

521384-8 ✓ ACTIVE



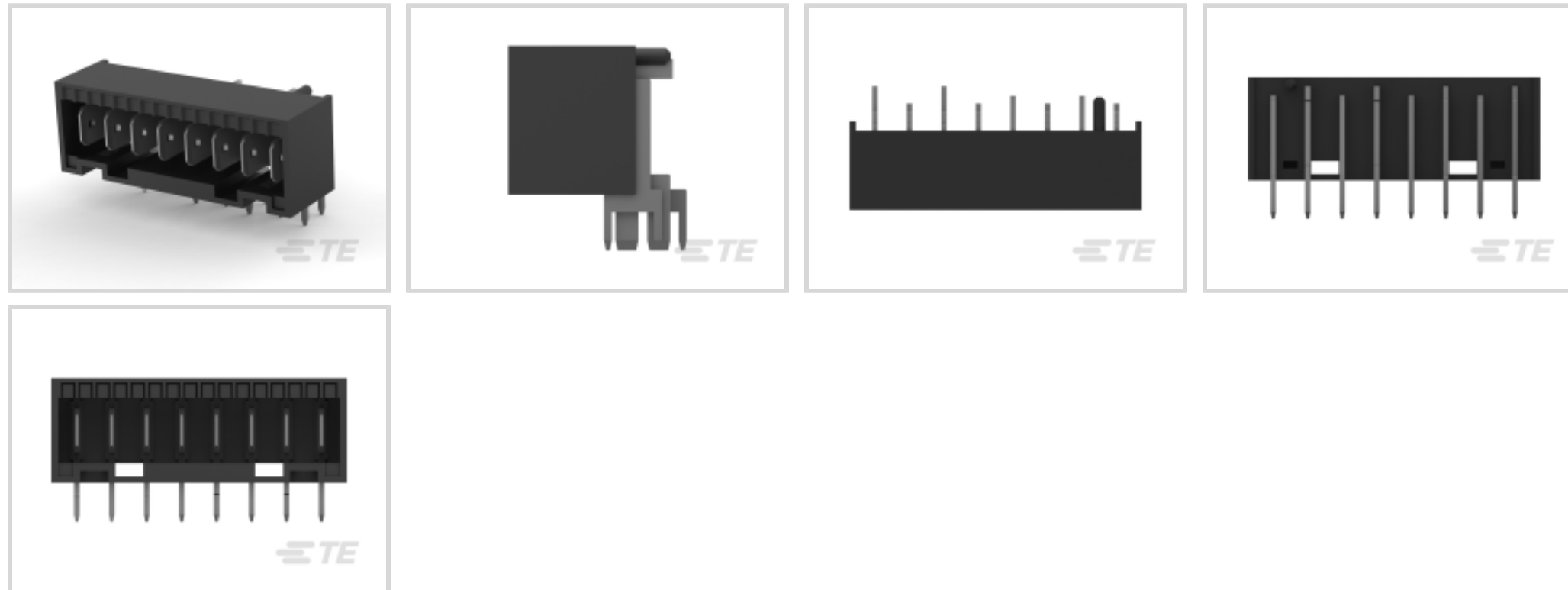
RAST | RAST 5 IDC Connectors

TE Internal #: 521384-8

PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, RAST 5 IDC Connectors

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **8**

Number of Rows: **1**

Centerline (Pitch): **5 mm [.197 in]**

PCB Mount Orientation: **Right Angle**

## 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

|                                       |                |
|---------------------------------------|----------------|
| Keying & Polarized Position Locations | 2D, 3C, 6D, 7C |
| Number of Positions                   | 8              |
| Number of Rows                        | 1              |
| PCB Mount Orientation                 | Right Angle    |

