4-1971793-4 ✔ ACTIVE

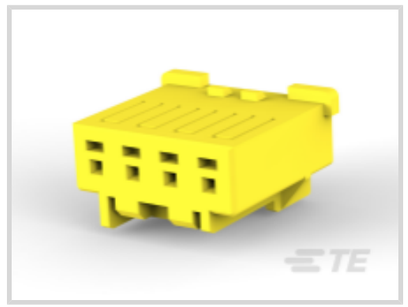
GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 4-1971793-4

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

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > STD Temp Sig GRACE INERTIA Plug







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

UL Flammability Rating: **UL 94V-0**

Number of Positions: **4**

All STD Temp Sig GRACE INERTIA Plug (63)

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 Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Yellow

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Contact Features

Contact Layout	Inline
Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 66 GF

Dimensions

Connector Width	5.88 mm[.231 in]
Connector Height	10.4 mm[.409 in]
Connector Length	10.7 mm[.421 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Identification Marking

Circuit Identification Feature	Without

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag
Packaging Quantity	1350

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

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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

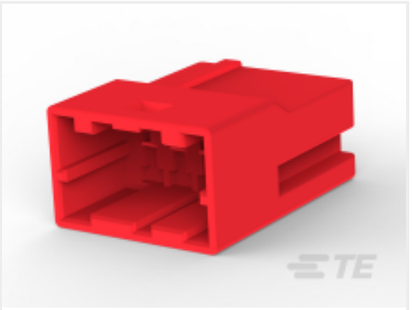
Compatible Parts



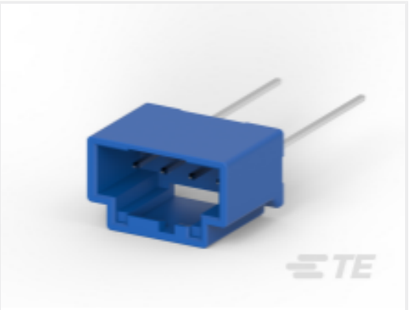
TE Part # 4-2232546-5
GI2.5 HDR ASS 4P BLK NO BOSS TAPE



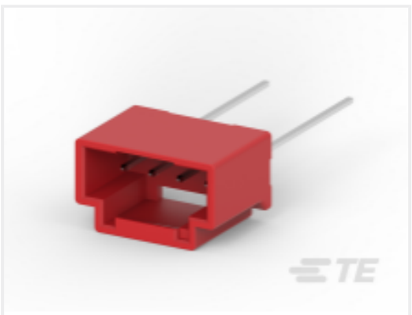
TE Part # 4-1971794-2
GI2.5 TPA,4P



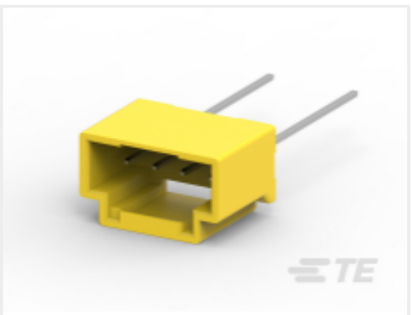
TE Part # 1-1903393-2
GIC 2.5 W CAP HSG 4P RED



TE Part # 4-2232546-2
GI2.5 HDR ASS 4P BL NO BOSS TAPE



TE Part # 4-2232546-3
GI2.5 HDR ASS 4P RED NO BOSS TAPE



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



TE Part # 4-2232546-1
GI2.5 HDR ASS 4P NC NO BOSS TAPE

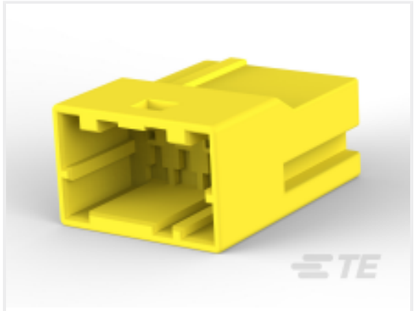


TE Part # 1903393-1
GIC 2.5 W CAP HSG 4P NATURAL

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

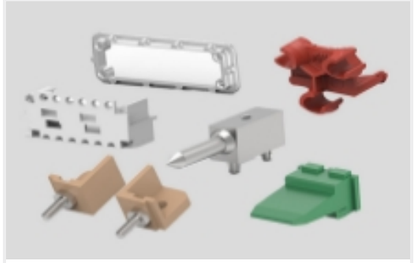


TE Part # 3-1903393-4
GIC 2.5 W CAP HSG 4P YELLOW

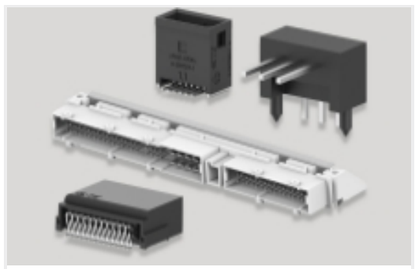
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



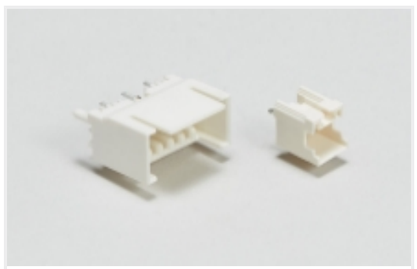
Power Contacts(2)



Rectangular Power Connectors(44)



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

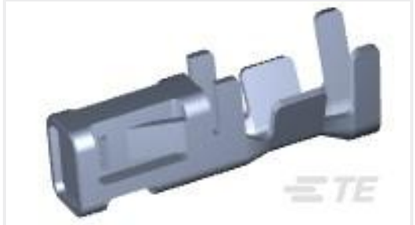


Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



TE Part #DTM04-2P
REC, 2P, GRY, N



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

Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 4P YLW

English

CAD Files

3D PDF

3D

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Customer View Model

ENG_CVM_CVM_4-1971793-4_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1971793-4_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1971793-4_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

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