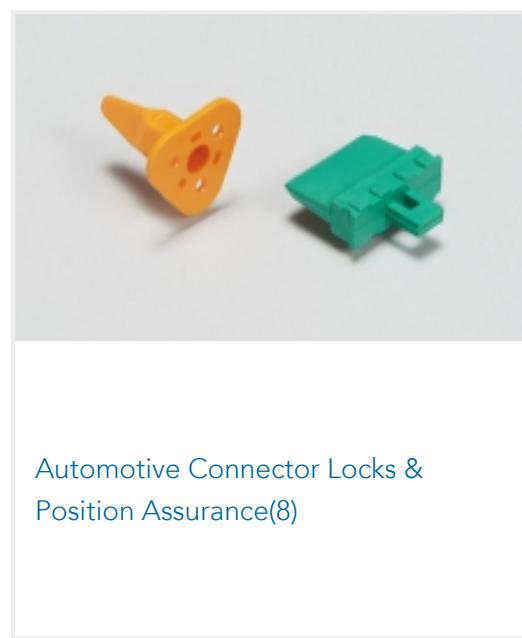
Product Compliance Disclaimer

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>

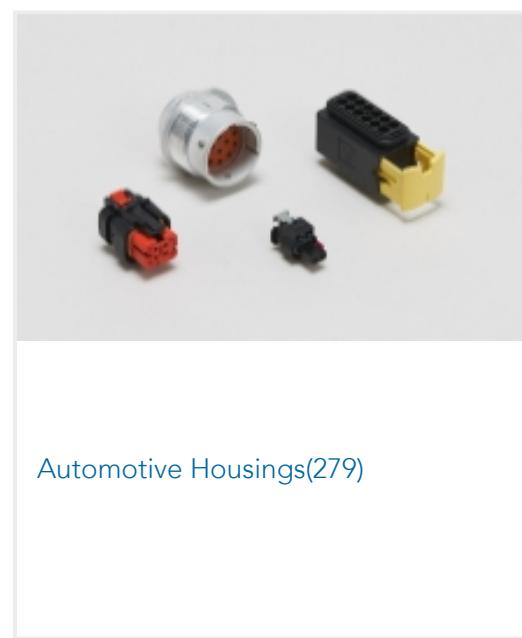
Compatible Parts

 TE Part # 1-963448-2 2,8MESSERLEISTE 29P	 TE Part # 962370-1 SCHIEBER F42/29P GH
--	---

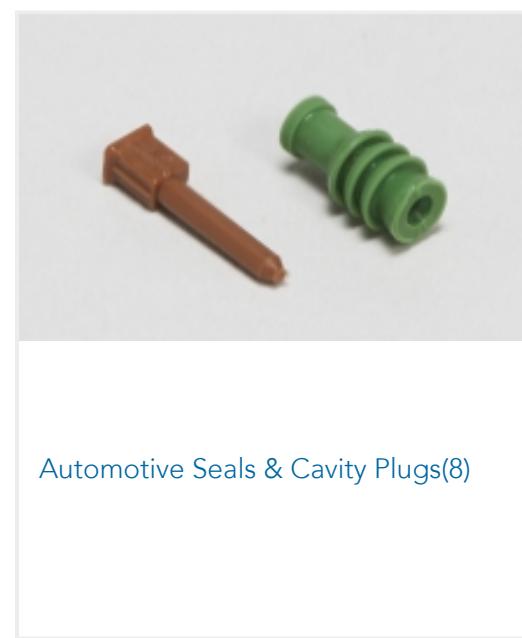
Also in the Series | Junior Power Timer



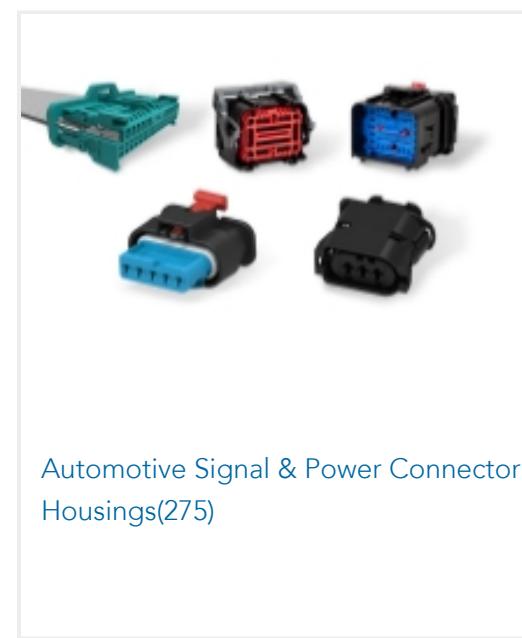
Automotive Connector Locks & Position Assurance(8)