### Electrical Characteristics

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

### Body Features

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



### Contact Features

|   |   |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3.8 $\mu\text{m}$ [149.6 $\mu\text{in}$ ] |
| Contact Layout  | Inline                                    |
| Mating Tab Width  | 6.3 mm[.248 in]                           |
| Mating Tab Thickness                                    | .8 mm[.032 in]                            |
| Contact Underplating Material Thickness                 | 1.3 $\mu\text{m}$ [51.18 $\mu\text{in}$ ] |
| Contact Mating Area Plating Material Thickness          | 3.8 $\mu\text{m}$ [149.6 $\mu\text{in}$ ] |
| PCB Contact Termination Area Plating Material Finish    | Matte                                     |
| Contact Mating Area Plating Material Finish             | Matte                                     |
| Contact Underplating Material                           | Nickel                                    |
| PCB Contact Termination Area Plating Material           | Tin                                       |
| Contact Base Material                                   | Brass                                     |
| Contact Mating Area Plating Material                    | Tin                                       |
| Contact Type  | Tab                                       |
| Contact Current Rating (Max)                            | 16 A                                      |

### Termination Features

|   |                       |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .8 mm[.032 in]        |
| Rectangular Termination Post & Tail Width     | .8 mm[.032 in]        |
| Termination Post & Tail Length                | 3.8 mm[.149 in]       |
| Termination Method to Printed Circuit Board   | Through Hole - Solder |

### Mechanical Attachment

|                          |                     |
|--------------------------|---------------------|
| PCB Mount Alignment Type | Boss                |
| Mating Alignment Type    | Keyed, Polarization |
| Mating Retention         | With                |
| Connector Mounting Type  | Board Mount         |
| Mating Alignment         | With                |
| PCB Mount Alignment      | With                |
| PCB Mount Retention      | Without             |

### Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | Nylon 6/6     |
| Centerline (Pitch) | 5 mm[.197 in] |

### Dimensions



|                             |                  |
|-----------------------------|------------------|
| Connector Length            | 42.3 mm[1.66 in] |
| Connector Height            | 14.9 mm[.59 in]  |
| Connector Width             | 17.9 mm[.705 in] |
| PCB Thickness (Recommended) | 1.5 mm[.059 in]  |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 56  |
| Packaging Type     | 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 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.  |
| Solder Process Capability                     | Wave solder capable to 265°C  |

