

1-282003-1 ✓ ACTIVE

[RAST](#) | [RAST 5 IDC Connectors](#)

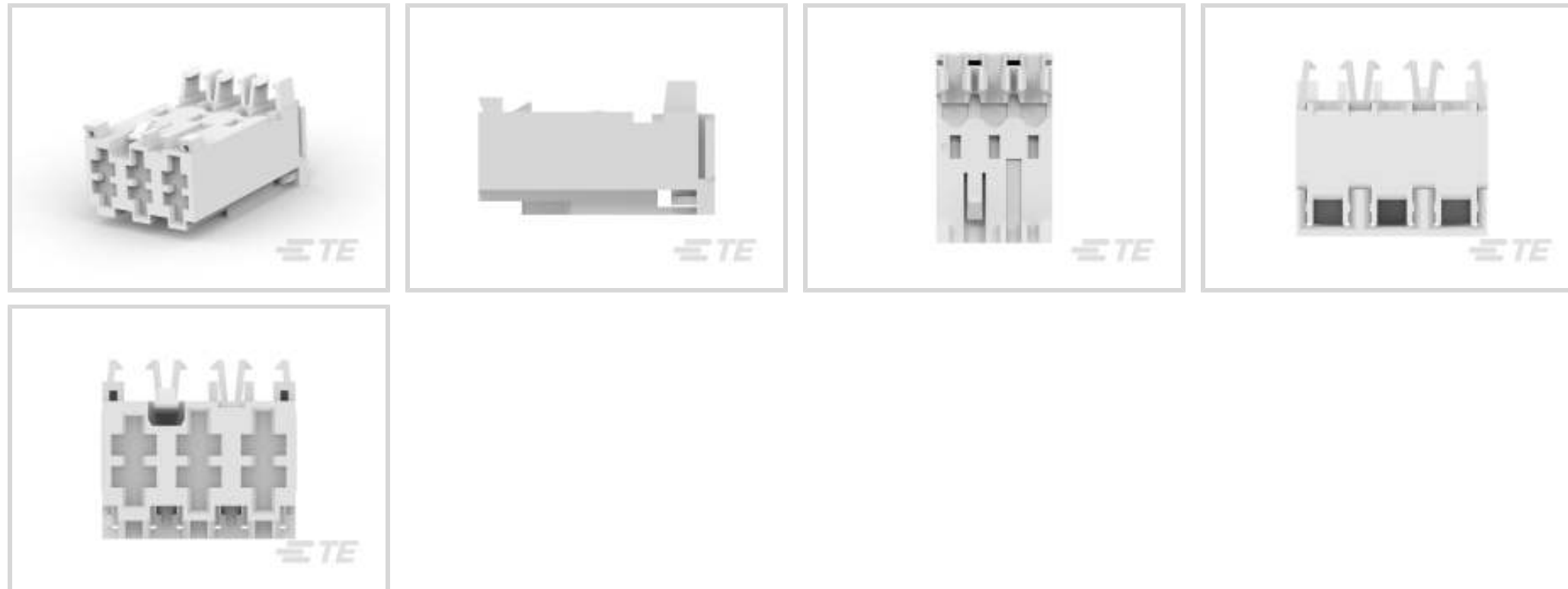
TE Internal #: 1-282003-1

Standard Rectangular Connectors, Connector Assembly,  
Receptacle, Mating Alignment, Polarization Mating Alignment  
Type, RAST 5 IDC Connectors

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[Connectors](#) > [Rectangular Connectors](#) > [Standard Rectangular Connectors](#)



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

## Features

### Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Stranded           |
| Connector Product Type             | Connector Assembly |
| Connector & Housing Type           | Receptacle         |
| Connector System                   | Wire-to-Board      |
| Sealable                           | No                 |
| Connector & Contact Terminates To  | Wire & Cable       |

### Configuration Features

|                     |     |
|---------------------|-----|
| Number of Cavities  | 3   |
| Contacts Preloaded  | Yes |
| Number of Positions | 3   |
| Number of Rows      | 1   |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 380 VAC |
|-------------------|---------|

### Contact Features



|  |            |
|--|------------|
| Contact Type                                   | Receptacle |
| Wire Contact Termination Area Plating Material | Tin        |
| Contact Mating Area Plating Material           | Tin        |
| Contact Retention Within Housing               | With       |
| Contact Current Rating (Max)                   | 16 A       |

### Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment        | With                       |
| Mating Alignment Type   | Polarization               |
| Mating Retention        | With                       |
| Mating Retention Type   | Locking Latch              |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA 6.6        |
| Housing Color      | Orange        |
| Centerline (Pitch) | 5 mm[.197 in] |

### Dimensions

|                  |                          |
|------------------|--------------------------|
| Connector Height | 24.5 mm[.964 in]         |
| Product Width    | 14 mm[.55 in]            |
| Product Length   | 14.9 mm[.59 in]          |
| Wire Size        | .5 – 1.5 mm <sup>2</sup> |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -25 – 105 °C[-13 – 221 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |       |
|---------------------|-------|
| Shielded            | No    |
| Circuit Application | Power |

### Industry Standards

|                        |            |
|------------------------|------------|
| UL Rating              | Recognized |
| Agency/Standard        | UL, VDE    |
| Approved Standards     | UL E28476  |
| UL Flammability Rating | UL 94V-2   |



### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not applicable for solder process capability  |

#### Product Compliance Disclaimer

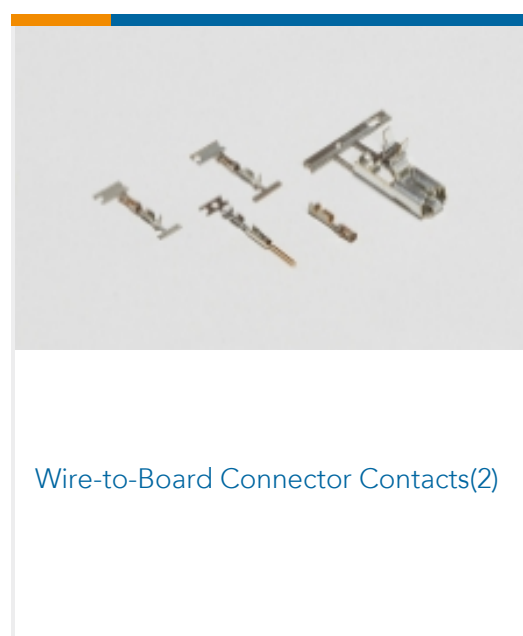
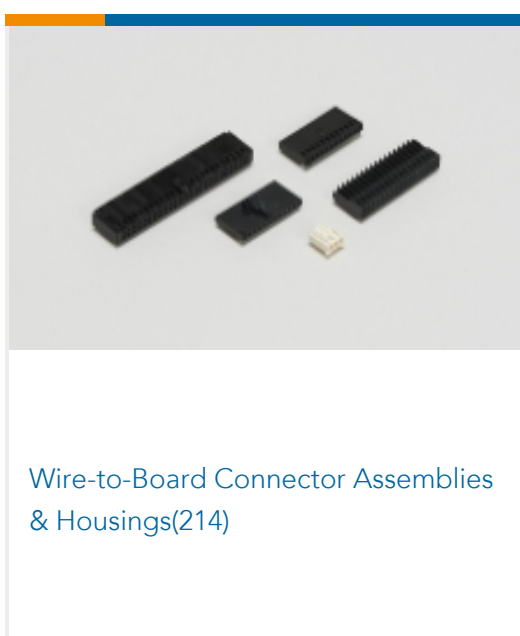
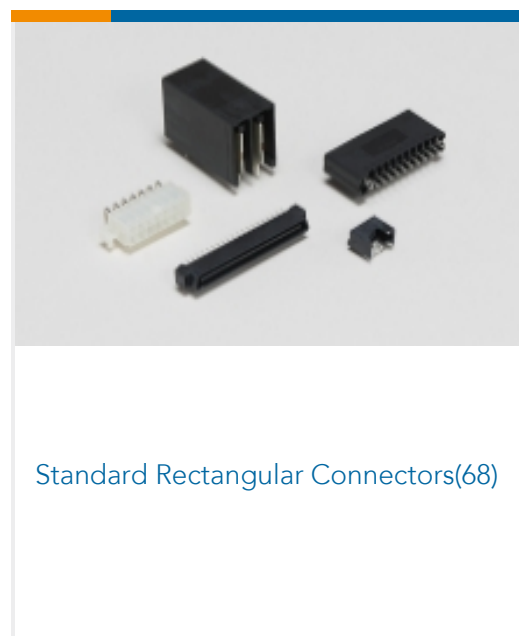
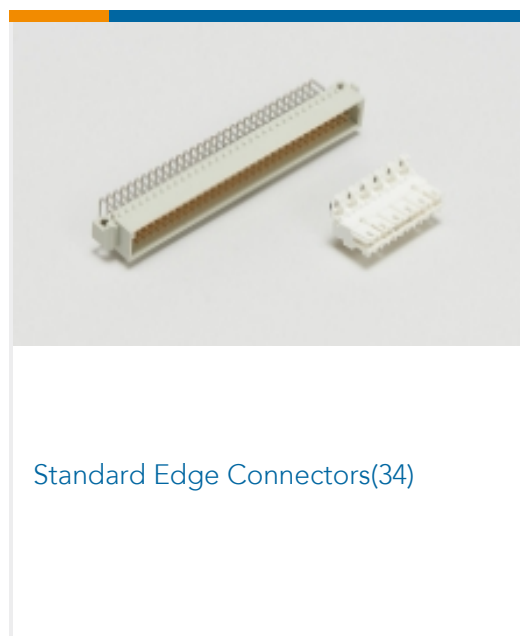
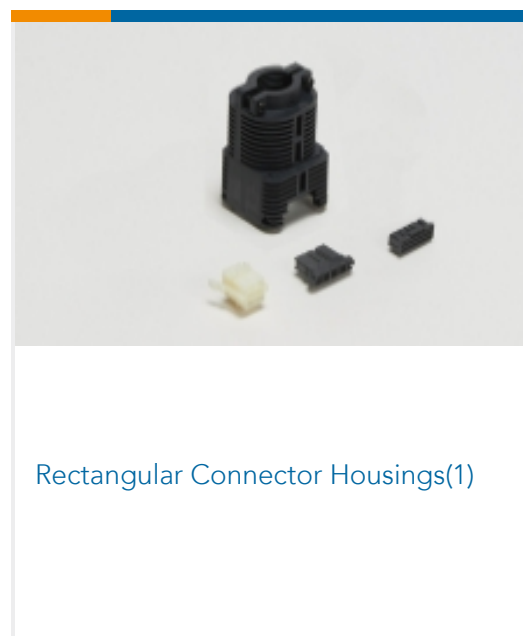
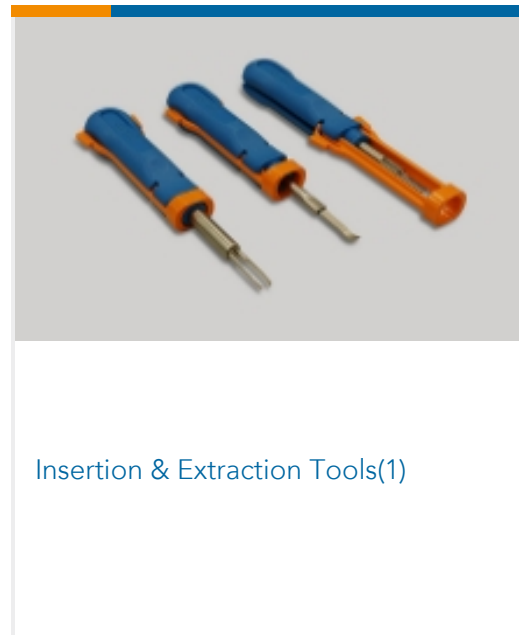
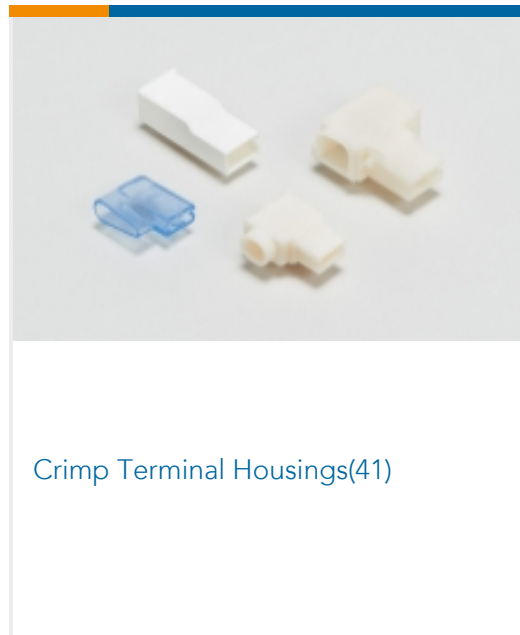
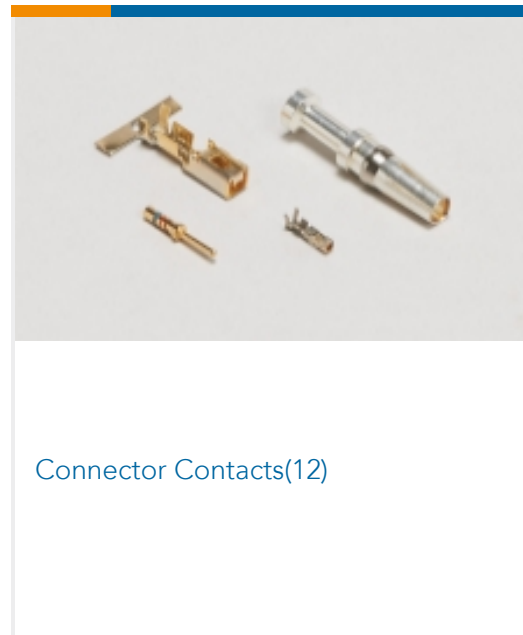
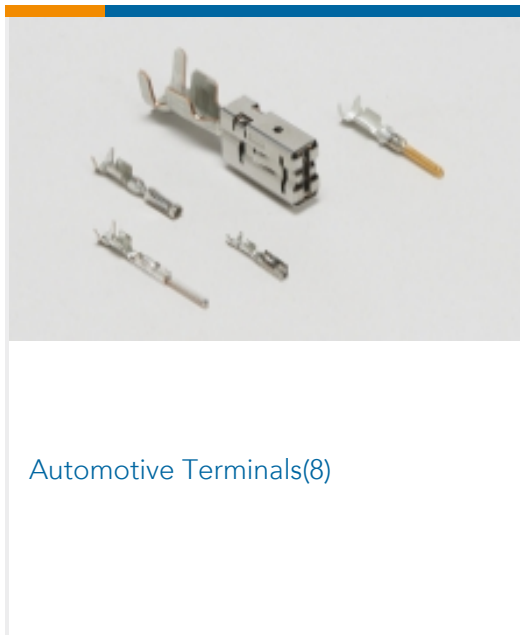
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

