# 4-1971798-3 ✔ ACTIVE

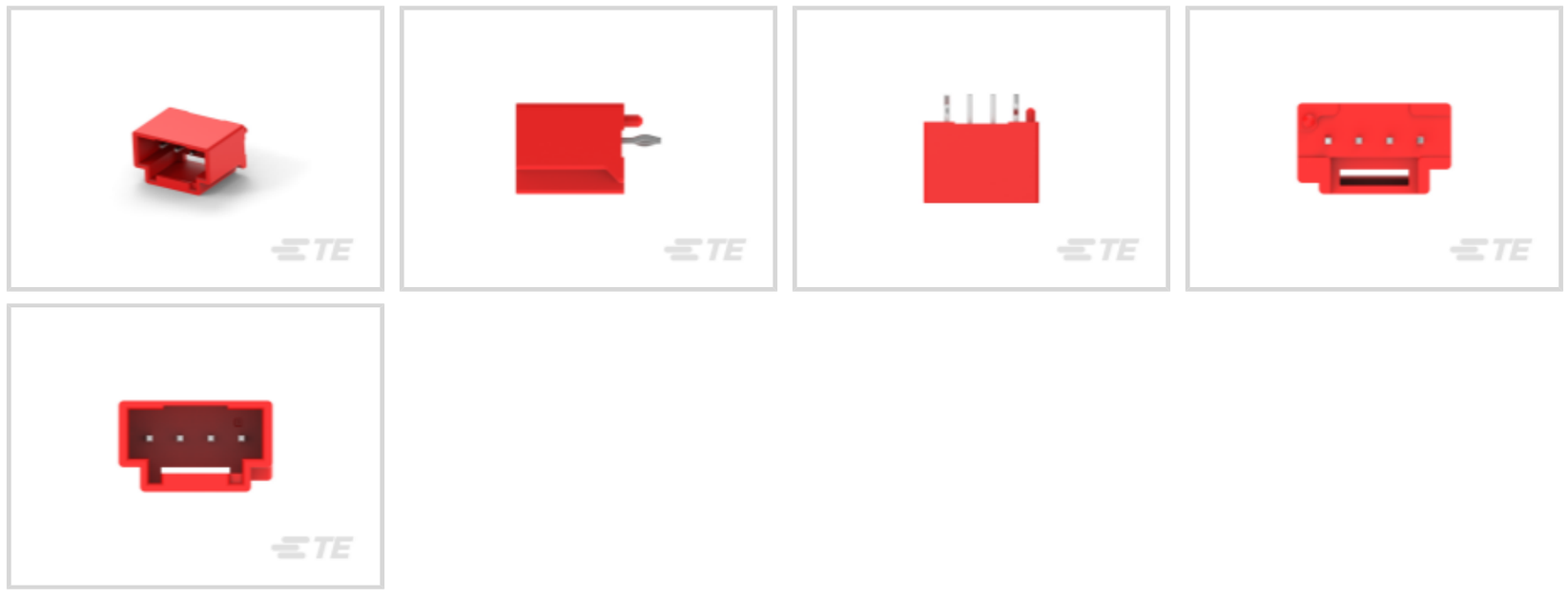
GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 4-1971798-3

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, GRACE INERTIA 2.5

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Glow Wire Sig GRACE INERTIA Header



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Centerline (Pitch): **2.5 mm [ .098 in ]**

All Glow Wire Sig GRACE INERTIA Header (39)

## Features

### Product Type Features

| | |
|---|---|
| Applied Pressure | Standard |
| PCB Connector Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Fully Shrouded |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| PCB Mount Orientation | Vertical |
| Number of Positions | 4 |
| Number of Rows | 1 |

### Body Features

| | |
|---|---|
| Connector Profile | Standard |

| | |
|---|---|
| Primary Product Color | Red |

## Contact Features

| | |
|---|---|
| Mating Square Post Dimension | .5 mm[.02 in] |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 1 µm[40 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Rectangular Termination Post & Tail Width | .5 mm[.02 in] |
| Rectangular Termination Post & Tail Thickness | .46 mm[.018 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Keyed, Polarization |
| Mating Retention Type | Locking |
| PCB Mount Alignment | With |
| Mating Retention | With |
| PCB Mount Retention | With |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Material | Nylon |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

## Operation/Application

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

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Method | Box |

## Product Compliance

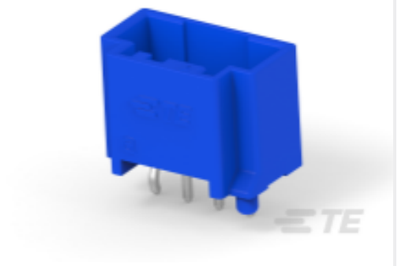
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| 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

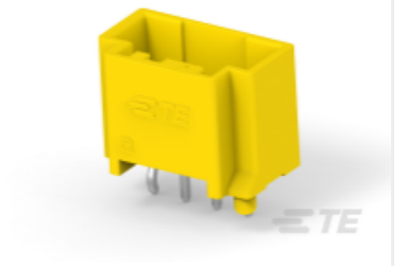
## Compatible Parts



TE Part # 4-1971800-2
NEW GI CONN2.5 HDR ASMBLY 4P BLU D1.5



TE Part # 4-1971798-5
NEW GI CONN2.5 HDR ASMBLY 4P BLK D1.0



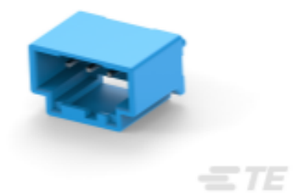
TE Part # 4-1971800-4
NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.5



