



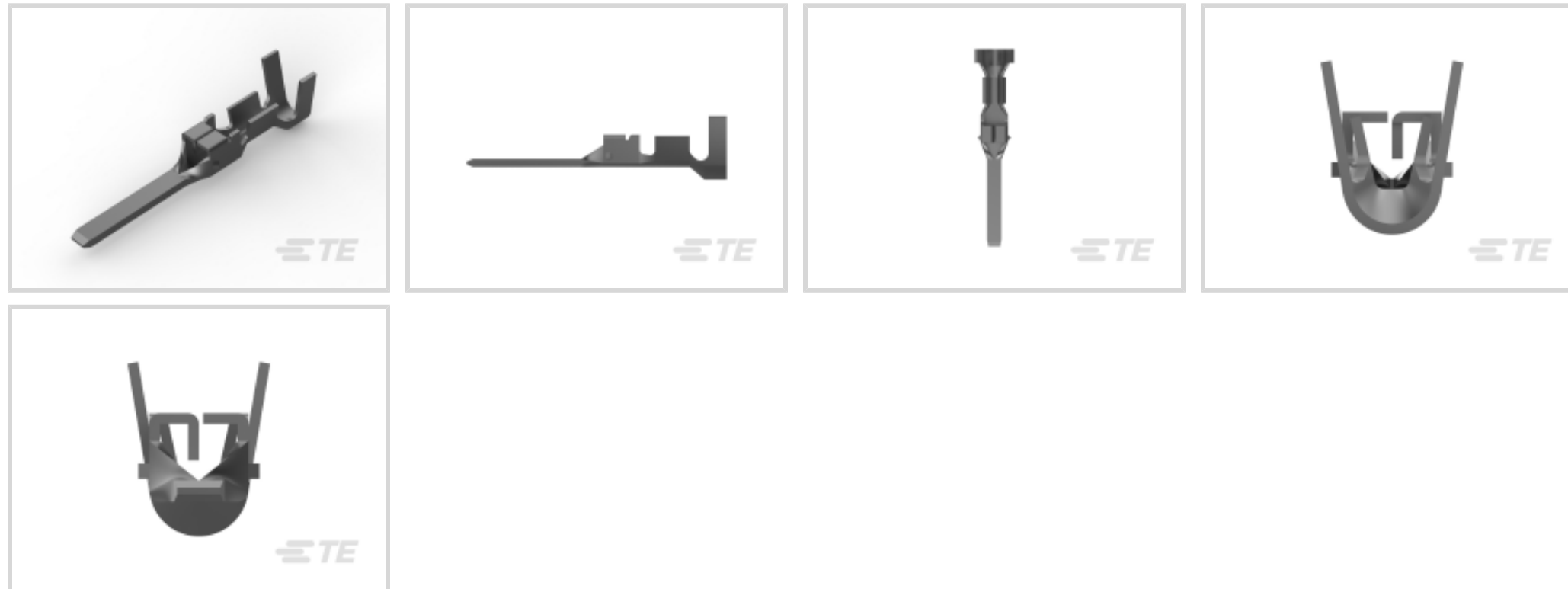
GRACE INERTIA 3.5

TE Internal #: 1612335-1

Tab Contact, Tin, 300 VAC, Locking Lance Contact Retention, 26 – 22 AWG Wire Size, .13 – .33 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	Matte
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
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Contact Current Rating (Max)	4 A
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Termination Features

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

Wire Insulation Support	Without
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Contact Retention Type Within Housing	Locking Lance
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Dimensions

Compatible Insulation Diameter Range	1.3 – 2 mm [.051 – .079 in]
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Wire Size	.13 – .33 mm ²
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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	6000
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Packaging Method	Reel
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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 applicable for solder process capability
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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-R2435
GRACE INERTIA Receptacle



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



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



TE Part # 1-2357096-2
GRACE INERTIA 3.5W CAP 12P RED



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



TE Part # 2151118-1
OCEAN_2.0_Applicator-S-055F100F



TE Part # 2151118-2
OCEAN_2.0_Applicator-S-055F100FA



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 4-1565085-1
GIC 3.5W 2P CAP E



