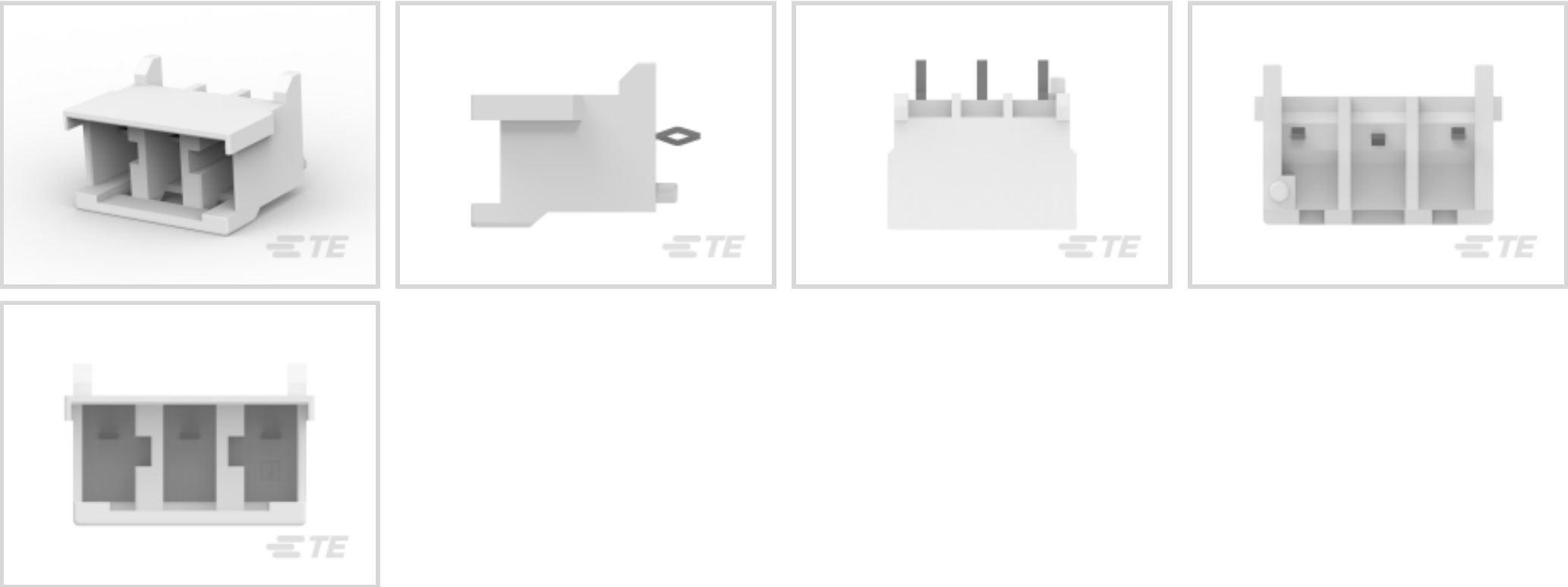




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VDC
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Body Features

Connector & Keying Code	A
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 3 µm[31.496 – 118.11 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Tab Width	1.5 mm[.059 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.36 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Mating Area Length	6 mm[.236 in]
Contact Base Material	Copper Alloy
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Inertia Locking



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

Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	6.5 mm[.255 in]

Dimensions

Connector Width	11.75 mm[.462 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	14.5 mm[.57 in]
Connector Length	20.1 mm[.791 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Method	Bag

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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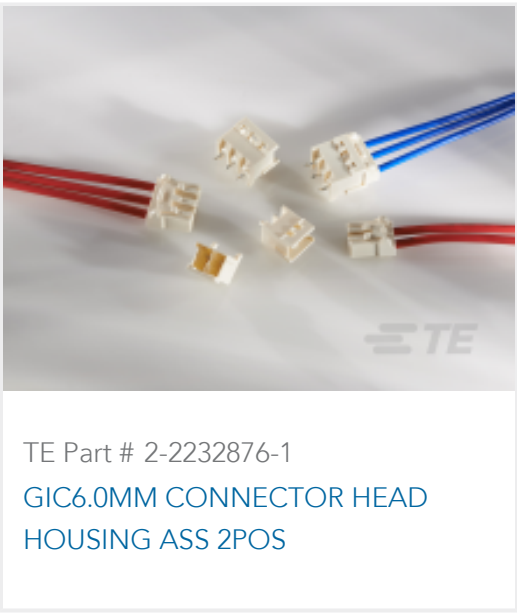
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

