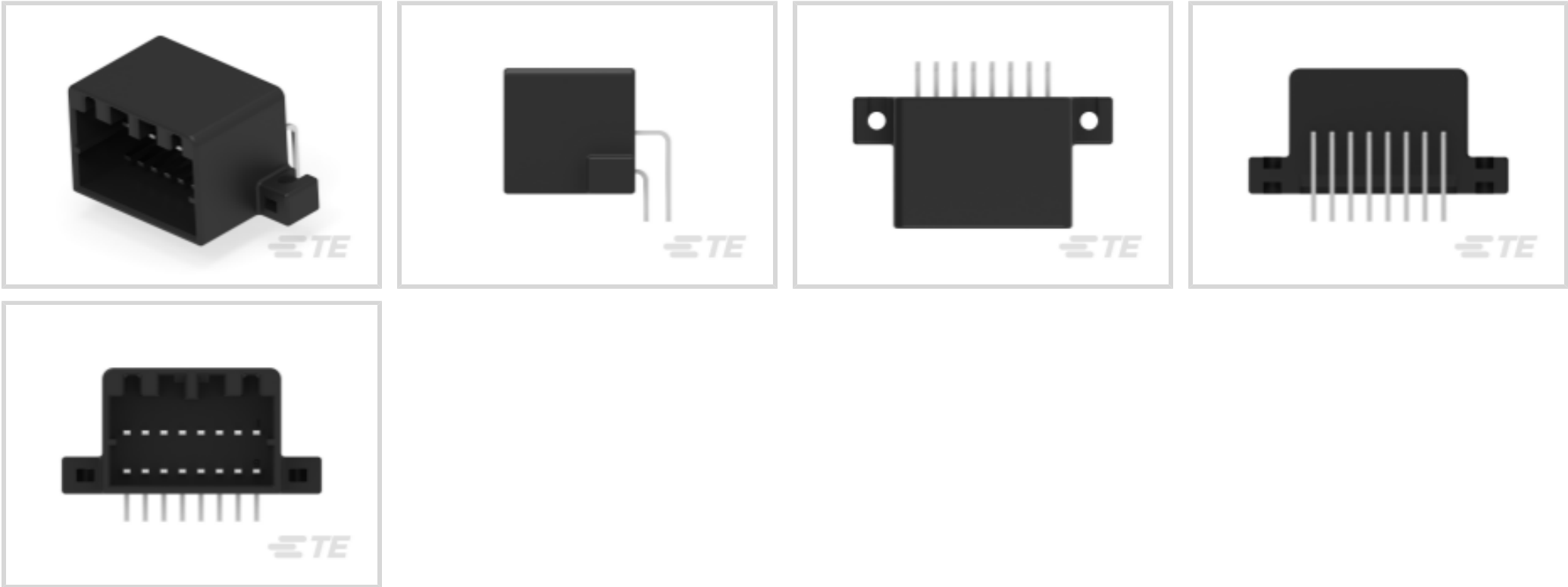




Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header



PCB Mount Orientation: **Horizontal**

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

Number of Positions: **16**

Number of Rows: **2**

Centerline (Pitch): **2.5 mm [.098 in]**

[All Signal Header \(240\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	16
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	16
Number of Rows	2



Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features

Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Type	Tab
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
PCB Mount Retention	Without
Mounting Holes	With
PCB Mount Retention Type	Mounting Hole
Mating Alignment	With
PCB Mount Alignment	Without

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
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Dimensions

Connector Width	35 mm[1.378 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	22.5 mm[.886 in]
Profile Height from PCB	16.9 mm[.665 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[212 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]



Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	70
Packaging Method	Tube

Other

Interface Number	175966
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Wave solder capable to 240°C

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-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING

TE Part # 173683-2
040 TAB, MULTI-LOCK I/O CONN.


Also in the Series | Multilock Connector System




Automotive Connector Caps & Covers
(5)




Automotive Headers(71)



Automotive Housings(139)



Automotive Terminals(76)

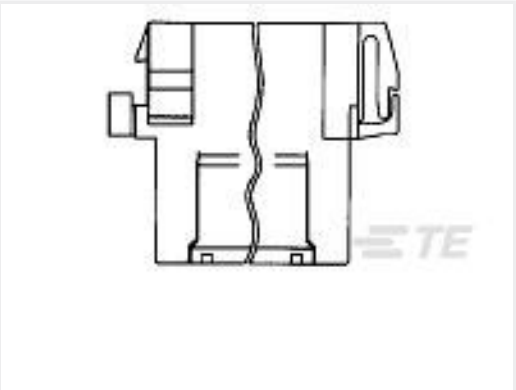


Other Automotive Connector
Accessories(5)

Customers Also Bought



TE Part #CAT-SIGH262
Signal Header



TE Part #929505-2
FF FLA-STE-GEG2X3P



TE Part #963961-2
FF 110 TAB 0.2-0.5MM2 .070 F PTP
CUZN30



TE Part #2329531-1
20POS,TAB0.63X0.63,HDR ASSY,
90DEG,SLDR



TE Part #CAT-HPCH5372
High Pin Count Header



TE Part #175966-2
040 MLC II PLUG HSG ASSY 16P

TE Part #2434996-1
AMP SUPERSEAL 1.5 SERIES 2P CA,
CONN KIT



Documents

CAD Files

Customer View Model

[ENG_CVM_175615-2_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_175615-2_K.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_175615-2_K.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_175615-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175615-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175615-2_H.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

Japanese

Product Specification

English

[.040 SERIES MULTI LOCK I/O CONNECTOR \(NON INERTIA TYPE\)](#)

English

[.040 SERIES MULTI LOCK I/O CONNECTOR \(NON INERTIA TYPE\)](#)

Japanese

Product Specification

Japanese

Instruction Sheets

[.040 Series Multilock I/O Connector Mark II](#)

Japanese

[.040 Series Multilock I/O Connector Mark II](#)

Japanese



[.040 Series, Multilock I/O Connector, Mark II](#)

Japanese

[.040 Series, Multilock I/O Connector, Mark II](#)

Japanese