

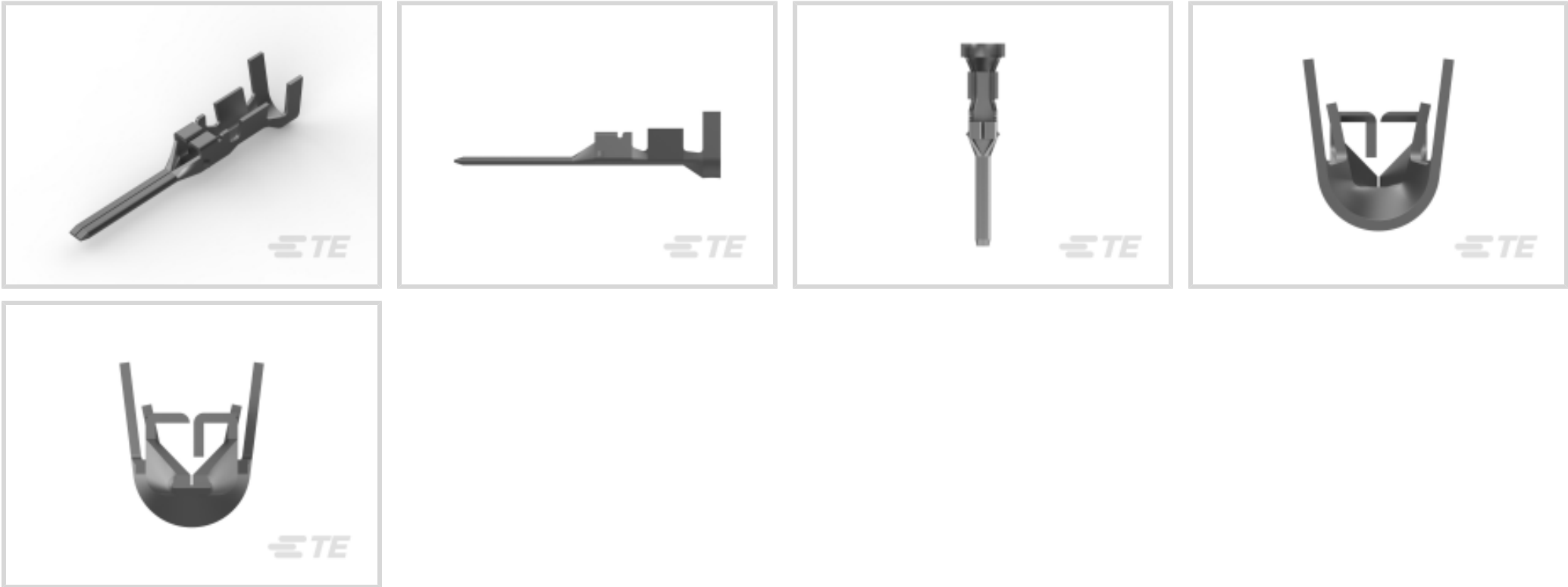


GRACE INERTIA 3.5

TE Internal #: 1565080-1
Tab Contact, Tin, 300 VAC, Locking Lance Contact Retention, 22 – 18 AWG Wire Size, .33 – .82 mm² Wire Size, Crimp, Copper Alloy, GRACE INERTIA 3.5

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts > GRACE INERTIA Tab



Contact Type: **Tab**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Pre-Tin**
Operating Voltage: **300 VAC**
Contact Retention Within Housing: **With**

[All GRACE INERTIA Tab \(4\)](#)

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Mating Tab Width	1.2 mm[.047 in]
Mating Tab Thickness	.5 mm[.02 in]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Type	Tab
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With



Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.5 – 2.7 mm [.059 – .106 in]
Wire Size	.33 – .82 mm²

Usage Conditions

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

Circuit Application	Power
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Packaging Features

