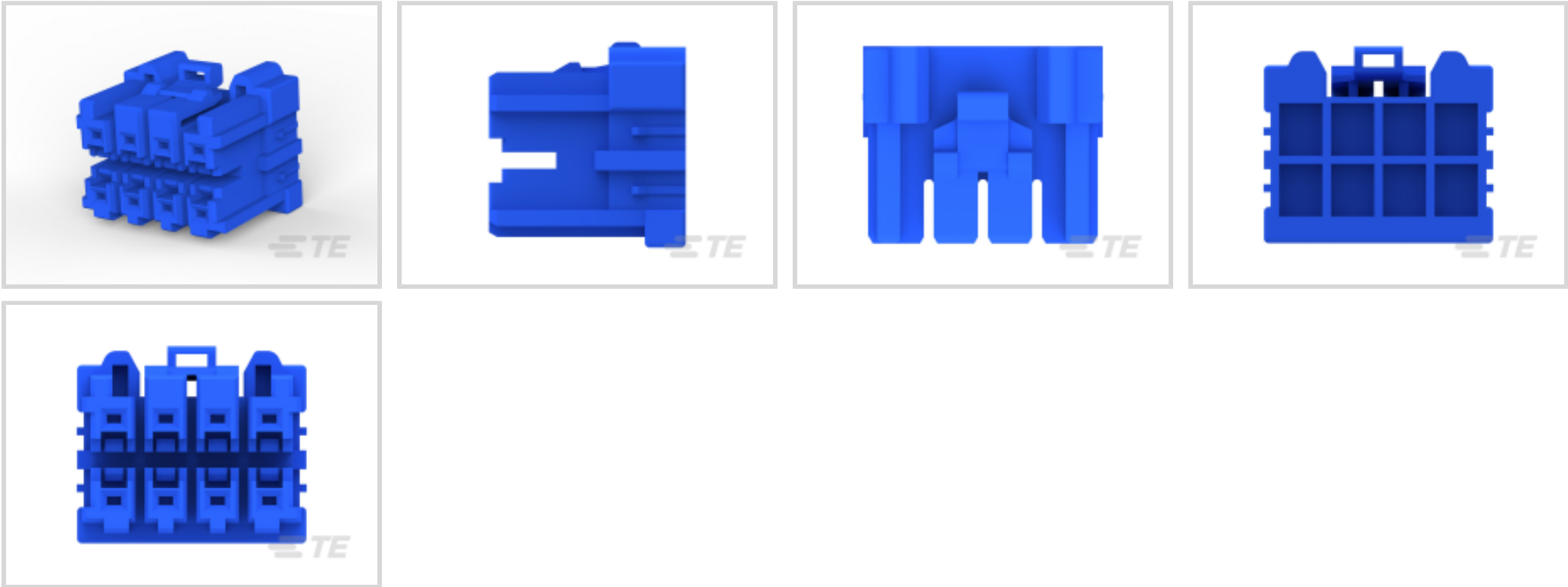




Connectors > Rectangular Connectors > Standard Rectangular Connectors > Glow Wire GRACE INERTIA Plug



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Contact Mating Area Plating Material: **Tin (Sn)**
Contact Retention Within Housing: **With**

[All Glow Wire GRACE INERTIA Plug \(78\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	8
Number of Rows	2
Number of Power Positions	8
Number of Signal Positions	8

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Blue
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Contact Features

Multiple Contact Types	Without
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Current Rating (Max)	4 A
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	3.3 mm[.129 in]
Housing Material	Nylon 6/6 GF

Dimensions

Row-to-Row Spacing	5.2 mm[.205 in]
Wire Size	414.44 – 1045.97 CMA

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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Identification Marking

Circuit Identification Feature	Without
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	1500
Packaging Method	Bag



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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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-G7534-T669
GRACE INERTIA TPA



