

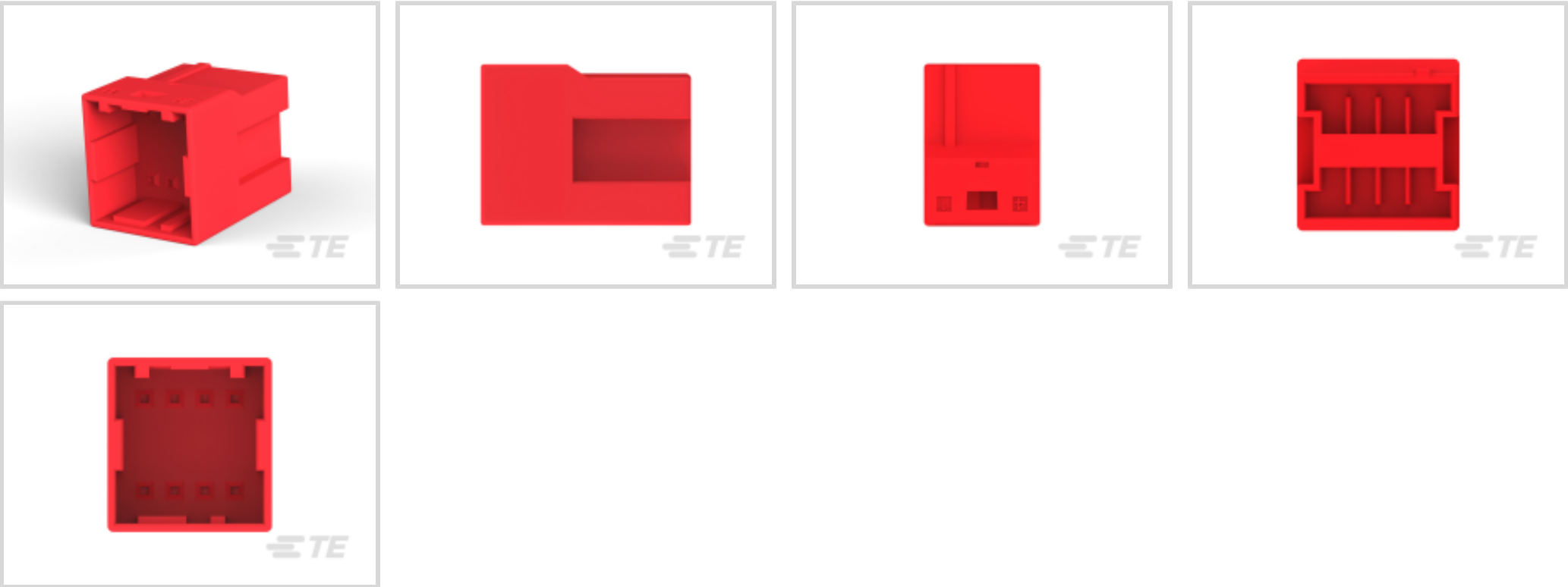


GRACE INERTIA 2.5

TE Internal #: 1-1981971-2  
Rectangular Connector Housings, Wire-to-Wire, 8 Position, .098 in [2.5 mm] Centerline, 2 Row, PBT GF, Receptacle, Tab, Wire & Cable, GRACE INERTIA 2.5

[View on TE.com >](#)

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



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 Cap \(20\)](#)

Features

Product Type Features

Connector System	Wire-to-Wire
Connector & Housing Type	Receptacle
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	Tab
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	18.8 mm[.74 in]
Product Width	14.4 mm[.567 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	500
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 2023 (235)



Candidate List Declared Against: JUNE  
2023 (235)  
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 # 1-1981970-2  
GIC2.5W PLUG HOUSING 8POS (2-ROW) RED



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



TE Part # 1981970-1  
GIC2.5W PLUG HOUSING 8POS (2-ROW) NAT

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



Rectangular Connector Housings(49)



Rectangular Connector Locking(2)



Rectangular Power Connectors(35)



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



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #206070-8  
CABLE CLAMP KIT #17



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



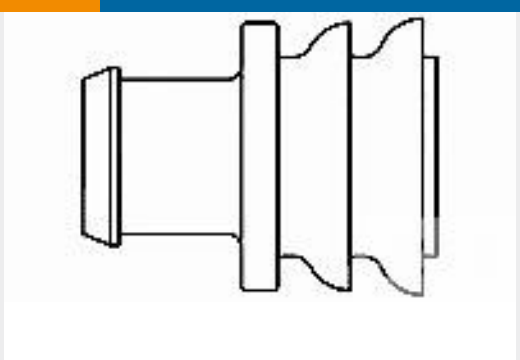
TE Part #W2S  
Wedgelocks: DEUTSCH DT



TE Part #0462-201-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1981971-2\_E\_c-1-1981971-2-e.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1981971-2\_E\_c-1-1981971-2-e.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1981971-2\_E\_c-1-1981971-2-e.3d\_stp.zip

English

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[Product Specifications](#)

[Application Specification](#)

English