



GRACE INERTIA 2.0

TE Internal #: 4-2232826-9

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, .079 in [2 mm] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 2.0

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**
Number of Positions: **9**
Number of Rows: **1**
Centerline (Pitch): **2 mm [.079 in]**
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 9 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Body Features

| | |
|-------------------|----------|
| Connector Profile | Standard |
| Connector Code | B |



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

Contact Features

| | |
|--|---------------|
| Mating Square Post Dimension | .5 mm[.02 in] |
| Contact Mating Area Plating Material Thickness | 2 μm[80 μin] |
| Contact Mating Area Plating Material Finish | Bright |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

Termination Features

| | |
|---|-----------------------|
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|-------------|
| Mating Alignment Type | Keyed |
| Mating Retention | With |
| PCB Mount Retention Type | Kinked Legs |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Retention | With |

Housing Features

| | |
|--------------------|---------------|
| Housing Material | 66 Nylon |
| Centerline (Pitch) | 2 mm[.079 in] |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Shielded | No |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------|-----------|
| Glow Wire Rating | Glow Wire |
|------------------|-----------|



| | |
|------------------------|-----------|
| Agency/Standard | VDE |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|----------------|------|
| Packaging Type | Tray |
|----------------|------|

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: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

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



TE Part # 1-2232826-2
SGI2.0 header assembly TH 2P,key A, NTL

TE Part # 1-2232826-9
SGI2.0 header assembly TH 9P,key A, NTL

TE Part # 4-2232826-2
SGI2.0 header assembly TH 2P,key B, BLK

TE Part # 4-2232826-3
SGI2.0 header assembly TH 3P,key B, BLK

TE Part # 4-2232826-4
SGI2.0 header assembly TH 4P,key B, BLK

TE Part # 4-2232826-5
SGI2.0 header assembly TH 5P,key B, BLK

TE Part # 4-2232826-6
SGI2.0 header assembly TH 6P,key B, BLK

TE Part # 4-2232826-7
SGI2.0 header assembly TH 7P,key B, BLK

TE Part # 4-2232826-8
SGI2.0 header assembly TH 8P,key B, BLK

TE Part # 5-2232826-0
SGI2.0 header assembly TH 10P,key B, BLK

Also in the Series | GRACE INERTIA 2.0

PCB Headers & Receptacles(70)

Rectangular Connector Housings(20)

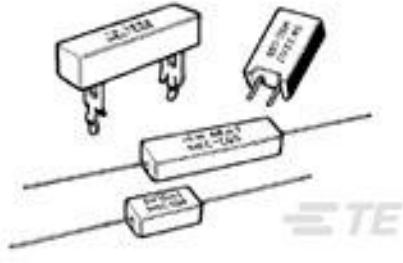
Standard Rectangular Connectors(18)

Wire-to-Board Connector Assemblies & Housings(1)


Wire-to-Board Connector Contacts(3)

Customers Also Bought

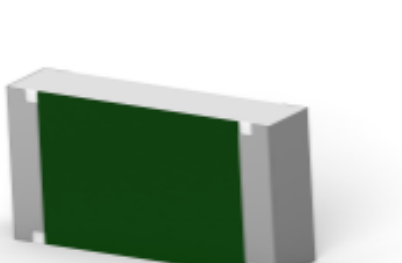




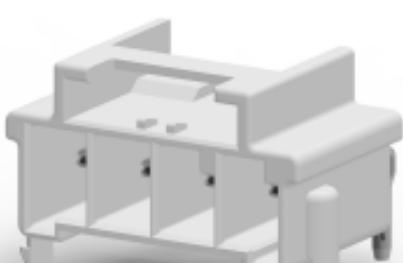
TE Part #2-1623795-3
SQP2 R047 5% WIRE




TE Part #1-1630019-4
HSC200 2K4 5%




TE Part #9-2176397-4
3502 7K5 1%




TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP
KEY A LGR




TE Part #YD369-B99-AP400000
Rectangular Connectors: 9-Way Panel
Mount, 90PCB



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY



TE Part #YACT24ME35PNV00100
JAM NUT RECEPTACLE

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2232826-9_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2232826-9_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2232826-9_A.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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

VDE Certificate

English

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