

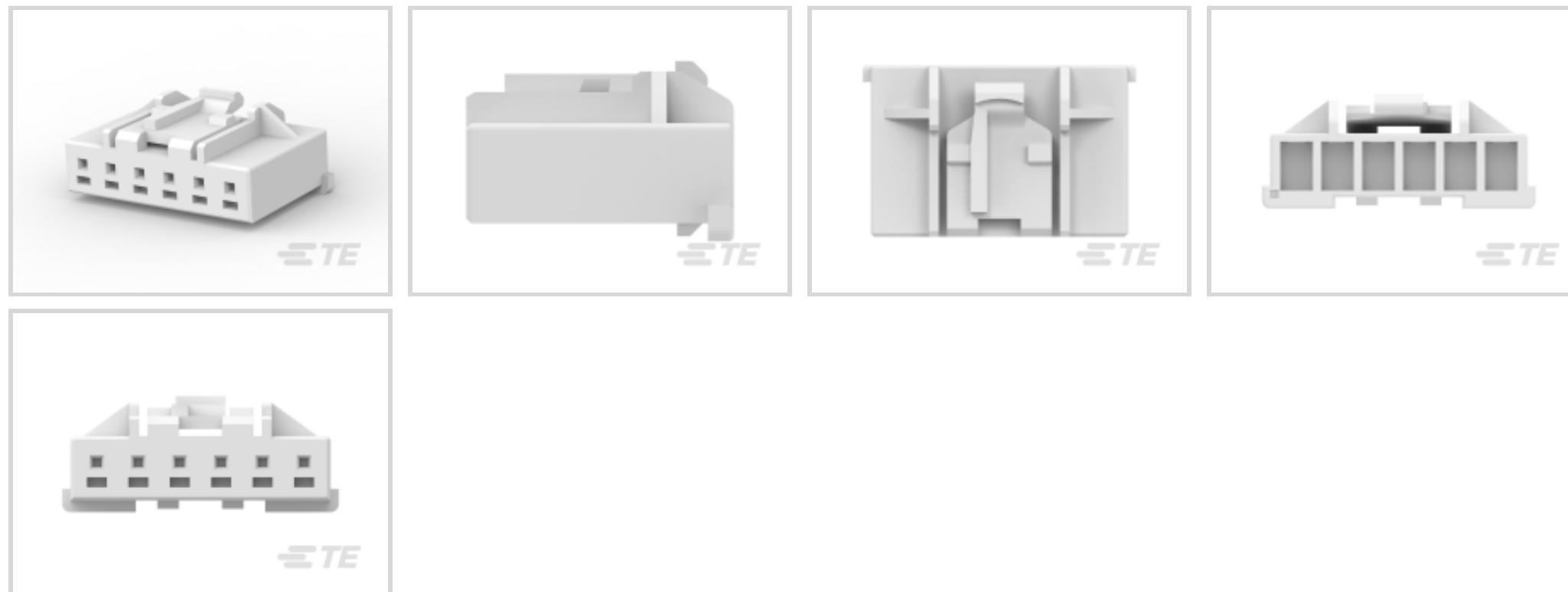
6-1971793-1

✓ ACTIVE

GRACE INERTIA 2.5

TE Internal #: 6-1971793-1

Housing, Plug, Wire-to-Wire, 6 Position, 2.5 mm [.098 in] Centerline,
Crimp, 1 Row, Natural, Mating Retention, Wire & Cable, GRACE
INERTIA 2.5

[View on TE.com >](#)[Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings >](#)[Glow Wire Sig GRACE INERTIA Plug](#)Connector Product Type: **Housing**Connector & Housing Type: **Plug**Connector System: **Wire-to-Wire**Number of Positions: **6**Centerline (Pitch): **2.5 mm [.098 in]**[All Glow Wire Sig GRACE INERTIA Plug \(20\)](#)**Features****Product Type Features**

| | |
|-----------------------------------|--------------|
| Connector Product Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 6 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Body Features

Connector & Keying Code

A

Primary Product Color

Natural

Contact Features

Contact Retention Within Housing

Without

Contact Layout

Inline

Contact Type

Tab

Contact Base Material

Copper Alloy

Contact Current Rating (Max)

3 A

Termination Features

Termination Method to Wire & Cable

Crimp

Mechanical Attachment

Strain Relief

Without

Panel Mount Feature

Without

PCB Mount Retention

Without

Mating Retention Type

Latch

Mating Retention

With

Connector Mounting Type

Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration

Both Ends Closed

Housing Material

PA 66 GF

Centerline (Pitch)

