

GRACE INERTIA 2.0 TE Internal #: 2-1971030-8 Rectangular Connector Housings, Wire-to-Board, 8 Position, .079 in [2 mm] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.0

#### View on TE.com >

Connectors > Rectangular Connectors > Rectangular Connector Housings > STD Temp Sig GRACE INERTIA Plug



Connector System: Wire-to-Board

Number of Positions: 8

Centerline (Pitch): 2 mm [.079 in ]

Number of Rows: 1

Housing Material: Nylon 66 GF

#### All STD Temp Sig GRACE INERTIA Plug (63)

**TE** 

### Features

#### Product Type Features

Connector System	Wire-to-Board
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector Type	Housing
Product Type	Connector
Configuration Features	
Configuration Features Number of Cavities	8
	8
Number of Cavities	
Number of Cavities Number of Positions	8

#### 2-1971030-8

Rectangular Connector Housings, Wire-to-Board, 8 Position, .079 in [2 mm] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.0



Housing Features       2 mm[.0         Centerline (Pitch)       2 mm[.0         Housing Material       Nylon 60         Housing Color       Blue         Dimensions       7.9 mm[         Length       7.9 mm[         Width       6.75 mm         Jsage Conditions       17.2 mm	
Multiple Contact Types       Without         Shunts/Shorting Bars       Without         Contact Type       Socket         Acchanical Attachment       No         Panel Mount       No         Panel Mount Feature       Without         Connector Mounting Type       Cable M         Consector Mounting Type       Cable M         Consector Mounting Type       Cable M         Consector Mounting Type       Socket         Consector Mounting Type       Socket         Consector Mounting Type       Cable M         Consector Mounting Type       Cable M         Consector Mounting Type       Socket         Multiple       Socket         Housing Color       Socket         Without       7.9 mm         Length       7.9 mm         Length       Socket         Operating Temperature Range       -30 – 10         Operation/Application       Socket         Assembly Integration Feature	
Shunts/Shorting Bars       Without         Contact Type       Socket         Acchanical Attachment       No         Panel Mount       No         Panel Mount Feature       Without         Connector Mounting Type       Cable Moust         Connector Mounting Type       Cable Moust         Housing Features       Youndoor Moust         Centerline (Pitch)       2 mm[.0]         Housing Material       Nylon 6         Housing Color       Blue         Dimensions       Youndoo         Length       7.9 mm[         Length       7.9 mm[         Jage Conditions       Youndoo         Operating Temperature Range       -30 – 10         Operating Temperature Range       -30 – 10         Operating Temperature Range       -30 – 10         Operation/Application       Youndoo         Halogen Free       No         Circuit Application       Signal         For Use With       Header         Header       Header	
Contact Type       Socket         Acchanical Attachment       No         Panel Mount       No         Panel Mount Feature       Without         Connector Mounting Type       Cable M         Housing Features       Cable M         Contectine (Pitch)       2 mm [.0]         Housing Material       Nylon 6         Housing Color       Blue         Dimensions       7.9 mm [.0]         Utidth       6.75 mm         Jage Conditions       7.9 mm [.0]         Operating Temperature Range       -30 - 10         Operating Temperature Range       -30 - 10         Operation/Application       Nithout         Assembly Integration Feature       No         Gircuit Application       Signal         For Use With       Header	
Acchanical Attachment       No         Panel Mount       No         Panel Mount Feature       Without         Connector Mounting Type       Cable M         Housing Features       2 mm[.0         Housing Material       Nylon 6         Housing Color       Blue         Dimensions       7.9 mm[         Length       7.9 mm[         Udth       6.75 mm         Sage Conditions       30 - 10         Operating Temperature Range       -30 - 10         Operating Temperature Range       -30 - 10         Operation/Application       No         For Use With       Signal         For Use With       Header	
Panel Mount       No         Panel Mount Feature       Without         Connector Mounting Type       Cable M         clousing Features       Cable M         Contectine (Pitch)       2 mm[.0]         Housing Material       Nylon 6         Housing Color       Blue         Dimensions       7.9 mm[         Length       7.9 mm[         Vidth       6.75 mm         Jsage Conditions       -30 - 10         Operating Temperature Range       -30 - 10         Operating Temperature Range       -30 - 10         Operation/Application       No         Gircuit Application Feature       Without         Halogen Free       No         Circuit Application Marking       Signal         For Use With       Header	
Panel Mount FeatureWithoutConnector Mounting TypeCable Mclousing FeaturesImage: Conterline (Pitch)2 mm [.0]Housing MaterialNylon 6Housing ColorBlueDimensionsImage: Conterline (Pitch)2.9 mm [.0]Length7.9 mm [.0]Uidth6.75 mmJage ConditionsImage: Conterline (Pitch)3.0 - 10Operating Temperature Range-30 - 10Operation/Application-30 - 10Circuit Application FeatureMithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderConterline MarkingSignal	
