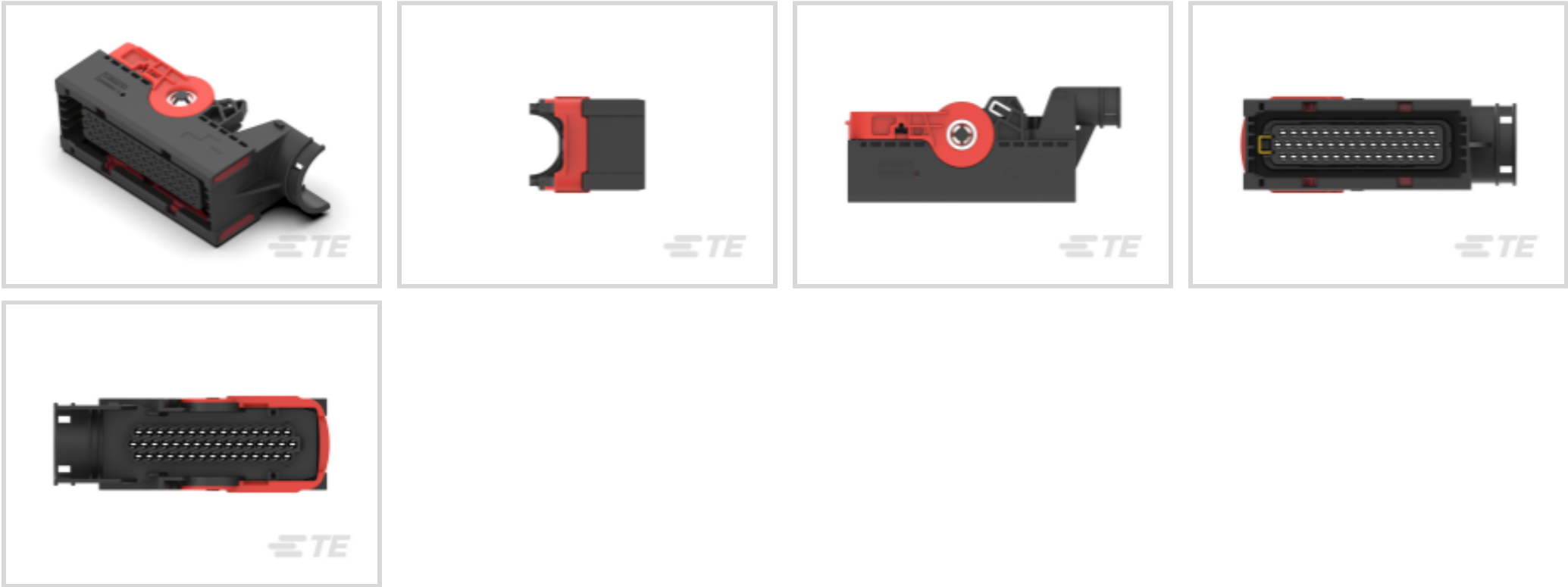




TE Internal #: 3-2112231-1
Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 46
Position, .157 in [4 mm] Centerline, Sealable, Black, Signal
[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Board, Wire-to-Device**
Number of Positions: **46**
Connector & Housing Type: **Housing for Female Terminals**
Centerline (Pitch): **4 mm [.157 in]**
Sealable: **Yes**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	46
Number of Rows	3

Electrical Characteristics

Operating Voltage	90 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V

Body Features

Cable Exit Angle	90°
Primary Product Color	Black



Connector & Keying Code	A
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Contact Features

Contact Size	1.5K
Contact Type	Receptacle
Mating Tab Width	1.6 mm[.063 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Connector Height	36.4 mm[1.433 in]
Product Width	43.5 mm[1.713 in]
Product Length	104 mm[4.095 in]
Row-to-Row Spacing	6 mm[.236 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	159
Packaging Method	Box



Other

Serviceable	Yes
Connector Position Assurance Capable	No

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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 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 # 2112233-1
COVER,90,FOR 46POS



TE Part # 1-2331102-1
TAB HEADER 46POS.



TE Part # 1418884-1
AMP MCP 1.5K, CONTACT, SWS

Customers Also Bought





TE Part #178409-6
MULTILOCK, CONNECTOR HOUSING



TE Part #615970-001
F-23-FR



TE Part #1394132-1
BLINDSTOPFEN F.D3,6



TE Part #2-2331102-1
TAB HEADER 46POS.



TE Part #3-1418469-1
6POS,AMP MCP1.5K,REC. HSG,CODC



TE Part #1-2208686-1
21POS,AMP MCP2.8,REC HSG,ASSY



TE Part #6-1879417-6
CPF0603 576K 0.1% 25PPM 1K RL



TE Part #2120833-1
AMPSEAL PIN HEADER 23POS GOLD



TE Part #2141630-1
5POS,HVA630,REC HSG ASSY,
180DEG,HVIL

Documents

Product Drawings
46POS,AMP MCP1.5K,REC HSG,ASSY
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_3-2112231-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_3-2112231-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_3-2112231-1_B.3d_stp.zip
English

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

Product Specifications



Application Specification

English