2-1827391-1 ✔ ACTIVE

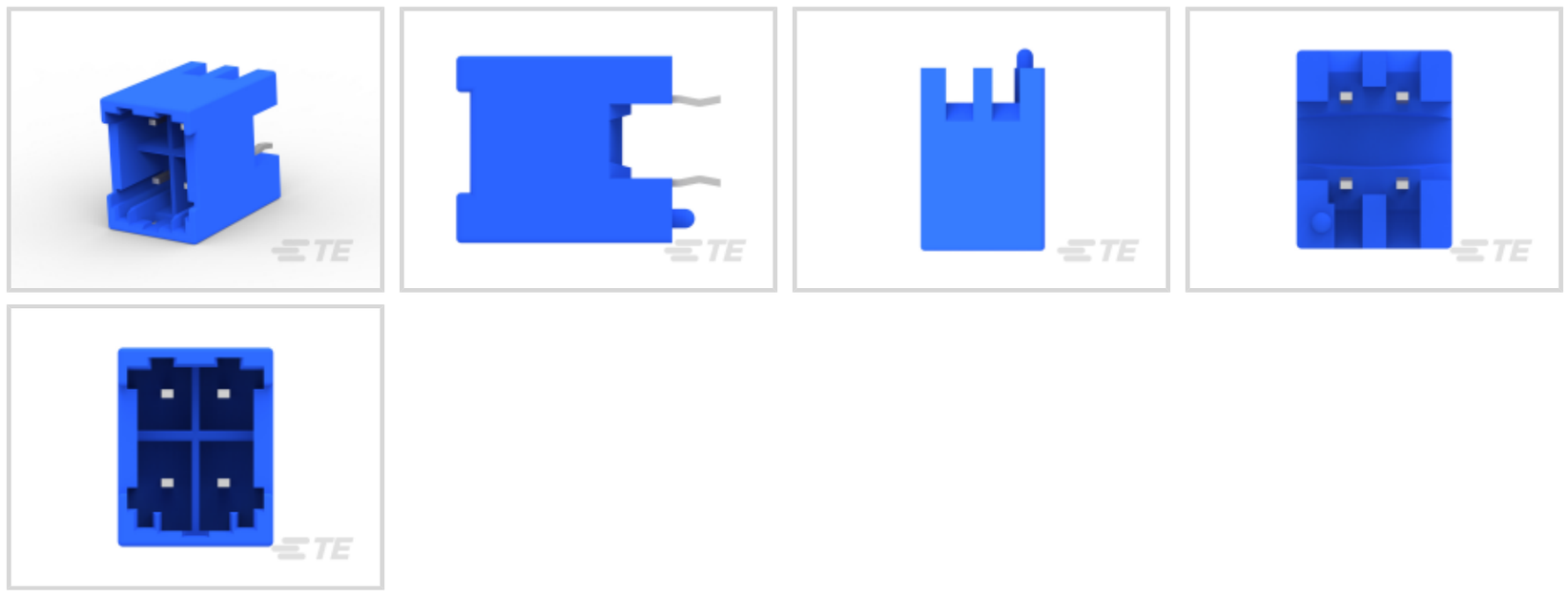
GRACE INERTIA 3.3

TE Internal #: 2-1827391-1

Header, Receptacle, Wire-to-Board, 4 Position, 3.3 mm [.129 in] Centerline, Printed Circuit Board, GRACE INERTIA 3.3, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **4**

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

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Signal Positions	4
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	4 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3.3 mm[.129 in]
Housing Color	Blue
Housing Material	Nylon 6/6 GF

Dimensions

Wire Size	414.44 – 1045.97 CMA
Row-to-Row Spacing	5.2 mm[.205 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Method	Box & Tray

Product Compliance

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

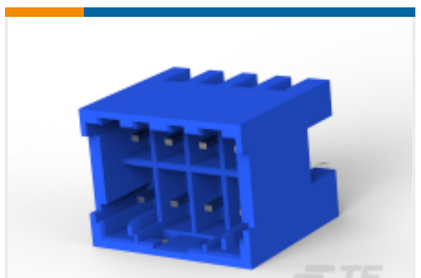
EU RoHS Directive 2011/65/EU	Compliant

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	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 # 2-1827393-3
GIC 3.3 HDR ASSY 8P



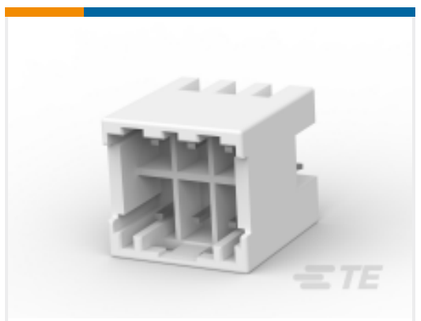
TE Part # 1871819-1
GIC 3.3 4P DBL LOCK PLATE(2-ROW, M-TYPE)



