



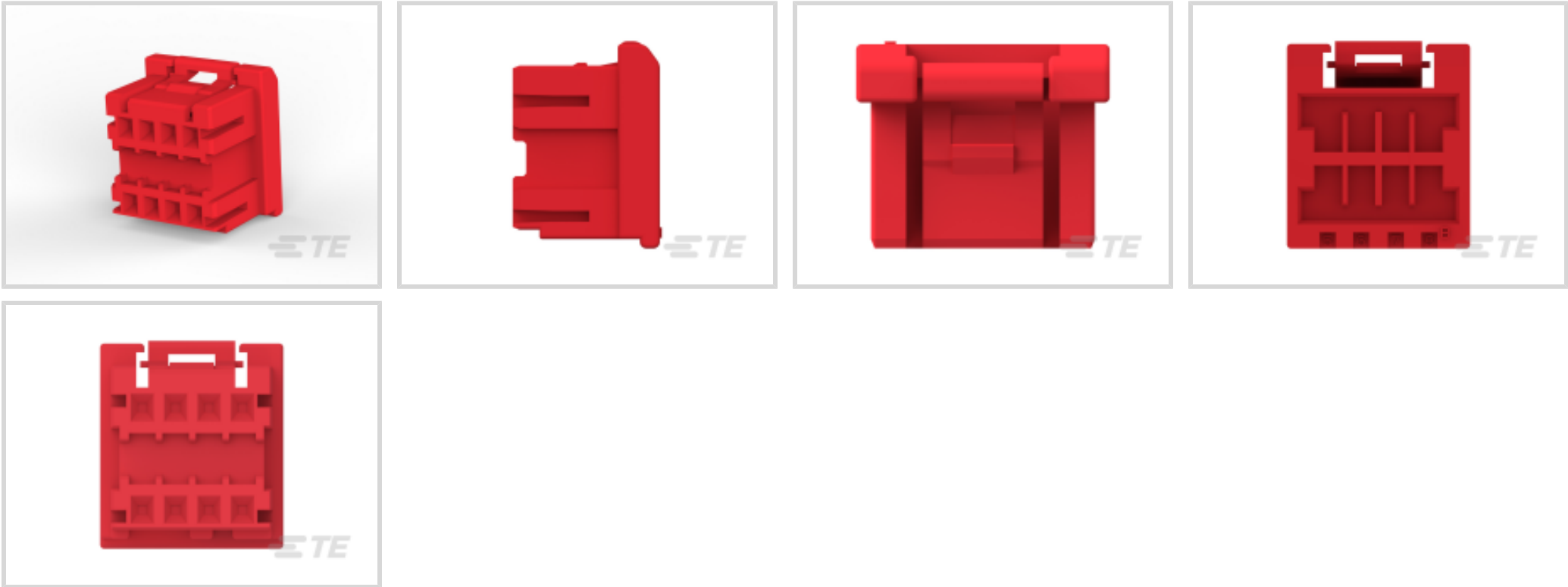
GRACE INERTIA 2.5

TE Internal #: 1-1981970-2

Wire-to-Wire, 8 Position, 2.5 mm [.098 in] Centerline, 2 Row, PBT GF, Plug, Socket, Wire & Cable, GRACE INERTIA 2.5, Rectangular Connector Housings

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Connectors > Rectangular Connectors > Rectangular Connector Housings > STD Temp Sig GRACE INERTIA Plug



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

Number of Positions: **8**

Centerline (Pitch): **2.5 mm [.098 in]**

Number of Rows: **2**

Housing Material: **PBT GF**

[All STD Temp Sig GRACE INERTIA Plug \(63\)](#)

Features

Product Type Features

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

Configuration Features

Number of Cavities	8
Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Matrix
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Contact Type	Socket
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Color	Red
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	PBT GF
Dimensions	
Connector Height	11 mm[.511 in]
Product Width	15.2 mm[.598 in]
Product Length	13.7 mm[.539 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	
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Quantity	1000
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 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



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



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



TE Part # 1-2315883-2
GIC2.5W PLUG HOUSING 8POS (2-ROW) RED



TE Part # 2315883-1
GIC2.5W PLUG HOUSING 8POS (2-ROW) NAT

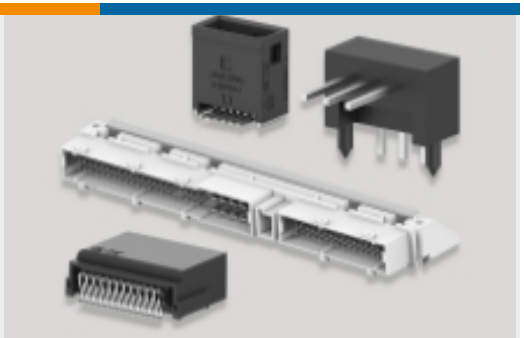
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(138)



Rectangular Connector Housings(49)



Rectangular Power Connectors(35)

Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought

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

TE Part #917765-1
2.5 SIGNAL D/LOCK TAB CONT. M

TE Part #1-746610-6
26 DIP PLUG, 100CL, LEAD FREE

TE Part #926097-1
FF 250 TAB HSG 3P NYLON NAT

TE Part #1735801-1
2.0mm,Crimp,Contact

TE Part #42801-2
187 FASTON REC 20-16 AWG TPBR

Documents

Product Drawings

GIC2.5W PLUG HOUSING 8POS (2-ROW) RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1981970-2_E_c-1-1981970-2-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1981970-2_E_c-1-1981970-2-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1981970-2_E_c-1-1981970-2-e.3d_stp.zip

English

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[Product Specifications](#)

[Application Specification](#)

English