179838-2 ✔ ACTIVE

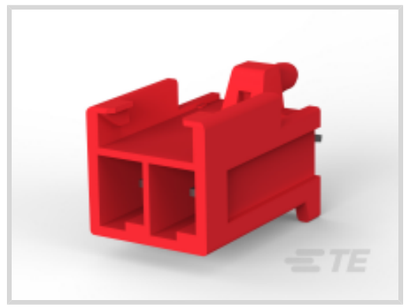
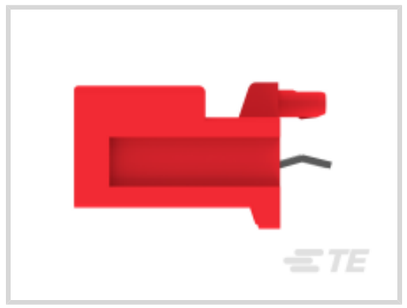
Power Double Lock

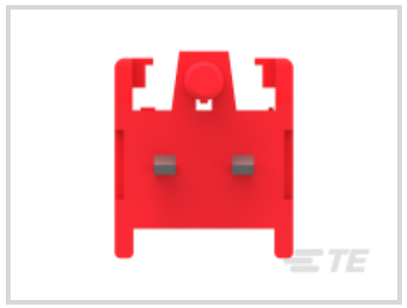
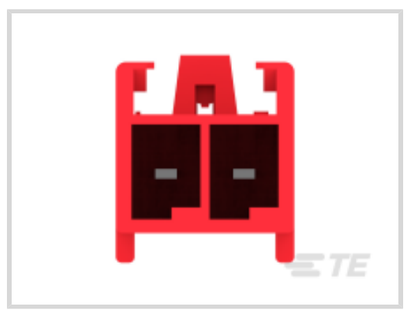
TE Internal #: 179838-2

Header, Receptacle, Wire-to-Board, 2 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, Power Double Lock, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > Glow Wire Power Double Lock Header

Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **3.96 mm [.156 in]**

All Glow Wire Power Double Lock Header (2)

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	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Contact Features

PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	14 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	31.49 µm[.8 µin]

Termination Features

Termination Post & Tail Length	3.8 mm[.148 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Post
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Red
Housing Material	Nylon 6/6 GF

Dimensions

Connector Height	14.6 mm
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	9 mm
Product Length	10.2 mm

Compatible Insulation Diameter Range	3.1 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CNR, UL, VDE
Compatible With Approved Standards Products	CSA/C22.2 No. 182.3-M1987, UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	490
Packaging Method	Box & Tray, Tray

Product Compliance

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

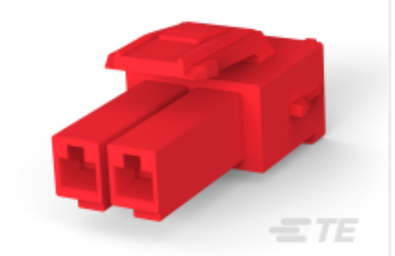
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does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

Product Compliance Disclaimer

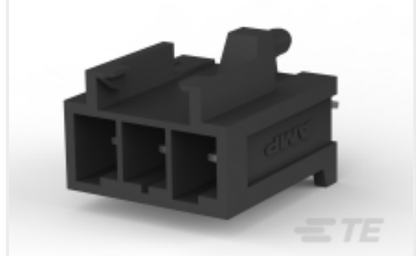
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 177898-2
POWER DBL LOCK PLUG 2P RED



TE Part # 179839-9
AMP POWER D/LOCK T/HDR ASSY 3P

Also in the Series | Power Double Lock



Connector Contacts(24)



Connector Hardware(14)



Insertion & Extraction Tools(2)

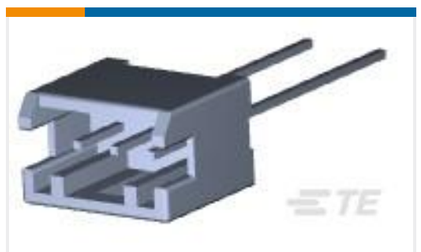


Rectangular Power Connectors(283)

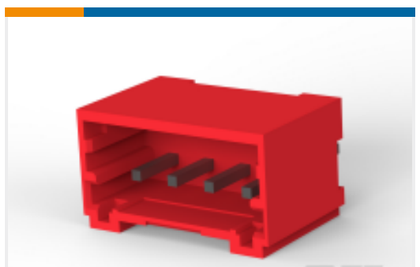
Customers Also Bought



TE Part #179844-4
AMP POWER D/LOCK T/HDR ASSY 2P



TE Part #5-1376492-3
2.5MM SIGNAL MATE CONN ON TAPE



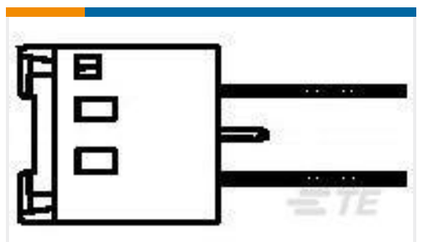
TE Part #1-1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV



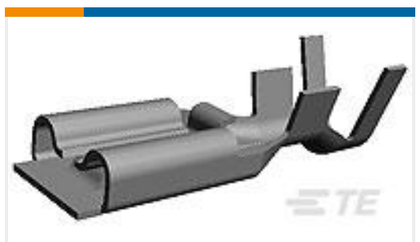
TE Part #3-176976-2
UNIV POWER HDR ASSY 3P RED



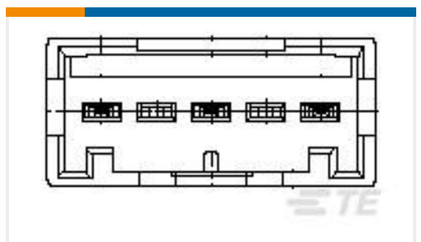
TE Part #2-1747052-3
GIC 7.92MM CONN HDR ASS'Y 2POS BLUE



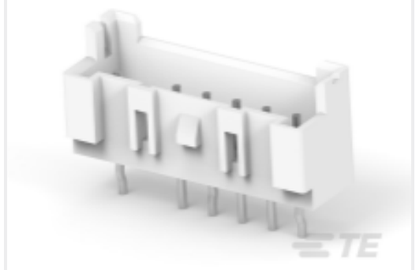
TE Part #1871845-3
GIC 2.5 ON TAPE HDR TIN VERSION 3P



TE Part #173724-5
PL EX 187 REC 20-14AWG PTPB



TE Part #2013485-1
GIC 2.5 HDR ASSY TIN VERSION 3/5P



TE Part #2311995-7
EP2.5 HDR ASSY 7P VERT, GW,NO PIN 6

Documents

Product Drawings

AMP POWER D/LOCK T/HDR ASSY 2P

English

CAD Files

Customer View Model

ENG_CVM_179838-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_179838-2_D.3d_stp.zip

English

Customer View Model

ENG_CVM_179838-2_D.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_179838-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_179838-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_179838-2_B.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL

English

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Global Electronic Components Distributor

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

TE Connectivity:

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