

1-963221-1 ✓ ACTIVE

Timer Connector System

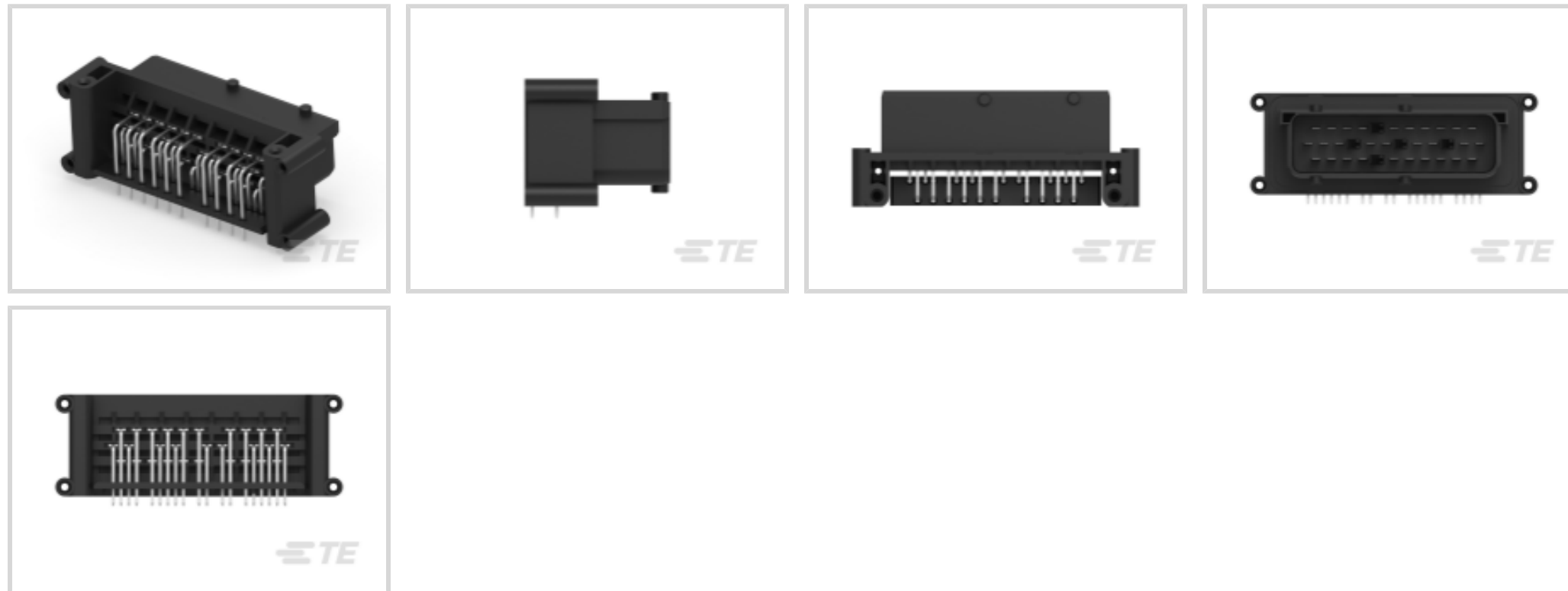
TE Internal #: 1-963221-1

PCB Mount Header, Horizontal, Wire-to-Board, 29 Position, 5 mm [.196 in] Centerline, Fully Shrouded, Tin, Timer Connector System

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > Low & Medium Power Header



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

Number of Positions: **29**

Centerline (Pitch): **5 mm [.196 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All Low & Medium Power Header \(143\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	No

Configuration Features

Number of Sections	1
Number of Signal Positions	29
Number of Positions	29
PCB Mount Orientation	Horizontal
Number of Rows	3

Body Features



Primary Product Color	Black
-----------------------	-------

Connector & Keying Code	A1
-------------------------	----

Contact Features

Contact Size	3mm
--------------	-----

Contact Type	Tab
--------------	-----

Mating Tab Width	3 mm[.118 in]
------------------	---------------

Mating Tab Thickness	.8 mm[.031 in]
----------------------	----------------

Contact Mating Area Plating Material	Tin
--------------------------------------	-----

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Mounting Holes	With
----------------	------

Mating Retention	With
------------------	------

Mating Alignment	With
------------------	------

PCB Mount Alignment	With
---------------------	------

Panel Mount Feature	Without
---------------------	---------

PCB Mount Retention	With
---------------------	------

PCB Mount Retention Type	Mounting Hole
--------------------------	---------------