|  |  |   |   |
|--|--|---|---|
|  <p>TE Part # 1-282003-2<br/>AMP MONO-SHAPE TAB CONN 3P. GL</p> |  <p>TE Part # 1-282003-3<br/>AMP MONO-SHAPE TAB CONN 3P. GL</p> |  <p>TE Part # 1-282003-6<br/>AMP MONO-SHAPE TAB CONN</p> |  <p>TE Part # 1-282003-7<br/>AMP MONO-SHAPE TAB CONN</p> |
|--|--|---|---|

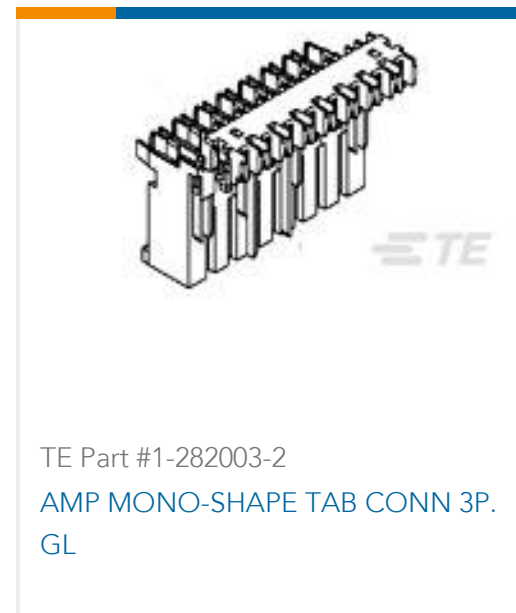


Also in the Series | RAST 5 IDC Connectors



Customers Also Bought





## Documents

### Product Drawings

#### MONO-SHAPE TAB CONN 3P. ASSY

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-282003-1\\_V.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-282003-1\\_V.3d\\_igs.zip](#)

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#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-282003-1\\_V.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### 1654742\_HOUSEHOLD\_APPLIANCES\_RAST5

English

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### TE Material Declaration



English