

WIN*SOURCE*
ELECTRONICS

THE DATASHEET OF
1612334-1





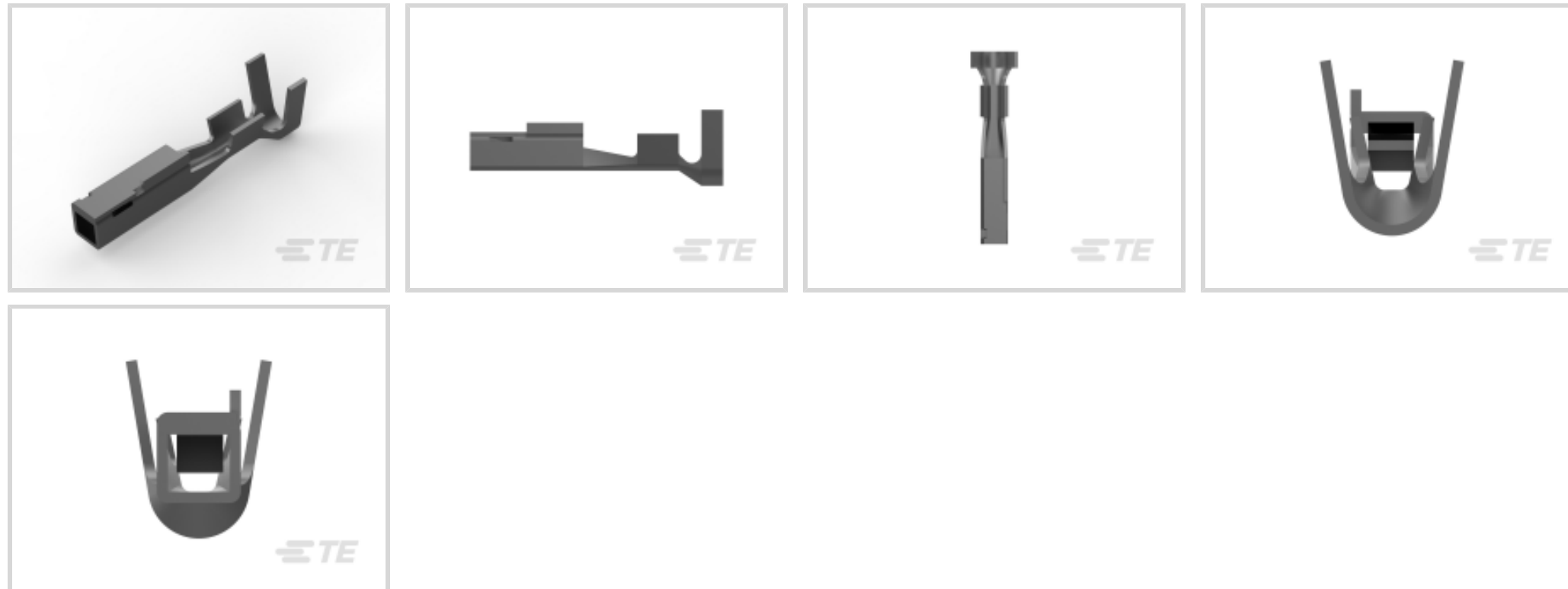
GRACE INERTIA 3.5

TE Internal #: 1612334-1

Receptacle Contact, Tin, 300 VAC, Locking Lance Contact Retention, 26 – 22 AWG Wire Size, .13 – .33 mm² Wire Size, Crimp, GRACE INERTIA 3.5

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts > GRACE INERTIA Receptacle



Contact Type: **Receptacle**

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 Receptacle \(5\)](#)

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]
Contact Orientation	Straight
Contact Type	Receptacle
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)	4 A
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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	1.3 – 2 mm [.051 – .079 in]
Wire Size	.13 – .33 mm ²

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
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-P729
STD Temp GRACE INERTIA Plug



TE Part # CAT-G7534-T111
GRACE INERTIA Tab



TE Part # 1565079-1
GRACE INERTIA 3.5 REC CONTACT(L)



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



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



TE Part # 2151118-2
OCEAN_2.0_Applicator-S-055F100F-RSA



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 # 7-2151118-7
OCEAN_2.0_SPARE_PART_KIT-055F100F



TE Part # 2-2357089-3
GRACE INERTIA 3.5W PLUG 8P BLU



TE Part # 1-2357092-2
GRACE INERTIA 3.5W PLUG 10P RED



TE Part # 2-2357095-3
GRACE INERTIA 3.5W PLUG 12P BLU



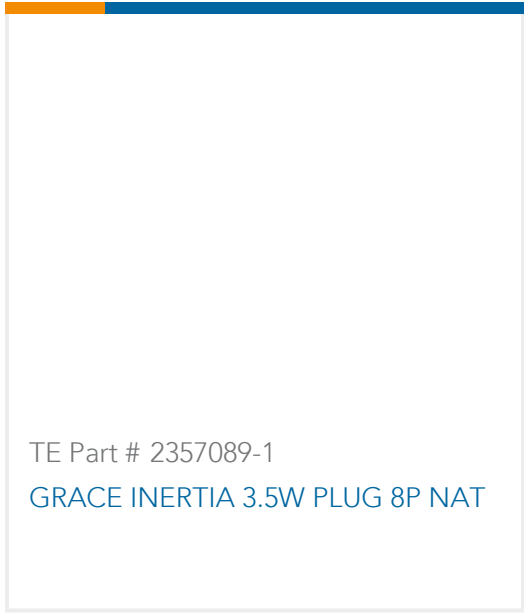
TE Part # 1-2357089-2
GRACE INERTIA 3.5W PLUG 8P RED