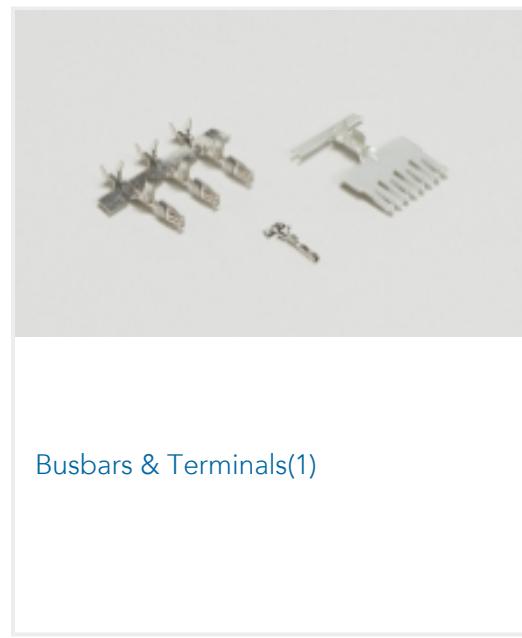
Automotive Housings(279)



Automotive Seals & Cavity Plugs(8)



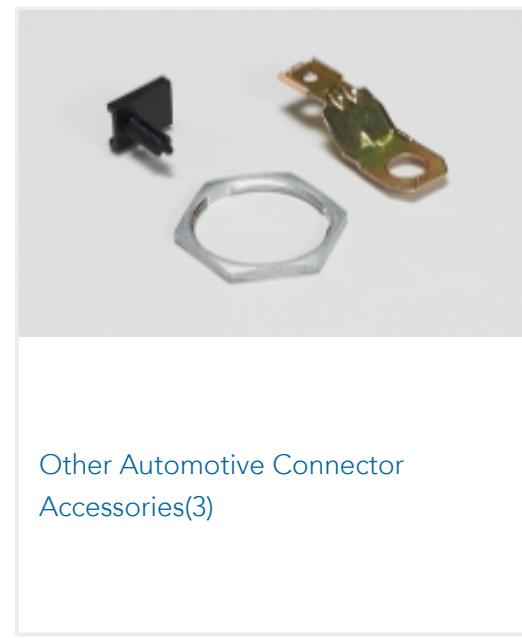
Automotive Signal & Power Connector Housings(275)



Busbars & Terminals(1)



Module Components(1)



Other Automotive Connector Accessories(3)

Customers Also Bought



TE Part #YHDP24-24-19PEL024
REC, 19P, BLK, E, WTHD, 12/16, P



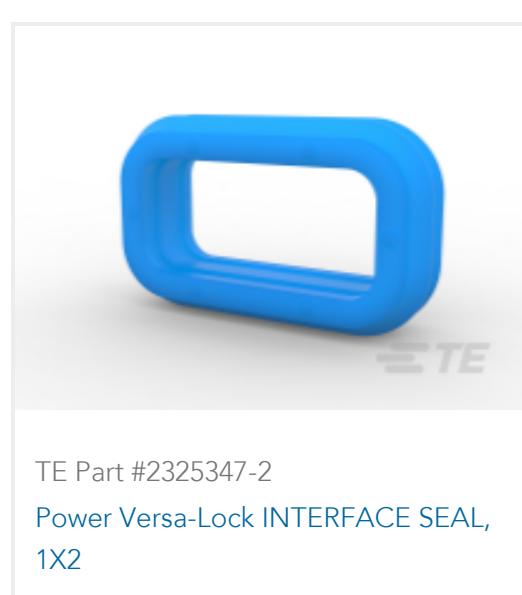
TE Part #2-36195-3
SOLIS SPD 22-16COMM 22-18MIL 6



TE Part #2-179694-6
CT MT REC ASSY 6P GRAY



TE Part #962371-1
ABDECKKAPPE F42/29P



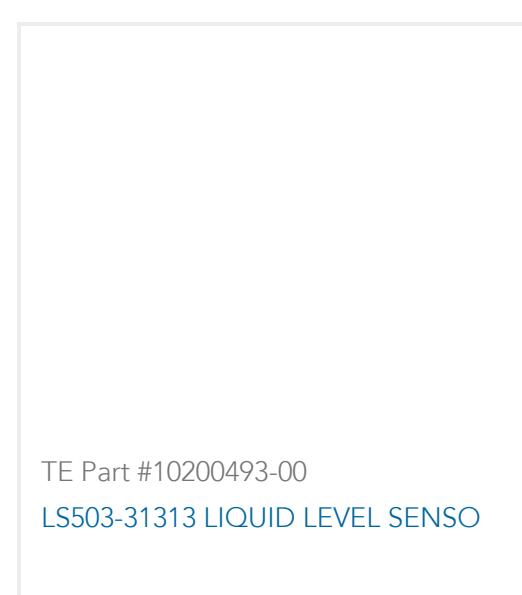
TE Part #2325347-2
Power Versa-Lock INTERFACE SEAL, 1X2



TE Part #4-2378159-2
Power Versa-Lock PLUG, 1X2 KEY D



TE Part #2384723-1
34POS,PIN DIA 1.0,HDR ASSY,90DEG



TE Part #10200493-00
LS503-31313 LIQUID LEVEL SENSO



TE Part #5-1414968-1
V23132B2002B200-EV-USBX



TE Part #2344420-1
V23130K2421A431 W. MOUNTING
BRACKET 24V

Documents

Product Drawings**JPT GEH KOMPL 29P**

English

CAD Files**3D PDF**

3D

Customer View Model

[ENG_CVM_CVM_1-963449-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963449-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963449-2_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages****889759_3_Timer_Interconnection_System**

English