281810-2 ✔ ACTIVE

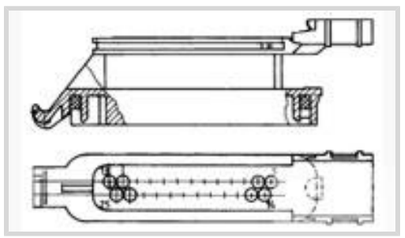
AMP | Junior Power Timer

TE Internal #: 281810-2

Housing for Male Terminals, Wire-to-Device / Wire-to-Board, 25 Position, .197 in [5 mm] Centerline, Sealable, Black, Junior Power Timer

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > Timer Connector Housing



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

Number of Positions: **25**

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

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

Sealable: **Yes**

All Timer Connector Housing (519)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	25
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	90°
Primary Product Color	Black

Contact Features

Contact Size	2.8mm

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	39.6 mm[1.559 in]
Product Width	25 mm[.984 in]
Product Length	100.3 mm[3.949 in]
Row-to-Row Spacing	5.6 mm[.22 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-30 - 105 °C[-22 - 221 °F]

Industry Standards

Degree of Protection	IP54K

Packaging Features

Packaging Method	Box

Other

Serviceable	No
Connector Position Assurance Capable	No

Product Compliance

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

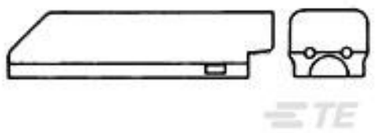
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) 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

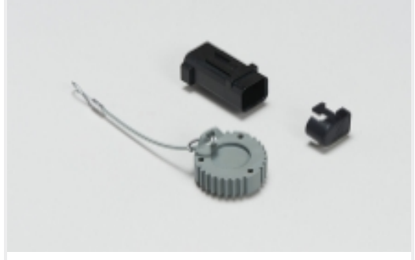


TE Part # 281812-1
COVER FOR 25W. SPLASH PROOF CO

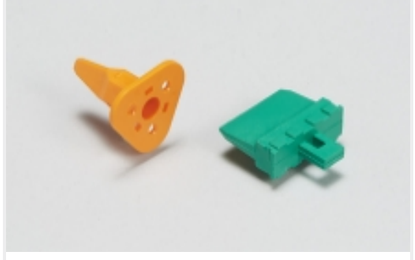


TE Part # CAT-LMPH9507
Low & Medium Power Header

Also in the Series | Junior Power Timer



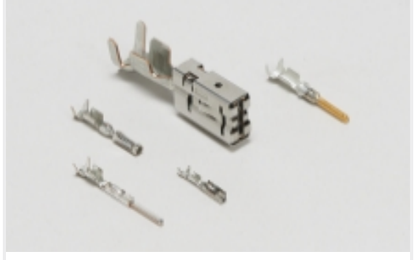
Automotive Connector Caps & Covers (9)



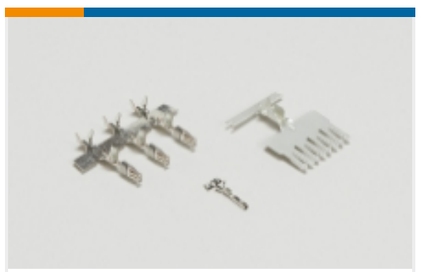
Automotive Connector Locks & Position Assurance(8)



Automotive Housings(324)



Automotive Terminals(189)



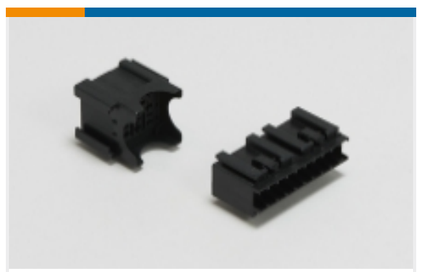
Busbars & Terminals(1)



Connector Seals & Cavity Plugs(9)



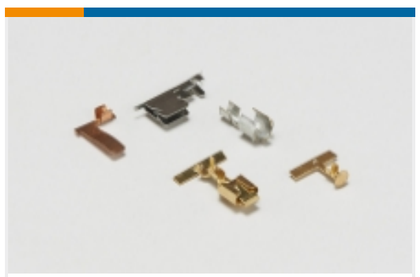
Insertion & Extraction Tools(8)



Module Components(4)



Other Automotive Connector Accessories(2)



Special Purpose Terminals(2)

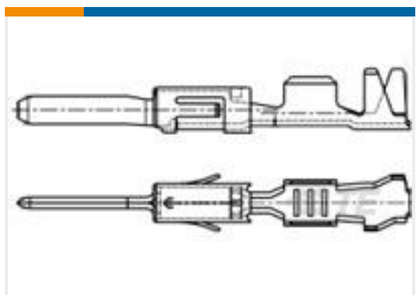
Customers Also Bought



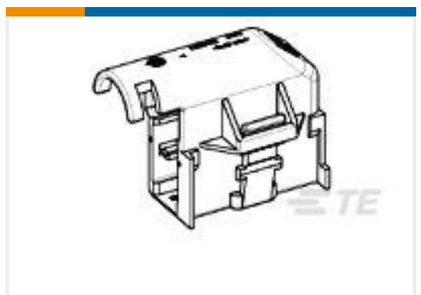
TE Part # 1376357-8
Signal Header



TE Part # 2-1393302-3
V23134A0052G243-EV-CBOX



TE Part # 963898-1
MICRO TIM ST1,6X0,6



TE Part # 1534099-1
MQS COVER 2X10P



TE Part # 2-2350891-2
20POS,HYBRID,PIN HSG ASSY,SLD, COD B



TE Part # 2177610-1
TAB1.2X0.6,TERMINAL,SWS,CB



TE Part # DRB102-BT-90DEG
BOOT, 102P, PLG/REC, RA, BLK



TE Part # 1418885-3
AMP MCP 1.5K, CONTACT, SWS, (LP)

Documents

Product Drawings

SPLASH PROOF CONN 90 VERS

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_281810-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_281810-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_281810-2_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

Timer Interconnection System

English

Product Specifications

Product Specification

English

2-7-15 WAY SPLASE-PROOF CONNECTORS

English