6-1971793-3 ✔ ACTIVE

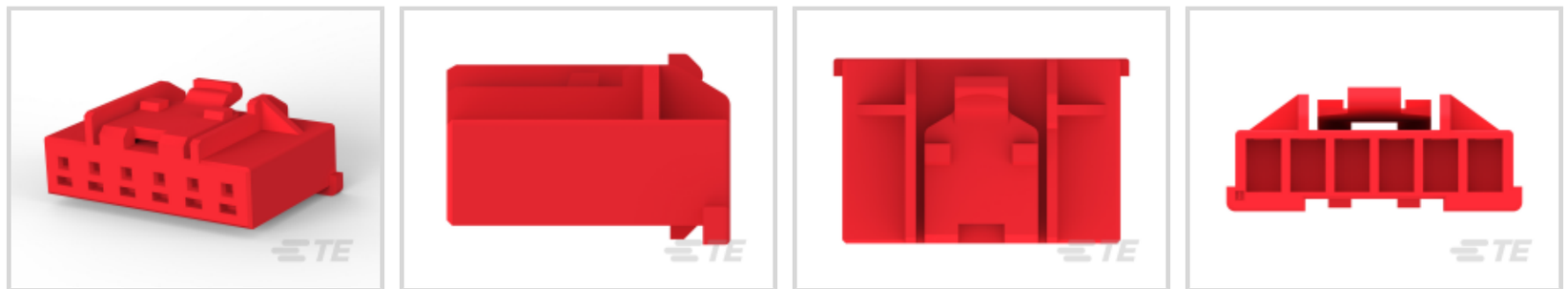
GRACE INERTIA 2.5

TE Internal #: 6-1971793-3

Housing, Plug, Wire-to-Wire, 6 Position, .098 in [2.5 mm] Centerline, Crimp, 1 Row, Red, Mating Retention, Wire & Cable, GRACE INERTIA 2.5

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings > Glow Wire Sig GRACE INERTIA Plug



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

All Glow Wire Sig GRACE INERTIA Plug (20)

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Connector & Keying Code	C
Primary Product Color	Red

Contact Features

Contact Retention Within Housing	Without
Contact Layout	Inline
Contact Type	Tab
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	PA 66 GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	15.7 mm[.618 in]
Connector Height	5.88 mm[.231 in]
Wire Size	.081 - .326 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	400
Packaging Method	Bag & Box

Product Compliance

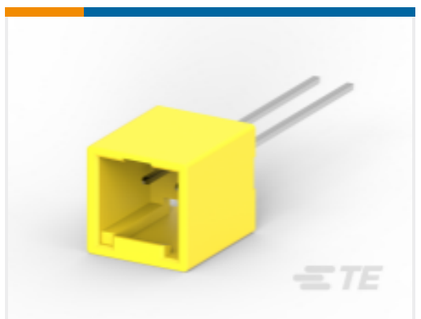
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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



TE Part # CAT-G7534A-H342
STD Temp Sig GRACE INERTIA Header

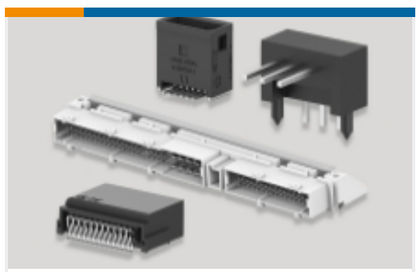
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(138)



Rectangular Connector Housings(49)

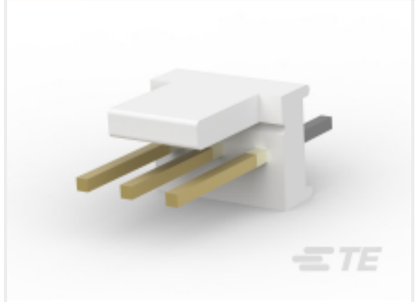


Rectangular Power Connectors(35)



Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought



TE Part # 1-640454-0
PCB Header: Polyester, Vertical, 2.54 mm



TE Part # 3-641535-2
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



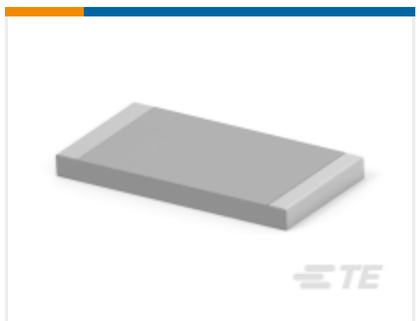
TE Part # 8-215083-0
MICRO-MATCH MOW.10P



TE Part # 7-1879215-9
CPF 0402 30K1 0.1% 25PPM 1K RL



TE Part # 2-2176341-9
CRGCQ 0805 2K2 1%



TE Part # 2-2176331-4
CRGP 2512 820R 1%



TE Part # 4-1971793-1
NEW GI CONN2.5 PLUG HSG 4P NC



TE Part # 1483353-3
MICRO-MATCH LEAD 10P 250MM

Documents

Product Drawings

NEW GI CONN2.5 PLUG HSG 6P RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1971793-3_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1971793-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1971793-3_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

5-1773465-3-GI2.5Flyer

English

7-1773465-8-GI2.5-ChineseFlyer

Product Specifications

Application Specification

English