



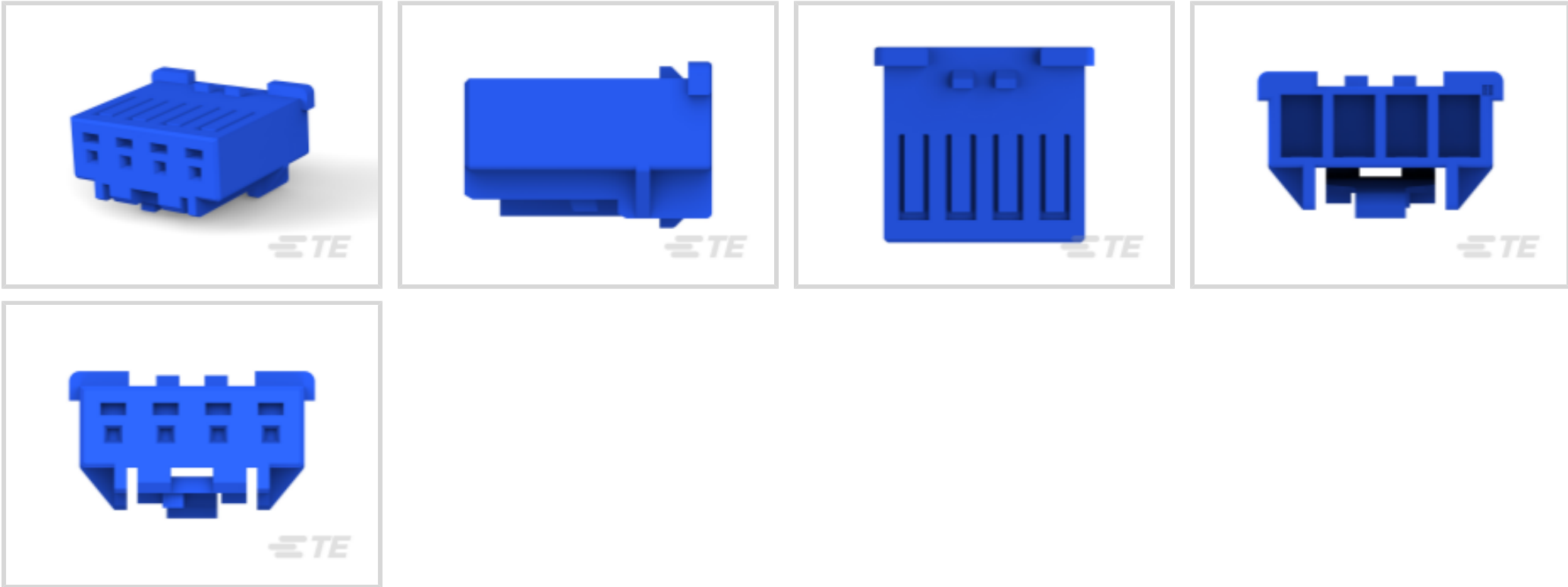
GRACE INERTIA 2.5

TE Internal #: 4-1971793-2

Wire-to-Board, 4 Position, 2.5 mm [.098 in] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.5, Rectangular Connector Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings > STD Temp Sig GRACE INERTIA Plug



Connector System: Wire-to-Board

Number of Positions: 4

Centerline (Pitch): 2.5 mm [.098 in]

Number of Rows: 1

Housing Material: Nylon 66 GF

[All STD Temp Sig GRACE INERTIA Plug \(63\)](#)

Features

Product Type Features

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

Configuration Features

Number of Cavities	4
Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
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Contact Features

Contact Layout	Inline
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Contact Type	Socket
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Color	Blue
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 66 GF
Dimensions	
Connector Height	10.4 mm[.409 in]
Product Width	5.88 mm[.231 in]
Product 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 Quantity	1350
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: JUNE 2024 (241)



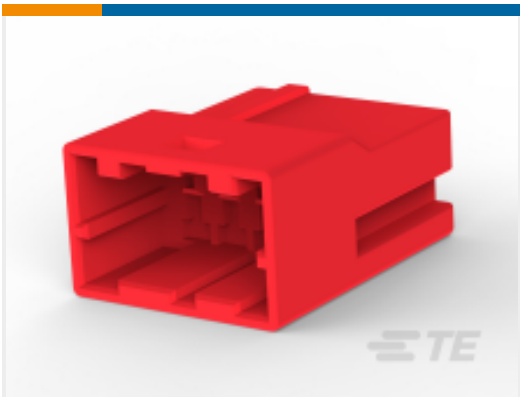
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

