1939203-4 ✔ ACTIVE

AMP | 0.64/025 Connector System

TE Internal #: 1939203-4

Horizontal, Wire-to-Board, 40 Position, 2 Row, 2.2mm [.087in] Centerline, Tin (Sn), Printed Circuit Board, Signal, Black, 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 - Screw**

Sealable: **No**

Centerline (Pitch): **2.2 mm [.087 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	40
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	40
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

Contact Features

Mating Tab Width	.64 mm[.025 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

Mechanical Attachment

Mating Retention Type	Locking Interface
PCB Mount Retention	With
Mounting Holes	With
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.2 mm[.087 in]

Dimensions

Connector Width	49.4 mm[1.94 in]
PCB Thickness (Recommended)	1.2 – 1.6 mm[.047 – .062 in]
Connector Length	17 mm[.67 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	9
Packaging Method	Tube

Other

Interface Number	1379671

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	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 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 # 1379671-1
40W PLUG HSG ASSY BLACK

Also in the Series | 0.64/025 Connector System



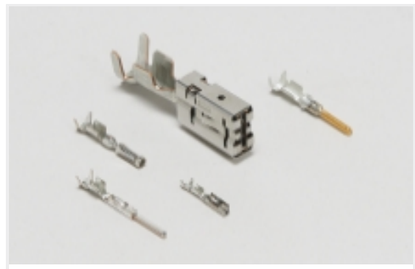
Automotive Connector Caps & Covers (6)



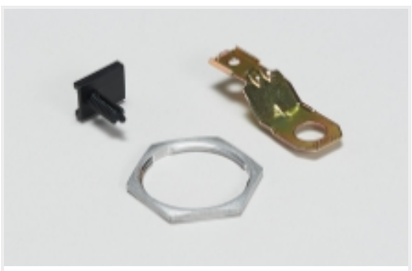
Automotive Housings(180)



Automotive Signal & Power Headers (172)

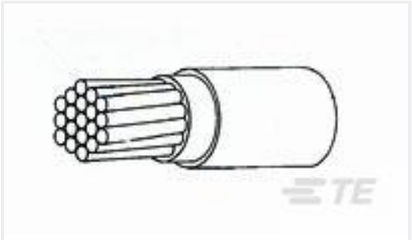


Automotive Terminals(21)



Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #2820323006
44A0111-22-2



TE Part #1-316131-2
DYNAMIC D-3200 HDR ASSY 6P H PdNi &Au



TE Part #969599-1
32pos MQS .63 header 90deg



TE Part #CAT-SIGH262
Signal Header



TE Part #1393243-4
RTE24012



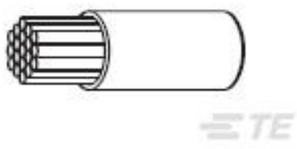
TE Part #1-1625966-3
HSA10 18R 5%



TE Part #1903611-5
0.50 SERIES CONN 12POS PLUG HOUSING ASSY



TE Part #2208165-1
20POS,NANO MQS,HEADER ASSY, CODA



TE Part #E960193001
FLHTC0311-0.35-4

Documents

Product Drawings

025 40P CAP HOUSING ASSY H-TYPE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1939203-4_B_c-1939203-4-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1939203-4_B_c-1939203-4-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1939203-4_B_c-1939203-4-b.3d_stp.zip

English

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Product Specifications

Product Specification

Japanese

Product Specification

Japanese