

1971030-8

✓ ACTIVE

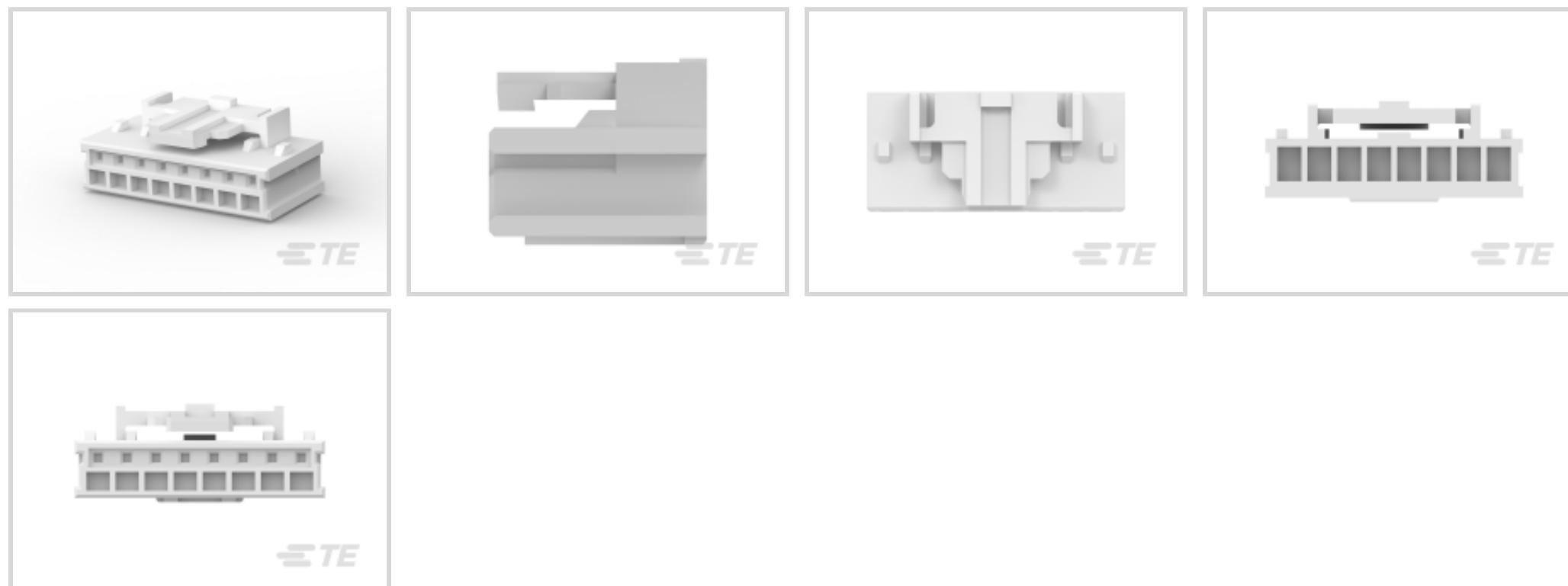
## GRACE INERTIA 2.0

TE Internal #: 1971030-8

Wire-to-Board, 8 Position, 2 mm [.079 in] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.0, Rectangular Connector Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings > STD Temp Sig GRACE INERTIA Plug



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

Number of Positions: **8**

Centerline (Pitch): **2 mm [.079 in]**

Number of Rows: **1**

Housing Material: **Nylon 66 GF**

[All STD Temp Sig GRACE INERTIA Plug \(63\)](#)

## Features

### Product Type Features

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

### Configuration Features

|                     |   |
|---------------------|---|
| Number of Cavities  | 8 |
| Number of Positions | 8 |
| Number of Rows      | 1 |

### Electrical Characteristics

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

### Contact Features

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

Contact Type

Socket

**Mechanical Attachment**

Connector Mounting Type

Cable Mount (Free-Hanging)

**Housing Features**

Housing Color

Natural

Centerline (Pitch)

2 mm [.079 in]

Housing Material

Nylon 66 GF

**Dimensions**

Connector Height

7.9 mm [.311 in]

Product Width

6.75 mm [.266 in]

Product Length

17.2 mm [.677 in]

**Usage Conditions**

Operating Temperature Range

-30 – 105 °C [-22 – 221 °F]

**Operation/Application**

Halogen Free

No

Circuit Application

Signal

**Identification Marking**

Circuit Identification Feature

Without

**Industry Standards**

Compatible With Agency/Standards Products

UL

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

200

Packaging Method

Package

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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 &gt; 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

