5-1565088-1 ✔ ACTIVE

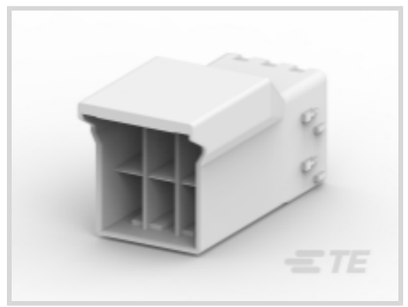
GRACE INERTIA | GRACE INERTIA 3.5

TE Internal #: 5-1565088-1

6 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.5 mm [.138 in] Centerline, 2 Row, 300 VAC, Wire & Cable, Power & Signal, GRACE INERTIA 3.5

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Cap**

Termination Method to Wire & Cable: **Crimp**

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

Contact Retention Within Housing: **Without**

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Rows	2
Number of Power Positions	0
Number of Signal Positions	0

Electrical Characteristics

Operating Voltage	300 VAC

Body Features

Primary Product Color	Natural

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 Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	4.8 mm[.189 in]
Wire Size	.129 – .823 mm²

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

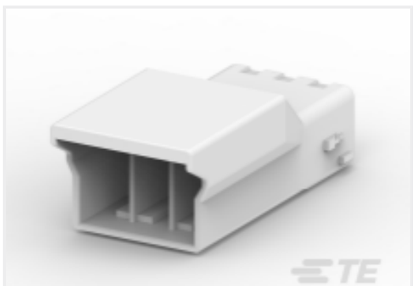
Product Compliance Disclaimer

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-T669
GRACE INERTIA TPA



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



TE Part # CAT-G7534-P729
STD Temp GRACE INERTIA Plug



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

Also in the Series | GRACE INERTIA 3.5



Connector Contacts(4)



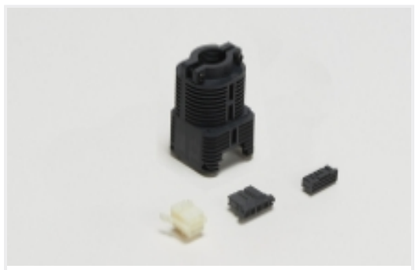
Connector Hardware(4)



Insertion & Extraction Tools(1)



Power Contacts(4)



Rectangular Connector Housings(63)

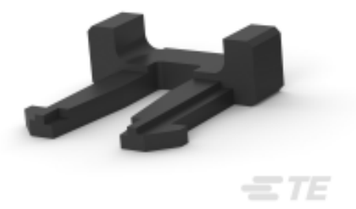


Rectangular Power Connectors(63)

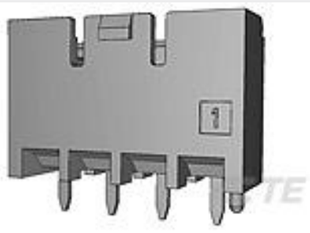


Wire-to-Board Connector Assemblies & Housings(1)

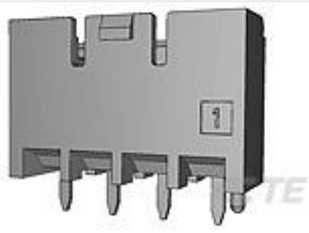
Customers Also Bought



TE Part #5-917698-1
2.5 SIGNAL DBL LOCK D.L.P 2P



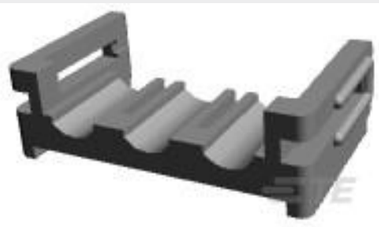
TE Part #7-1376382-3
5.0 PK CONN. 2P ASSY WITHOUT K



TE Part #7-1376383-3
5mm B-T-W Conn, HDR HSG BLUE W



TE Part #1565082-1
GRACE INERTIA CONNECTOR 3.5 3P



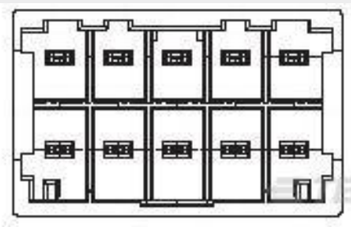
TE Part #5-1565090-1
GIC 3.5 3P DBL LOCK PLATE PBT (BLACK)



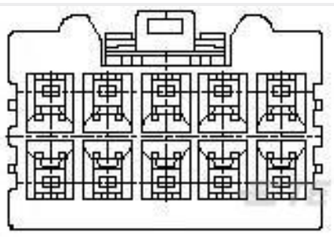
TE Part #1747995-4
GHC EYELET 6.2 3POS PLUG HOUSING YELLOW



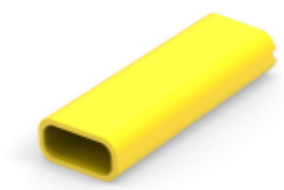
TE Part #1747996-2
GHC EYELET 12.4 2POS HEADER ASSY RED



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



TE Part #1939984-1
GIC 3.3 PLUG HSG 10POS. 2ROW



TE Part #2391865-2
250 sleeve PL YELLOW transparent

Documents

Product Drawings

GRACE INERTIA CONNECTOR 3.5W 6POS CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1565088-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1565088-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1565088-1_B.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