

281810-2 ✓ ACTIVE

AMP | Junior Power Timer

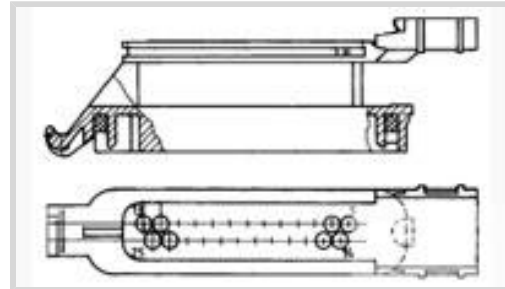
TE Internal #: 281810-2

Housing for Male Terminals, Wire-to-Board / Wire-to-Device, 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 & Housing Type: **Housing for Male Terminals**

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

Number of Positions: **25**

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

Sealable: **Yes**

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

## Features

### Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	No
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: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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 # CAT-LMPH9507  
Low & Medium Power Header

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

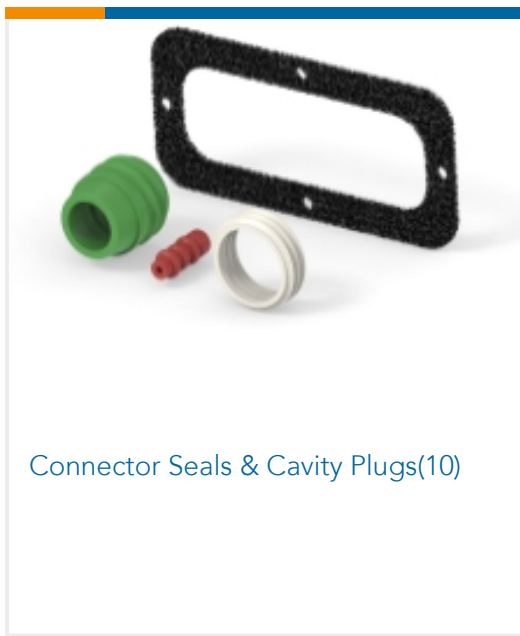
### Also in the Series | Junior Power Timer

Automotive Connector Caps & Covers (5)

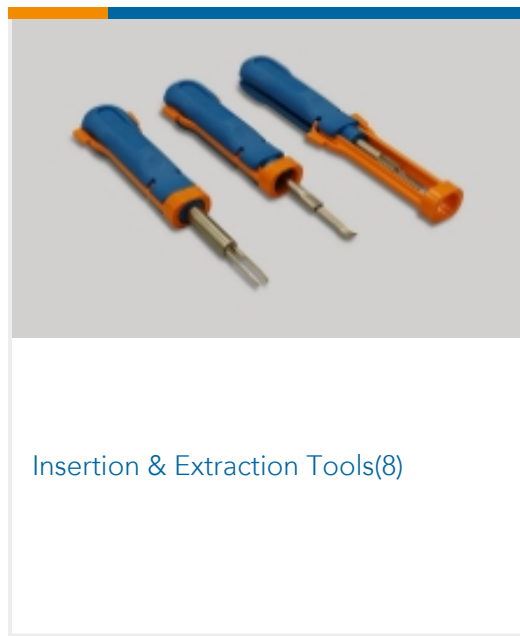
Automotive Housings(252)

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)

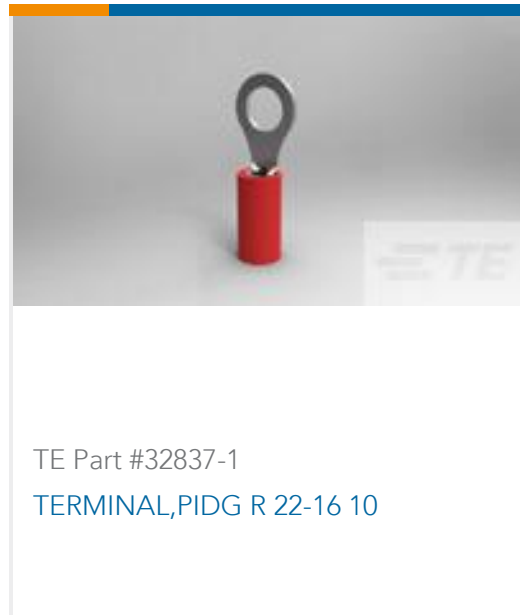
## Customers Also Bought



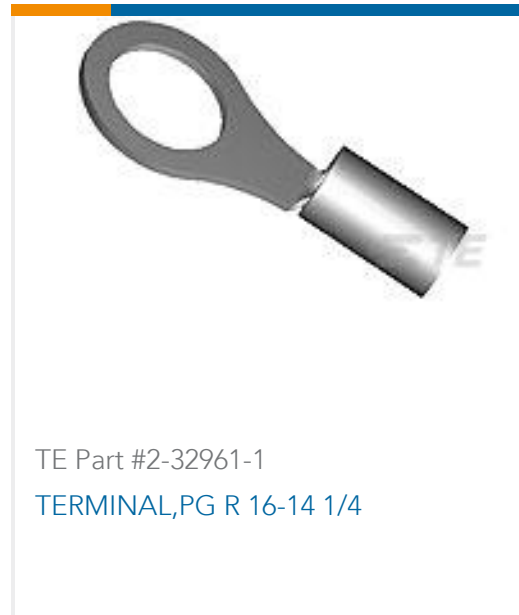
TE Part #DT04-12PB-P016  
REC, 12P, BLK, BUSBAR 1X12, GOLD, B



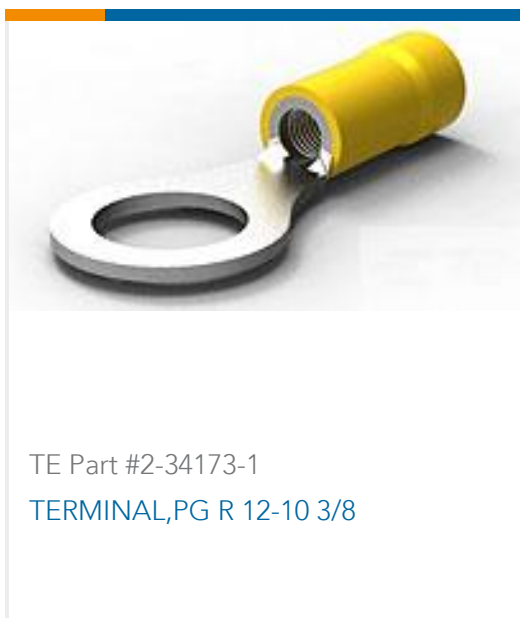
TE Part #282194-1  
SPLASH PROOF CONN. W.S.L.



TE Part #32837-1  
TERMINAL,PIDG R 22-16 10



TE Part #2-32961-1  
TERMINAL,PG R 16-14 1/4



TE Part #2-34173-1  
TERMINAL,PG R 12-10 3/8



TE Part #63239-1  
POSITIVE LOCK 250 REC 12-10 AWG TPBR



TE Part #175615-2  
Signal Header



TE Part #278414-000  
RT-3-NO.2-0-COIL

## 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 Conditions](#) of use.

---

## Datasheets & Catalog Pages

[Timer Interconnection System](#)

English

---

## Product Specifications

[Product Specification](#)

English

[2-7-15 WAY SPLASE-PROOF CONNECTORS](#)

English