6-1971793-4 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 6-1971793-4

6 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 2.5 mm [.098 in] Centerline, 1 Row, 50 VAC, Wire & Cable, Power & Signal, GRACE INERTIA 2.5

View on TE.com >

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







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Retention: **With**

Mating Retention Type: **Latch**

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

All Glow Wire Sig GRACE INERTIA Plug (20)

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC

Body Features

Connector & Keying Code	D

Primary Product Color	Yellow

Contact Features

Contact Base Material	Copper Alloy
Contact Retention Within Housing	Without
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	PA 66 GF

Dimensions

Connector Height	5.88 mm[.231 in]
Connector Length	15.7 mm[.618 in]
Wire Size	.081 – .326 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Glow Wire

Packaging Features

Packaging Quantity	400

Packaging Method	Bag & Box

Product Compliance

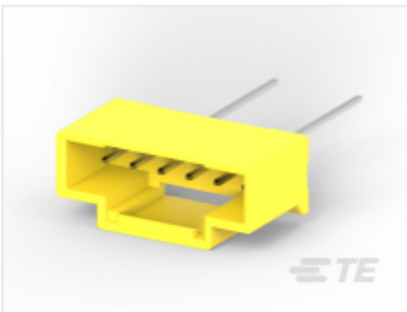
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) 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 reviewed for solder process capability

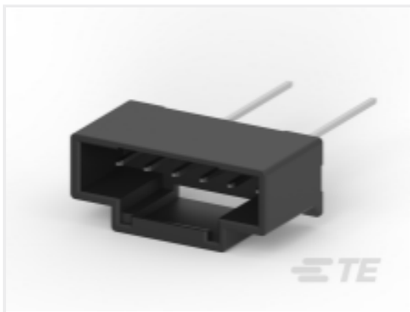
Product Compliance Disclaimer

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 # 6-2232546-4
GI2.5 HDR ASS 6P YEL NO BOSS TAPE

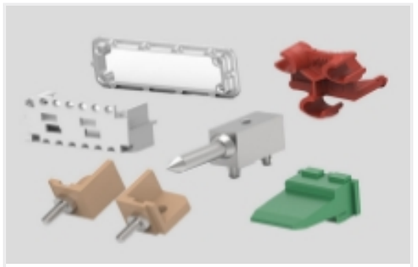


TE Part # 6-2232546-5
GI2.5 HDR ASS 6P BLK NO BOSS TAPE

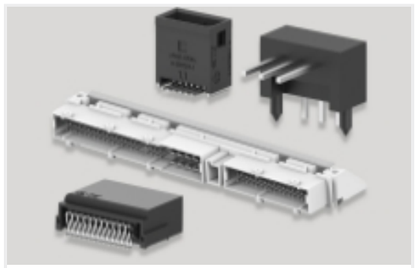
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



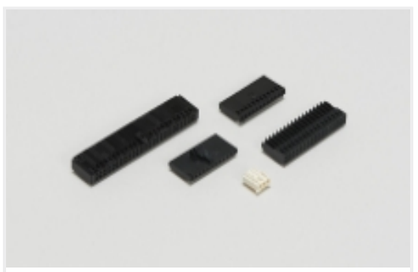
PCB Headers & Receptacles(173)



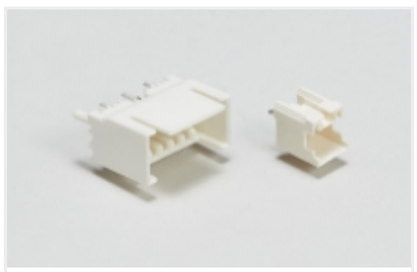
Power Contacts(2)



Rectangular Power Connectors(44)



Wire-to-Board Connector Assemblies & Housings(36)



Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



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



TE Part #CAT-G7534A-P729A
Glow Wire Sig GRACE INERTIA Plug



TE Part #4-1971793-1
NEW GI CONN2.5 PLUG HSG 4P NC



TE Part #1971795-1
NEW GI CONN2.5 REC. CONTACT



TE Part #2-1971798-2
NEW GI CONN2.5 HDR ASMBLY 2P BLU D1.0

Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 6P YLW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1971793-4_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1971793-4_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1971793-4_J.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773465-8-GI2.5-ChineseFlyer

1-1773883-5 GRACE INERTIA connector quick reference guide

English

5-1773465-3-GI2.5Flyer

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English