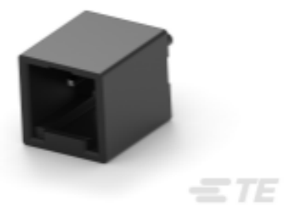
TE Part # 3-1971798-5
NEW GI CONN2.5 HDR ASMBLY 3P BLK D1.0



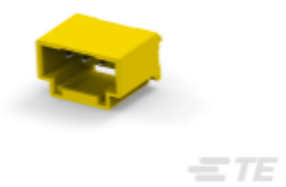
TE Part # 4-1971800-1
NEW GI CONN2.5 HDR ASMBLY 4P NC D1.5



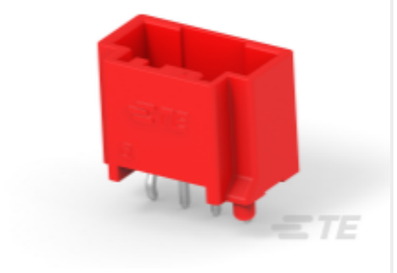
TE Part # 4-1971798-2
NEW GI CONN2.5 HDR ASMBLY 4P BLU D1.0



TE Part # 2-1971798-5
NEW GI CONN2.5 HDR ASMBLY 2P BLK D1.0



TE Part # 4-1971798-4
NEW GI CONN2.5 HDR ASMBLY 4P YLW D1.0



TE Part # 4-1971800-3
NEW GI CONN2.5 HDR ASMBLY 4P RED D1.5

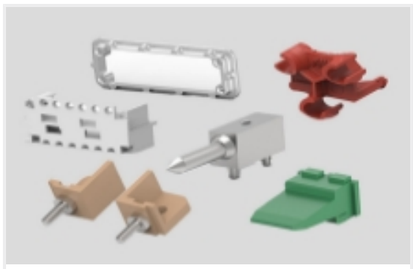


TE Part # 7-1971798-3
NEW GI CONN2.5 HDR ASMBLY 7P RED D1.0

## Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



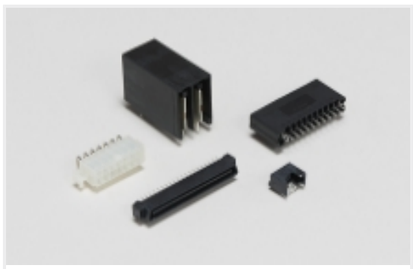
Power Contacts(2)



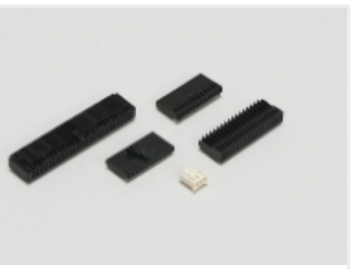
Rectangular Connector Housings(96)



Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)

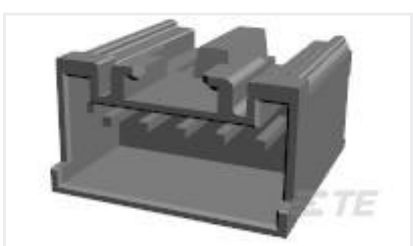


Wire-to-Board Connector Assemblies & Housings(36)

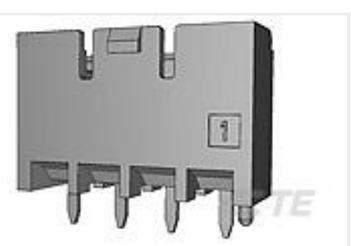
## Customers Also Bought



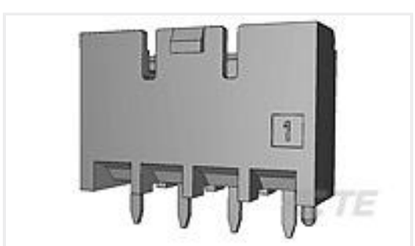
TE Part #179839-1
AMP POWER D/LOCK T/HDR ASSY 3P



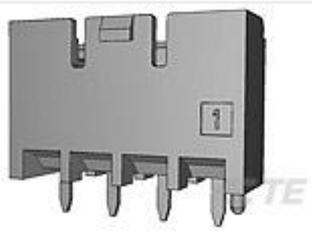
TE Part #917725-1
2.5 SIGNAL D/LOCK HDR ASSY 5P



TE Part #1376384-1
5mm B-T-W Conn. 4P HDR ASSEMBL



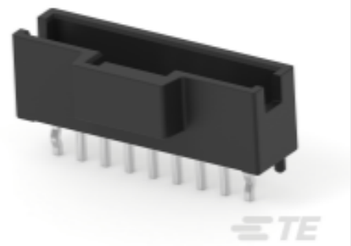
TE Part #1376385-1
5mm B-T-W Conn. 6P HDR ASSEMBL



TE Part #1376387-1
5mm B-T-W Conn. 6P(2row) HDR A



TE Part #1-1969688-4
PTL 1X4 PCB HEADER VERT HITEMP KEY A LGR



TE Part #4-2232826-9
SGI2.0 header assembly TH 9P,key B, BLK



TE Part #2358709-1
250 FASTON,TAB,TAPING AND REEL ASSY

TE Part #3-2452954-5
5P POTTED RAST 2.5 HEADER, SEL

TE Part #9-1971895-4
4P, RAST 5 TAB HEADER ASSY, THV

## Documents

### Product Drawings

NEW GI CONN2.5 HDR ASMBLY 4P RED D1.0

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1971798-3_E_c-4-1971798-3-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1971798-3_E_c-4-1971798-3-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1971798-3_E_c-4-1971798-3-e.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Product Specification

English

### Agency Approvals

UL Report

English