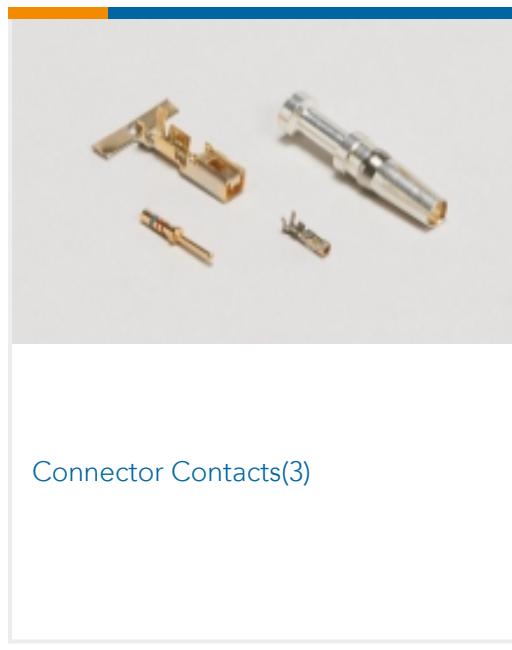


TE Part # CAT-G7534A-P729  
STD Temp Sig GRACE INERTIA Plug



TE Part # 2367943-8  
GI2.0EV VT SMT Potting HDR, NTL, Key A, 8P

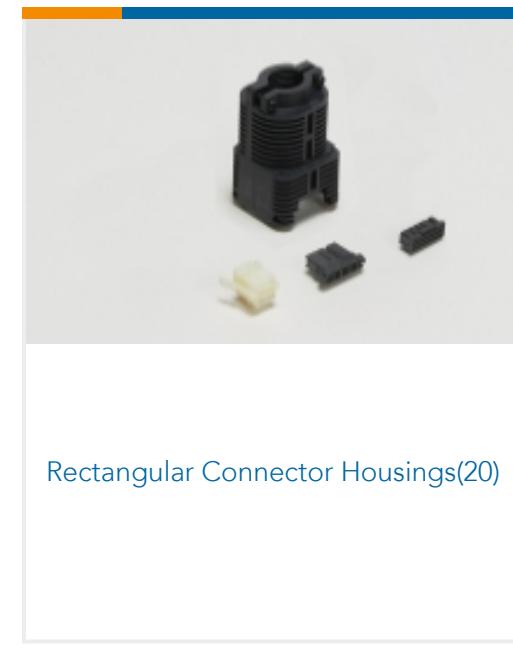
## Also in the Series | GRACE INERTIA 2.0



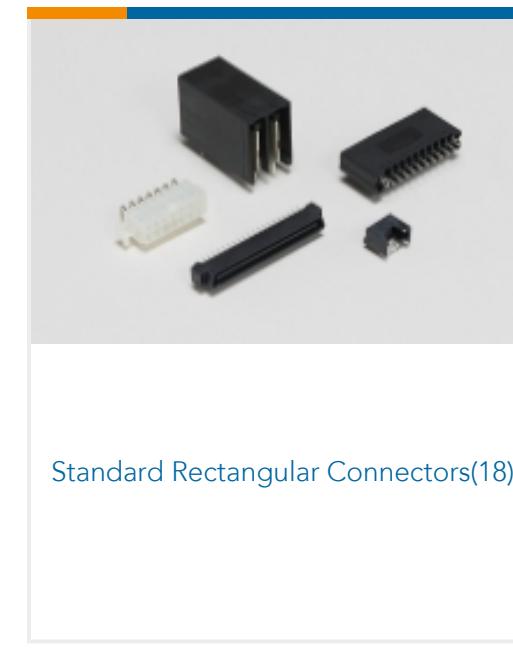
Connector Contacts(3)



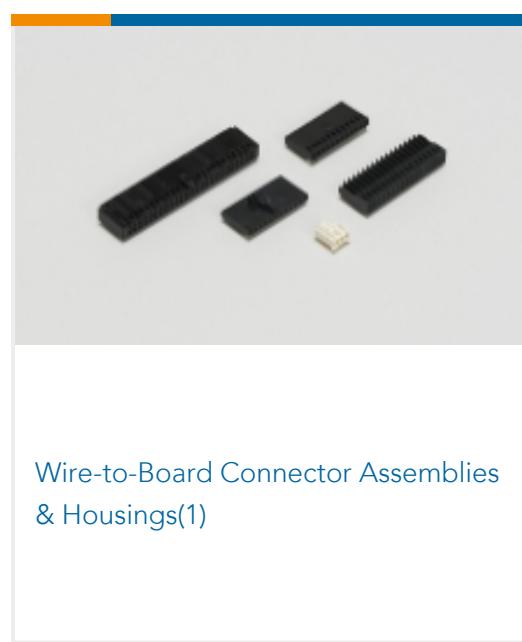
PCB Headers & Receptacles(70)



Rectangular Connector Housings(20)



Standard Rectangular Connectors(18)



Wire-to-Board Connector Assemblies &amp; Housings(1)

## Customers Also Bought

TE Part #172520-5  
5P 2.5MM MINI AMP-IN HDR HSGTE Part #62253-2  
250 FASTON REC 14-10 TPBRTE Part #179975-1  
250 PL EX REC. 15-10AWG PTBRTE Part #172782-5  
LOW PROFILE MINI AMP-INTE Part #42563-2  
250 FASTON FLAG REC 12-10 AWG  
TPBRTE Part #175024-1  
250 PL EX REC. 15-10AWG PTBRTE Part #1971030-9  
9POS Plug Housing for GIC 2.0 EV  
SeriesTE Part #1-172131-1  
FF 250 CAP HSG 3P NYLON NAT

## Documents

### Product Drawings

[8POS Plug Housing for GIC 2.0 EV Series](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1971030-8\\_F\\_c-1971030-8-f.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1971030-8\\_F\\_c-1971030-8-f.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1971030-8\\_F\\_c-1971030-8-f.3d\\_stp.zip](#)

English

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

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**Product Specifications**

**Application Specification**

English