



Connectors > Automotive Connectors > Automotive Housings > Timer Connector Housing



Number of Positions: 29

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 2.8 mm [.11 in]

Connector System: Wire-to-Board

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

[All Timer Connector Housing \(449\)](#)

Features

Dimensions

Product Width	32 mm[1.26 in]
Row-to-Row Spacing	5 mm[.197 in]
Product Length	82.5 mm[3.248 in]
Connector Height	31.5 mm[1.24 in]

Packaging Features

Packaging Method	Box
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Mechanical Attachment

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

Other

Serviceable	No
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant



Housing Features

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

Contact Features

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

Product Type Features

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

Configuration Features

Number of Positions	29
Number of Rows	3

Electrical Characteristics

Nominal Voltage Architecture	24 V, 12 V
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Body Features

Primary Product Color	Black
Connector & Keying Code	A1

Usage Conditions

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

Operation/Application

Circuit Application	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: JUNE 2024 (241) 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



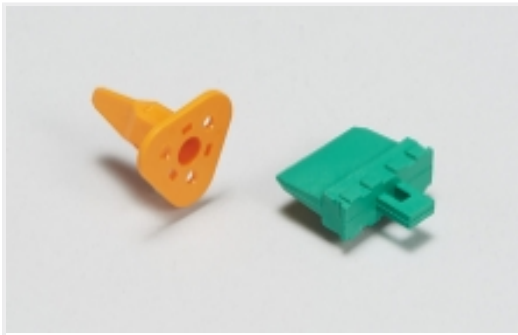
TE Part # 1-963448-2
2,8MESSERLEISTE 29P

TE Part # 962370-1
SCHIEBER F42/29P GH

Also in the Series | Junior Power Timer



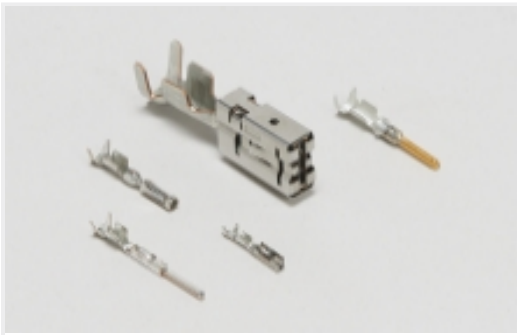
Automotive Connector Caps & Covers
(9)



Automotive Connector Locks &
Position Assurance(8)



Automotive Housings(285)



Automotive Terminals(153)



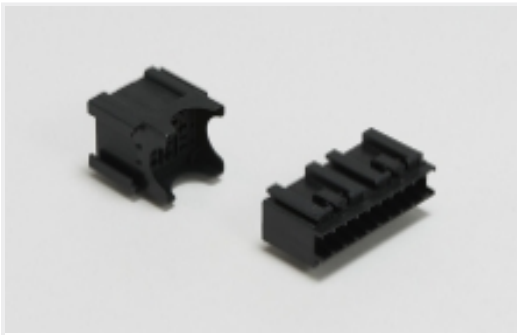
Busbars & Terminals(1)



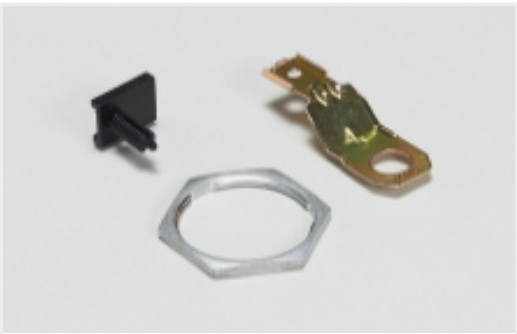
Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(8)



Module Components(1)



Other Automotive Connector
Accessories(2)



Special Purpose Terminals(2)

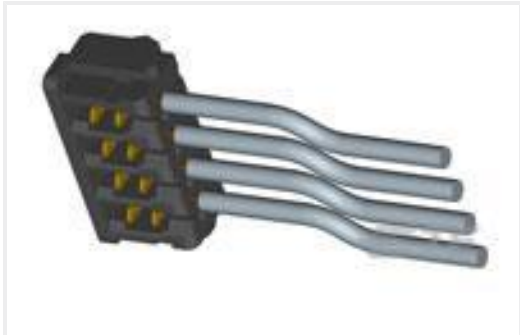
Customers Also Bought



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



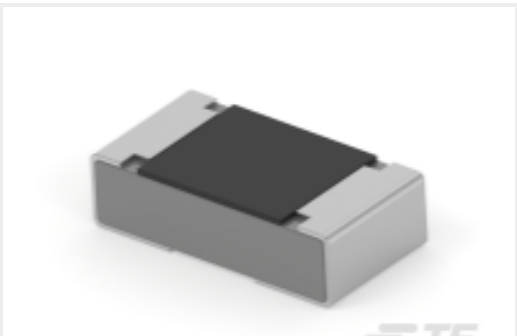
TE Part #929937-6
JPT REC 2.8 Contact SWS Ag



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



TE Part #1-963214-1
10P J-P-T GEH KOMPL



TE Part #3-2176480-2
RA73F 1J 1K15 0.1% 5K RL



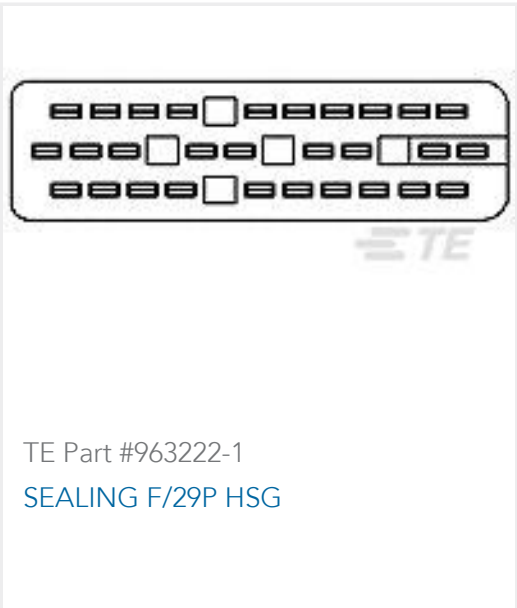
TE Part #1676353-3
RN 0805 49K9 0.1% 10PPM 5KRL



TE Part #484719-E
M12 MALE, A CODE, 5P, 10.5MM SMT



TE Part #770250-1
UMNL II PIN PTPBR LP 20-14



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