

1981971-1 ✓ ACTIVE

GRACE INERTIA 2.5

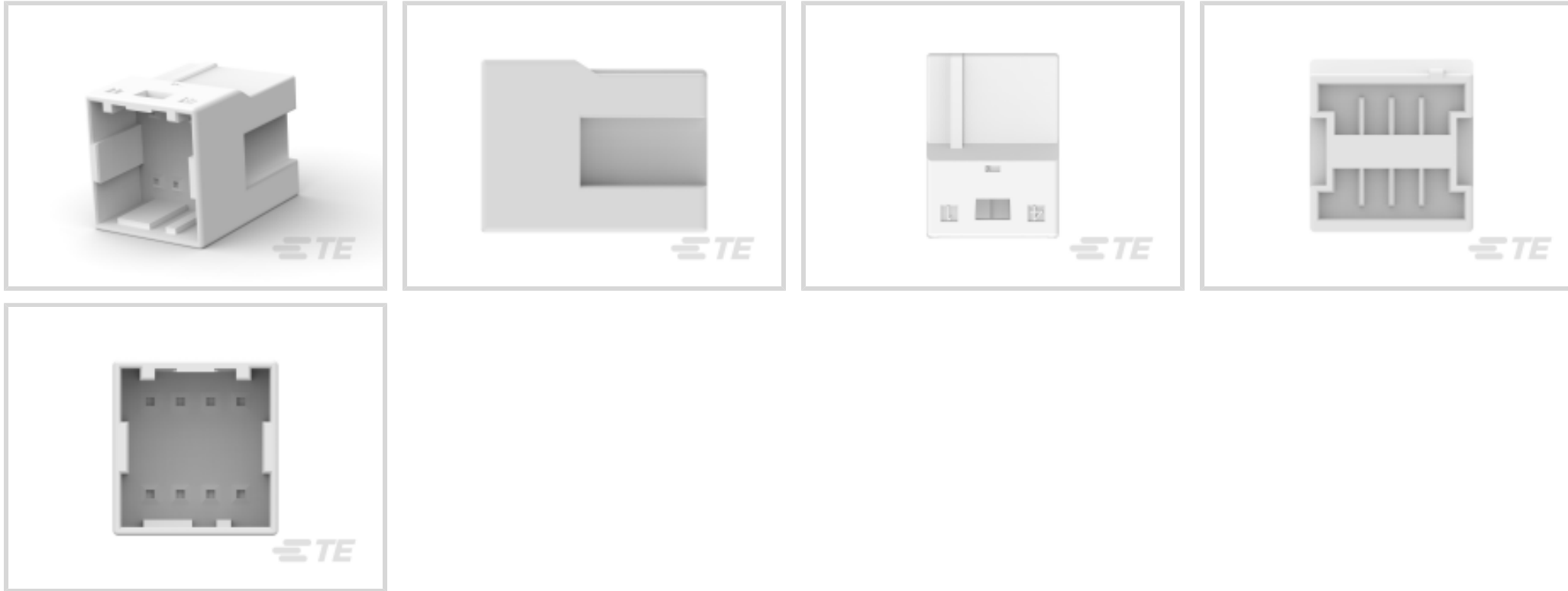
TE Internal #: 1981971-1

Housing, Receptacle, Wire-to-Wire, UL 94V-0, 8 Position, 2.5 mm [.098 in] Centerline, 2 Row, GRACE INERTIA 2.5, Standard Rectangular Connectors

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors > STD Temp Sig GRACE INERTIA Cap



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

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

Number of Positions: **8**

[All STD Temp Sig GRACE INERTIA Cap \(20\)](#)

Features

Body Features

Primary Product Color	Natural
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Identification Marking

Circuit Identification Feature	Without
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Contact Features

Contact Layout	Matrix
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Contact Type	Tab
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	500
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Dimensions

Connector Width	14.4 mm[.567 in]
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Row-to-Row Spacing	7.6 mm[.3 in]
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Connector Height	18.8 mm[.74 in]
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Connector Length	13.7 mm[.539 in]
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Operation/Application

Halogen Free	No
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Circuit Application	Signal
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Electrical Characteristics

Operating Voltage	250 VAC
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Housing Features

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

Compatible With Agency/Standards Products	UL
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Compatible With Approved Standards Products	UL E28476
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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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Product Type Features

Connector Product Type	Housing
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Connector & Housing Type	Receptacle
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Connector System	Wire-to-Wire
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Sealable	No
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Connector & Contact Terminates To	Wire & Cable
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Configuration Features

Number of Positions	8
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Number of Rows	2
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Usage Conditions

