3-1971906-2 ✔ ACTIVE

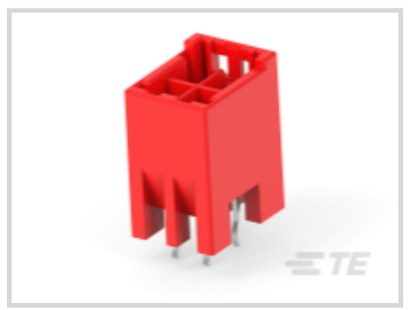
GRACE INERTIA 3.3

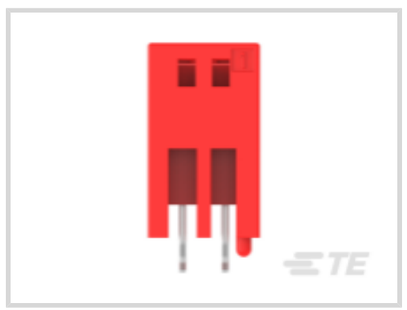
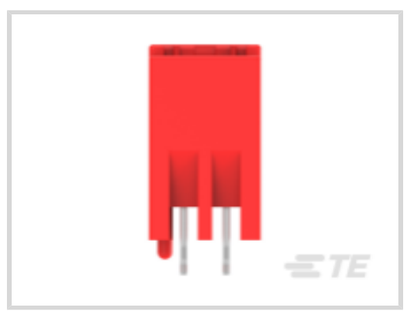
TE Internal #: 3-1971906-2

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.3 mm [.129 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 3.3

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **4**

Number of Rows: **2**

Centerline (Pitch): **3.3 mm [.129 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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

Number of Power Positions	4
Number of Columns	2
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	2

PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Connector & Keying Code	C
Primary Product Color	Red

Contact Features

Contact Mating Area Length	3.6 mm[.142 in]
Contact Size	.5mm
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.25 µm[49.21 µin]
Contact Mating Area Plating Material Thickness	2 µm[78.74 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	4 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Keyed
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Kinked
Mating Retention Type	Locking Window

Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Mating Entry Location	Top
Housing Material	PA 66 GF
Centerline (Pitch)	3.3 mm[.129 in]

Dimensions

Connector Length	8.7 mm[.342 in]
Connector Height	14.25 mm[.561 in]
Connector Width	11.6 mm[.456 in]
PCB Thickness (Recommended)	1.6 mm[.06 in]
Row-to-Row Spacing	5.2 mm[.205 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	425
Packaging Method	Tray

Product Compliance

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

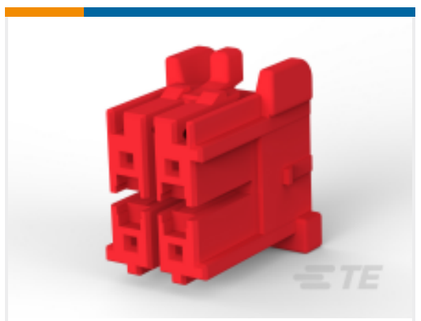
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	

	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 # 3-1971905-2
PLUG HOUSING 4POS,KEYING-C, NEW GIC3.3

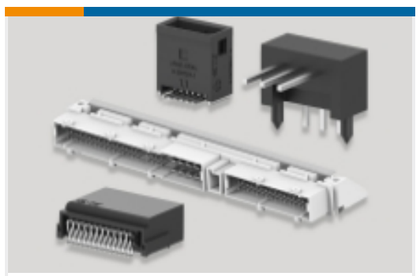
Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)

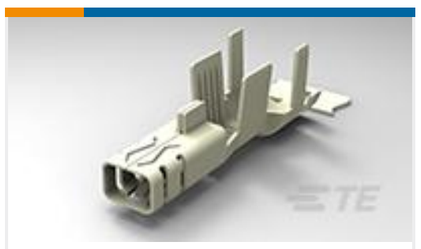


PCB Headers & Receptacles(35)

