

1-964449-1 ✓ ACTIVE

AMP | Timer Connector System

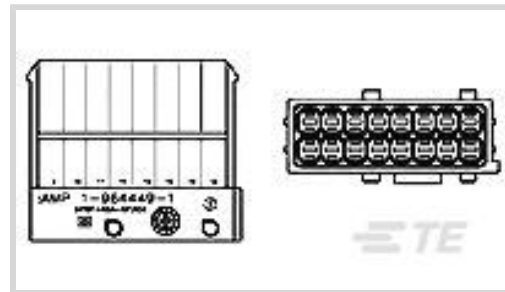
TE Internal #: 1-964449-1

Housing for Male Terminals, Wire-to-Wire, 16 Position, .197 in [5 mm] Centerline, Black, Wire & Cable, Power & Signal, Timer Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > Timer Connector Housing



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

Mating Tab Width: **2.8 mm [.11 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **16**

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

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

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
Connector & Keying Code	A1

Contact Features

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Contact Size	2.8mm
Contact Type	Tab
Mating Tab Width	2.8 mm[.11 in]

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	39 mm[1.535 in]
Product Width	20 mm[.787 in]
Product Length	45.8 mm[1.803 in]
Row-to-Row Spacing	6 mm[.236 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Method	Carton
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Other

Serviceable	No
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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

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>

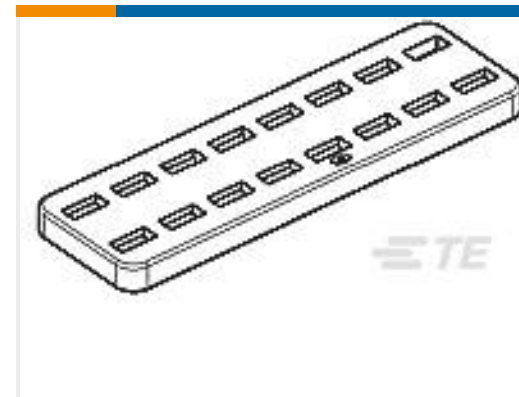
Compatible Parts



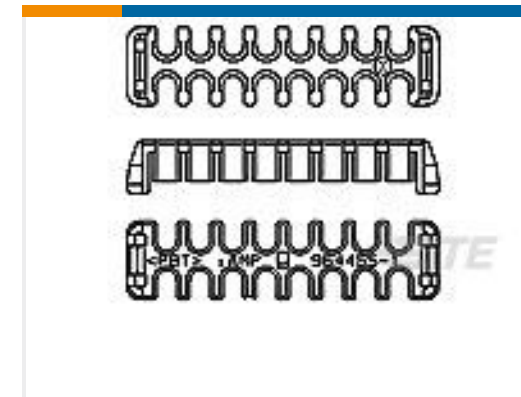
TE Part # CAT-T4827-CH8172
Timer Connector Housing



TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # 963216-1
DICHTUNG



TE Part # 964455-1
KONTAKTSICHERUNG16P

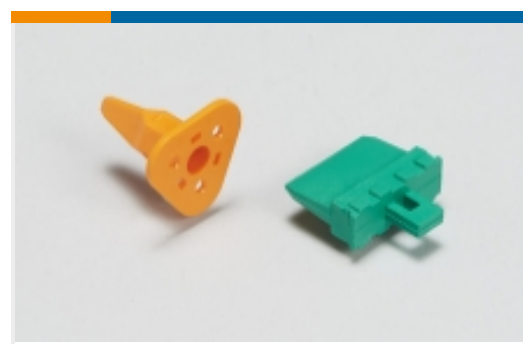


TE Part # 1-965982-1
TAB TAB 0.2-0.5 MM2 0.32X35.0
PTPPHBZ

Also in the Series | **Timer Connector System**



Automotive Connector Caps & Covers (12)



Automotive Connector Locks & Position Assurance (17)



Automotive Housings (235)



Automotive Seals & Cavity Plugs (32)



Automotive Terminals (145)



Crimp Terminal Housings (13)



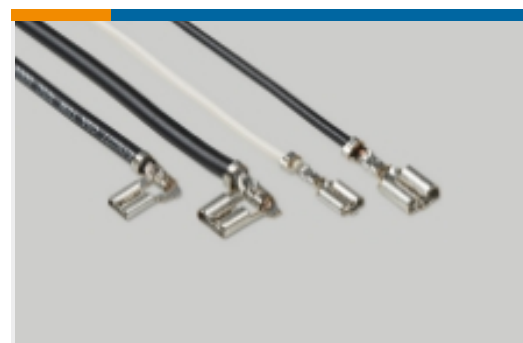
Insertion & Extraction Tools (19)



Other Automotive Connector Accessories (1)



PCB Headers & Receptacles (82)

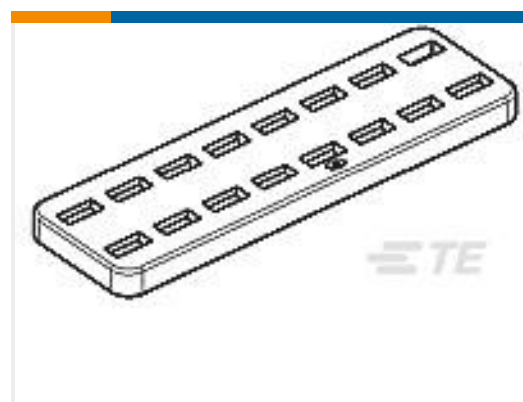


Quick Disconnects (4)

Customers Also Bought



TE Part #1-967281-1
Timer Connector Housing



TE Part #963205-1
SEAL



TE Part #1-965427-1
JUN-POW-TIM HSG 16P

Documents

Product Drawings

[FLACHSTE-GEH2,8 16P](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_1-964449-1_B1.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_1-964449-1_B1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-964449-1_B1.2d_dxf.zip](#)

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Timer Interconnection System](#)

English

Instruction Sheets

[CONNECTEURS JPT ETANCHES A ETRIER POUR CONNEXIONS FIL A FIL PRECONISAT](#)

English

[Instruction Sheet \(non U.S.\)](#)

English