

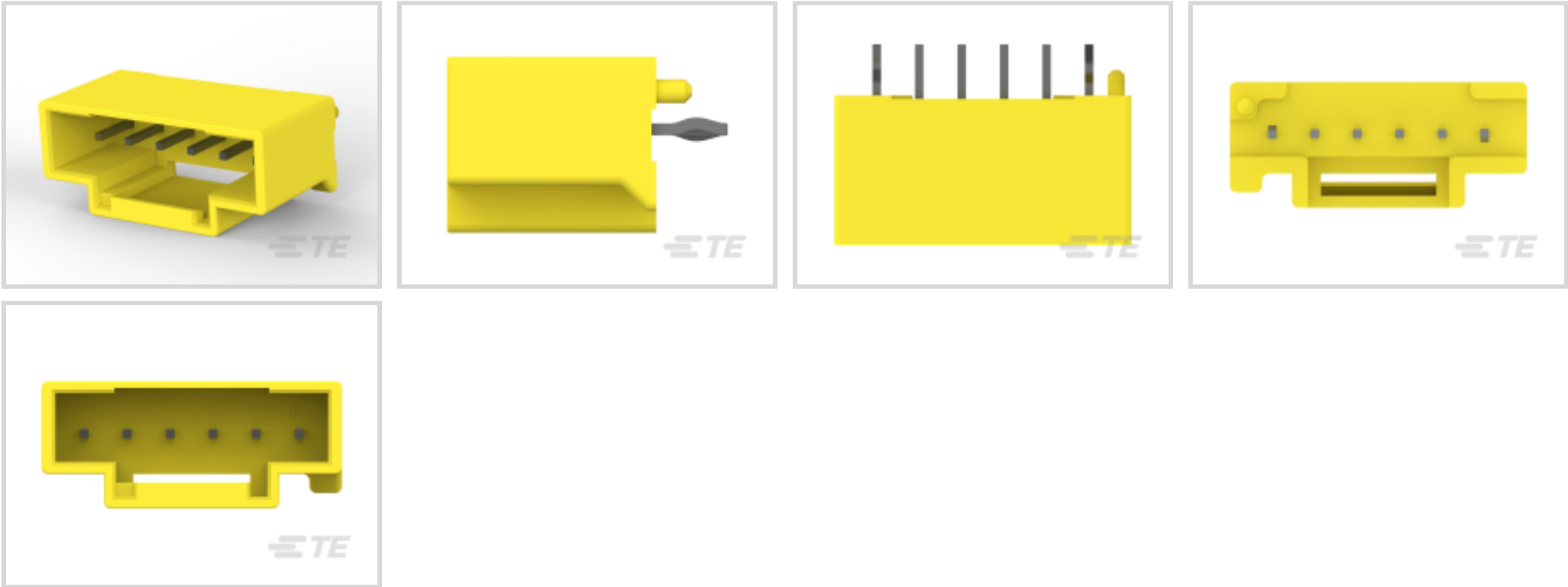


GRACE INERTIA 2.5

TE Internal #: 6-1971798-4
PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 2.5

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Glow Wire Sig GRACE INERTIA Header



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Number of Rows: **1**

[All Glow Wire Sig GRACE INERTIA Header \(39\)](#)

Features

Electrical Characteristics

Operating Voltage	50 VDC
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Dimensions

Connector Width	7.38 mm[.29 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.8 mm[.34 in]
Connector Length	17.5 mm[.68 in]

Packaging Features

Packaging Quantity	750
Packaging Method	Box, Bag

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476



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

Body Features

Connector & Keying Code	D
Primary Product Color	Yellow

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Keyed
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Square Post Dimension	.5 mm[.02 in]
Mating Tab Width	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte



Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	3 A

Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.5 mm[.098 in]

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241)



