

1-2232532-6 ✓ ACTIVE



[RAST](#) | [RAST 5D](#)

TE Internal #: 1-2232532-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural, RAST 5D

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

Features

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Columns | 6 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 6 |
| Number of Rows | 1 |

Electrical Characteristics



| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

| | |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|---|---|
| Contact Underplating Material Thickness | 1.27 μm [50 μin] |
|---|---|

| | |
|--|-------|
| PCB Contact Termination Area Plating Material Finish | Matte |
|--|-------|

| | |
|--|--|
| Contact Mating Area Plating Material Thickness | 3.81 μm [150 μin] |
|--|--|

| | |
|------------------|-----------------|
| Mating Tab Width | 6.3 mm[.248 in] |
|------------------|-----------------|

| | |
|---|--|
| PCB Contact Termination Area Plating Material Thickness | 3.81 μm [150 μin] |
|---|--|

| | |
|----------------------|-------------|
| Contact Shape & Form | Rectangular |
|----------------------|-------------|

| | |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|

| | |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

| | |
|----------------------|----------------|
| Mating Tab Thickness | .8 mm[.032 in] |
|----------------------|----------------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|---|-------|
| Contact Mating Area Plating Material Finish | Matte |
|---|-------|

| | |
|--------------------------------------|-----|
| Contact Mating Area Plating Material | Tin |
|--------------------------------------|-----|

| | |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 16 A |
|------------------------------|------|

Termination Features

| | |
|--|----------------|
| Square Termination Post & Tail Dimension | .8 mm[.032 in] |
|--|----------------|

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|-----------------------|---------------------|
| Mating Alignment Type | Keyed, Polarization |
|-----------------------|---------------------|

| | |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
|--------------------------|----------------|

| | |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

| | |
|---------------------|------|
| PCB Mount Alignment | With |
|---------------------|------|

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

Housing Features

| | |
|------------------|-------|
| Housing Material | Nylon |
|------------------|-------|



Centerline (Pitch) 5 mm [.197 in]

Dimensions

| | |
|------------------|-------------------|
| Connector Width | 14.9 mm [.58 in] |
| Connector Height | 12.8 mm [.503 in] |
| Connector Length | 32.3 mm [1.27 in] |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 120 °C [-40 – 248 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|---|-----------|
| Compatible With Agency/Standards Products | UL |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|------------------|-------------|
| Packaging Method | Loose Piece |
|------------------|-------------|

Product Compliance

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

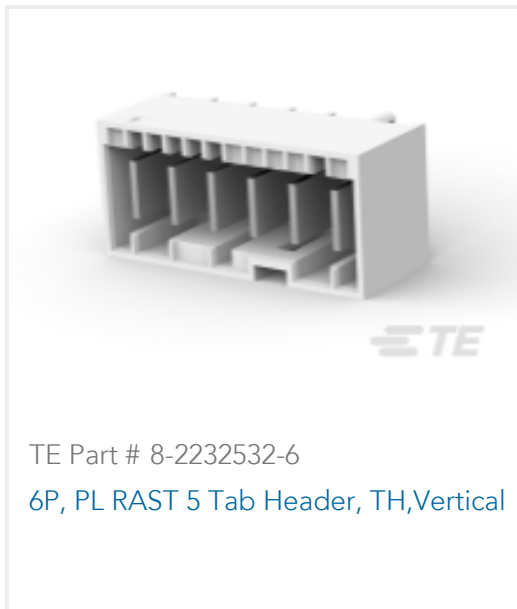
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

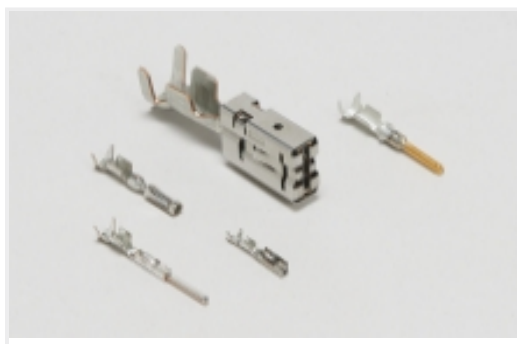
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | **RAST 5D**



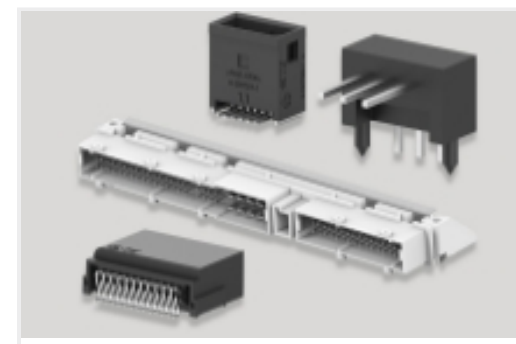
Automotive Terminals(5)



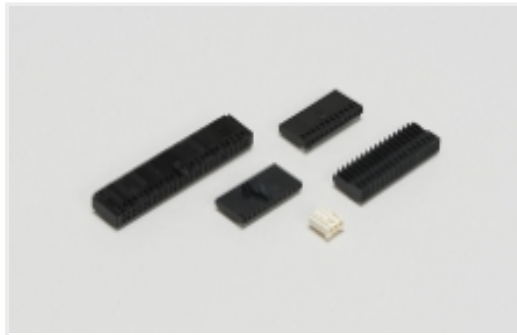
Connector Contacts(10)



Insertion & Extraction Tools(1)

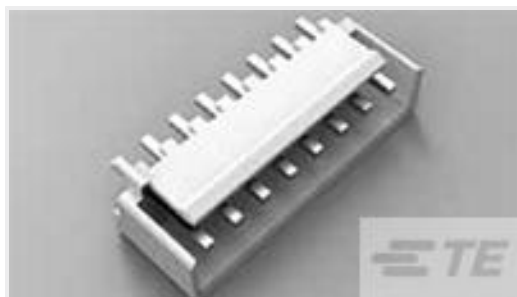


PCB Headers & Receptacles(69)



Wire-to-Board Connector Assemblies & Housings(79)

Customers Also Bought



TE Part #1-1877285-1
11P EP SHRD HDR ASMY, WHITE



TE Part #2232532-7
7P, PL RAST 5 Tab Header, TH,Vertical



TE Part #1-1744490-0
10P EP SHRD HDR ASMY, BLACK



TE Part #1-2336678-9
SGI2.0 RA SMT HDR ASSY 9P,key A, NTL



TE Part #1744483-3
03P EP SHRD HDR ASMY, ORANGE



TE Part #1744484-4
04P EP SHRD HDR ASMY, YELLOW



TE Part #1744485-5
05P EP SHRD HDR ASMY, GREEN



TE Part #2-2338245-3
EP2.5 HDR 3P VERT BOSS,BLUE,UL



TE Part #2-1423091-1
T9AV1L22-12



TE Part #2071229-6
T9AV5L22-12

Documents



Product Drawings

[6P, PL RAST 5 Tab Header, TH,Vertical](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2232532-6_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2232532-6_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2232532-6_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[RAST Connector System Catalog](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English