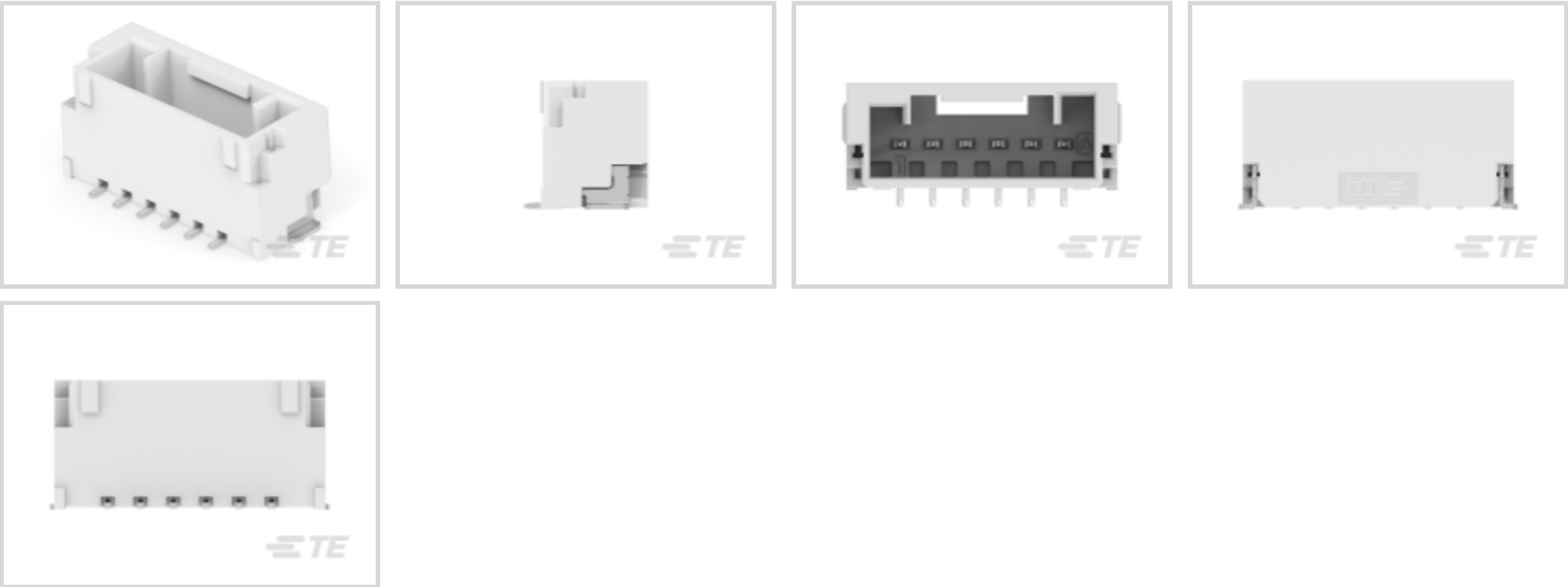




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 6            |
| Number of Rows                   | 1            |

Electrical Characteristics

|                        |        |
|------------------------|--------|
| Operating Voltage      | 50 VAC |
| Termination Resistance | 20 mΩ  |



|                                       |        |
|---------------------------------------|--------|
| Insulation Resistance                 | 500 MΩ |
| Dielectric Withstanding Voltage (Max) | 500 V  |

Body Features

|                         |         |
|-------------------------|---------|
| Connector & Keying Code | A       |
| Primary Product Color   | Natural |

Contact Features

|                                                |          |
|------------------------------------------------|----------|
| Contact Mating Area Plating Material Thickness | 2 – 5 μm |
| Mating Square Post Dimension                   | .3 mm    |
| Contact Shape & Form                           | Square   |
| Contact Layout                                 | Inline   |
| Contact Mating Area Plating Material           | Tin (Sn) |
| Contact Type                                   | Pin      |
| Contact Current Rating (Max)                   | 2 A      |

Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| Mating Retention Type    | Latch          |
| Mating Retention         | With           |
| PCB Mount Retention Type | Solder Peg     |
| Mating Alignment Type    | Polarizing Rib |
| PCB Mount Alignment Type | Solder Peg     |
| PCB Mount Retention      | With           |
| PCB Mount Alignment      | Without        |
| Connector Mounting Type  | Board Mount    |

Housing Features

|                       |                 |
|-----------------------|-----------------|
| Mating Entry Location | Top             |
| Housing Material      | Nylon           |
| Centerline (Pitch)    | 1.5 mm[.059 in] |

Dimensions

|                         |      |
|-------------------------|------|
| Profile Height from PCB | 6 mm |
|-------------------------|------|

Usage Conditions

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



Operation/Application

|                          |        |
|--------------------------|--------|
| Assembly Process Feature | None   |
| Shielded                 | No     |
| Circuit Application      | Signal |

Industry Standards

|                        |                             |
|------------------------|-----------------------------|
| Glow Wire Rating       | GWEPT 750°C (Without Flame) |
| UL Flammability Rating | UL 94V-0                    |

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & Reel |
|------------------|-------------|

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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                           |
| 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 # 2371671-6  
Plug HSG, SGI 1.50mm, 6pos, Key A

TE Part # 2382946-6  
SGI 1.5 Plug HSG, 6P, Key A, Natural

Also in the Series

GRACE INERTIA 1.5

Connector Caps & Covers(21)

PCB Headers & Receptacles(44)

Wire-to-Board Connector Assemblies  
& Housings(22)

Wire-to-Board Headers & Receptacles  
(44)

Documents

Product Drawings

SGI 1.5 HDR, 6P, VT, Key A, Natural

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2360547-6\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_2360547-6\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2360547-6\_A.3d\_igs.zip

English

3D PDF

3D

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

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals



VDE Certificate

English