Mating Retention Type	Locking Interface
-----------------------	-------------------

Housing Features

Centerline (Pitch)	5 mm[.196 in]
--------------------	---------------

Dimensions

Connector Length	83.2 mm[3.27 in]
------------------	------------------

Connector Width	37.1 mm[1.46 in]
-----------------	------------------

Profile Height from PCB	32.5 mm[1.27 in]
-------------------------	------------------

Operation/Application

Shielded	No
----------	----

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

Packaging Features

Packaging Type	Tray
----------------	------

Packaging Quantity	100
--------------------	-----



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-T4827-CH8172
Timer Connector Housing



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

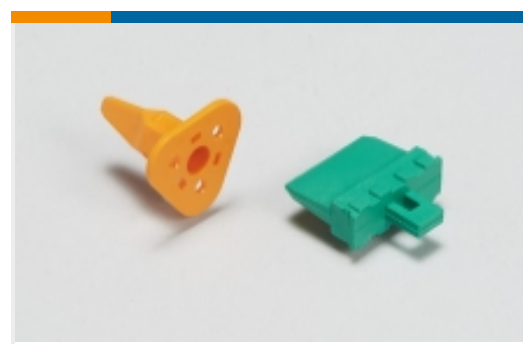


TE Part # 5-963289-1
2P J-P-T GEH KOMPL

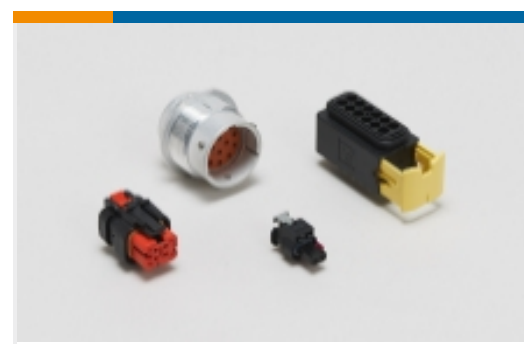
Also in the Series | [Timer Connector System](#)



Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(15)



Automotive Housings(210)



Automotive Terminals(137)



Connector Seals & Cavity Plugs(31)



Crimp Terminal Housings(13)



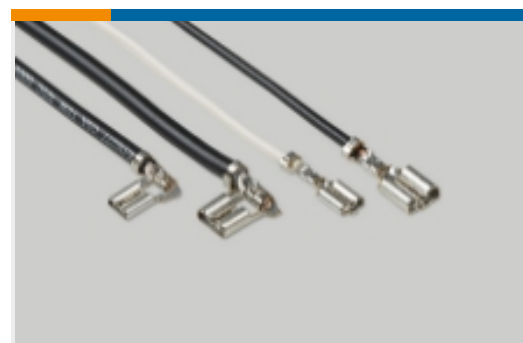
Insertion & Extraction Tools(18)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(77)

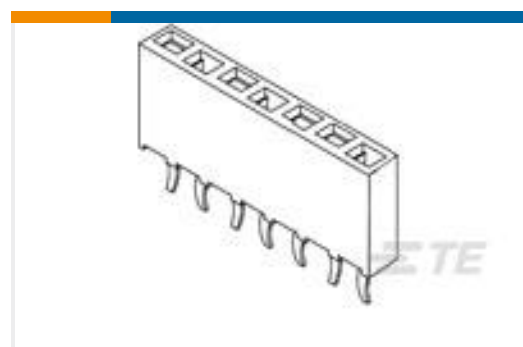


Quick Disconnects(4)

Customers Also Bought



TE Part #87220-5
05 MODII HDR SRST UNSHRD .100



TE Part #2-215297-0
20P HV100 REC CON. TE, 7.0MM



TE Part #2-2176308-3
RP 1E 0.1W 226K 0.1% 25PPM 5K RL



TE Part #2029304-1
12P MICRO MNL ASSY,VRT,HDR ON



TE Part #2302510-9
1-PORT MATENET FRAME,STP, COD Z



TE Part #2317515-1
2X10POS,NANOMQS,HDR ASSY, 90DEG,SMD,COD A



TE Part #3-1768033-1
LEB-0820P-9

Documents



Product Drawings

29P TAB HEADER 3MM

English

CAD Files

Customer View Model

[ENG_CVM_1-963221-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-963221-1_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-963221-1_O.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-963221-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963221-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-963221-1_G.3d_stp.zip](#)

English

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