2-1565085-3 ✔ ACTIVE

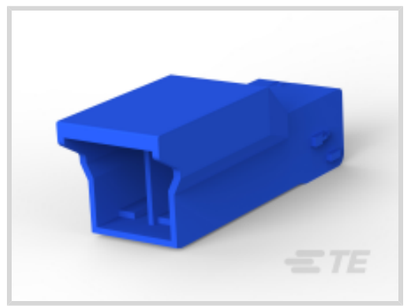
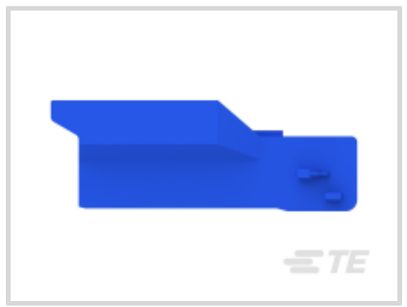
GRACE INERTIA 3.5

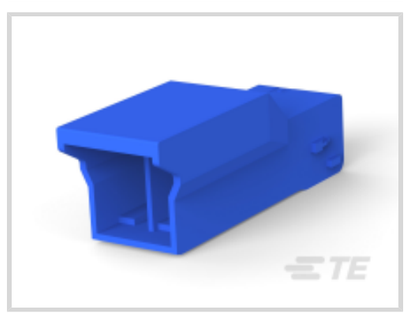
TE Internal #: 2-1565085-3

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 2 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 > STD Temp GRACE INERTIA Cap



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **3.5 mm [.138 in]**

All STD Temp GRACE INERTIA Cap (24)

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

Electrical Characteristics

Operating Voltage	300 VAC

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

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

Dimensions

Height	9.3 mm[.366 in]
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

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	400

Other

For Use With	Plug Housing : 2-1565081-3

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

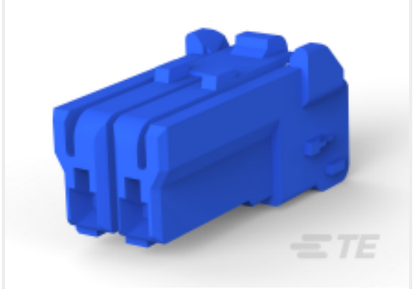
Product Compliance Disclaimer

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 # CAT-G7534-T111
GRACE INERTIA Tab

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



TE Part # 2-1565081-3
GRACE INERTIA CONNECTOR 3.5 2P

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

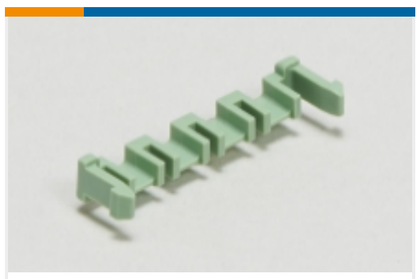
TE Part # 1729279-1
EXTRACTION TOOL FOR GIC 3.5 CONN.

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

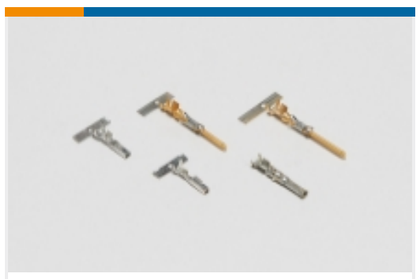
TE Part # 5-1565085-3
GRACE INERTIA CONNECTOR 3.5W 2POS CAP

Also in the Series | GRACE INERTIA 3.5

Insertion & Extraction Tools(1)



PCB Latches, Locks & Retainers(4)



Power Contacts(4)

Rectangular Power Connectors(63)

Documents

Product Drawings

GRACE INERTIA CONNECTOR 3.5 2P

English

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_2-1565085-3_H.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2-1565085-3_H.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2-1565085-3_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

English

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Extraction Tool for GIC 3.5 Conn.

Japanese

Instruction Sheet (non U.S.)

Japanese

Agency Approvals

UL Report

English