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

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



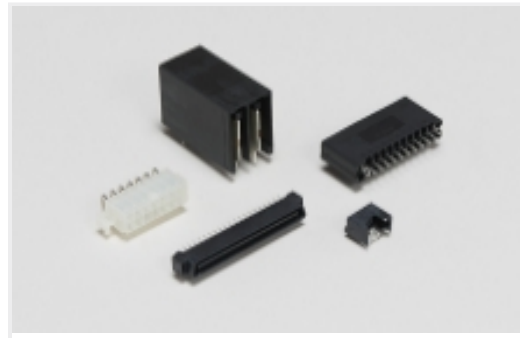
PCB Headers & Receptacles(173)



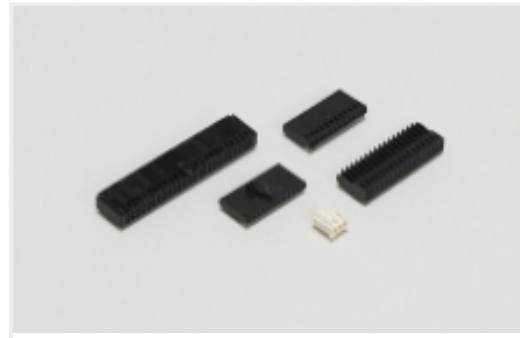
Power Contacts(2)



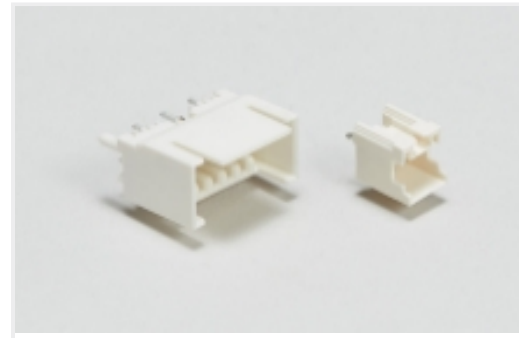
Rectangular Connector Housings(49)



Standard Rectangular Connectors(49)



Wire-to-Board Connector Assemblies & Housings(47)

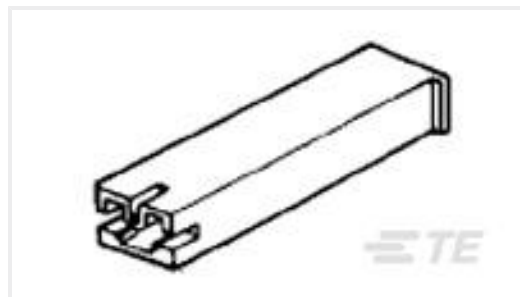


Wire-to-Board Headers & Receptacles (173)

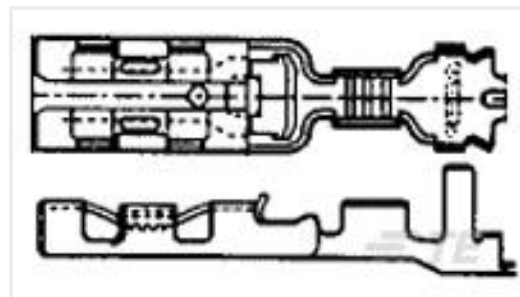
Customers Also Bought



TE Part #176498-1
POSITIVE LOCK 187 (4.8 MM)
HOUSING



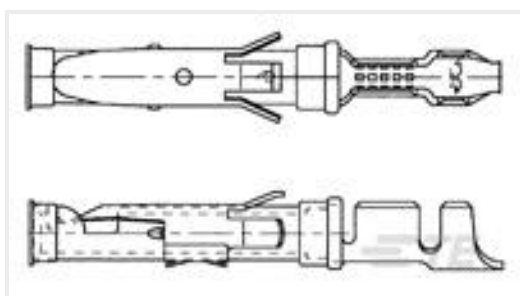
TE Part #173974-1
187 HSG. PL MKII REC. NAT



TE Part #353249-2
110 PL EX REC. 26-22AWG PTPHBZ



TE Part #42299-2
205 FASTON REC 22-18 AWG TPBR



TE Part #1-163087-1
SPEC.PLATED



TE Part #2-34162-1
TERMINAL,PG R 16-14 1/4



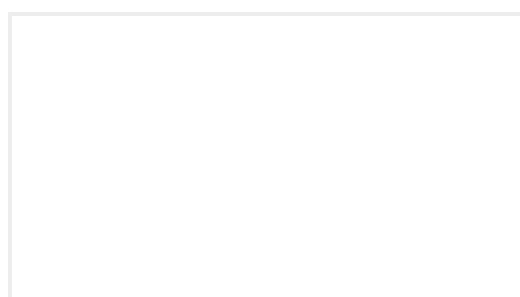
TE Part #DRC12-40PB
REC, 40P, BLK, N, FLANGE, B



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



TE Part #440129-2
2.0MM,HSG,2POS



TE Part #361511-7
DWP-125-3/4-0-STK

Documents



Product Drawings

GIC2.5W CAPHOUSING 8POS (2-ROW) NAT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1981971-1_E_c-1981971-1-e.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1981971-1_E_c-1981971-1-e.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1981971-1_E_c-1981971-1-e.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English