	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

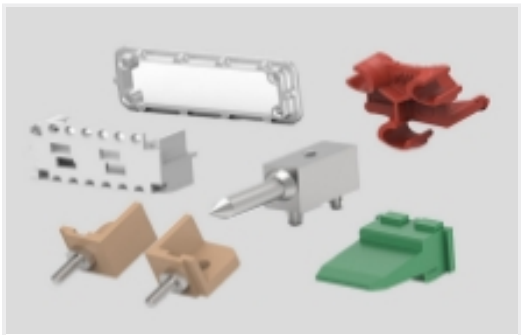


TE Part # CAT-G7534A-H342A
[Glow Wire Sig GRACE INERTIA Header](#)

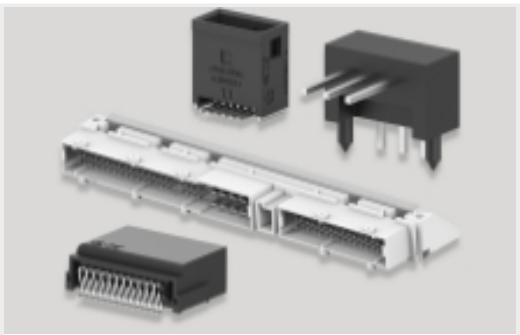
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Power Contacts(2)



Rectangular Connector Housings(49)



Wire-to-Board Connector Assemblies & Housings(47)



Wire-to-Board Headers & Receptacles (173)

Customers Also Bought



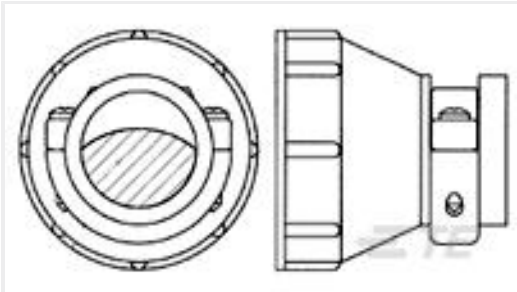
TE Part #1-640454-0
10P MTA100 HDR ASSY SQ STR POL



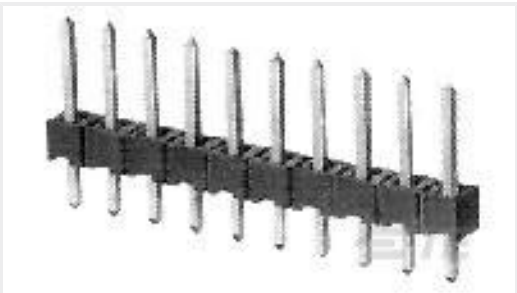
TE Part #3-1393236-0
V23092-A1024-A801



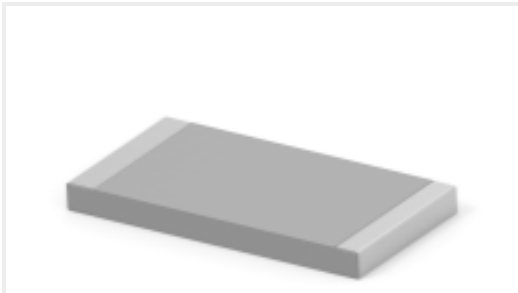
TE Part #CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



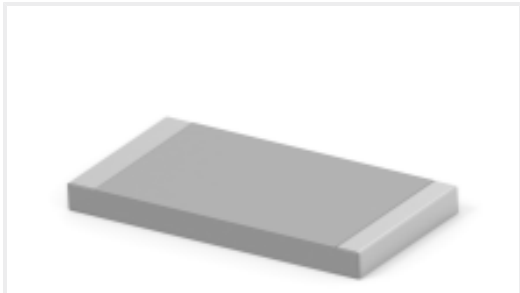
TE Part #182663-1
13 SIZE CPC STD CLAMP



TE Part #826629-6
06P AMPMODU II PIN HDR.



TE Part #2-2176331-1
CRGP 2512 470R 1%



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



TE Part #6-1971798-3
NEW GI CONN2.5 HDR ASMBLY 6P RED D1.0



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

Documents

Product Drawings

NEW GI CONN2.5 HDR ASMBLY 6P YLW D1.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1971798-4_E_c-6-1971798-4-e.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_6-1971798-4_E_c-6-1971798-4-e.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971798-4_E_c-6-1971798-4-e.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[5-1773465-3-GI2.5Flyer](#)

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL](#)

English