2-1827385-1 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 3.3

TE Internal #: 2-1827385-1

Housing, Plug, Crimp, Wire-to-Board, Tin (Sn), UL 94V-0, 4 Position, GRACE INERTIA 3.3, Rectangular Wire & Cable Connectors & Housings

View on TE.com >

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







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Termination Method to Wire & Cable: **Crimp**

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

Contact Mating Area Plating Material: **Tin (Sn)**

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 Power Positions	4
Number of Signal Positions	4
Number of Positions	4
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Blue

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Width	11.7 mm
Wire Size	24 – 20 AWG
Row-to-Row Spacing	5.2 mm[.205 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	Without

Industry Standards

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

Packaging Features

Packaging Method	Bag

Packaging Quantity	3000

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1871567-1
GIC 3.3 PLUG HOUSING 6POS 1ROW



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

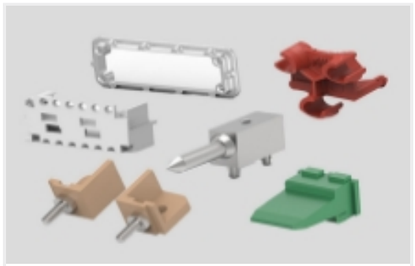


TE Part # 1871819-1
GIC 3.3 4P DBL LOCK PLATE(2-ROW, M-TYPE)

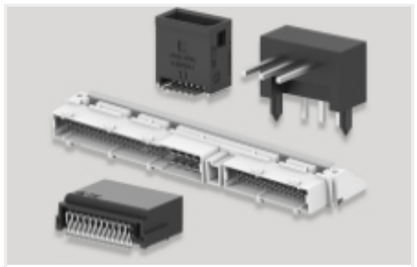
Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)



PCB Headers & Receptacles(36)



Power Contacts(3)

Rectangular Connector Housings(34)

Rectangular Power Connectors(70)

Wire-to-Board Headers & Receptacles (36)

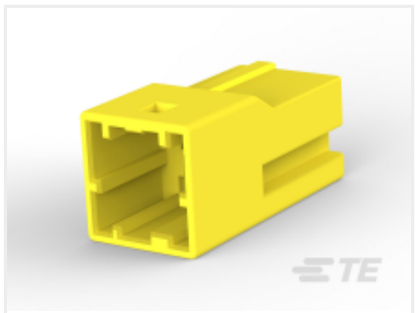
Customers Also Bought



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



TE Part #179938-4
POWER D/LOCK PLUG HSG 3P /6.5



TE Part #CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



TE Part #CAT-G7534-C1701
STD Temp GRACE INERTIA Cap



TE Part #2-1565083-3
GRACE INERTIA CONNECTOR 3.5 4P



TE Part #2232569-1
GIC 2.5 W PLUG HSG 4P NATURAL



TE Part #4-1565081-2
GIC 3.5W 2P PLUG F

Documents

Product Drawings

GIC 3.3 PLUG HSG BLUE

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1827385-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1827385-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1827385-1_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

Agency Approvals

UL Report

English