

1-533935-2 ✓ ACTIVE

AMP-HDI

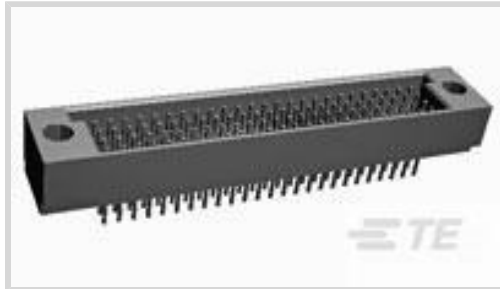
TE Internal #: 1-533935-2

PCB Mount Header, Vertical, Board-to-Board, 140 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **140**

Number of Rows: **4**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

Configuration Features

| | |
|-----------------------|----------|
| Stackable | No |
| Number of Positions | 140 |
| Number of Rows | 4 |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

| | |
|-----------------------|------|
| Insulation Resistance | 4 MΩ |
|-----------------------|------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

| | |
|------------------------------|-----------------|
| | .21 in |
| Mating Square Post Dimension | .64 mm[.025 in] |



| | |
|--|---|
| Contact Shape & Form | Four Beam |
| Contact Layout | Matrix |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Mating Area Plating Material Thickness | 1.27 μm [50 μin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|--|-----------------------|
| Termination Post & Tail Length | 4.83 mm[.19 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|-----------------------|
| PCB Mount Retention Type | Action/Compliant Tail |
| Mating Alignment Type | Keyed |
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material | Thermoplastic |

Dimensions

| | |
|-----------------------------|-------------------------|
| Connector Height | 11.73 mm[.462 in] |
| PCB Thickness (Recommended) | 2.13 mm[.062 – .125 in] |

Usage Conditions

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|-----------------------------|--|
| Housing Temperature Rating | High |
| Operating Temperature Range | -65 – 125 $^{\circ}\text{C}$ [-85 – 257 $^{\circ}\text{F}$] |

Operation/Application

| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application | Signal |

Industry Standards



| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 5 |
| Packaging Method | Tube |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: DEC 2011 (71) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Wave solder capable to 240°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



Customers Also Bought



Documents

Product Drawings

[HDI PIN ASSY 4 ROW 140 POS](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_1-533935-2_P.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-533935-2_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-533935-2_P.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[Agency Approval Document](#)

English