3-1903393-4 ✔ ACTIVE

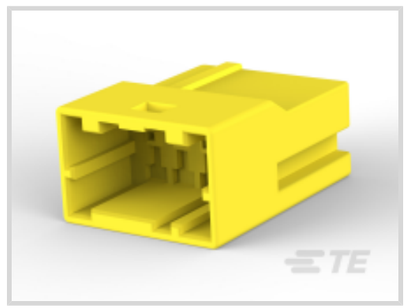
GRACE INERTIA | GRACE INERTIA 2.5

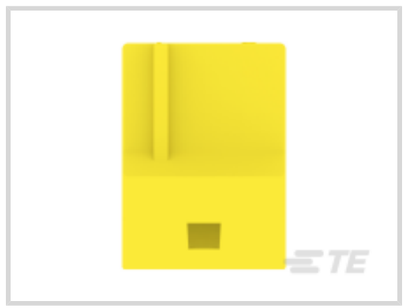
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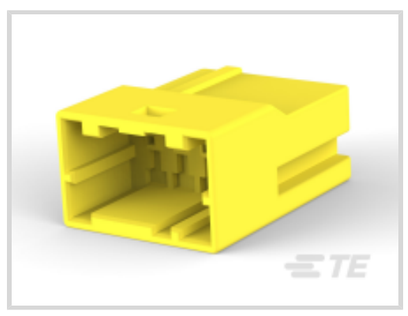
4 Position, Cap, Housing, Crimp, Wire-to-Wire, 2.5 mm [.098 in] Centerline, 1 Row, 250 VAC, Wire & Cable, Power & Signal, GRACE INERTIA 2.5

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors





Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

Mating Retention: **With**

Mating Retention Type: **Latch**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Connector & Keying Code	D
Primary Product Color	Yellow

Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Socket

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 Open
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Glass-Filled PBT

Dimensions

Connector Height	8.8 mm[.346 in]
Connector Length	13.7 mm[.538 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
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	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 applicable for solder process capability

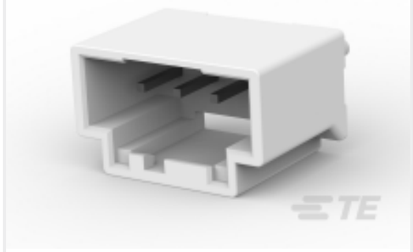
Product Compliance Disclaimer

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

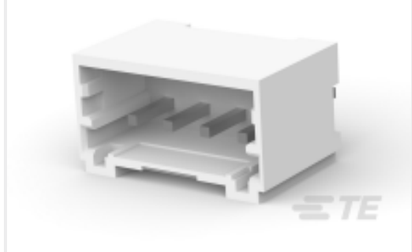
Compatible Parts



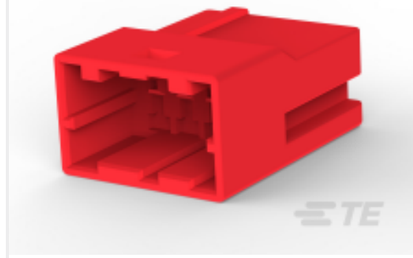
TE Part # 5-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P NA



TE Part # 4-1971798-1
NEW GI CONN2.5 HDR ASMBLY 4P NC D1.0



TE Part # 1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV



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



TE Part # 6-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE



TE Part # 7-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P BL



TE Part # 2-1747067-4
GRACE INERTIA CONN 2.5 HDR ASSY 4P BLUE



TE Part # 1903391-1
GIC 2.5 W CAP HSG 2P NATURAL



TE Part # 1747067-4
GRACE INERTIA CONN 2.5 HDR ASSY 4P NAT



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



TE Part # 1981970-1
GIC2.5W PLUG HOUSING 8POS (2-ROW) NAT



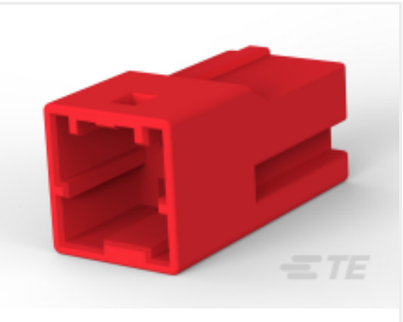
TE Part # 1903388-1
GIC 2.5 W PLUG HSG 2P NATURAL



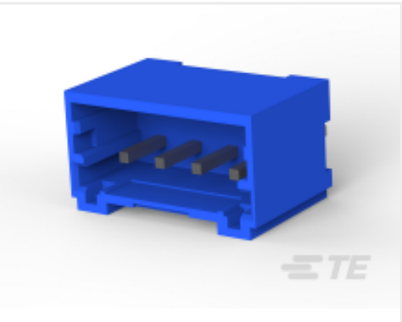
TE Part # 1903389-1
GIC 2.5 W PLUG HSG 3P NATURAL



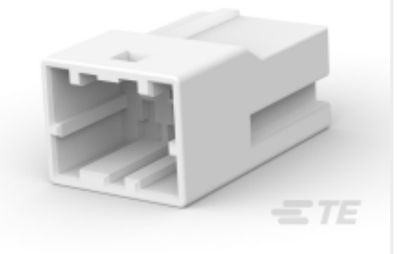
TE Part # 1903393-1
GIC 2.5 W CAP HSG 4P NATURAL