TE Part # 1871567-1
GIC 3.3 PLUG HOUSING 6POS 1ROW

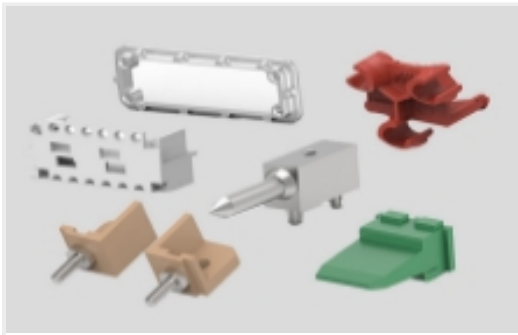


TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug

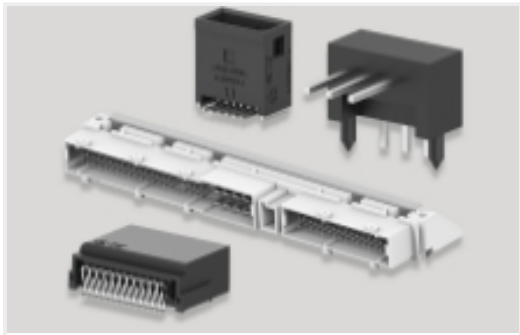
Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)



PCB Headers & Receptacles(36)



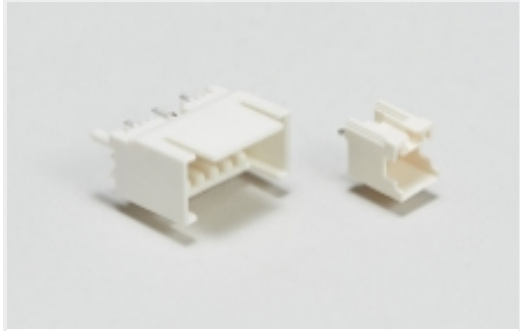
Power Contacts(3)



Rectangular Power Connectors(70)



Wire-to-Board Connector Assemblies & Housings(34)

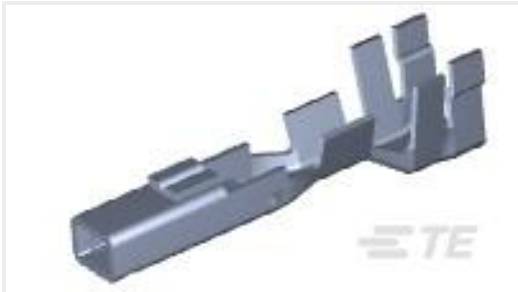


Wire-to-Board Headers & Receptacles (36)

Customers Also Bought



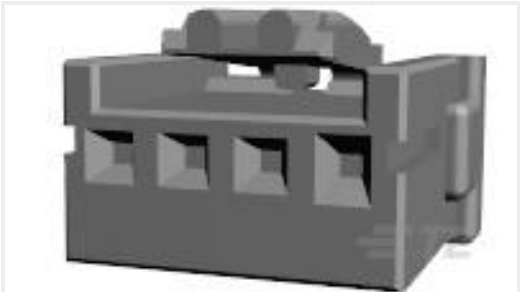
TE Part #175022-1
250 PL EX REC. 18-14AWG PTBR



TE Part #177914-1
AMP POWER DBL LOCK REC (S)



TE Part #177917-1
AMP POWER DBL LOCK TAB (L)



TE Part #917688-1
SIGNAL DOUBLE LOCK PLUG HSG 4P NATURAL



TE Part #1-1123823-1
EP IP PLUG NATURAL



TE Part #CAT-P8704-P729
STD Temp Power Key Plug



TE Part #CAT-G7534-R2435
GRACE INERTIA Receptacle



TE Part #1747047-1
GRACE INERTIA CONNECTOR 6.5 3POS PLUG HO

Documents

Product Drawings

GIC 3.3 PLUG HOUSING 8P

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1827387-3_E.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2-1827387-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1827387-3_E.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

Japanese

[GRACE INERTIA CONNECTOR 3.3 CONTACT](#)

Japanese

Agency Approvals

[UL Report](#)

English