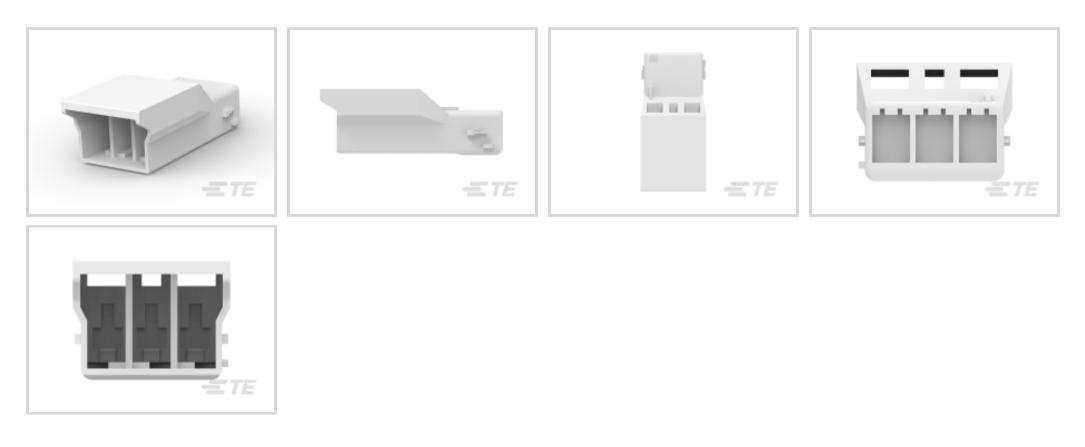


## GRACE INERTIA 3.5 TE Internal #: 1565086-1 Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 3 Position, .138 in [3.5 mm] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5

#### 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: 3

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	3
Keying	A
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1

#### **Electrical Characteristics**

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 3 Position, .138 in [3.5 mm] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5



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	Natural
Housing Material	Nylon 6/6 GF
Dimensions	
Height	9.3 mm[.366 in]
Length	12.55 mm[.493 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	

**C** For support call+1 800 522 6752

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 3 Position, .138 in [3.5 mm] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5



Packaging Method	Bag
Packaging Quantity	300
Other	
For Use With	Plug Housing

### 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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

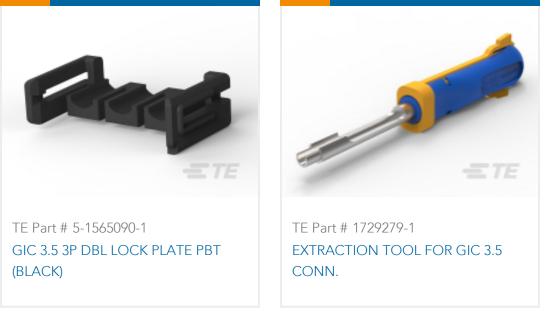
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 3 Position, .138 in [3.5 mm] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5







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



11130111	LAUGUOI	10013	. י י

# Customers Also Bought



## Documents

**Product Drawings GRACE INERTIA CONNECTOR 3.5 3P** 

English

#### **CAD** Files

3D PDF

3D

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 3 Position, .138 in [3.5 mm] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.5



**Customer View Model** 

ENG\_CVM\_CVM\_1565086-1\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1565086-1\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1565086-1\_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\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

1-1773883-5 GRACE INERTIA connector quick reference guide

English

**Product Specifications** 

English

English

**Product Environmental Compliance** 

MD\_1565086-1\_09062018656\_dmtec

English

MD\_1565086-1\_09062018656\_dmtec

English

**Instruction Sheets** 

Extraction Tool for GIC 3.5 Conn.

Japanese

Instruction Sheet (non U.S.)

Japanese

Agency Approvals **UL Report** 

English