

AMP | AMPSEAL

TE Internal #: 776231-5

PCB Mount Header, Vertical, Wire-to-Board / Wire-to-Device, 35

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

AMPSEAL

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMPSEAL PCB Headers



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

Number of Positions: 35

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

Sealable: Yes

PCB Mount Orientation: Vertical

All AMPSEAL PCB Headers (32)

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 | |

Configuration Features

| Number of Sections | 1 |
|----------------------------|----------|
| Number of Signal Positions | 35 |
| Number of Positions | 35 |
| PCB Mount Orientation | Vertical |
| 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 Connector Code Contact Size Contact Size Contact Size Contact I ype Mating Pin Diameter Contact Mating Area Plating Material Termination Features Termination Features Termination Floles Mounting Holes Mating Alignment Type Mating Alignment Mount Alignment Mount Alignment PCB Mount Alignment PCB Mount Retention PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Connector Mounting Type Mating Retention Type Mount Retention Type Mount Retention Type Mount Retention Type Mount Retention Type Connector Mounting Type Mating Retention Type Mount Retention Type Connector Mounting Type Mount Retention Mount Mounting Type Mount Retention M | | |
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| Primary Product Color Connector Code Connector Code Contact Size Contact Size Contact Size Contact I ype Mating Pin Diameter Contact Mating Area Plating Material Termination Features Termination Features Termination Floles Mounting Holes Mating Alignment Type Mating Alignment Mount Alignment Mount Alignment PCB Mount Alignment PCB Mount Retention PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Connector Mounting Type Mating Retention Type Mount Retention Type Mount Retention Type Mount Retention Type Mount Retention Type Connector Mounting Type Mating Retention Type Mount Retention Type Connector Mounting Type Mount Retention Mount Mounting Type Mount Retention M | Operating Voltage | 250 VAC |
| Contact Features Contact Size 1.3mm Contact Type Pin Mating Pin Diarneter 1.3 mm,051 inj Contact Mating Area Plating Material Through Hole - Solder Mechanical Attachment Mounting Holes With Mating Alignment Type Keyed Mating Alignment Type With Mating Alignment With Mating Alignment With PCB Mount Alignment PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Mating Retention Without PCB Mount Peature PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Alignment Without PCB Mount Retention Type Alignment Without PCB Mount Retention Type Alignment House Solder Tail Mating Retention Type Connector Mounting Type Alignment House Solder Tail Mating Retention Type Alignment House Solder Tail Mating Retention Type Connector Mounting Type Alignment House Solder Tail Mating Retention Type Alignment House Solder Tail Mating Retention Type Connector Mounting Type Alignment House Solder Tail Mating Retention Type Connector Mounting Type Alignment House Solder Tail Mating Retention Type Alignment House Solder Mount Alignment House Sol | Body Features | |
| Contact Features Contact Type Pin Mating Pin Diameter 1,3 mm [051 in] Contact Mating Area Plating Material Tin (Sn) Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mounting Holes With Mating Alignment Type Keyed Mating Alignment With PCB Mount Alignment PCB Mount Retartion Type Solder Tail Mating Retertion Without PCB Mount Retartion Type Solder Tail Mating Retertion Type Solder Tai | Primary Product Color | Blue |
| Contact Size Contact Type Pin Mating Pin Diameter Contact Mating Area Plating Material Tim (Sn) Fermination Method to Printed Circuit Board Mounting Holes With Mating Alignment Type Mating Alignment Wouth PCB Mount Alignment Penel Mount Feature With Panel Mount Feature Without PCB Mount Retention PCB Mount Retention Type Mating Retention Type Mating Retention Type Mating Retention Without PCB Mount Retention Without PCB Mount Retention Type Mating Retention Without PCB Mount Retention Type Mating Retention Type Connector Mounting Type Downer Connector Mounting Type Connector Mo | Connector Code | 10, 20, 5 |
| Contact Type Pin Mating Pin Diameter 1.3 mm .051 in Contact Mating Pin Diameter 1.3 mm .051 in Contact Mating Area Plating Material 7 min (Sn) Fermination Features Termination Method to Printed Circuit Board 7 Through Hole - Solder 8 Mechanical Attachment 8 Mounting Holes 8 With 8 Mating Alignment Type 8 Keyed 9 Mating Retention 9 With 9 Mating Alignment 9 With 9 With 9 Mating Alignment 9 With 9 With 9 With 9 Mating Alignment 9 With 9 With 9 Mating Alignment 9 With 9 With 9 Mating Alignment 9 With 9 Mount Alignment 9 Without 9 Mount Retention 9 Without 9 Mount Retention 19 Solder Tail 9 Mating Retention 19 Locking Interface 9 Mount Retention 19 Board Mount 9 Mount 19 Post Mounting I ype 9 Board Mount 9 Mount 19 Mounting I ype 9 Board Mount 9 Mount 19 Mounting I ype 9 Mount 9 Mount 19 Mount | Contact Features | |
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| Contact Mating Area Plating Material Fermination Features Termination Method to Printed Circuit Board Mechanical Attachment Mounting Holes Mating Alignment Type Mating Alignment Type Mating Alignment Mount Alignment Mount Alignment Mount Alignment Mount Retention Mating Alignment Mount Feature Mount Retention Mount Retention Mounting Holes Mount Retention Mounting Alignment Mount Feature Mount Feature Mount Retention Mount Retention Mount Retention Mount Retention Type Locking Interface Connector Mounting Type Board Mount Connector Mounting Type Amm[.157 in] Dimensions Connector Length Connector Width 76.9 mm[3.03 in] Connector Width PCB Thickness (Recommended) Profile Height from PCB | Contact Type | Pin |
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| Termination Method to Printed Circuit Board Mechanical Attachment Mounting Holes Mounting Alignment Type Mating Alignment Type Mating Alignment Mount Mating Alignment Mount Alignment Mount Alignment PCB Mount Alignment PCB Mount Retention Mithout PCB Mount Retention Type Mating Retention Type Connector Mounting Type Housing Features Centerline (Pitch) Connector Length Connector Width PCB Thickness (Recommended) Profile Height from PCB | Contact Mating Area Plating Material | Tin (Sn) |
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| Mounting Holes Mating Alignment Type Mating Retention Mating Alignment Mounting Alignment Mount Alignment Mount Feature Mount Retention Mount Retention Mount Retention Mount Retention Type Mount Retention Mount Rete | Termination Method to Printed Circuit Board | Through Hole - Solder |
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| Panel Mount Feature PCB Mount Retention PCB Mount Retention Type Solder Tail Mating Retention Type Locking Interface Connector Mounting Type Board Mount Housing Features Centerline (Pitch) A mm[.157 in] Dimensions Connector Length Connector Width PCB Thickness (Recommended) Profile Height from PCB Without Without Without Without Without Without A without Without A without A without A without A without A without A mail A mail A mm[.157 in] For mm[.062 in] A without A mail | Mating Alignment | With |
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| Mating Retention Type Connector Mounting Type Board Mount Housing Features Centerline (Pitch) A mm[.157 in] Dimensions Connector Length Connector Width 76.9 mm[3.03 in] Connector Width 32.1 mm[1.264 in] PCB Thickness (Recommended) Profile Height from PCB 34.25 mm[1.348 in] | PCB Mount Retention | Without |
| Connector Mounting Type Housing Features Centerline (Pitch) Dimensions Connector Length Connector Width PCB Thickness (Recommended) Profile Height from PCB Board Mount ### Mount ### A mm[.157 in] ### Mount ## | PCB Mount Retention Type | Solder Tail |
| Housing Features Centerline (Pitch) 4 mm[.157 in] Dimensions Connector Length 76.9 mm[3.03 in] Connector Width 32.1 mm[1.264 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 34.25 mm[1.348 in] | Mating Retention Type | Locking Interface |
| Centerline (Pitch) Dimensions Connector Length Connector Width PCB Thickness (Recommended) Profile Height from PCB 4 mm[.157 in] 76.9 mm[3.03 in] 32.1 mm[1.264 in] 1.57 mm[.062 in] 34.25 mm[1.348 in] | Connector Mounting Type | Board Mount |
| Connector Length 76.9 mm[3.03 in] Connector Width 32.1 mm[1.264 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 34.25 mm[1.348 in] | Housing Features | |
| Connector Length 76.9 mm[3.03 in] Connector Width 32.1 mm[1.264 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 34.25 mm[1.348 in] | Centerline (Pitch) | 4 mm[.157 in] |
| Connector Width 32.1 mm[1.264 in] PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 34.25 mm[1.348 in] | Dimensions | |
| PCB Thickness (Recommended) 1.57 mm[.062 in] Profile Height from PCB 34.25 mm[1.348 in] | Connector Length | 76.9 mm[3.03 in] |
| Profile Height from PCB 34.25 mm[1.348 in] | Connector Width | 32.1 mm[1.264 in] |
| | PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Jsage Conditions | Profile Height from PCB | 34.25 mm[1.348 in] |
| beage contained to | 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] [185 °F][194 °F][212 °F][221 °F] | 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

