1747066-6 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 1747066-6

6 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	6
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	7.7 mm[.303 in]
Connector Length	17.1 mm[.672 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	400
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

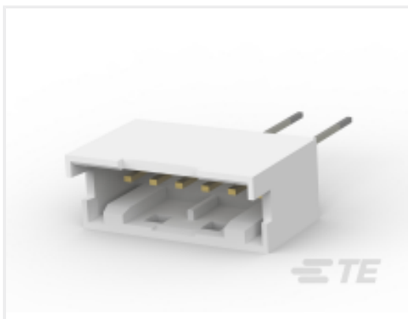
Product Compliance Disclaimer

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

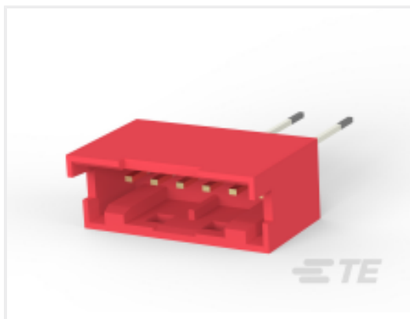
Compatible Parts



TE Part # 7-1747072-6
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P BL



TE Part # 5-1747072-6
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P NA



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



TE Part # 1-1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY 6P RED



TE Part # 1871843-6
GIC 2.5 HDR ASSY TIN VERSION 6P



TE Part # 1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY 6P NATUR

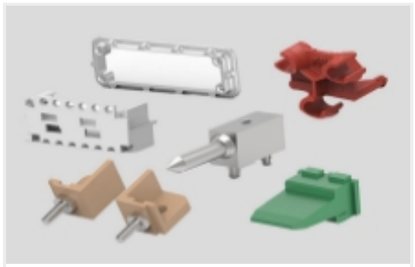


TE Part # CAT-G7534A-R2435
Sig GRACE INERTIA Receptacle

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



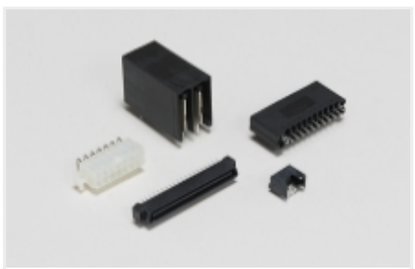
Power Contacts(2)



Rectangular Connector Housings(96)



Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)

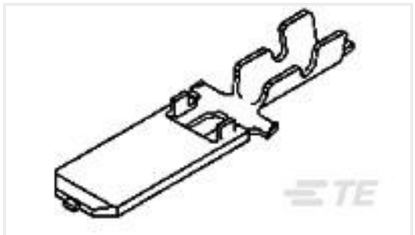


Wire-to-Board Connector Assemblies & Housings(36)

Customers Also Bought



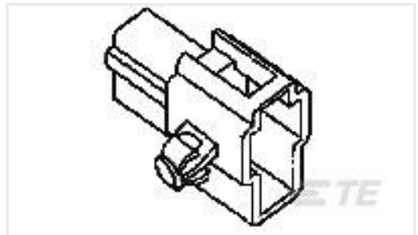
TE Part #DT04-2P-E005
REC, 2P, BLK, N, CAP



TE Part #170349-1
FF 250 TAB 22-20AWG BR WITHOUT LATCH



TE Part #172343-1
MINI UNIVERSAL M-N-L HOUSING



TE Part #172383-1
FF 250 REC HSG 2P NYLON NAT P/M



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



TE Part #1747066-3
GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR



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 #1971031-1
Receptacle contact for GIC 2.0



TE Part #3-1971030-4
4POS Plug Housing for GIC 2.0 EV Series

Documents

Product Drawings

GRACE INERTIA CONN 2.5 PLUG HSG 6P NATUR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747066-6_E1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1747066-6_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747066-6_E1.3d_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