

1-776163-2 ✓ ACTIVE

[AMP | AMPSEAL](#)

TE Internal #: 1-776163-2

AMPSEAL, Automotive Headers, Wire-to-Board / Wire-to-Device, 35 Position, 4mm [.157in] Centerline, Sealable, Horizontal, 3 Row, Natural

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[Connectors > Automotive Connectors > PCB Headers > AMPSEAL HEADERS](#)



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

Number of Positions: **35**

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

Sealable: **Yes**

PCB Mount Orientation: **Horizontal**

[All AMPSEAL HEADERS \(111\)](#)

Features

Product Type Features

Hybrid Header	No
Shielded	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	35
Number of Positions	35
PCB Mount Orientation	Horizontal
Number of Rows	3

Electrical Characteristics

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

Body Features



Primary Product Color	Natural
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Contact Features

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

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Centerline (Pitch)	4 mm[.157 in]
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Dimensions

Length	76.9 mm[3.03 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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Profile Height from PCB	23.6 mm[.929 in]
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Width	37.9 mm[1.498 in]
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Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Degree of Protection

IP6K9K

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: JUN 2020 (209)
Candidate List Declared Against: JAN 2018 (181)
Does not contain REACH SVHC

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



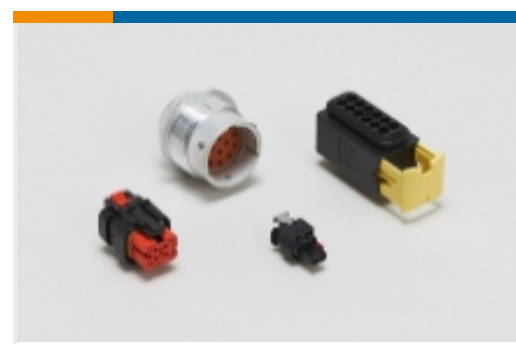
Also in the Series | **AMPSEAL**



Automotive Connector Caps & Covers (5)



Automotive Headers(111)



Automotive Housings(16)



Automotive Seals & Cavity Plugs(1)



Automotive Terminals(4)

Customers Also Bought

TE Model / Part #776164-6
AMPSEAL HOUSINGSTE Model / Part #1-776163-4
AMPSEAL HEADERSTE Model / Part #6-2176339-1
CRGCQ 0603 1M0 1%TE Model / Part #1-5177986-5
0.8FH,P06H.5,120,08/Sn,TR,SCTE Model / Part #146860-1
B/A REELED SRST HDR ASSY 15 AUTE Model / Part #103186-5
10 MODII HDR DRST B/A .100CL

Documents

Product Drawings

35 POS AMPSEAL HDR ASSY NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-776163-2_S.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-776163-2_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-776163-2_S.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

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English