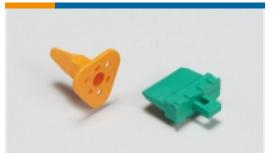




Also in the Series | AMPSEAL



Automotive Connector Caps & Covers
(7)



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(31)



Automotive Seals & Cavity Plugs(1)

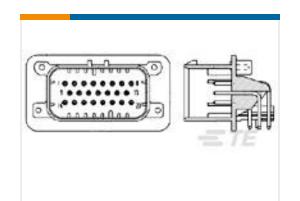


Automotive Terminals(8)



PCB Headers & Receptacles(72)

Customers Also Bought



TE Part #776280-1 8POS,PIN DIA 1.3,HDR ASSY,90DEG, SLDR,SLD



TE Part #1-292132-4 CT 2mm Post Header Asmbly: Box V DIP



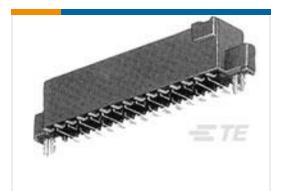
TE Part #2-1393215-3 V23057-A0006-A201



TE Part #1-794068-0 16P MINI UMNL HDR W/DH SN



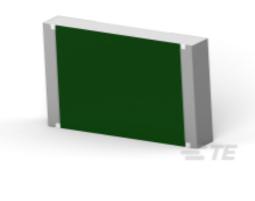
TE Part #643408-1 06P UMNL PIN HDR ASSY POL 94VO



TE Part #5-104652-3 30 50/50 GRID DRST SFMNT RCPT



TE Part #2311714-1 6POS,TAB0.5X0.4,HDR ASSY,90DEG, COD A



TE Part #2-2176400-5 3540 10R 1%





Documents

Product Drawings

35P VERT HDR ASSY W/GASKET

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776231-5_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776231-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776231-5_D.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPSEAL Connector Catalog

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English