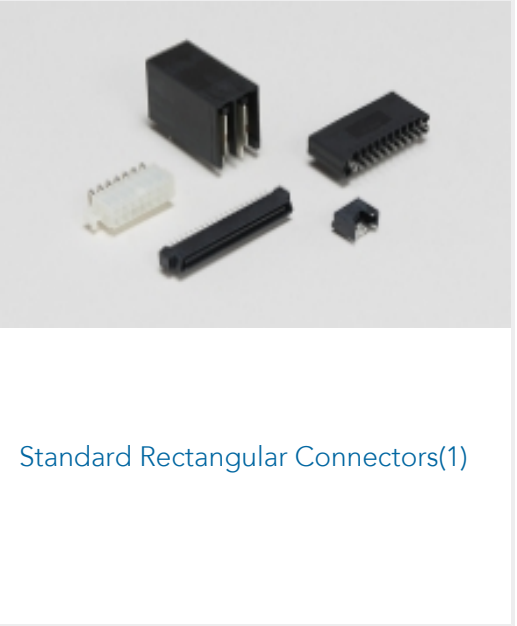
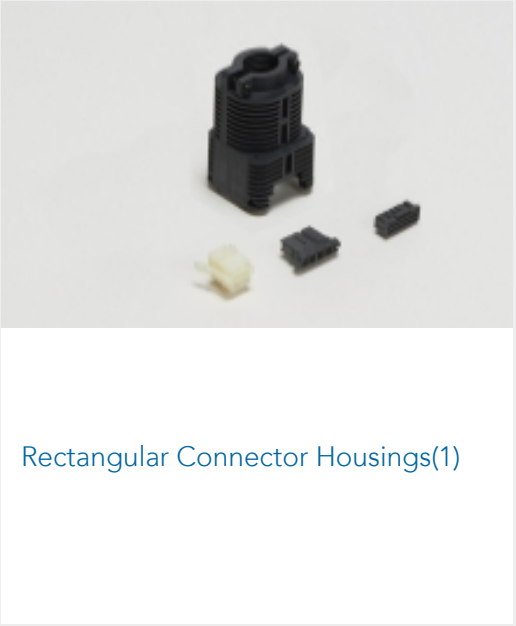
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

