

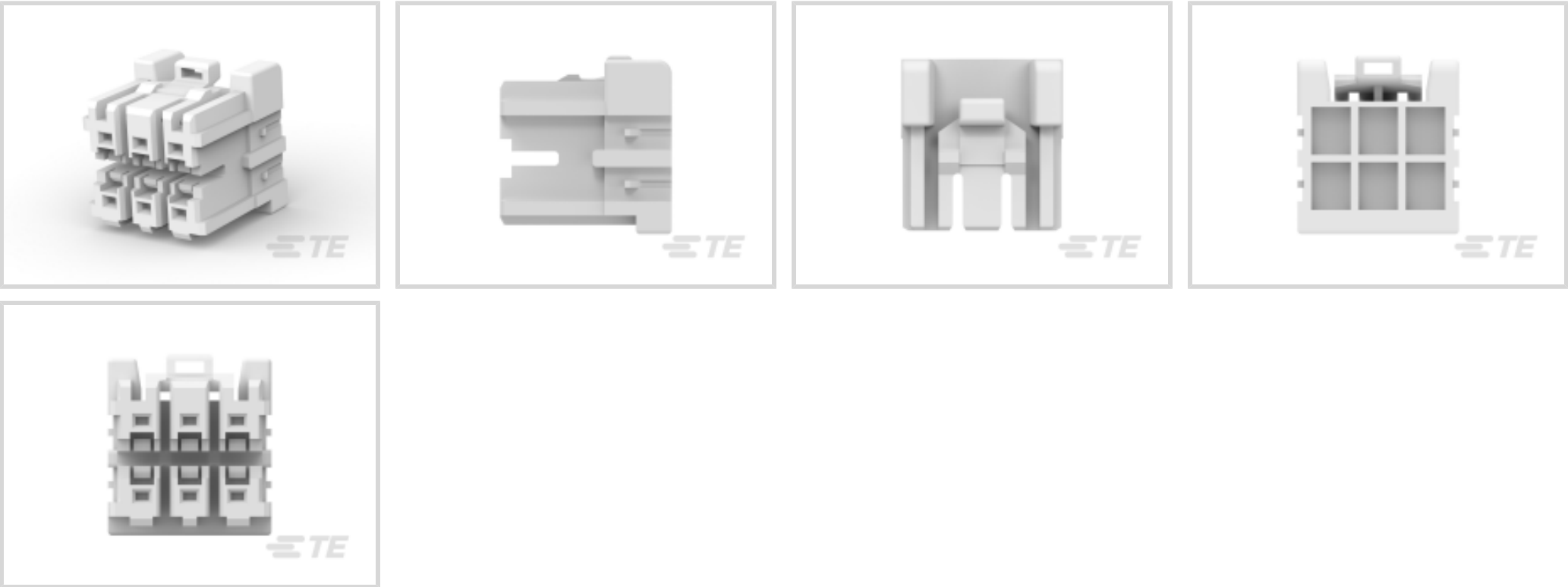


GRACE INERTIA 3.3

TE Internal #: 1827386-1
Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 6
Position, 3.3 mm [.129 in] Centerline, Wire & Cable, UL 94V-0,
GRACE INERTIA 3.3

[View on TE.com >](#)

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



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Centerline (Pitch): **3.3 mm [.129 in]**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Power Positions	6
Number of Signal Positions	2
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	4 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
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

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Inertia Locking, Latch, Locking Latch

Housing Features

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

Dimensions

Wire Size	414.44 – 1045.97 CMA
Row-to-Row Spacing	5.2 mm[.205 in]
Height	12.5 mm[.491 in]
Length	11.3 mm[.444 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

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	2000

Other

For Use With	Header Assembly
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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-P729A
Glow Wire GRACE INERTIA Plug

TE Part # 1827392-1
GIC 3.3 HDR ASSY 6P

TE Part # CAT-G7534-T669
GRACE INERTIA TPA

TE Part # 1827395-2
GIC 3.3 REC CONTACT TIN PLATE

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

Also in the Series | GRACE INERTIA 3.3

PCB Latches, Locks & Retainers(7)

Power Contacts(3)

Rectangular Connector Locking(8)

Rectangular Power Connectors(69)

Documents

Product Drawings
GIC 3.3 PLUG HOUSING 6P
English

CAD Files
Customer View Model
ENG_CVM_CVM_1827386-1_E.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1827386-1_E.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1827386-1_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

Product Environmental Compliance

MD_1827386-1_0104201607_dmtec

English

MD_1827386-1_0104201607_dmtec

English