#### Product Compliance Disclaimer

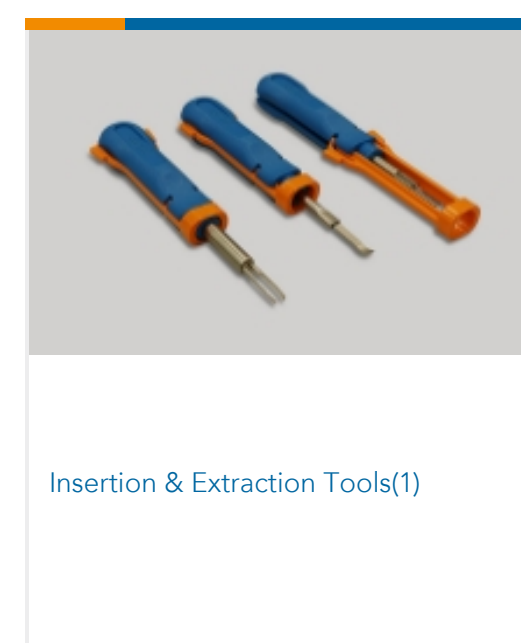
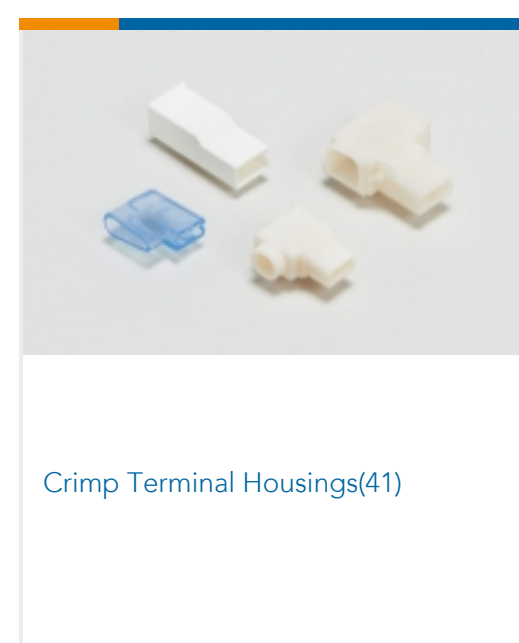
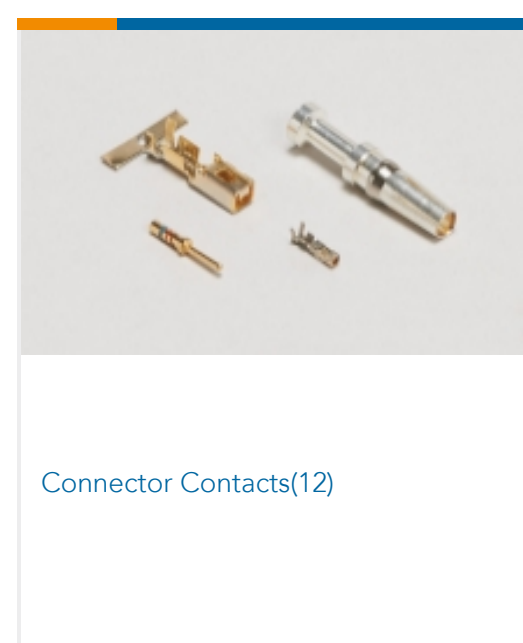
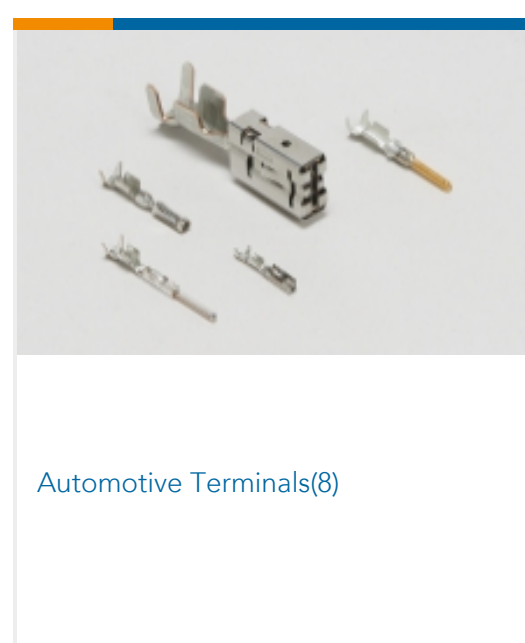
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

