2-1971905-7 ✔ ACTIVE

Grace Inertia | GRACE INERTIA 3.3

TE Internal #: 2-1971905-7

GRACE INERTIA 3.3, Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 14 Position, 3.3mm [.129in] Centerline, Wire & Cable, UL 94V-0

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: **14**

Centerline (Pitch): **3.3 mm [.129 in]**

All Glow Wire GRACE INERTIA Plug (79)

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	14
Number of Power Positions	14
Number of Signal Positions	14
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Multiple Contact Types	Without
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	2 µm[78.73 µin]

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	3.3 mm[.129 in]
Housing Color	Blue
Housing Material	PA 66 GF

Dimensions

Wire Size	414.44 – 1045.97 CMA
Row-to-Row Spacing	5.2 mm[.205 in]
Width	12.4 mm

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	Without

Industry Standards

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	800

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 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 reviewed for solder process capability

Product Compliance Disclaimer

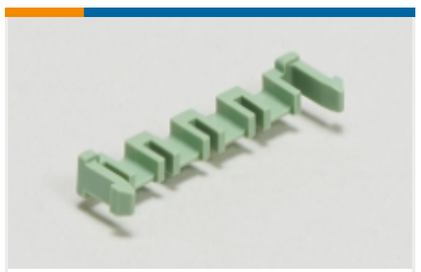
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

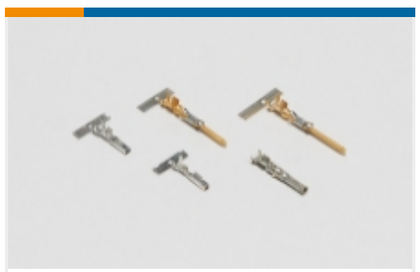


TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug

Also in the Series | GRACE INERTIA 3.3



PCB Latches, Locks & Retainers(6)



Power Contacts(1)

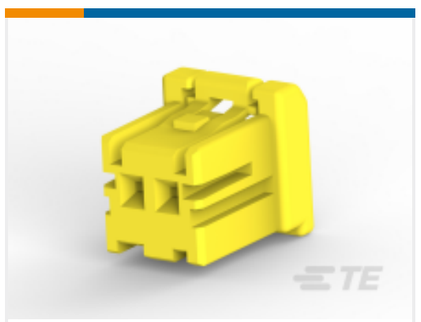


Rectangular Connector Locking(8)

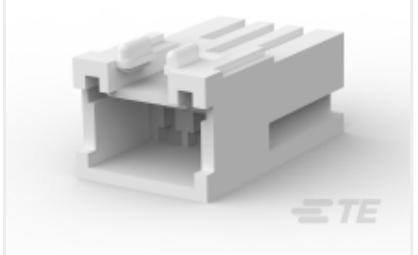


Rectangular Power Connectors(61)

Customers Also Bought



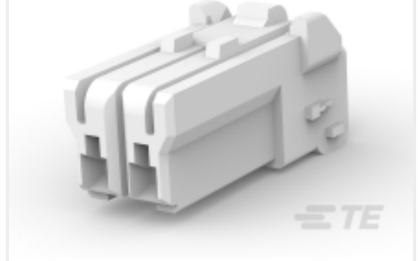
TE Part #3-1903388-4
STD Temp Sig GRACE INERTIA Plug



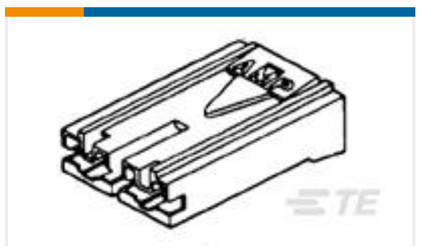
TE Part #316086-9
STD Temp Signal Double Lock Cap



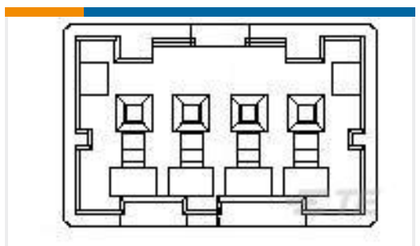
TE Part #917686-9
STD Temp Signal Double Lock Plug



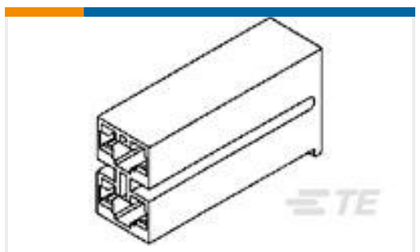
TE Part #2-1827386-1
Glow Wire GRACE INERTIA Plug



TE Part #179720-2
PL 187 (4.8 MM) HOUSING RECEPTACLE



TE Part #1903393-1
GIC 2.5 W CAP HSG 4P NATURAL



TE Part #2-172210-1
PL MKII 187 REC HSG 2P NAT



TE Part #2316952-7
3.96 EP HDR ASSY 7P, NO PIN 1,3,5



TE Part #2316952-8
3.96 EP HDR ASSY 8P, NO PIN 2,4,6,7



TE Part #2836577-1
OCEAN-2.0-APPLICATOR-S-070F130F

Documents

Product Drawings

PLUG HOUSING 14POS,KEYING-B,NEW GIC3.3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1971905-7_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1971905-7_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1971905-7_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

GI3.3_QRG_CN

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English