1971030-3 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.0

TE Internal #: 1971030-3

3 Position, Plug, Housing, Wire-to-Board, UL 94V-0, 2 mm [.079 in] Centerline, 1 Row, 50 VAC, Wire & Cable, Signal, GRACE INERTIA 2.0

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: **3**

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	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	Nylon 66 GF

Dimensions

Connector Width	6.75 mm[.266 in]
Connector Height	7.9 mm[.311 in]
Connector Length	7.54 mm[.297 in]

Usage Conditions

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

Operation/Application

Halogen Free	No
Circuit Application	Signal

Identification Marking

Circuit Identification Feature	Without

Industry Standards

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

Packaging Features

Packaging Method	Package
Packaging Quantity	600

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 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

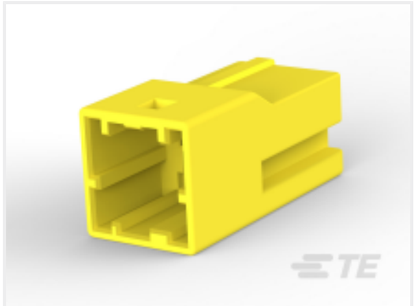
Product Compliance Disclaimer

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 # 2400014-3
GIC2.0 EV CAP HOUSING 3 POS. NATURAL



TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



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



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

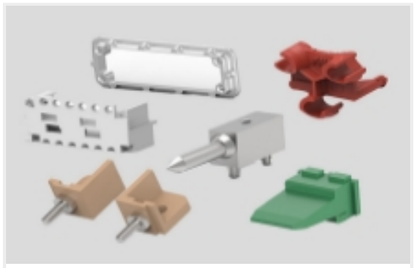


TE Part # 2367943-3
GI2.0EV VT SMT Poting HDR,NTL,Key A,3P

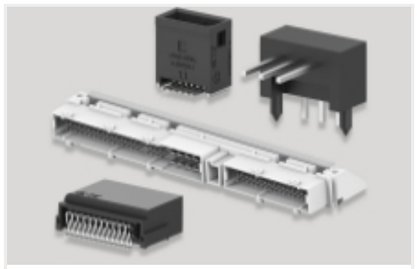
Also in the Series | GRACE INERTIA 2.0



Connector Contacts(6)



Connector Hardware(9)



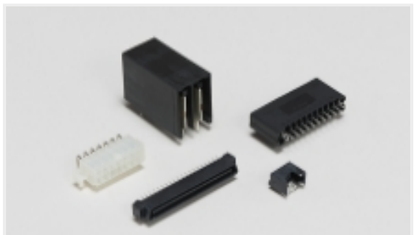
PCB Headers & Receptacles(70)



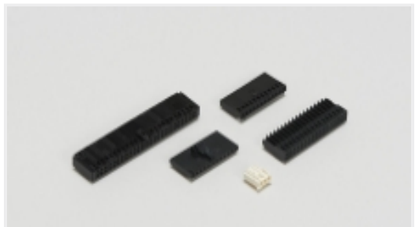
Rectangular Connector Housings(22)



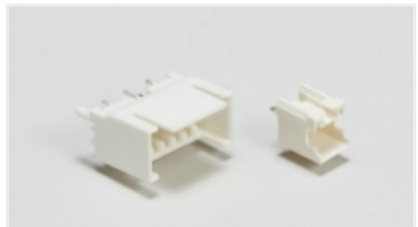
Rectangular Power Connectors(1)



Standard Rectangular Connectors(40)



Wire-to-Board Connector Assemblies & Housings(40)



Wire-to-Board Headers & Receptacles (70)

Customers Also Bought



TE Part #1-1971906-7
HEADER ASSY 14POS,KEYING-A, NEW GIC3.3



TE Part #2316873-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4



TE Part #2-2360547-4
SGI 1.5 HDR, 4P, VT, Key B, Black



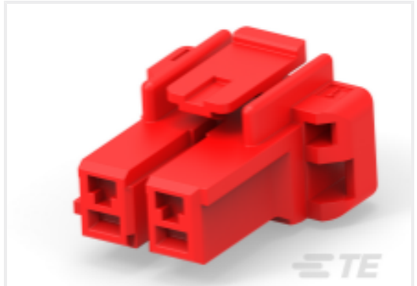
TE Part #2-2382946-5
SGI 1.5 Plug HSG, 5P, Key B, Black



TE Part #2389261-3
GI3.0Multiload plug ASSY,2P,Key C, RED

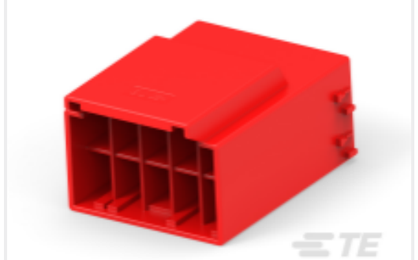


TE Part #1-2427710-2
SGI 1.5 HEADER ASSY, 4P, KEY B, RED

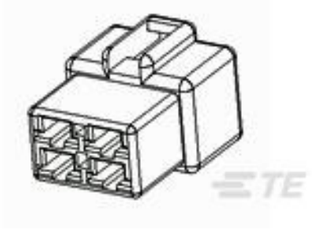


TE Part #1-1376388-3
5.0 PK CONN. 2P PLUG HSG (W/O GF) - RED

TE Part #2311998-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4



TE Part #1-2357093-2
GRACE INERTIA 3.5W CAP 10P RED



TE Part #174201-1
4 P 250 F CAP HSG

Documents

Product Drawings

3POS Plug Housing for GIC 2.0 EV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1971030-3_F3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1971030-3_F3.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1971030-3_F3.3d_igs.zip

English

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

Product Specifications

Application Specification

English