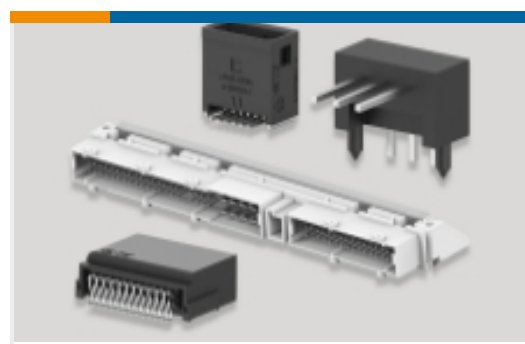
## Compatible Parts



## Also in the Series | RAST 5 IDC Connectors



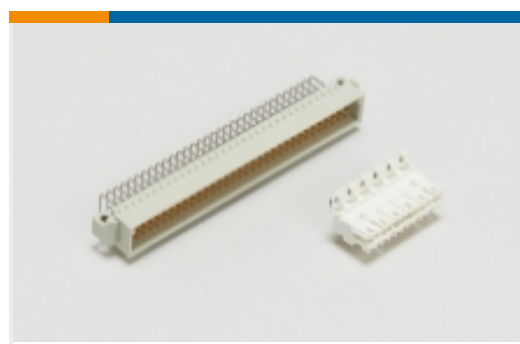




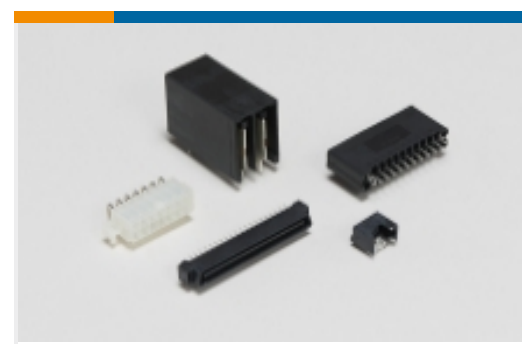
PCB Headers & Receptacles(417)



Rectangular Connector Housings(1)



Standard Edge Connectors(34)



Standard Rectangular Connectors(68)

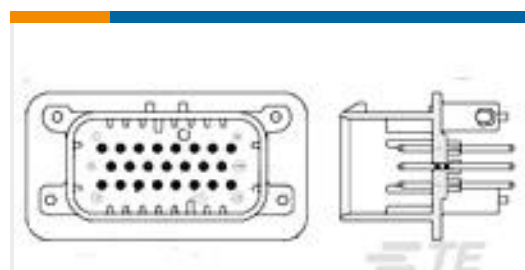


Wire-to-Board Connector Assemblies & Housings(214)

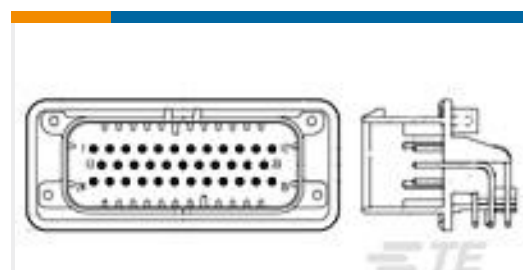


Wire-to-Board Connector Contacts(2)

## Customers Also Bought



TE Part #1-776231-4  
35POS,PIN DIA 1.3,HDR ASSY,  
180DEG,COD 4



TE Part #1-776163-2  
35POS,PIN DIA 1.3,HDR ASSY,90DEG,  
COD 2



TE Part #640715-1  
06P UMNL STR/REL



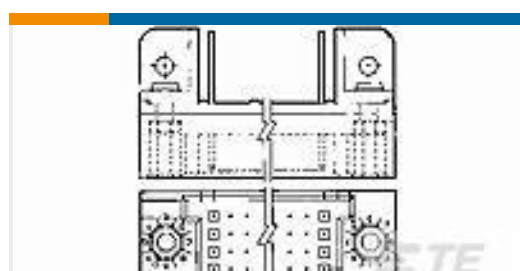
TE Part #172169-1  
9 CIR UNIV M-N-L PLUG



TE Part #41532  
250 FASTON FLAG REC 18-12 AWG  
TPBR



TE Part #1925219-9  
TMN2N037PC2DM018S = M32139/03-  
F05SNS



TE Part #533286-1  
HDI PIN ASSY 4 ROW 100 POS R/A



TE Part #4-1618413-9  
EV600HSANM = CONTACTOR, SPST-  
NO 24V COIL

## Documents

### Product Drawings

[ASSY PL R/A RAST5 HEADER 08-D](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_521384-8\\_D.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_521384-8\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_521384-8\\_D.3d\\_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_521384-8\\_C.3d\\_igs.zip](#)

English

Customer View Model

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English

Customer View Model

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English

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

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### Datasheets & Catalog Pages

[FASTON PCB Tabs and Receptacles](#)

English

[PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS](#)

English

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### Product Specifications

[Product Specification](#)

English

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### Agency Approvals

[VDE Certificate](#)

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