TE Part # 4-1565085-2
GIC 3.5W 2P CAP F



TE Part # 4-1565085-4
GIC 3.5W 2P CAP H



TE Part # 7-2151118-1
OCEAN_2.0_Applicator-S-055F100F



TE Part # 7-2151118-2
OCEAN_2.0_Applicator-S-055F100FA



KIT
TE Part # 7-2151118-7
OCEAN_2.0_SPARE_PART_KIT-055F100F
REPRESENTATION ONLY



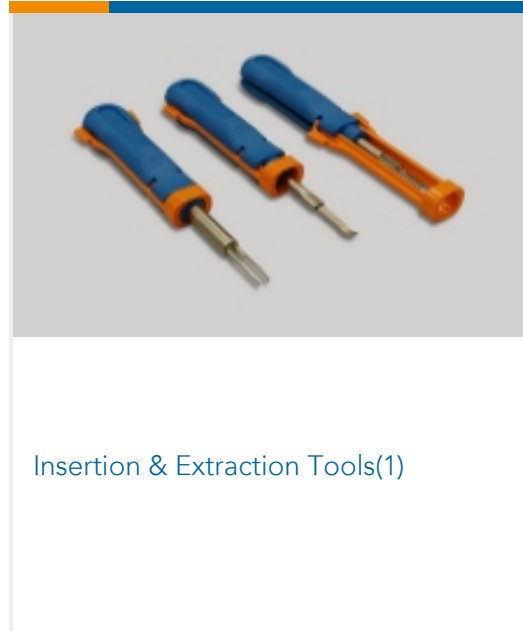
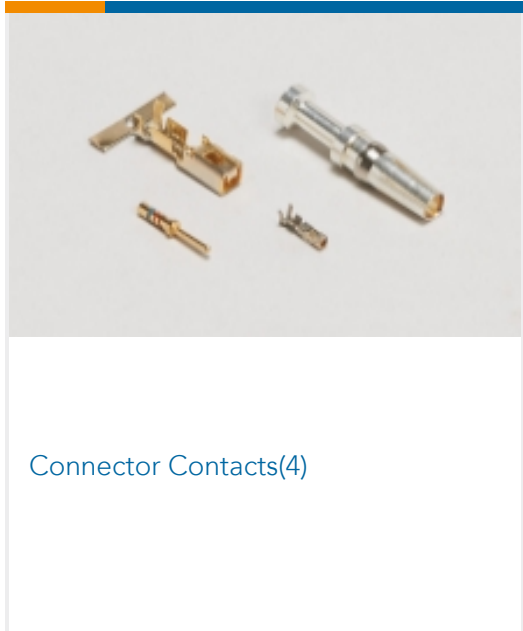
TE Part # 2-2357093-3
GRACE INERTIA 3.5W CAP 10P BLU



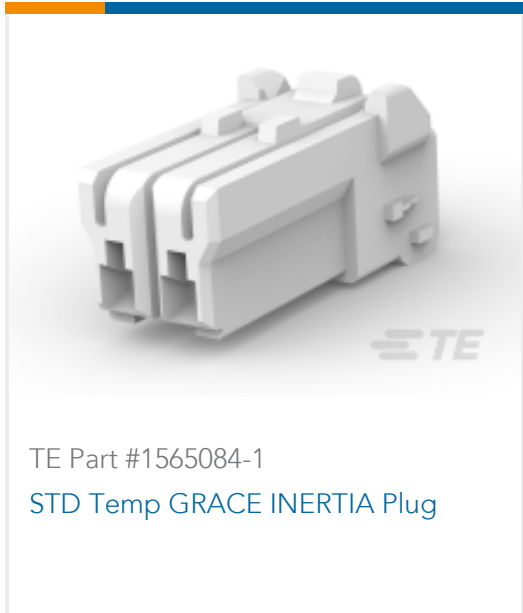
TE Part # 2-2357090-3
GRACE INERTIA 3.5W CAP 8P BLU



Also in the Series | **GRACE INERTIA 3.5**



Customers Also Bought



Documents

Product Drawings

[GRACE INERTIA 3.5 TAB CONTACT\(M\)](#)

English

CAD Files

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_1612335-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1612335-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1612335-1_C.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_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

[1-1773883-5 GRACE INERTIA connector quick reference guide](#)

English

Product Specifications

[Engineering Report](#)

English