

1747069-1 ✓ ACTIVE

Grace Inertia | GRACE INERTIA 2.0

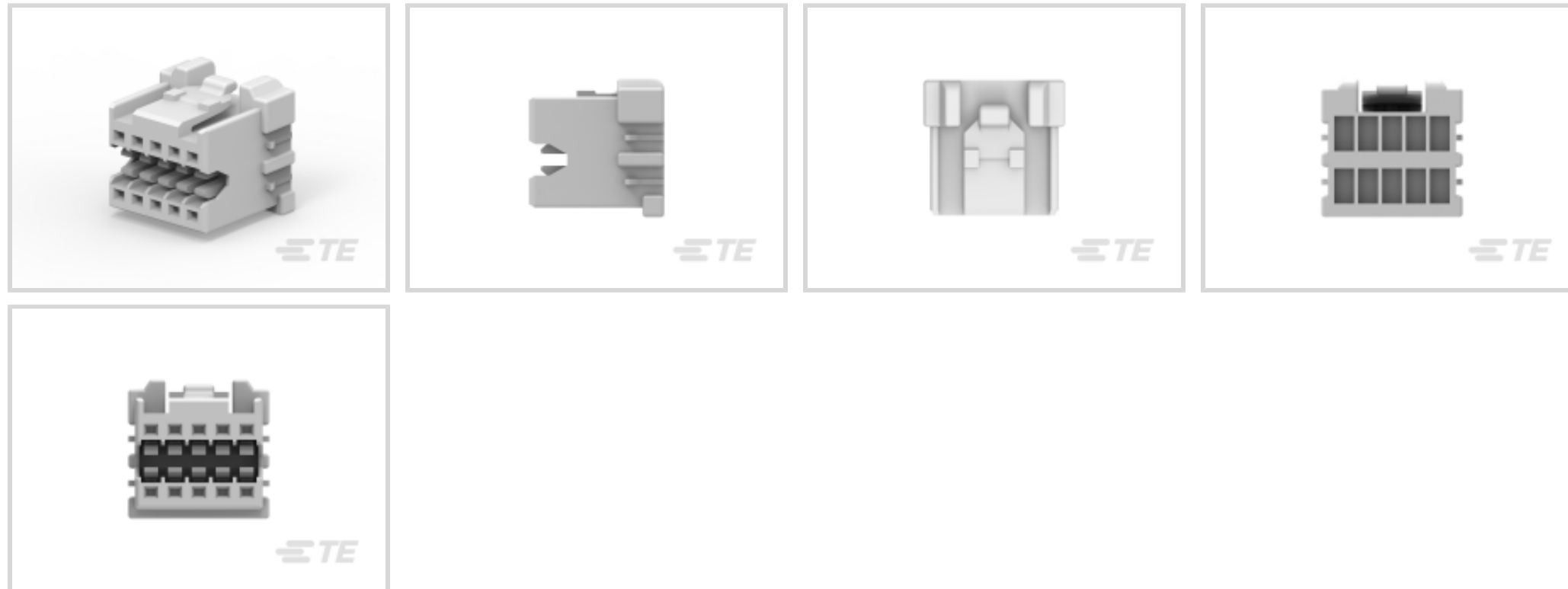
TE Internal #: 1747069-1

GRACE INERTIA 2.0, Housing, Plug, Wire-to-Wire, 10 Position,  
2mm [.079in] Centerline, Crimp, 2 Row, Row-to-Row Spacing .205 in  
[5.2 mm]

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **10**

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

## 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	10
Number of Rows	2

### Electrical Characteristics

Operating Voltage	50 VAC
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### Contact Features

Contact Type	Socket
Contact Base Material	Copper Alloy



### Termination Features

Termination Method to Wire & Cable	Crimp
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### 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 Open
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	2 mm [.079 in]
Housing Color	Natural

### Dimensions

Connector Length	11.8 mm [.464 in]
Connector Height	11.6 mm [.456 in]
Row-to-Row Spacing	5.2 mm [.205 in]

### Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	500
Packaging Method	Bag

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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




TE Part # CAT-G7534A-R2435  
Sig GRACE INERTIA Receptacle




TE Part # 1747070-1  
GRACE INERTIA CONN 2.0 HDR ASSY  
10P NATU


### Also in the Series | GRACE INERTIA 2.0




Rectangular Connector Housings(20)



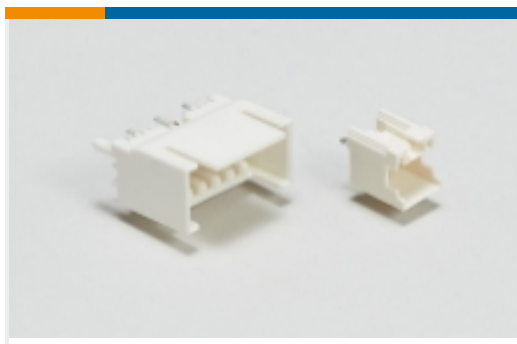
Standard Rectangular Connectors(18)



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



Wire-to-Board Connector Contacts(3)

Wire-to-Board Headers & Receptacles  
(70)

## Customers Also Bought

TE Part #0462-209-16141  
DEUTSCH SOLID CONTACTSTE Part #W6P  
DEUTSCH DT WEDGELOCKSTE Part #114017-ZZ  
DEUTSCH SEALING PLUGSTE Part #1-480698-0  
02P UMNL PLUG HSG NATLTE Part #1-1376477-6  
2.5MM PITCH SIGNAL MATE CONNTE Part #1-174587-5  
PL MK2 2P 187 HOUSING  
RECEPTACLE GREENTE Part #172074-4  
POSITIVE LOCK 187 HOUSING  
RECEPTACLE

## Documents

### Product Drawings

[GRACE INERTIA CONN 2.0 PLUG HSG 10P NATU](#)

Japanese

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1747069-1\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1747069-1\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1747069-1\\_E.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

### Product Specification

Japanese

### GRACE INERTIA CONNECTOR 2.0

Japanese

### .040II Series Pair Mate Connector for Wire-to-Board Termination

Japanese

### Product Specification

Japanese

### Product Specification

Japanese

### GRACE INERTIA CONNECTOR 2.0

Japanese

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## Product Environmental Compliance

### Product Compliance

English

### Product Compliance

English