1612050-9 ✔ ACTIVE

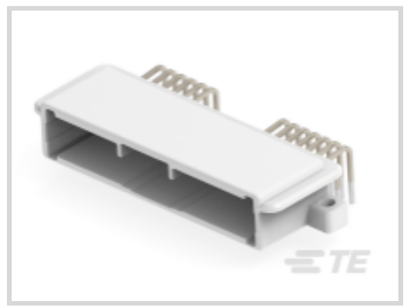
AMP | 0.64/025 Connector System

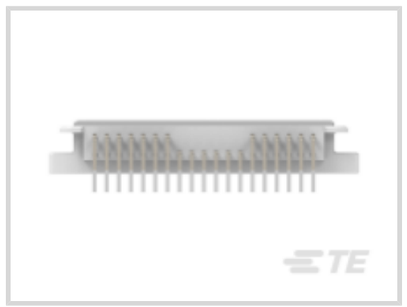
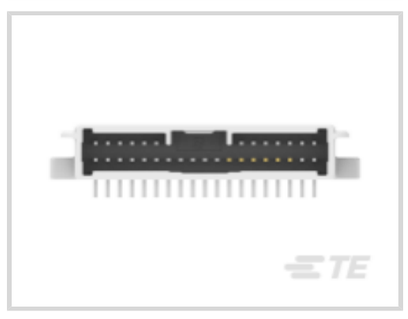
TE Internal #: 1612050-9

Horizontal, Wire-to-Board, 32 Position, 2 Row, 2.2mm [.086in] Centerline, Gold (Au) / Tin (Sn), Printed Circuit Board, 0.64/025 Connector System

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header



PCB Mount Orientation: **Horizontal**

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

Sealable: **No**

Centerline (Pitch): **2.2 mm [.086 in]**

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

All Signal Header (189)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	32
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	32
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	Natural

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.2 mm[.086 in]

Dimensions

Connector Width	17.5 mm[.68 in]
PCB Thickness (Recommended)	1.2 – 1.6 mm[.047 – .063 in]
Profile Height from PCB	10 mm[.394 in]
Connector Length	56.2 mm[2.213 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Solder Process	Wave Solder Capable
Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	8
Packaging Method	Tube

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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

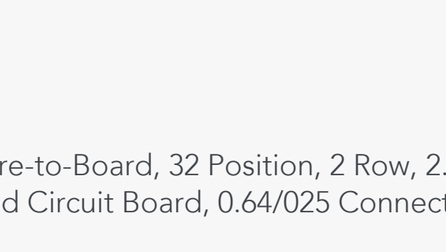
Product Compliance Disclaimer

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

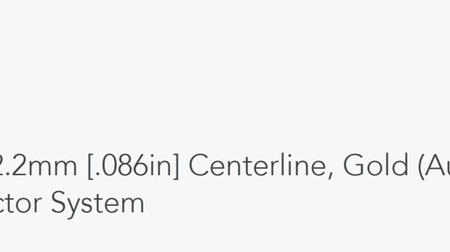
Compatible Parts

TE Part # 1612051-1
025 LOW PROFILE 32POS CAP_HSG

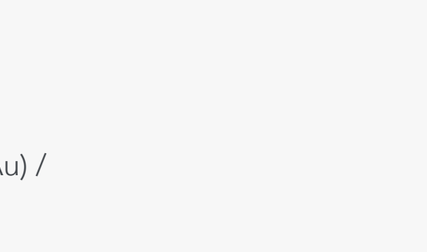
Also in the Series | 0.64/025 Connector System



Automotive Connector Locks & Position Assurance(1)

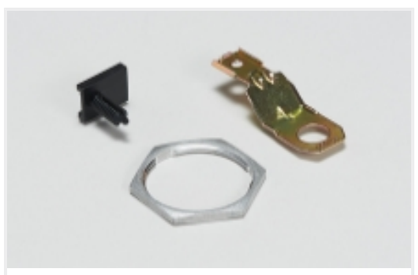


Automotive Housings(180)



Automotive Signal & Power Connector Housings(180)

Connector Seals & Cavity Plugs(2)



Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #CAT-HPCH5372
High Pin Count Header

TE Part #2298340-1
0.5/0.64 56POS CAP ASSEMBLY

TE Part #1-2365170-0
ACTUATOR,KIEKERT ACTUATOR

TE Part #2399896-4
CHARGE INLET ASSY,CHADEMO

TE Part #2400768-4
PIN DIA 2.8,COMMON CONTACT

TE Part #2401567-2
DIA 9MM,TERMINAL,SWS,CB, CHADEMO

TE Part #2423615-1
CHARGE INLET HSG,SEAL COVER

Documents

Product Drawings

025 LOW PROFILE 32POS CAP ASSY 6 Au

English

CAD Files

Customer View Model

ENG_CVM_CVM_1612050-9_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1612050-9_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1612050-9_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

025 low profile connector

Japanese

Japanese

Instruction Sheets

Instruction Sheet (U.S.)

English