



AMP | Timer Connector System

TE Internal #: 282729-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 3 Position, .196 in [5 mm] Centerline, Sealable, Black, Timer Connector System

[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, Wire-to-Device**

Number of Positions: **3**

Centerline (Pitch): **5 mm [.196 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, Wire-to-Device
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	Neutral

Contact Features

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Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	20 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	PA GF
Centerline (Pitch)	5 mm[.196 in]

Dimensions

Connector Height	38.2 mm[1.504 in]
Product Width	24.5 mm[.965 in]
Product Length	30.4 mm[1.196 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-30 – 125 °C[-22 – 257 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Degree of Protection	IP54K
Agency/Standard	IEC 529 IP 54

Packaging Features

Packaging Quantity	900
Packaging Method	Bag & Box

Other

Serviceable	Yes
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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: JAN 2023 (233) 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 # 828905-1 SINGLE-WIRE-SEAL(5MM HOLE)</p>	<p>TE Part # 828906-2 BLINDSTOPFEN 1,5SYS</p>	<p>TE Part # CAT-T4827-T273 TIMER, RECEPTACLE AND TAB</p>	<p>TE Part # 828904-1 SINGLE WIRE SEAL FOR J.P.T.CON</p>
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TE Part # 282536-1
S.WAY SEAL F.JPT CONTACT 2.5MM

TE Part # 828906-1
CAVITY PLUG (5MM HOLE)

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

Also in the Series | Timer Connector System

Automotive Connector Caps & Covers (12)

Automotive Connector Locks & Position Assurance(17)

Automotive Housings(237)

Automotive Terminals(145)

Connector Seals & Cavity Plugs(32)

Crimp Terminal Housings(13)

Insertion & Extraction Tools(19)

Other Automotive Connector Accessories(1)

PCB Headers & Receptacles(82)

Quick Disconnects(4)

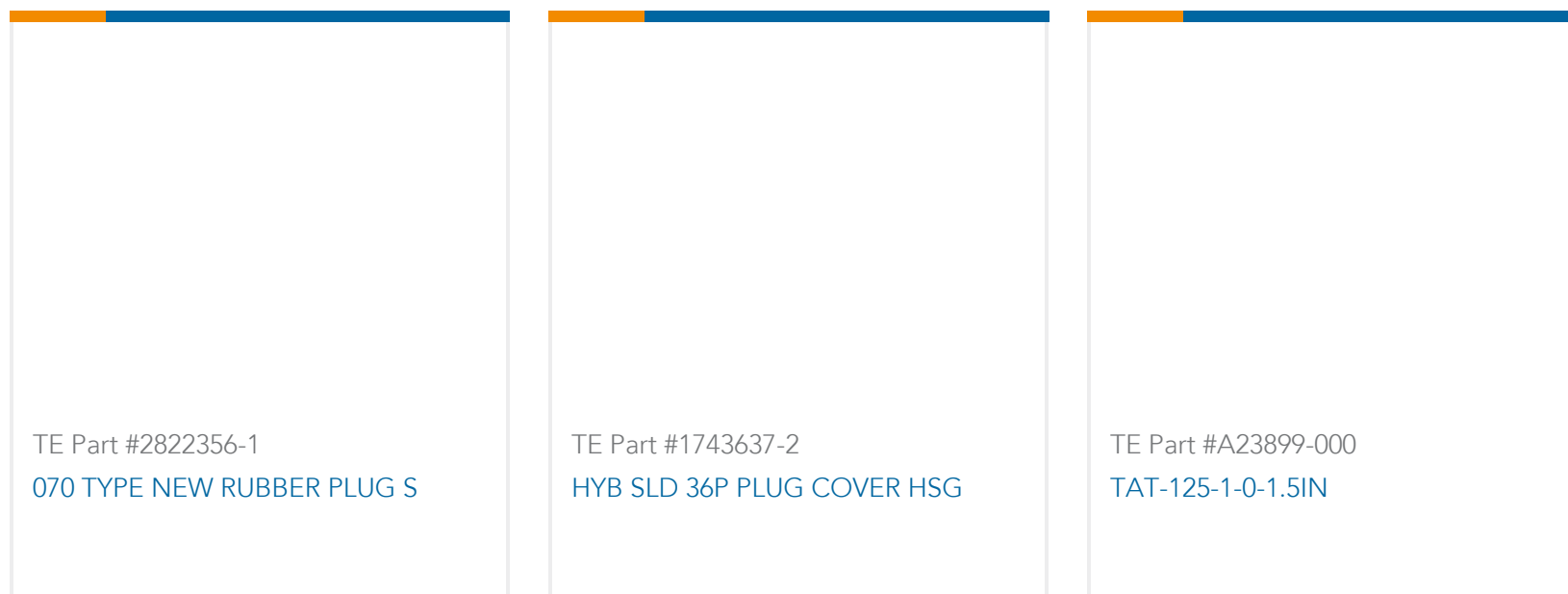
Customers Also Bought

TE Part #1-968879-1
Timer Connector Housing

TE Part #1544316-1
JOINT VERT G2

TE Part #2-1418479-1
8POS,AMP MCP1.5K,REC. HSG,CODB

TE Part #929937-1
TIMER, RECEPTACLE AND TAB



Documents

Product Drawings

SPLASH PROOF CONN. ASS'Y

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_282729-1_E_c-282729-1-e.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_282729-1_E_c-282729-1-e.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_282729-1_E_c-282729-1-e.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

Instruction Sheets

2-7 positions junior power timer splash proof connectors

English

Instruction Sheet (non U.S.)

English

2-7 positions Junior Power Timer splash proof connectors (english version)

English

Instruction Sheet (non U.S.)

English

Instruction Sheet (non U.S.)



English

[2-7 Position Junior Power Timer Splash Proof Fem. Connector](#)

English