

1-963449-2 ✓ ACTIVE

AMP | Junior Power Timer

TE Internal #: 1-963449-2

Housing for Female Terminals, Wire-to-Wire, 29 Position, .197 in [5 mm] Centerline, Sealable, Black, Signal, Junior Power Timer

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > TIMER, CONNECTOR HOUSING



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

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

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

Number of Positions: **29**

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

[All TIMER, CONNECTOR HOUSING \(543\)](#)

Features

Product Type Features

| | |
|---------------------------|------------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | On the Terminal |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 29 |
| Number of Rows | 3 |

Body Features

| | |
|-----------------------|--------|
| Body Material | PBT GF |
| Primary Product Color | Black |
| Connector Code | A1 |

Contact Features

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



Mechanical Attachment

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

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 5 mm [.197 in] |
|--------------------|----------------|

Dimensions

| | |
|--------------------|--------------------|
| Product Width | 32 mm [1.26 in] |
| Product Length | 82.5 mm [3.248 in] |
| Product Height | 31.5 mm [1.24 in] |
| Row-to-Row Spacing | 6 mm [.236 in] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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



Also in the Series | Junior Power Timer



Automotive Connector Caps & Covers (5)



Automotive Housings(225)



Automotive Seals & Cavity Plugs(10)



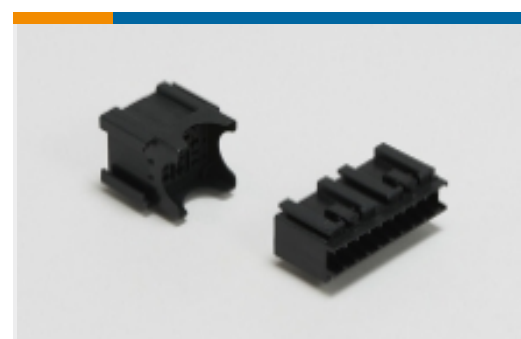
Automotive Terminals(82)



Busbars & Terminals(1)



Insertion & Extraction Tools(9)



Module Components(8)



Other Automotive Connector Accessories(1)

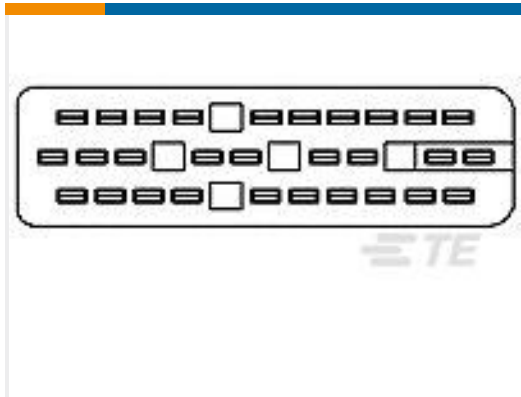


PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #1-967281-1
TIMER, CONNECTOR HOUSING



TE Part #963222-1
SEALING F/29P HSG



TE Part #6-1393292-2
V23074A2002A402-SZ-CBOX



TE Part #2-1633966-3
CRIMPER,INSULATION O



TE Part #3-1633932-2
ANVIL, COMBINATION



TE Part #6-456402-5
CRIMPER, WIRE .055 "F"



TE Part #T4171310004-002
M12,FRONT MOUNTING,FEMALE,A,
4P,0.5M WIRE



TE Part #T4171310005-002
M12,FRONT MOUNTING,FEMALE,A,
5P,0.5M WIRE

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

Timer Interconnection System

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English