

23 POS AMPSEAL HDR SNAP IN W/G

✓ ACTIVE

AMP | AMPSEAL

TE Part # 776087-2

TE Internal #: 776087-2

AMPSEAL HEADERS

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > PCB Headers > AMPSEAL HEADERS



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

Number of Positions: 23

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

Sealable: Yes

Mounting Orientation: Horizontal/90°

[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	23
Number of Positions	23
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

Color	Natural
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Contact Features

Tab Width	1.3 mm[.051 in]
Tab Thickness	1.3 mm[.051 in]
Pin Diameter	1.3 mm[.051 in]
Interface Plating	Tin (Sn)

Termination Features

Termination Method	Through Hole - Solder
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Mechanical Attachment

Locking Interface	With
PCB Mount Alignment	With
Mounting Holes	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mounting Orientation	Horizontal/90°

Housing Features

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

Length	60.8 mm[2.3937 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Profile Height from PCB	23.6 mm[.929 in]
Width	37.9 mm[1.498 in]

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Degree of Protection	IP6K9K



Packaging Features

Packaging Quantity	1
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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 2019 (197) Candidate List Declared Against: JUL 2017 (174)
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 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 # 770680-2
23POS,AMPSEAL,SOC
HSG ASSY,SLD,COD 2

Also in the Series | AMPSEAL

23 POS AMPSEAL HDR SNAP IN W/G

TE Part # 776087-2
TE Internal #: 776087-2



Automotive Connector
Caps & Covers(5)



Automotive Seals & Cavity
Plugs(1)



Automotive, Truck, Bus, &
Off-Road Headers(111)

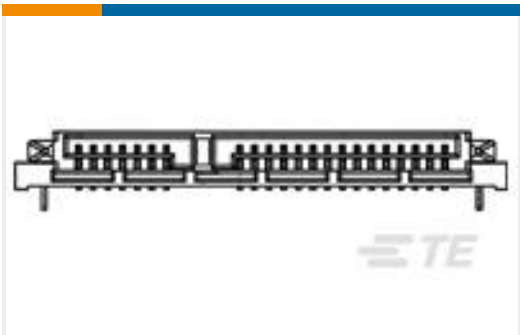


Automotive, Truck, Bus, &
Off-Road Housings(16)



Automotive, Truck, Bus, &
Off-Road Terminals(4)

Customers Also Bought



TE Part #2023246-2
ASS'Y SATA REC. R/A
SMT TYPE 3.45H



TE Part #1734592-6
FPC CONN. 0.5MM PITCH
B/C, 6P



TE Part #1-1734261-2
1.25 WTB, HDR, SMT, RA,
12P



TE Part #1-1734264-1
M/J,RJ45,Side entry,8P8C,
R/A,1



TE Part #2041021-1
Secure Digital Conn,top,
Push-Pull,30 Au



TE Part #2041517-1
MINI USB, RCPT,V/T,DIP,
B TYPE,30u" Au

Documents

Product Drawings

23 POS AMPSEAL HDR SNAP IN W/G

English

CAD Files

Customer View Model

ENG_CVM_CVM_776087-2_L.3d_stp.zip

English

Customer View Model



[ENG_CVM_CVM_776087-2_L.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_776087-2_L.3d_igs.zip](#)

English

[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