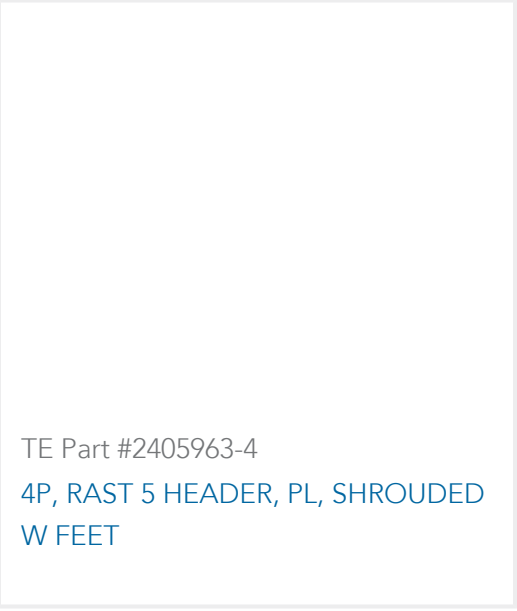
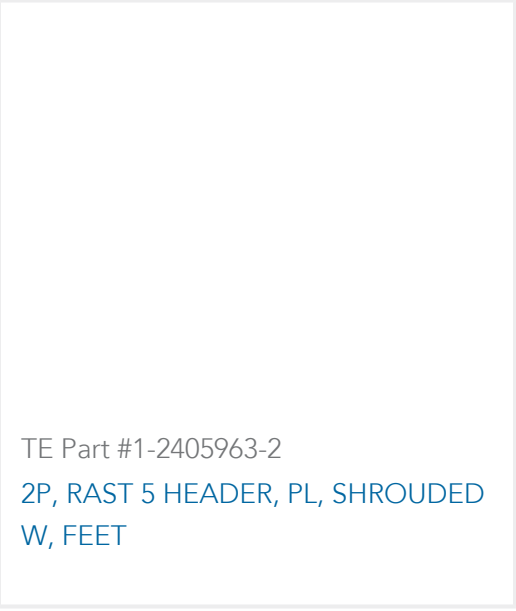
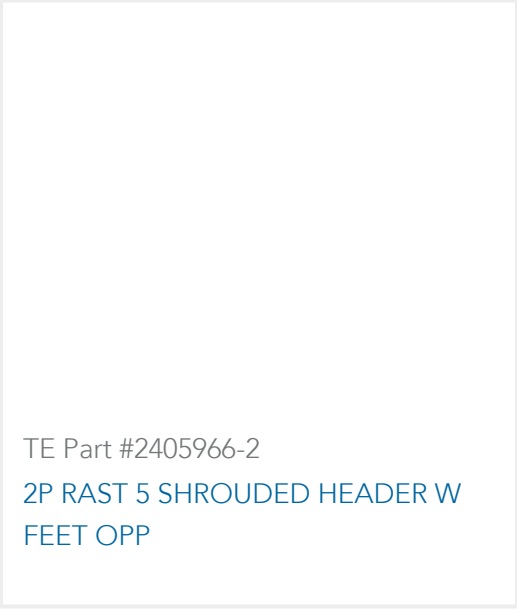
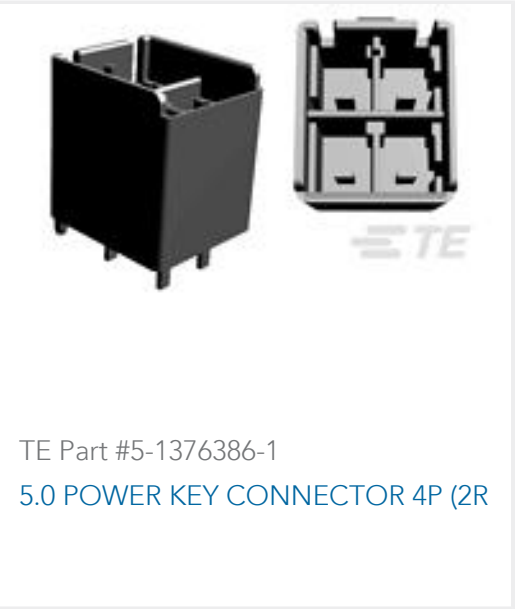
 TE Part # 1-1747049-2 GIC 6.5MM PITCH CONN HDR ASS'Y 3POS RED	 TE Part # 3-2232876-1 GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS	 TE Part # 3-2232876-3 GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS	 TE Part # 2-1747049-1 GRACE INERTIA CONNECTOR 6.5 3POS HEADER
 TE Part # CAT-G7534-P729A Glow Wire GRACE INERTIA Plug	 TE Part # 2-1747049-3 GIC 6.5MM PITCH CONN HDR ASS'Y 3POS BLUE	 TE Part # 3-1747049-4 GIC 6.5MM CONN HDR ASS'Y 3POS YELLOW	 TE Part # 3-2232876-4 GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS

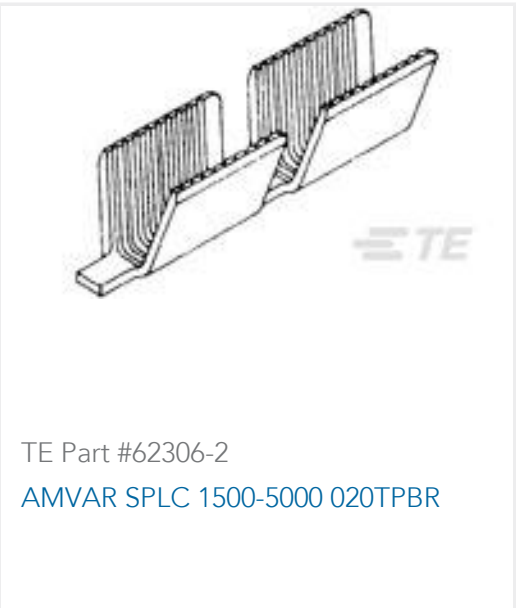


Also in the Series | GRACE INERTIA 6.5



Customers Also Bought





Documents

Product Drawings

GRACE INERTIA CONNECTOR 6.5 3POS HEADER

English

CAD Files

Customer View Model

ENG_CVM_CVM_1747049-1_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747049-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747049-1_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Application Specification

English