2.5 mm [.098 in]

Dimensions

Connector Length

15.7 mm [.618 in]

Connector Height

5.88 mm [.231 in]

Wire Size

.081 – .326 mm²**Usage Conditions**

Operating Temperature Range

-30 – 105 °C [-22 – 221 °F]

Operation/Application

Circuit Application

Power & Signal

Industry Standards

Glow Wire Rating

Glow Wire

UL Flammability Rating

UL 94V-0

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 400 |
| Packaging Method | Bag & 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 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 |

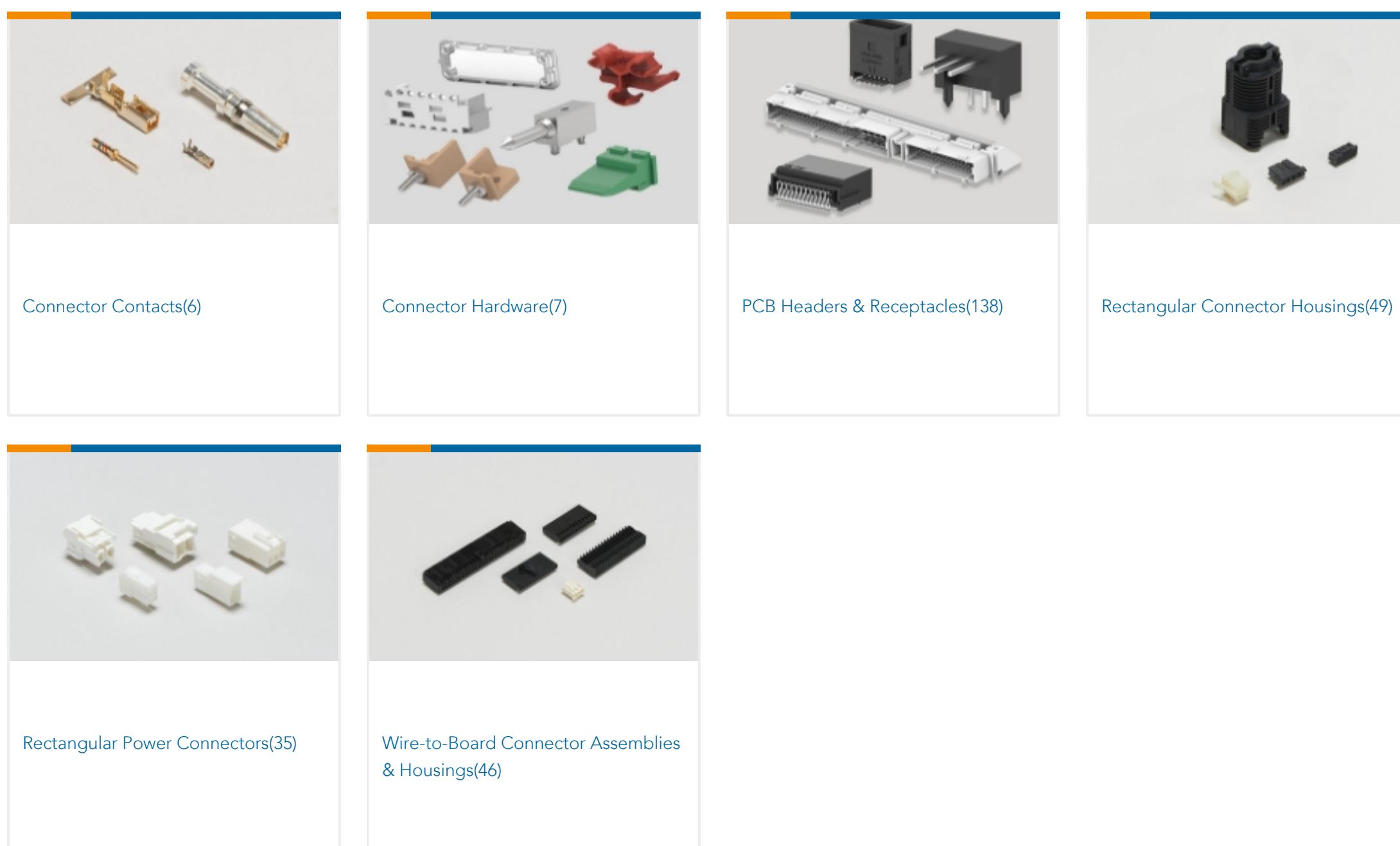
Product Compliance Disclaimer

