2320178-1 ✔ ACTIVE

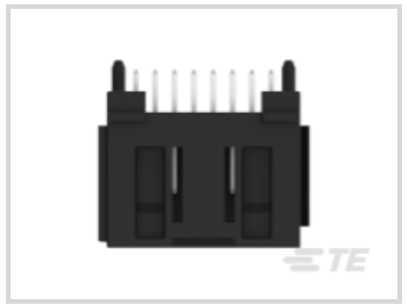
TE Internal #: 2320178-1

Vertical, Wire-to-Board, 16 Position, 2 Row, 2.5mm [.098in] Centerline, Tin over Nickel, Printed Circuit Board, Signal, Black, Board Mount

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Automotive Parts > Automotive Connectors > Automotive Headers







PCB Mount Orientation: **Vertical**

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

Sealable: **No**

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

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

Features

Product Type Features

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

Configuration Features

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

Body Features

Connector & Keying Code	A-D
Primary Product Color	Black

Contact Features

Mating Tab Thickness	.64 mm[.025 in]
Contact Type	Tab
Mating Tab Width	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin over Nickel

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Width	27.3 mm[1.07 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	17.2 mm[.68 in]
Connector Length	24.2 mm[.95 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Solder Process	Reflow Solder Capable
Circuit Application	Signal

Packaging Features

Packaging Method	Tray
Packaging Quantity	60

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 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 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

Customers Also Bought



TE Part #2098164-1
Cover, 60 Position PDM



TE Part #1-2333134-7
DYNAMIC 1100D REC HSG X 34P BLACK 33%GF



TE Part #2355203-1
HVP800 3P HEADER ASSY



TE Part #2490748-1
14POS,PIN DIA 1.3,HDR ASSY,180DEG



TE Part #1438299-7
GET MALE TERM, A, AG



TE Part #2219678-1
MCP 9.5MM CAP 2P ASSY EXP



TE Part #2359930-2
6POS,MQS,TAB HSG,UNSLD,COD B

TE Part #2401703-1
2POS,MQS,TAB INNER HSG

TE Part #2476574-1
2POS,CSJ1800,HDR ASSY

TE Part #2476574-2
2POS,CSJ1800,HDR ASSY

Documents

Product Drawings

16POS,TAB0.63X0.63,HDR ASSY,180DEG,SLDR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2320178-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2320178-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2320178-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English