

5-1971793-5 ✓ ACTIVE



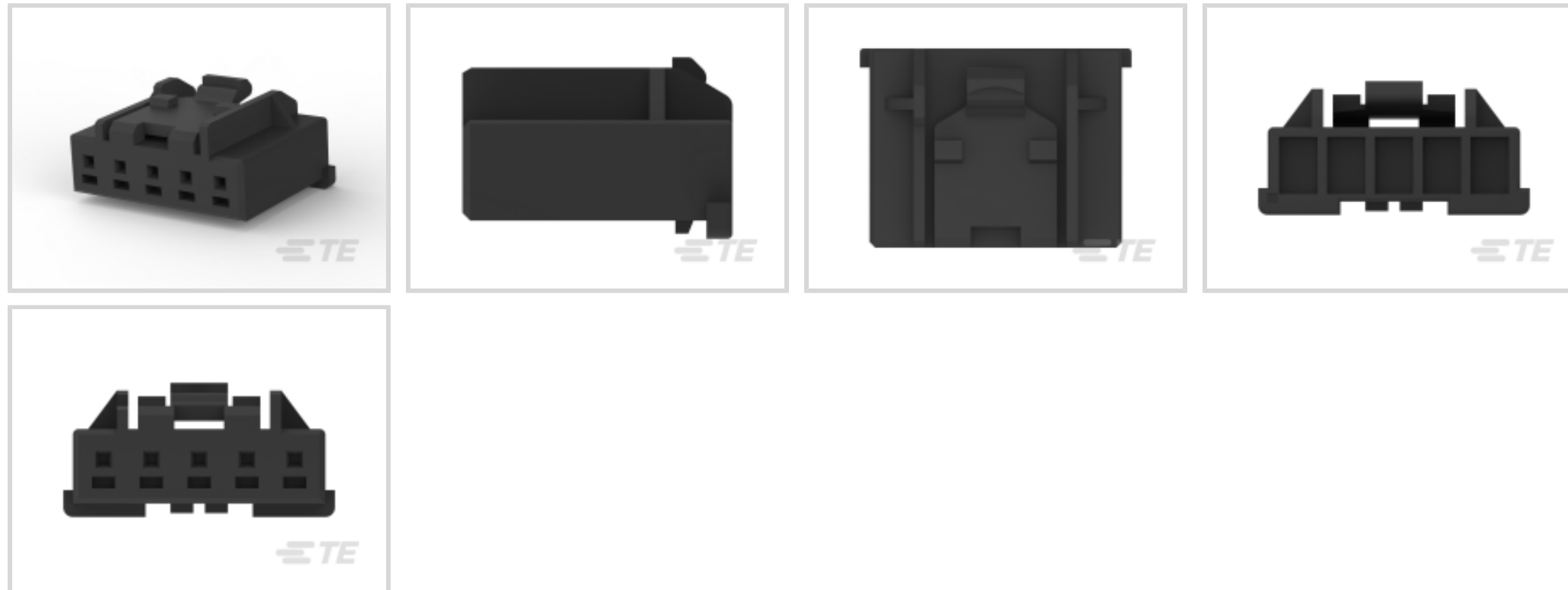
GRACE INERTIA 2.5

TE Internal #: 5-1971793-5

Rectangular Connector Housings, Wire-to-Board, 5 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: 5

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	5
Number of Positions	5
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	Black
---------------	-------

Dimensions

Height	10.4 mm [.409 in]
--------	-------------------

Length	13.2 mm [.52 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	Not Yet Reviewed
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 2019 (197) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

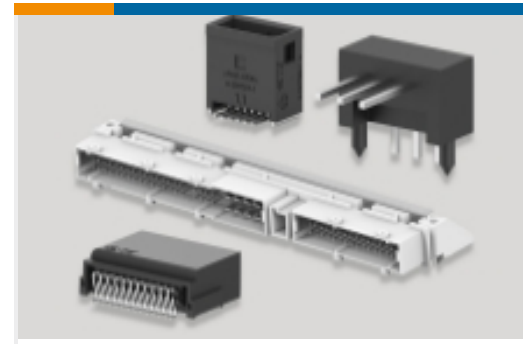
Compatible Parts



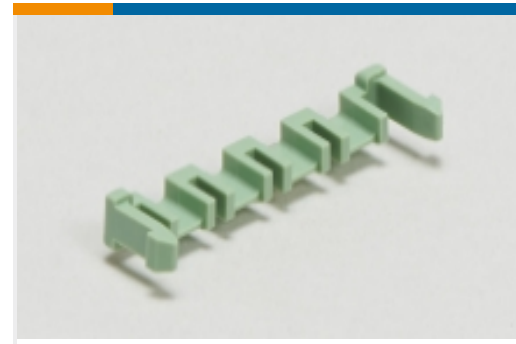
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(2)



PCB Headers & Receptacles(138)



PCB Latches, Locks & Retainers(5)



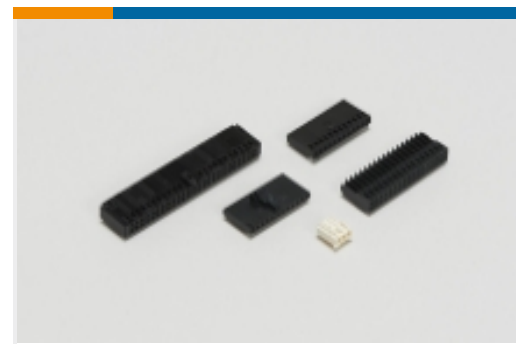
Rectangular Connector Housings(49)



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_5-1971793-5_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1971793-5_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1971793-5_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

5-1971793-5

Rectangular Connector Housings, Wire-to-Board, 5 Position, .098 in [2.5 mm]
Centerline, 1 Row, Nylon 66 GF, Plug, Socket, GRACE INERTIA 2.5



UL Report

English