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>

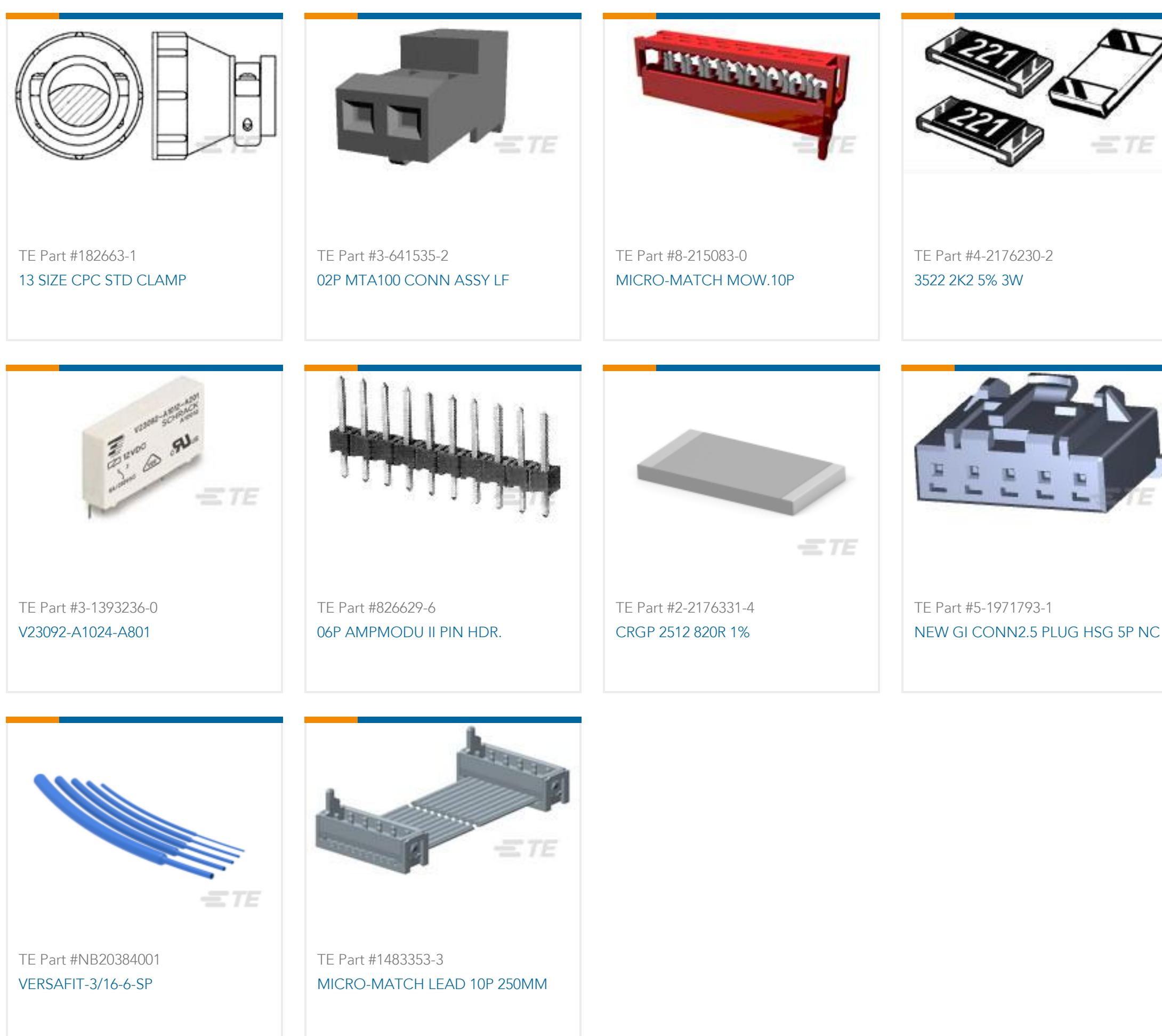
Compatible Parts



Also in the Series | **GRACE INERTIA 2.5**



Customers Also Bought



Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 6P NC

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6-1971793-1_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971793-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971793-1_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

5-1773465-3-GI2.5Flyer

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

Product Specifications

Product Specification

English