



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



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Mating Retention: **With**

[All STD Temp GRACE INERTIA Cap \(24\)](#)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	0
Number of Power Positions	0
Number of Positions	2
Number of Rows	1

Electrical Characteristics

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



Body Features

Connector & Keying Code	A
Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Tab
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	Inertia Locking, Latch, Locking Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA 66
Centerline (Pitch)	3.5 mm[.138 in]

Dimensions

Connector Height	9.3 mm[.366 in]
Connector Length	9.05 mm[.356 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

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



Packaging Features

Packaging Quantity	400
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 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 # 1565081-1
GRACE INERTIA CONNECTOR 3.5 2P



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



TE Part # 1-1565085-6
GIC 3.5W 2P CAP(GWT) BLK



TE Part # 1565089-1
GRACE INERTIA CONNECTOR 3.5 2P



TE Part # 5-1565086-1
GRACE INERTIA CONNECTOR 3.5W
3POS CAP

TE Part # 5-1565085-3
GRACE INERTIA CONNECTOR 3.5W
2POS CAP

TE Part # 1729279-1
EXTRACTION TOOL FOR GIC 3.5
CONN.

TE Part # CAT-G7534-T111
GRACE INERTIA Tab

TE Part # 5-1565089-1
GRACE INERTIA CONNECTOR 3.5 2P
PLATE

Also in the Series | GRACE INERTIA 3.5

Connector Contacts(4)

Connector Hardware(4)

Insertion & Extraction Tools(1)

Power Contacts(4)

Rectangular Connector Housings(63)

Rectangular Power Connectors(63)

Standard Rectangular Connectors(63)

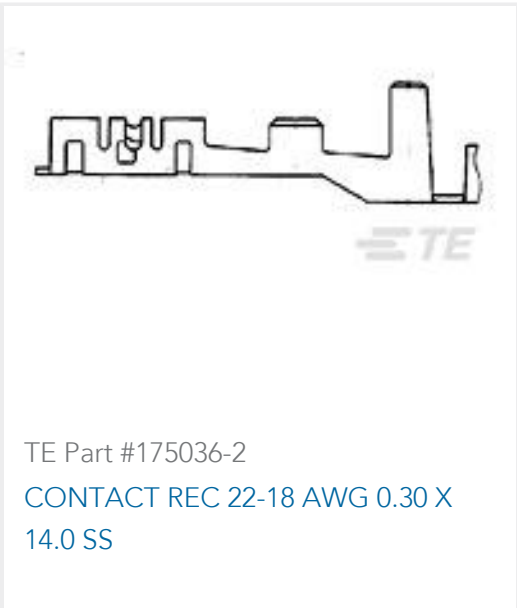
Customers Also Bought

TE Part #1376477-4
2.5MM PITCH SIGNAL MATE CONN

TE Part #440456-1
RING TERMINAL, TPBR

TE Part #CAT-G7534-C1701
STD Temp GRACE INERTIA Cap

TE Part #1746973-1
GRACE INERTIA CONNECTOR 6.2
MM PITCH TAB



Documents

Product Drawings

GRACE INERTIA CONNECTOR 3.5 2P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1565085-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1565085-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1565085-1_H.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Product Specification

English

Product Specification

English

Instruction Sheets

Extraction Tool for GIC 3.5 Conn.

Japanese

Instruction Sheet (non U.S.)

Japanese



[Agency Approvals](#)

[UL Report](#)

English