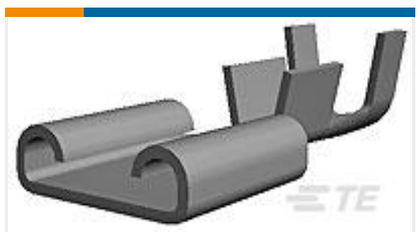


Rectangular Power Connectors(34)

Customers Also Bought



TE Part #1971783-1
PTL RECEPTACLE CONTACT, 16-19 AWG, 2X22



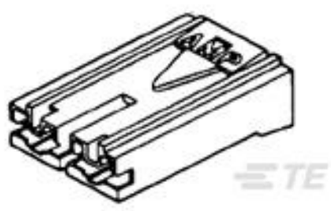
TE Part #170183-2
250 FASTON,REC.,22-18 AWG,TPBR



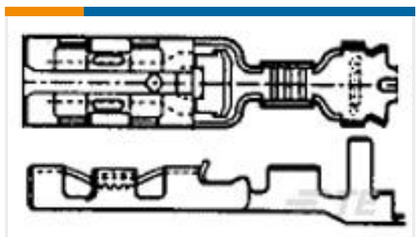
TE Part #2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG



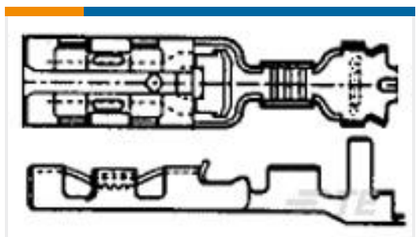
TE Part #5-1747072-2
GRACE INERTIA CONN 2.5 ON TAPE HDR 2P NA



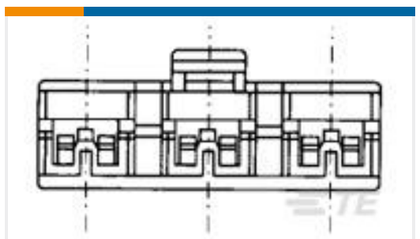
TE Part #179720-1
187 HSG. PL MKII REC. 10mm 2P NAT



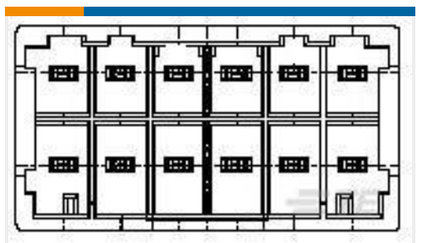
TE Part #353249-2
110 PL EX REC. 26-22AWG PTPHBZ



TE Part #353250-2
110 PL EX REC. 20-16AWG PTPHBZ



TE Part #353255-1
110 HSG. PL EX REC. 7.6mm 3P NAT



TE Part #2-1871571-3
GIC 3.3 HEADER ASSY 12POS

Documents

Product Drawings

HEADER ASSY 4POS,KEYING-C,NEW GIC3.3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1971906-2_A_c-3-1971906-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1971906-2_A_c-3-1971906-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1971906-2_A_c-3-1971906-2-a.3d_stp.zip

English

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

Datasheets & Catalog Pages

5-1773465-4-GI3.3Flyer

English

7-1773465-7-GI3.3-ChineseFlyer

GI3.3_QRG_CN

Product Specifications

Application Specification

English

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-962915-1 1743455-2 1969656-1 2834055-1 917696-1 1-794222-0 2-292161-3 2380312-2 CPF0402B37K4E1 141991-2 175977-2 RH73H2A40MKTN ROX05SJ18R SMW73R0JT 3-1393225-0 936348-1 2310537-1 2377783-2 MPT100C18RF TE50BR39J 2005330-1 3430B2F51RTDF 650075-000 SBCHE154R7K U5254-000005-030PA 1393431-1 1903112-2 3631B101LL CRGCQ2010J3K3 SBCHE64R7K