TE Part # 2-2357092-3
GRACE INERTIA 3.5W PLUG 10P BLU



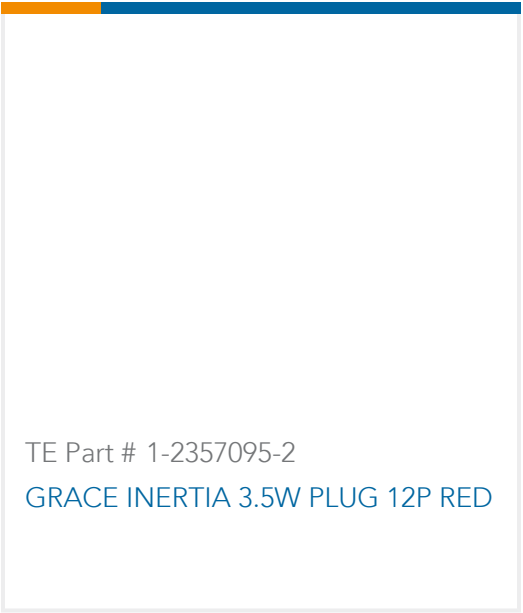
TE Part # 3-2357089-4
GRACE INERTIA 3.5W PLUG 8P YEL



TE Part # 2357089-1
GRACE INERTIA 3.5W PLUG 8P NAT

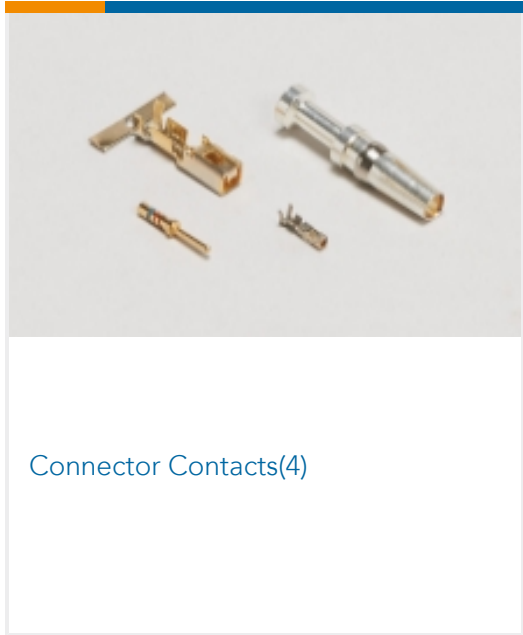


TE Part # 2357092-1
GRACE INERTIA 3.5W PLUG 10P NAT



TE Part # 1-2357095-2
GRACE INERTIA 3.5W PLUG 12P RED

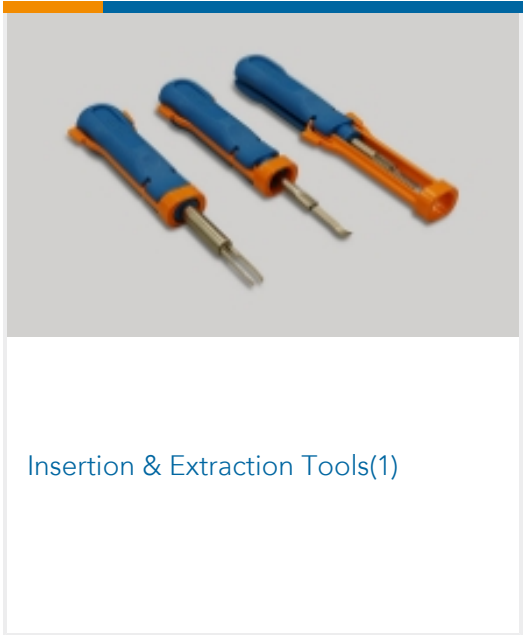
Also in the Series | GRACE INERTIA 3.5



Connector Contacts(4)



Connector Hardware(4)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(63)

Customers Also Bought



TE Part #1565084-1
STD Temp GRACE INERTIA Plug



TE Part #4-1123722-3
3.96 EP PLUG HSG 3P(RED)



TE Part #179466-1
AMP POWER DBL LOCK CAP HSG 6P



TE Part #2-1565085-3
GRACE INERTIA CONNECTOR 3.5 2P



TE Part #2232568-1
GIC 2.5 W PLUG HSG 2P NATURAL

Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_1612334-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1612334-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1612334-1_C.3d_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_1612334-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1612334-1_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1612334-1_O.2d_dxf.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

Instruction Sheets

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

Japanese

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

Japanese

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

[View 1612334-1 on WIN SOURCE](#)

[TE Connectivity Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management