TE Part # 1-1903391-2
GIC 2.5 W CAP HSG 2P RED



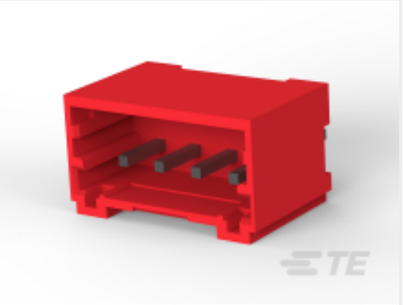
TE Part # 2-1971032-4
4POS HEADER ASSMBLY FOR GIC 2.0 EV



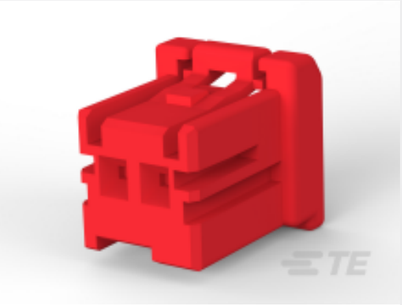
TE Part # 1903392-1
GIC 2.5 W CAP HSG 3P NATURAL



TE Part # 1871843-4
GIC2.5 HDR ASSY TIN VERSION 4P NATURAL



TE Part # 1-1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV

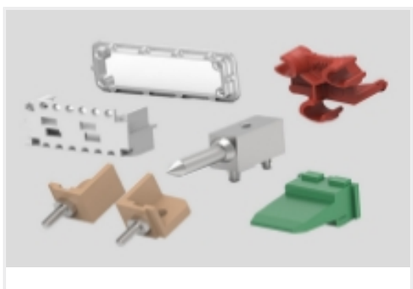


TE Part # 1-1903388-2
GIC 2.5 W PLUG HSG 2P RED

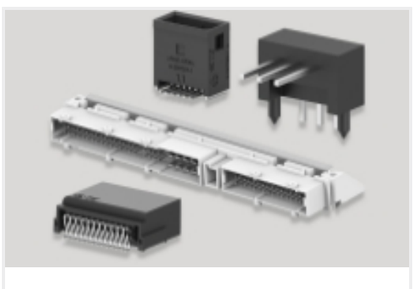
Also in the Series | GRACE INERTIA 2.5



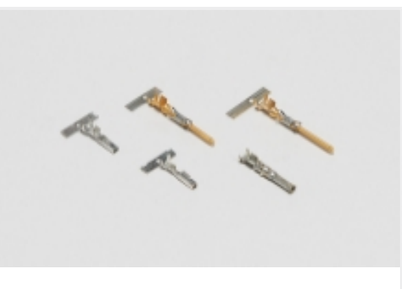
Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



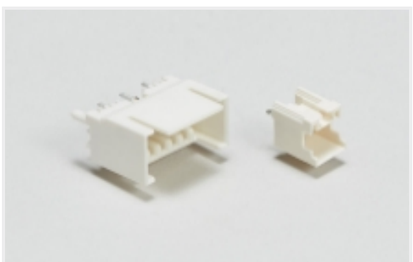
Power Contacts(2)



Rectangular Power Connectors(44)

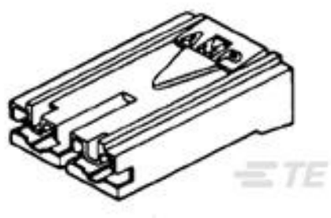


Wire-to-Board Connector Assemblies & Housings(36)



Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



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



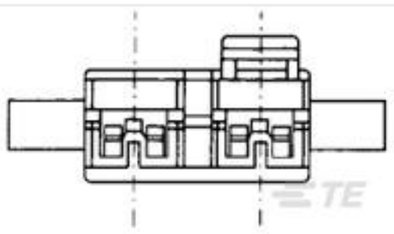
TE Part #2-179861-1
AMP POWER D/LOCK PLUG HSG 4P



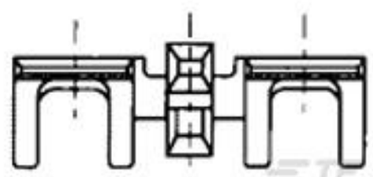
TE Part #316061-1
POWER DBL LOCK PLATE 2P /6.5MM



TE Part #316086-9
2.5 S.D.L CAP HSG 2P BLACK



TE Part #353253-1
PL EX 110 (2.8 MM) HOUSING RECEPTACLE



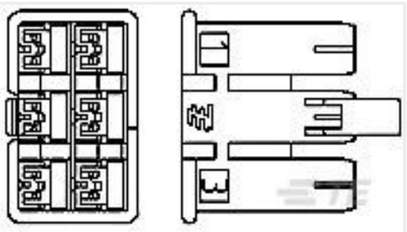
TE Part #353254-1
POSITIVE LOCK EX 110 (2.8 MM)



TE Part #917686-9
2.5 S.DBL L. PLUG HSG 2P BLACK



TE Part #1318376-1
SMARTEC CONN DUST COVER



TE Part #1827628-1
POSITIVE LOCK EX 110 HOUSING

TE Part #1-2174299-2
5MM POWER KEY 3P PLUG HSG RED

Documents

Product Drawings

GIC 2.5 W CAP HSG 4P YELLOW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1903393-4_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1903393-4_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1903393-4_G.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