1747066-3 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 1747066-3

3 Position, Plug, Housing, Crimp, Wire-to-Board, 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







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Retention Type: **Latch**

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

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

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 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

Housing Entry Configuration	Both Ends Open
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon 6/6 GF

Dimensions

Connector Height	7.35 mm[.289 in]
Connector Length	9.6 mm[.377 in]

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	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	800
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 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

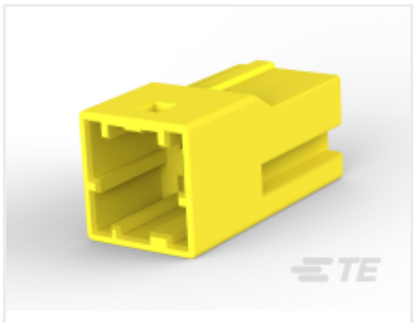
Product Compliance Disclaimer

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



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



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



TE Part # 2-2232701-1
NEW GI CONN2.5 PLUG HSG 2P NC



TE Part # 3-2232701-4
NEW GI CONN2.5 PLUG HSG 3P YLW

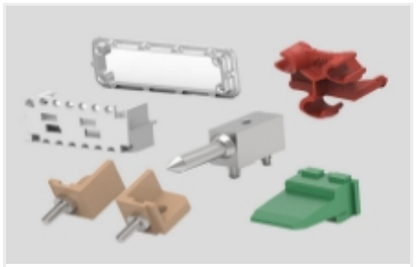


TE Part # CAT-G7534A-R2435
Sig GRACE INERTIA Receptacle

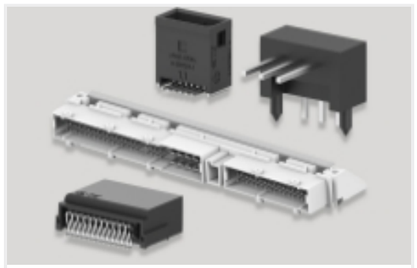
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



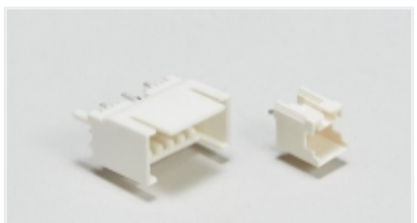
Power Contacts(2)



Rectangular Power Connectors(44)



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



Wire-to-Board Headers & Receptacles (173)

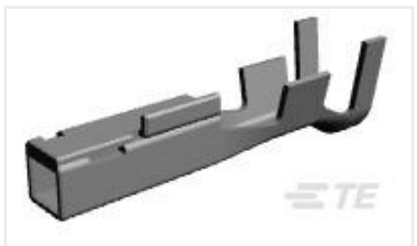
Customers Also Bought



TE Part #063725P021
ES2000-NO.2-B9-0-27MM



TE Part #819954-SF
FN9262A-10-06



TE Part #1565079-1
GRACE INERTIA 3.5 REC CONTACT(L)



TE Part #CAT-G7534-P729
STD Temp GRACE INERTIA Plug



TE Part #1565085-1
GRACE INERTIA CONNECTOR 3.5 2P



TE Part #2-1633127-6
ANVIL, COMBINATION .042



TE Part #2-1747066-4
GRACE INERTIA CONN 2.5 PLUG HSG 4P BLUE



TE Part #1-1971030-4
4POS Plug Housing for GIC 2.0 EV Series



TE Part #2150059-2
OCEAN_2.0_APPLICATOR-E-062F130F-REA

Documents

Product Drawings

GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1747066-3_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747066-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747066-3_E.3d_stp.zip

English

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Product Specifications

Application Specification

English