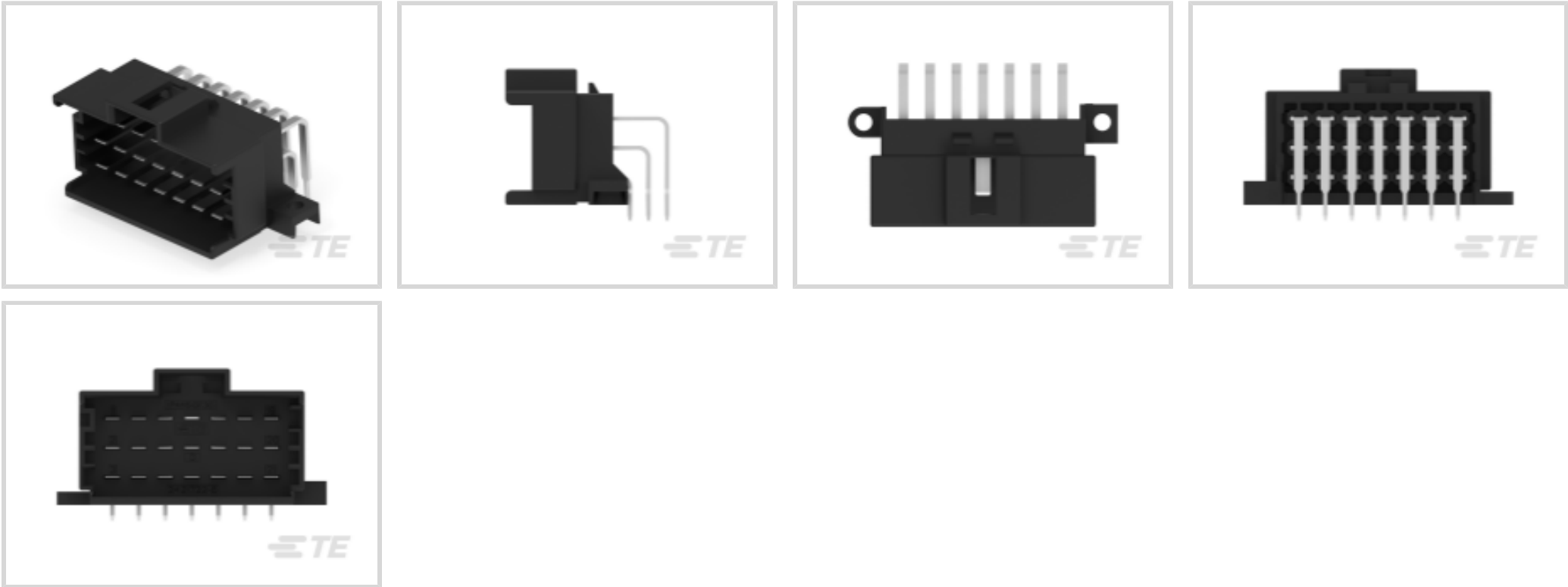




Automotive Parts > Automotive Connectors > Automotive Headers



PCB Mount Orientation: **Perpendicular Right Angle**

Contact Current Rating (Max): **24 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
Sealable	No
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	21
PCB Mount Orientation	Perpendicular Right Angle
Number of Positions	21
Number of Rows	3

Electrical Characteristics

Operating Voltage	12 VDC
Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V



Body Features

Connector & Keying Code	A
Primary Product Color	Black

Contact Features

Mating Tab Width	3 mm
Mating Tab Thickness	.8 mm
Contact Type	Tab
Contact Current Rating (Max)	24 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Retention Type	Screw Mount
Mating Alignment Type	Guide Ribs
Mating Alignment	With
PCB Mount Alignment	Without

Housing Features

Centerline (Pitch)	5 mm [.197 in]
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Dimensions

PCB Thickness (Recommended)	1.6 – 1.7 mm
Connector Width	28.6 mm
Connector Length	50.8 mm
Profile Height from PCB	3 mm

Usage Conditions

Operating Temperature (Max)	100 °C
Operating Temperature Range	-40 – 100 °C [-40 – 212 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	140
Packaging Method	Box

Product Compliance

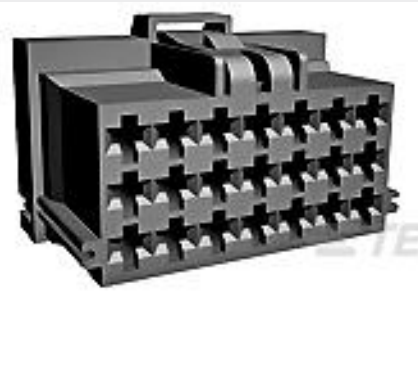
For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 8-968975-2
MCP2.8 GEH ASSY 21P



TE Part # 8-968975-1
MCP2.8 GEH 21P



TE Part # 1-967625-6
JUN-POW-TIM GEH 21P

Also in the Series | AMP MCP Connector System



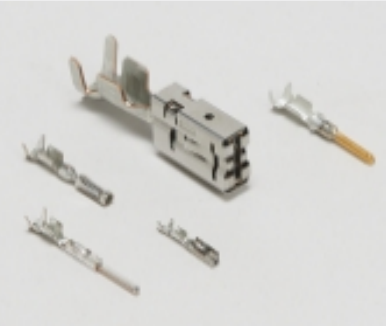
Automotive Connector Caps & Covers
(28)



Automotive Housings(242)



Automotive Signal & Power Headers(5)



Automotive Terminals(7)

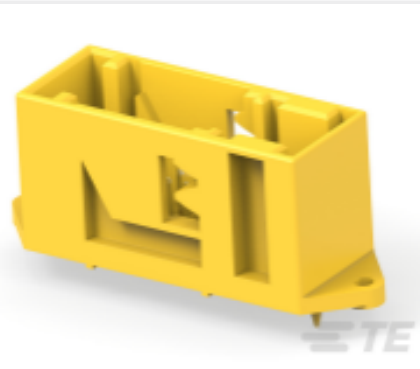


Other Automotive Connector
Accessories(4)

Customers Also Bought



TE Part #CAT-LMPH9507
Low & Medium Power Header



TE Part #CAT-N04-MDH063180
MQS 0.63mm 180 Degree Headers



TE Part #CAT-SIGH262
Signal Header



TE Part #2320201-1
MATENET,1-PORT,90DEG,HDR ASSY,
COD A



TE Part #2321342-6
TAB0.5X0.4,NANO MS,
NANOMULTISPRING INDIU



TE Part #3-966658-1
32pos MQS .63 header 180deg



Documents

Product Drawings
21POS,TAB2.8X0.8,HDR ASSY,90DEG,COD A,RS
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2421721-6_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2421721-6_A.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_2421721-6_A.2d_dxf.zip
English

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

Product Specifications
Product Specification
English