Connector Mounting Type       Cable M         Housing Features       2 mm[.0]         Centerline (Pitch)       2 mm[.0]         Housing Material       Nylon 6         Housing Color       Blue         Dimensions       7.9 mm[         Length       7.9 mm[         Vidth       6.75 mm         Jsage Conditions       30 – 10         Operating Temperature Range       -30 – 10         Operating Temperature Range       -30 – 10         Operation/Application       No         Circuit Application       Signal         For Use With       Header	
Housing Features       2 mm [.0]         Centerline (Pitch)       2 mm [.0]         Housing Material       Nylon 6         Housing Color       Blue         Housing Color       Blue         Dimensions       7.9 mm [         Length       7.9 mm [         Vidth       6.75 mm         Jsage Conditions       -30 - 10         Operating Temperature Range       -30 - 10         Operation/Application       -30 - 10         Circuit Application Feature       Not         For Use With       Biggal         Header	
Centerline (Pitch)2 mm[.0]Housing MaterialNylon 6Housing ColorBlueDimensions2Height7.9 mm[Length17.2 mmWidth6.75 mmJsage Conditions30 – 10Operating Temperature Range-30 – 10Operation/Application30 – 10Operation/ApplicationNoAssembly Integration FeatureWithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderConditionsSignal	ount (Free-Hanging)
Housing MaterialNylon &Housing ColorBlueDimensionsIHeight7.9 mmLength17.2 mmWidth6.75 mmJsage ConditionsIOperating Temperature Range-30 – 10Operation/Application-30 – 10Operation/ApplicationNoCircuit ApplicationSignalFor Use WithHeaderCircuit ApplicationSignalCircuit ApplicationSignalFor Use WithHeaderCircuit ApplicationSignalCircuit ApplicationSignalFor Use WithHeaderCircuit ApplicationSignalCircuit ApplicationS	
Housing Color       Blue         Dimensions       7.9 mm[         Height       7.9 mm[         Length       17.2 mm         Width       6.75 mm         Jsage Conditions       -30 – 10         Operating Temperature Range       -30 – 10         Operation/Application       Vithout         Halogen Free       No         Circuit Application       Signal         For Use With       Header         Circuit Application       Signal         For Use With       Header	79 in]
Dimensions   Height 7.9 mm[   Length 17.2 mm   Width 6.75 mm   Width 6.75 mm   Jsage Conditions -30 – 10   Operating Temperature Range -30 – 10   Operation/Application -30 – 10   Operation/Application Vithout   Halogen Free No   Circuit Application Signal   For Use With Header	GF
Height7.9 mmLength17.2 mmWidth6.75 mmVidth6.75 mmJsage Conditions-30 - 10Operating Temperature Range-30 - 10Operation/Application-30 - 10Operation/ApplicationVithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderdentification MarkingVithout	
Length       17.2 mm         Width       6.75 mm         Jsage Conditions       -30 – 10         Operating Temperature Range       -30 – 10         Operation/Application       -30 – 10         Operation/Application       Without         Halogen Free       No         Circuit Application       Signal         For Use With       Header	
Width6.75 mmJsage Conditions-30 - 10Operating Temperature Range-30 - 10Operation/ApplicationWithoutAssembly Integration FeatureWithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderdentification MarkingSignal	311 in]
Jsage Conditions       -30 – 10         Operating Temperature Range       -30 – 10         Operation/Application       Vithout         Assembly Integration Feature       Without         Halogen Free       No         Circuit Application       Signal         For Use With       Header	[.677 in]
Operating Temperature Range-30 - 10Operation/ApplicationVithoutAssembly Integration FeatureWithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderCentification MarkingVithout	[.266 in]
Description   Assembly Integration Feature   Halogen Free   No   Circuit Application   For Use With   Header   dentification Marking	
Assembly Integration FeatureWithoutHalogen FreeNoCircuit ApplicationSignalFor Use WithHeaderdentification MarkingSignal	5 °C[-22 – 221 °F]
Halogen FreeNoCircuit ApplicationSignalFor Use WithHeaderclentification MarkingKentification Marking	
Circuit Application       Signal         For Use With       Header         dentification Marking       Header	
For Use With Header dentification Marking	
dentification Marking	
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Circuit Identification Feature Without	
Without without without without	
ndustry Standards	
Agency/Standard UL	
UL Flammability Rating UL 94V-	

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

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Packaging Quantity	200
Packaging Method	Package
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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

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**



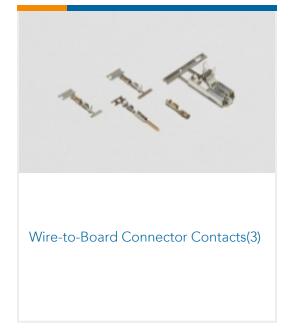
# Also in the Series | GRACE INERTIA 2.0

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#### Documents

**Product Drawings** 8POS Plug Housing for GIC 2.0 EV Series

English

**CAD** Files 3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-1971030-8\_F\_c-2-1971030-8-f.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1971030-8\_F\_c-2-1971030-8-f.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1971030-8\_F\_c-2-1971030-8-f.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