



GRACE INERTIA 3.5

TE Internal #: 5-1565086-1
Housing, Receptacle, Wire-to-Wire, 3 Position, 3.5 mm [.138 in]
Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5,
Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Wire**
Number of Positions: **3**
Centerline (Pitch): **3.5 mm [.138 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
-------------------	---------

Contact Features

Contact Retention Within Housing	Without
----------------------------------	---------



Contact Type	Tab
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Centerline (Pitch)	3.5 mm[.138 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF
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 Method	Box
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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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-G7534-C1701
STD Temp GRACE INERTIA Cap



TE Part # 5-1565085-1
GRACE INERTIA CONNECTOR 3.5W
2POS CAP



TE Part # 5-1565088-1
GRACE INERTIA CONNECTOR 3.5W
6POS CAP

Also in the Series | GRACE INERTIA 3.5



Connector Contacts(4)



Connector Hardware(4)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(63)

Customers Also Bought



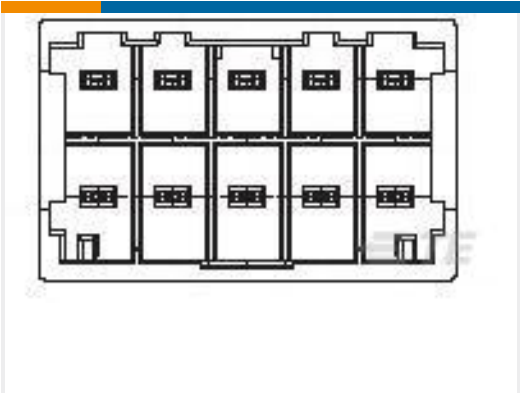
TE Part #1565080-1
GRACE INERTIA 3.5 TAB CONTACT(L)



TE Part #1871570-1
GIC 3.3 PLUG HOUSING 12POS



TE Part #5-1376387-1
5.0 POWER KEY CONNECTOR 6P (2R)



TE Part #1939983-1
GIC3.3 HDR ASS'Y 10POS 2ROW



Documents

Product Drawings

GRACE INERTIA CONNECTOR 3.5W 3POS CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1565086-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1565086-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1565086-1_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

Product Specification

English