



AMP

TE Internal #: 530785-2

PCB Mount Header, Straddle Mount, Board-to-Board, 150 Position, 1.9 mm [.075 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Blue

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Straddle Mount**

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

Number of Positions: **150**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------------|
| Stackable | No |
| PCB Mount Orientation | Straddle Mount |
| Number of Positions | 150 |
| Number of Rows | 2 |

Body Features

| | |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

| | |
|---|------------------|
| | .198 in |
| Mating Tab Width | 1.12 mm[.044 in] |
| Mating Tab Thickness | .89 mm[.035 in] |
| PCB Contact Termination Area Plating Material | Tin-Lead |



| | |
|--|-----------------|
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | 1.27 μm[50 μin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .14 mm[.006 in] |
| Rectangular Termination Post & Tail Width | .76 mm[.03 in] |
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|---------------|
| PCB Mount Retention Type | Mounting Hole |
| Mating Alignment | With |
| Mating Alignment Type | Polarized |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 1.9 mm[.075 in] |
| Housing Material | Diallyl Phthalate |

Dimensions

| | |
|-----------------------------|-------------------------------|
| Row-to-Row Spacing | 3.17 mm, 3.18 mm[.125 in] |
| Stack Height | 15.24 mm[.6 in] |
| PCB Thickness (Recommended) | 1.37 – 1.78 mm[.054 – .07 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

Packaging Type

Package

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: JUNE 2022
(224)
Candidate List Declared Against: JAN 2019
(197)
SVHC > Threshold:
Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Not lead free process capable

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



Documents



Product Drawings

[BOX PIN 150 POS 075 C/L](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_530785-2_P.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_530785-2_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_530785-2_P.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Products for Aerospace and Defense](#)

English

Product Specifications

[Application Specification](#)

English