1-776087-2 ✔ ACTIVE

AMP | AMPSEAL

TE Internal #: 1-776087-2

AMPSEAL, Automotive Headers, Wire-to-Board / Wire-to-Device, 23 Position, 4mm [.157in] Centerline, Sealable, Horizontal, 3 Row, Natural

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Connectors > Automotive Connectors > Automotive Headers > AMPSEAL HEADERS



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

Number of Positions: **23**

Centerline (Pitch): **4 mm [.157 in]**

Sealable: **Yes**

PCB Mount Orientation: **Horizontal**

All AMPSEAL HEADERS (111)

Features

Product Type Features

Hybrid Header	No
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	23
Number of Positions	23
PCB Mount Orientation	Horizontal
Number of Rows	3

Electrical Characteristics

Voltage Rating (Max)	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 240 V
Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Mating Tab Width	1.3 mm[.051 in]
Mating Tab Thickness	1.3 mm[.051 in]
Mating Pin Diameter	1.3 mm[.051 in]
Contact Mating Area Plating Material	Gold (Au)

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	4 mm[.157 in]

Dimensions

Profile Height from PCB	23.6 mm[.929 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Width	37.9 mm[1.498 in]
Product Length	60.8 mm[2.394 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-40 – 257 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

Degree of Protection	IP6K9K

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	220

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (1% in Component Part) Dodecamethylcyclohexasiloxane (D6) (1% in Component Part) Decamethylcyclopentasiloxane (D5) (1% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # CAT-AM78-CH8172
AMPSEAL HOUSINGS

Also in the Series | AMPSEAL



Automotive Connector Caps & Covers (5)



Automotive Headers(111)



Automotive Housings(16)



Automotive Seals & Cavity Plugs(1)



Automotive Terminals(4)

Customers Also Bought



TE Part #1-338086-3
RJ25 Connectors



TE Part #1-2176349-3
CRGCQ 2512 100R 1%



TE Part #1-776087-1
AMPSEAL HEADERS

TE Part #HPP805D033
HTM1735LF RH/T MODULE

TE Part #1-1414310-0
V23076A3001C132-T-*-USA

Documents

Product Drawings

23 POS AMPSEAL HDR SNAP IN W/G

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-776087-2_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-776087-2_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-776087-2_L.3d_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

AMPSEAL Connector Catalog

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English