



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



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Mating Alignment: **With**
Mating Alignment Type: **Keyed**
Mating Retention: **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 Signal Positions	3
Number of Power Positions	3
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Connector & Keying Code	A
Primary Product Color	Natural

Contact Features

Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Current Rating (Max)	9 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

Housing Material	Nylon 6/6 GF
Centerline (Pitch)	6.5 mm[.255 in]

Dimensions

Wire Size	24 – 16 AWG
Connector Height	9.5 mm[.373 in]
Connector Length	18.6 mm[.731 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	1000
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: 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 # 1376348-1
5MM POWER KEY CONN REC CONT M



TE Part # 3-2232876-1
GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS



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



TE Part # 1376348-2
5MM POWER KEY CONN REC CONT M



TE Part # 1747049-1
GRACE INERTIA CONNECTOR 6.5 3POS HEADER

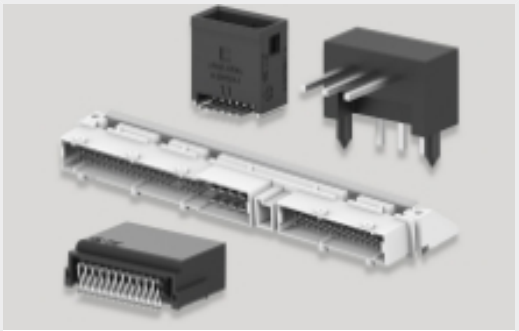


TE Part # 2-2232876-1
GIC6.0MM CONNECTOR HEAD HOUSING ASS 2POS



TE Part # 1376347-1
5MM POWER KEY CONN REC CONT L

Also in the Series | GRACE INERTIA 6.5



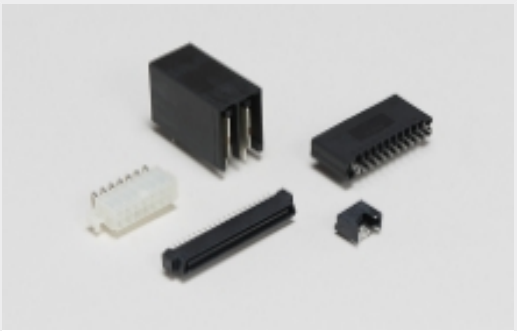
PCB Headers & Receptacles(1)



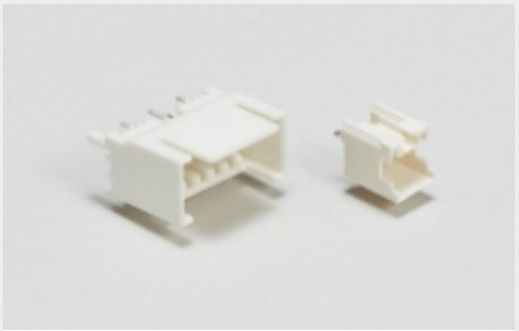
Rectangular Connector Housings(1)



Rectangular Power Connectors(2)



Standard Rectangular Connectors(1)



Wire-to-Board Headers & Receptacles (1)

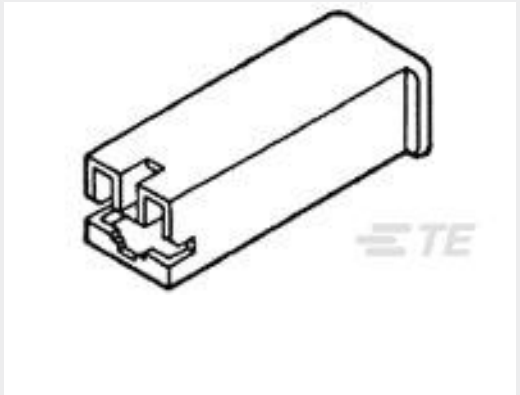
Customers Also Bought



TE Part #1746971-1
GRACE INERTIA CONNECTOR 6.2 MM PITCH REC



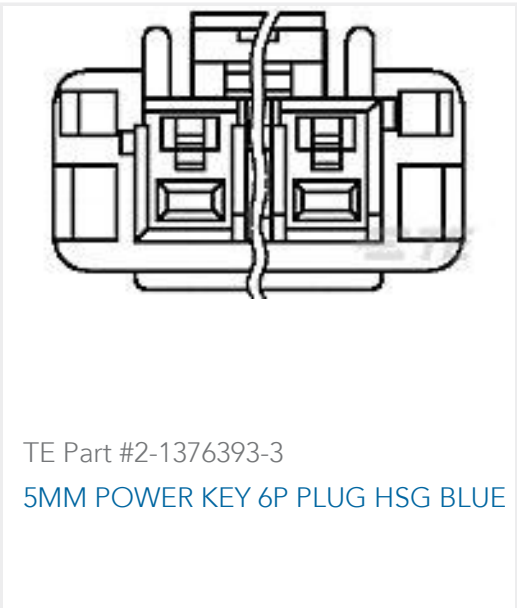
TE Part #1376348-1
5MM POWER KEY CONN REC CONT M



TE Part #2-172076-1
250 HSG. PL MKII REC. NAT



TE Part #176272-2
AMP UNIVERSAL POWER PLUG 3P



TE Part #2-1376393-3
5MM POWER KEY 6P PLUG HSG BLUE



TE Part #1-172131-1
FF 250 CAP HSG 3P NYLON NAT



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



TE Part #170329-1
250 PL MKII REC. 15-10AWG PTBR



TE Part #1747063-1
GRACE INERTIA CONN 2.5 REC CON



TE Part #1-172127-1
FF 250 REC HSG 1P NYLON NAT

Documents

Product Drawings

GRACE INERTIA CONNECTOR 6.5 3POS PLUG HO

English

CAD Files

Customer View Model

ENG_CVM_CVM_1747047-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747047-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747047-1_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Application Specification

English