

5-1565086-1 ✓ ACTIVE



## GRACE INERTIA 3.5

TE Internal #: 5-1565086-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,  
3 Position, 3.5 mm [.138 in] Centerline, Wire & Cable, UL 94V-0,  
GRACE INERTIA 3.5

[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
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#### Contact Features

Contact Retention Within Housing	Without
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Contact Type	Tab
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Centerline (Pitch)	3.5 mm [.138 in]
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Housing Color	Natural
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Housing Material	Nylon 6/6 GF
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### Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Method	Box
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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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




Insertion & Extraction Tools(1)



PCB Latches, Locks & Retainers(4)



Power Contacts(4)



Rectangular Power Connectors(63)

### Customers Also Bought



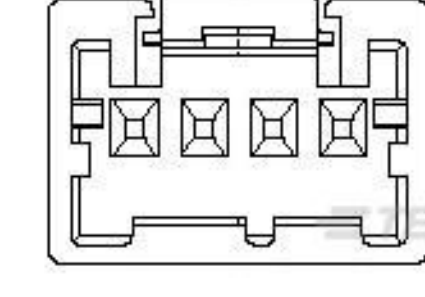
TE Part #1565084-1  
GRACE INERTIA CONNECTOR 3.5 6P



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



TE Part #6-1376383-2  
STD Temp Power Key Header



TE Part #1903390-1  
GIC 2.5 W PLUG HSG 4P NATURAL



## 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

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### Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English