Packaging Quantity	5000
Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

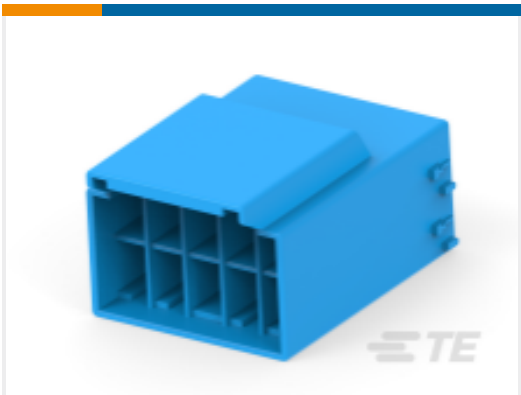
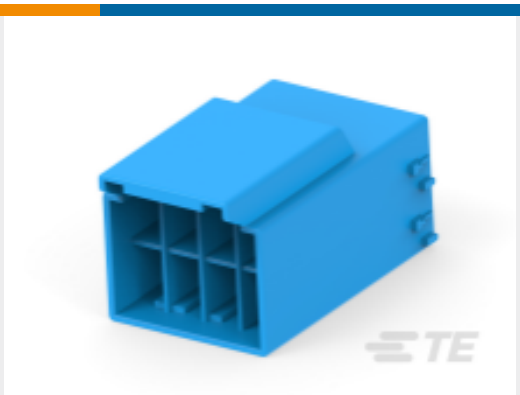
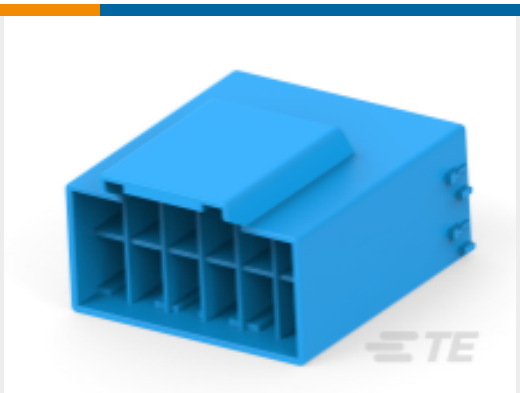
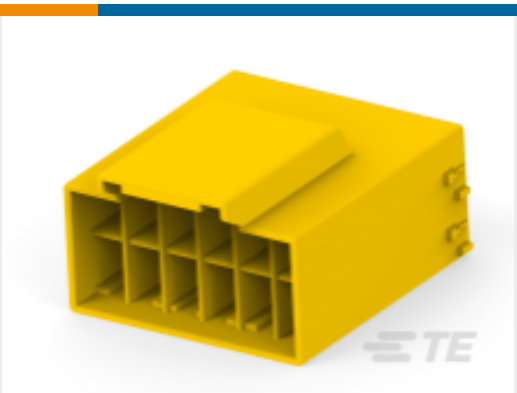
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 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-C1701 STD Temp GRACE INERTIA Cap	 TE Part # CAT-G7534-R2435 GRACE INERTIA Receptacle	 TE Part # 1612335-1 GRACE INERTIA 3.5 TAB CONTACT (M)	 TE Part # 1-2357096-2 GRACE INERTIA 3.5W CAP 12P RED (M)
 TE Part # 1729279-1 EXTRACTION TOOL FOR GIC 3.5 CONN.	 TE Part # 2151077-1 OCEAN_2.0_Applicator-S-070F110F-RSM	 TE Part # 2151077-2 OCEAN_2.0_Applicator-S-070F110F-RSA	 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp
 TE Part # 7-2151077-7 OCEAN_2.0_SPARE_PART_KIT-070F110F	 TE Part # 2-2357093-3 GRACE INERTIA 3.5W CAP 10P BLU	 TE Part # 2-2357090-3 GRACE INERTIA 3.5W CAP 8P BLU	 TE Part # 3-2357090-4 GRACE INERTIA 3.5W CAP 8P YEL
 TE Part # 3-2357093-4 GRACE INERTIA 3.5W CAP 10P YEL	 TE Part # 1-2357090-2 GRACE INERTIA 3.5W CAP 8P RED	 TE Part # 2-2357096-3 GRACE INERTIA 3.5W CAP 12P BLU	 TE Part # 3-2357096-4 GRACE INERTIA 3.5W CAP 12P YEL



 TE Part # 2357090-1 GRACE INERTIA 3.5W CAP 8P NAT	 TE Part # 2357093-1 GRACE INERTIA 3.5W CAP 10P NAT	 TE Part # 2357096-1 GRACE INERTIA 3.5W CAP 12P NAT	 TE Part # 1596277-1 SAHT GIC 3.5 22-18 ASSY
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Also in the Series | GRACE INERTIA 3.5

 Connector Contacts(4)	 Connector Hardware(4)	 Insertion & Extraction Tools(1)	 Rectangular Power Connectors(63)
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Customers Also Bought

 TE Part #917687-1 2.5 SIGNAL D/LOCK PLUG HSG 3P	 TE Part #2232576-1 2.5 SIGNAL DBL LOCK REC CONT M	 TE Part #316768-2 POWER DBL LOCK PLUG HSG 1P RED	 TE Part #3-1565085-4 GRACE INERTIA CONNECTOR 3.5 2P
 TE Part #179974-6 250 PL EX REC. 18-14AWG PTBR	 TE Part #5-917698-1 2.5 SIGNAL DBL LOCK D.L.P 2P	 TE Part #5-1565089-1 GRACE INERTIA CONNECTOR 3.5 2P PLATE	

Documents

Product Drawings
GRACE INERTIA 3.5 TAB CONTACT(L)

English

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1565080-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1565080-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1565080-1_B.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

[Engineering Report](#)

English

Instruction Sheets

[Extraction Tool for GIC 3.5 Conn.](#)

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese

Agency Approvals

[UL Report](#)

English