TE Part # 1939983-1
GIC3.3 HDR ASS'Y 10POS 2ROW



TE Part # 1827393-1
GIC 3.3 HDR ASSY 8P



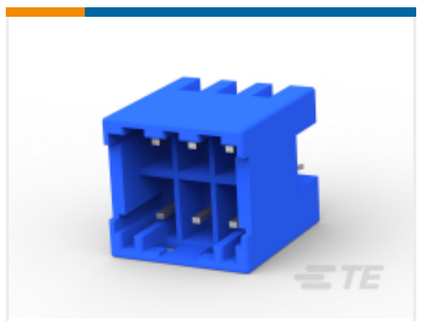
TE Part # 1827392-1
GIC 3.3 HDR ASSY 6P



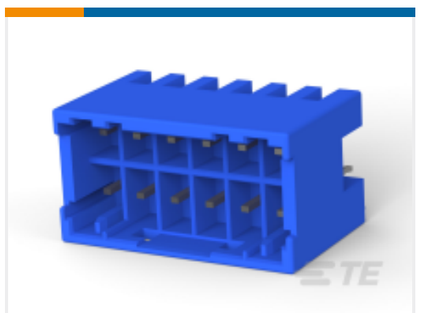
TE Part # 1827391-1
GIC 3.3 HDR ASSY 4P



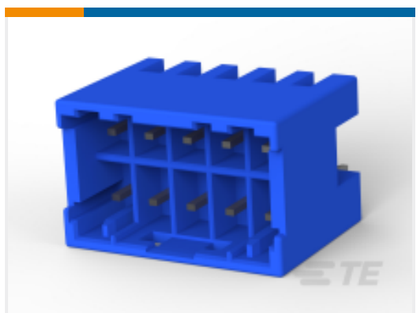
TE Part # 1871571-1
GIC 3.3 HDR ASSY 12POS KINK



TE Part # 2-1827392-1
GIC3.3 HDR ASSY 6POS 2ROW BLUE



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



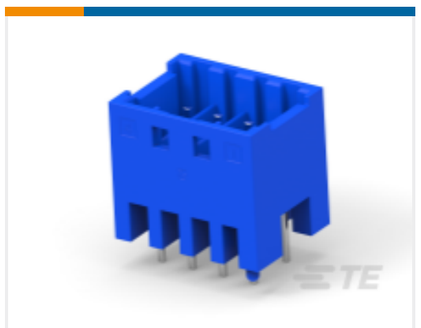
TE Part # 2-1939983-3
GIC 3.3 HDR ASSY 10P 2ROW BLUE



TE Part # 5-1827391-1
GIC 3.3 HDR ASSY 4P



TE Part # 5-1827393-1
GIC 3.3 HDR ASSY 8P



TE Part # 7-1827393-3
GIC 3.3 HDR ASSY 8P

Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)

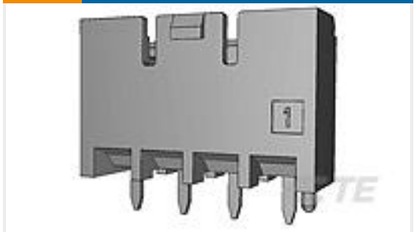


Rectangular Power Connectors(69)

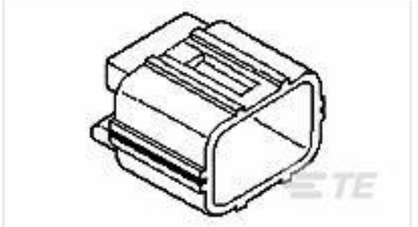
Customers Also Bought



TE Part #179838-1
AMP POWER D/LOCK T/HDR ASSY 2P



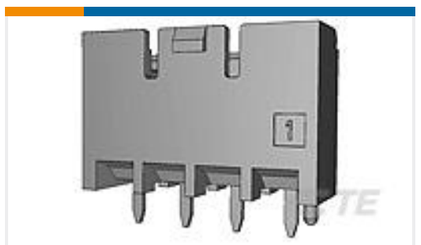
TE Part #1376383-1
5mm B-T-W Conn. 3P HDR ASSEMBL



TE Part #1-174360-1
E-J MK-2 CAP HSG 3P NATURAL



TE Part #179840-6
AMP POWER D/LOCK T/HDR ASSY 4P



TE Part #1-1376382-2
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #1827391-1
GIC 3.3 HDR ASSY 4P



TE Part #2822355-1
070 TYPE RUBBER PLUG M

Documents

Product Drawings

GIC 3.3 HDR ASSY BLUE WITH KINK

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1827391-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1827391-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1827391-1_F.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

GRACE INERTIA CONNECTOR 3.3 CONTACT

Japanese

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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