1871845-3 ✔ ACTIVE

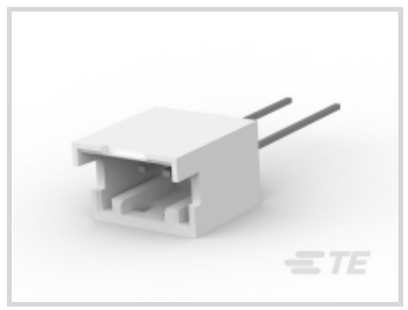
GRACE INERTIA 2.5

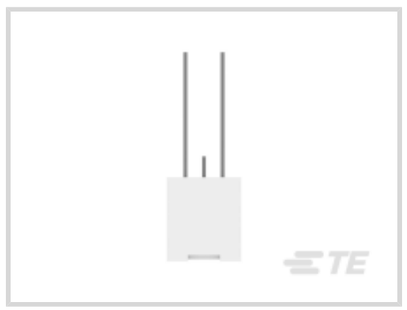
TE Internal #: 1871845-3

PCB Mount Header, Vertical, Wire-to-Board, 3 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







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

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

Number of Positions: **3**

Number of Rows: **1**

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

Features

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

Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Mating Tab Width	.7 mm[.028 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
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)	2.7 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm, 16.8 mm[.11 in][.661 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Length	12.5 mm[.49 in]
Connector Height	11.3 mm[.44 in]
Connector Width	7 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Box

Product Compliance

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

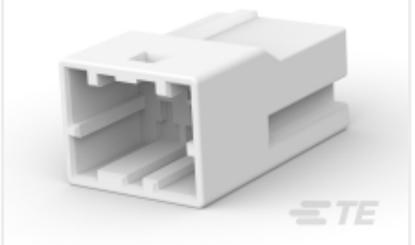
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

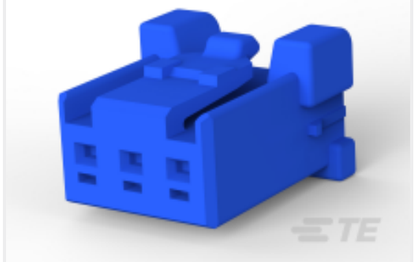
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

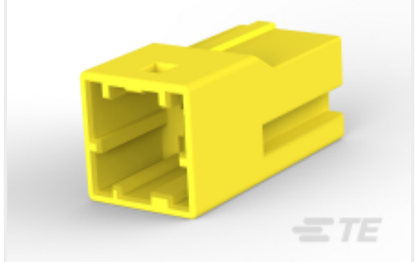
Compatible Parts



TE Part # 1903392-1
GIC 2.5 W CAP HSG 3P NATURAL



TE Part # 2-1747066-3
GRACE INERTIA CONN 2.5 PLUG HSG 3P BLUE



TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap

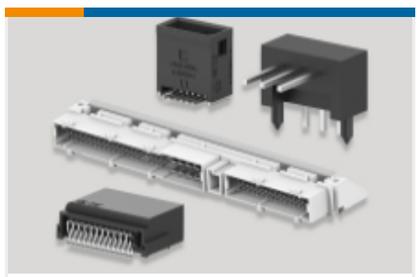
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(49)



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

Customers Also Bought



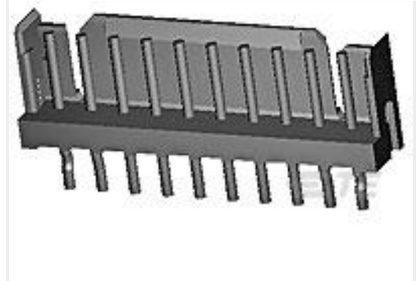
TE Part #4-292161-2
CT 2mm Post Header Assembly with Kink - Vertical



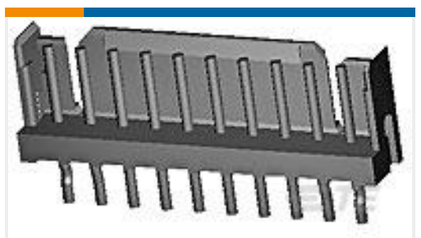
TE Part #292250-2
CT P/HDR BOX H ASSY 2P W/KINK



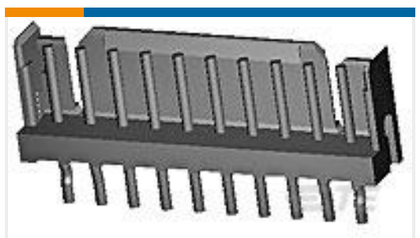
TE Part #1871843-3
GIC 2.5 HDR ASSY TIN VERSION 3P



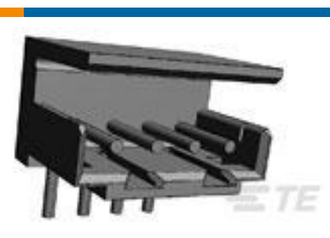
TE Part #292161-8
CT P/HDR ASSY V 8P W/KINK NAT



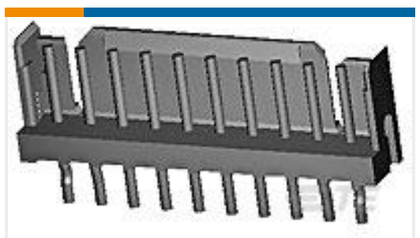
TE Part #292161-6
CT P/HDR ASSY V 6P W/KINK NAT



TE Part #292161-2
CT P/HDR ASSY V 2P W/KINK NAT



TE Part #292250-4
CT P/HDR BOX H ASSY 4P W/KINK



TE Part #292161-3
CT P/HDR ASSY V 3P W/KINK NAT

Documents

Product Drawings

GIC 2.5 ON TAPE HDR TIN VERSION 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.3d_stp.zip

English

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

Product Specifications

Application Specification

Japanese

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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