

7-1971793-1 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 7-1971793-1

Rectangular Connector Housings, Wire-to-Board, 7 Position, .098 in [2.5 mm] Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.5

[View on TE.com >](#)

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



Connector System: **Wire-to-Board**

Number of Positions: 7

Centerline (Pitch): 2.5 mm [.098 in]

Number of Rows: 1

Housing Material: **Nylon 66 GF**

[All STD Temp Sig GRACE INERTIA Plug \(63\)](#)

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

Number of Cavities	7
Number of Positions	7
Number of Rows	1
Preloaded	No

Electrical Characteristics



Operating Voltage	50 VDC
-------------------	--------

Contact Features

Multiple Contact Types	Without
Contact Layout	Inline
Shunts/Shorting Bars	Without
Contact Type	Socket

Mechanical Attachment

Panel Mount	No
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.5 mm [.098 in]
Housing Material	Nylon 66 GF
Housing Color	Natural

Dimensions

Height	10.4 mm [.409 in]
Length	18.2 mm [.716 in]
Width	5.88 mm [.231 in]

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Signal
For Use With	Header

Identification Marking

Circuit Identification Feature	Without
--------------------------------	---------

Industry Standards

Agency/Standard	UL
UL File Number	E28476
UL Flammability Rating	UL 94V-0
UL Rating	Recognized

Packaging Features

Packaging Quantity	900
Packaging Method	Bag

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.
Solder Process Capability	Not reviewed 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>

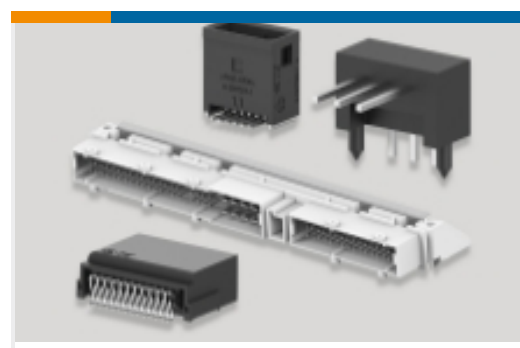
Compatible Parts



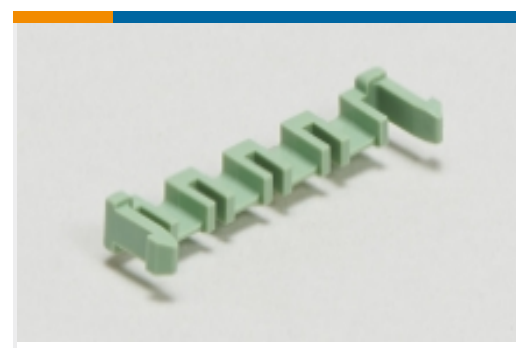
Also in the Series | **GRACE INERTIA 2.5**



Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



Rectangular Connector Housings(49)



Rectangular Connector Locking(2)



Rectangular Power Connectors(35)

Wire-to-Board Connector Assemblies
& Housings(72)

Wire-to-Board Connector Contacts(5)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_7-1971793-1_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1971793-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1971793-1_J.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English

7-1971793-1

Rectangular Connector Housings, Wire-to-Board, 7 Position, .098 in [2.5 mm]
Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.5

