

AMP | AMPSEAL

TE Internal #: 776087-4

PCB Mount Header, Horizontal, Wire-to-Device / Wire-to-Board, 23

Position, .157 in [4 mm] Centerline, Fully Shrouded, Tin (Sn),

AMPSEAL

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMPSEAL PCB Horizontal 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 PCB Horizontal Headers (37)

Features

Product Type Features

Hybrid Header	No
Connector & Housing Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
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



Primary Product Color Connector Code 15,7 Contact Features Contact Size 1.3mm Contact Features Contact Type Pin Mating Pin Diameter 1.3 mm[051 in] Contact Mating Area Plating Material Immigration Method to Printed Circuit Board Through Hole Solder Mechanical Attachment Mounting Holes With Mating Alignment Type Keyed Mating Retention With Mating Alignment With PCB Meunt Alignment PCB Meunt Retention Lype Boardlock Mating Retention With PCB Meunt Retention Type Locking Interface Connector Mounting Type Board Mount Commettor Mounting Type Board Mount Commettor Mounting Type Board Mount Commettor Mounting Type Connector Mounti		
Primary Product Color Connector Code 15, 7 Contact Features Contact Size 1,3mm Contact Type Pin Mating Pin Diameter 1,2 mm[,051 in] Contact Mating Area Plating Material Imm(,051 in) Contact Mating Area Plating Material Imm(,051 in) Contact Mating Area Plating Material Imm(,051 in) Imm(,051	Operating Voltage	250 VAC
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Contact Size 1.3mm Contact Type Pin Mating Pin Diameter 1.3 mm[.051 in] Contact Mating Area Plating Material Tin (Sn) ermination Features Termination Method to Printed Circuit Board Through Hole Solder Acchanical Attachment Mounting I Joles With Mating Alignment Type Keyed Mating Retention With Mating Alignment With PCB Mount Alignment With PCB Mount Alignment With Panel Mount Retention With PCB Mount Retention With PCB Mount Retention With PCB Mount Retention Type Boardock Mating Retention Type Boardock Mating Retention Type Boardock Connector Mounting Type Board Mount Noting Features Connector Mounting Type Board Mount Noting Features Connector Mounting Type Board Mount Noting Features Connector I angth 60.8 mm[2.394 in] Commetter Width 37.9 mm[1.498 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 23.6 mm[.929 in] Nagae Conditions Operating Temperature (Max) 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105	Connector Code	15, 7
Contact Type Pin Mating Pin Diameter 1.3 mm[.051 in] Contact Mating Area Plating Material Tin (Sn) emination Features Termination Method to Printed Circuit Board Through Hole - Solder Acchanical Attachment Mounting Holes With Mating Alignment Type Keyed Mating Retention With Mating Alignment With PCB Mount Alignment With Panel Mount Feature Without PCB Mount Retention With PCB Mount Retention Type Locking Interface Connector Mounting Type Board Mount Iousing Features Board Mount Centerline (Pitch) 4 mm[.157 in] Dimensions Connector Length 60.8 mm[2.394 in] Connector Width 37.9 mm[1.498 in] Profile Height from PCB 23.6 mm[.929 in] Reage Conditions 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F]	Contact Features	
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Centerline (Pitch) 4 mm[.157 in] Dimensions Connector Length 60.8 mm[2.394 in] Connector Width 37.9 mm[1.498 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 23.6 mm[.929 in] Degrating Temperature (Max) 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F]	Connector Mounting Type	Board Mount
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Connector Length 60.8 mm[2.394 in] Connector Width 37.9 mm[1.498 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 23.6 mm[.929 in] Degrating Temperature (Max) 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F]	Centerline (Pitch)	4 mm[.157 in]
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Profile Height from PCB 23.6 mm[.929 in] 23.6 mm[.929 in] 25.6 mm[.929 in] 26.7 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °F][176 °F]	Connector Width	37.9 mm[1.498 in]
Usage Conditions Operating Temperature (Max) 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F]	PCB Thickness (Recommended)	1.57 mm[.062 in]
Operating Temperature (Max) 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F]	Profile Height from PCB	23.6 mm[.929 in]
°C, 105 °C[149 °F][158 °F][167 °F][176 °F]	Usage Conditions	
	Operating Temperature (Max)	°C, 105 °C[149 °F][158 °F][167 °F][176 °F]



Operating Temperature Range	-40 - 105 °C[-40 - 221 °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	1

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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
(7)



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(31)



Automotive Seals & Cavity Plugs(1)



Automotive Terminals(8)



PCB Headers & Receptacles(72)

Customers Also Bought



TE Part #DRC22-40PA 40P RECP ASM



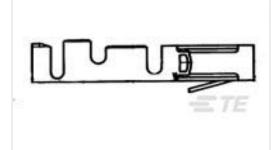
TE Part #520973-2 ULTRA-POD 187 ASSY REC 20-16 AWG TPBR



TE Part #280389-2 2X4P MODU II SHRD HDR,RT ANG, 0.38AU



TE Part #280379-2 6P MODU II SHRD HDR, RT ANG, 0.38 AU



TE Part #181270-1 AMP-MODU CONTACT



TE Part #2-1419130-4 TSC-112L3H,000



TE Part #175034-1 PL 187 REC 20-14 AWG 0.30 X 14.0 SS



TE Part #DT13-08PA HDR, 8P, GRY, RA, NI/CU, A





Documents

Product Drawings

23 POS AMPSEAL HDR SNAP IN W/G

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776087-4_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776087-4_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776087-4_N.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPSEAL Connector Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

PCB Mount Header, Horizontal, Wire-to-Device / Wire-to-Board, 23 Position, .157 in [4 mm] Centerline, Fully Shrouded, Tin (Sn), AMPSEAL



Agency Approvals

UL Report

English