1981972-1 ✔ ACTIVE

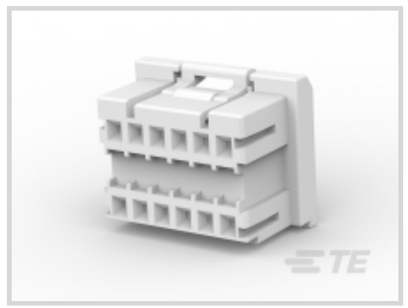
GRACE INERTIA | GRACE INERTIA 2.5

TE Internal #: 1981972-1

12 Position, Plug, Housing, Wire-to-Wire, UL 94V-0, 2.5 mm [.098 in] Centerline, 2 Row, 250 VAC, Wire & Cable, Signal, GRACE INERTIA 2.5

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-Wire**

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

Number of Positions: **12**

All STD Temp Sig GRACE INERTIA Plug (63)

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Matrix
Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	PBT GF

Dimensions

Connector Width	15.2 mm[.598 in]
Connector Height	11 mm[.511 in]
Connector Length	18.7 mm[.736 in]
Row-to-Row Spacing	7.6 mm[.3 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
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag
Packaging Quantity	800

Product Compliance

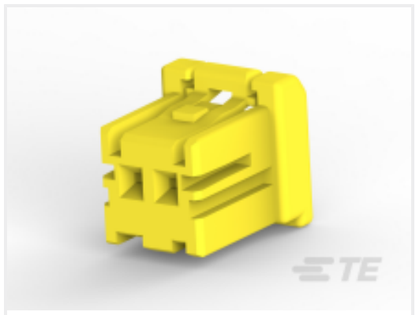
For compliance documentation, visit the product page on TE.com>

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

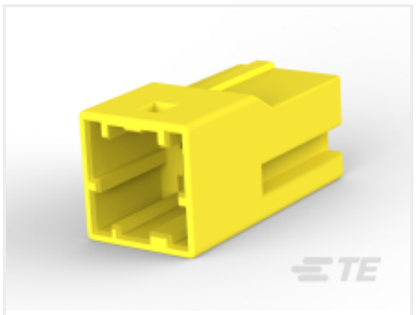
Product Compliance Disclaimer

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

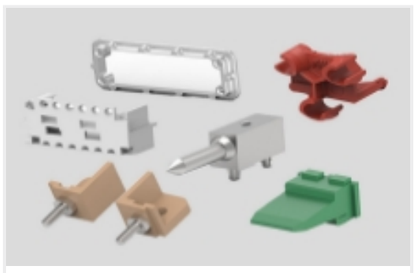


TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



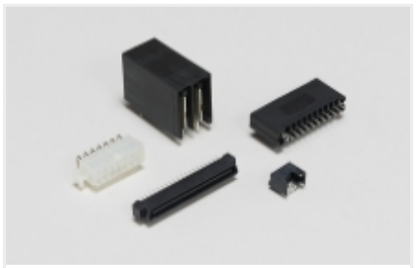
Power Contacts(2)



Rectangular Connector Housings(96)



Rectangular Power Connectors(44)



Standard Rectangular Connectors(96)



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

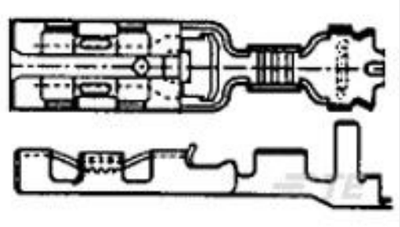
Customers Also Bought



TE Part #179862-1
AMP POWER D/LOCK PLUG HSG 6P



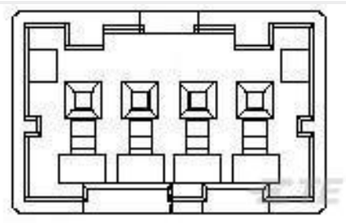
TE Part #316062-1
POWER DBL LOCK PLATE 3P /6.5MM



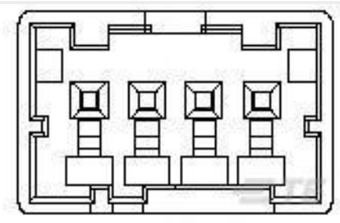
TE Part #353250-2
110 PL EX REC. 20-16AWG PTPHBZ



TE Part #917700-1
2.5 SIGNAL D/LOCK D.L.P 4P



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



TE Part #2-1903393-3
GIC 2.5 W CAP HSG 4P BLUE



TE Part #2825197-1
STD PW TIMER CONTACT



TE Part #368590-1
PDL 2P DBL PLATE 3.96(GWT) NAT



TE Part #2318468-1
2.5 SMC RECEPTACLE CONTACT

TE Part #2391532-1
RECEPTACLE, POSITIVE-LOCK, RAST 6.35

Documents

Product Drawings

GIC2.5W PLUG HOUSING 12POS (2-ROW) NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1981972-1_E_c-1981972-1-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1981972-1_E_c-1981972-1-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1981972-1_E_c-1981972-1-e.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English