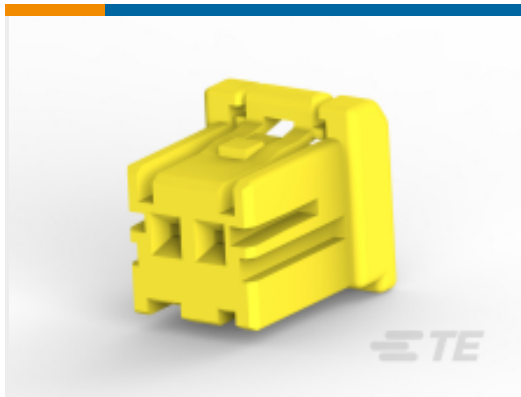
Product Compliance Disclaimer

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>

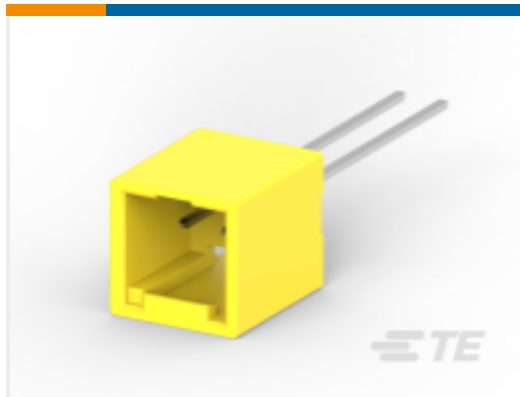
Compatible Parts



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



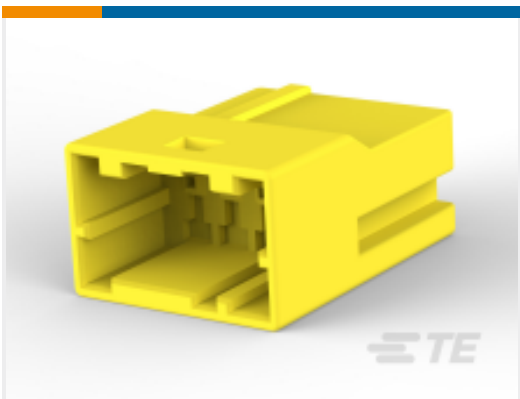
TE Part # CAT-G7534A-P729
STD Temp Sig GRACE INERTIA Plug



TE Part # CAT-G7534A-H342
STD Temp Sig GRACE INERTIA Header



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



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



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

Also in the Series | GRACE INERTIA 2.5

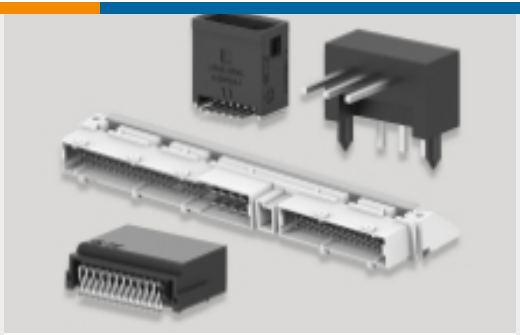




Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(138)



Rectangular Connector Housings(49)



Rectangular Power Connectors(35)



Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



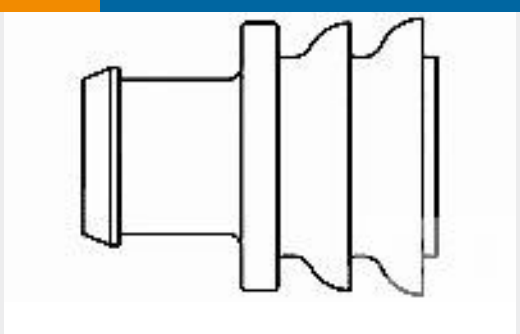
TE Part #W2S
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

- Product Drawings

NEW GI CONN2.5 PLUG HSG 4P BLU

English
- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1971793-2_J.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_4-1971793-2_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1971793-2_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[5-1773465-3-GI2.5Flyer](#)

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

Product Specifications

[Product Specification](#)

English