1-1971921-3 ✔ ACTIVE

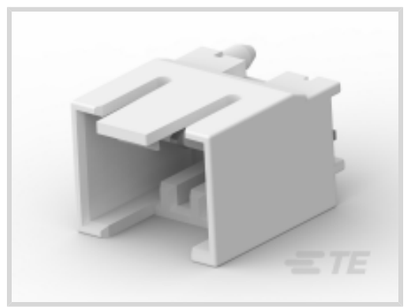
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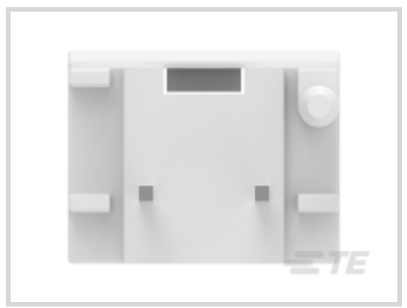
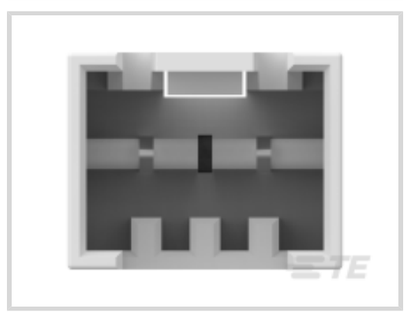
TE Internal #: 1-1971921-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Natural

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **5 mm [.197 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.8 µm[149.6 µin]
Contact Layout	Inline
Mating Tab Width	1.5 mm[.059 in]
Mating Tab Thickness	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	1.27 µm[50.8 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	.6 mm[.024 in]
Rectangular Termination Post & Tail Width	.65 mm[.026 in]
Termination Post & Tail Length	2.9 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	6/6 Nylon GF, Nylon
Centerline (Pitch)	5 mm[.197 in]

Dimensions

Connector Length	10.1 mm[.4 in]
Connector Height	15.5 mm[.61 in]
	.148 in

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	270
Packaging Method	Box, Carton

Product Compliance

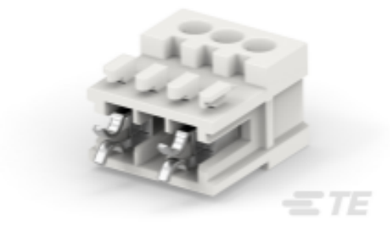
For compliance documentation, visit the product page on TE.com>

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

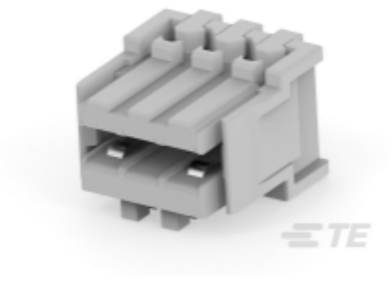
Product Compliance Disclaimer

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 # 1-2232890-3
3P MONOPLUG 2.5 SELECTIVELY LOADED



TE Part # 1-284866-3
DUOPLUG SIDE LOCK FEMALE CONN., 3 POS, S

TE Part # 1-1534798-3
3P DUOPLUG MK II, SELECTIVELY LOADED

Customers Also Bought



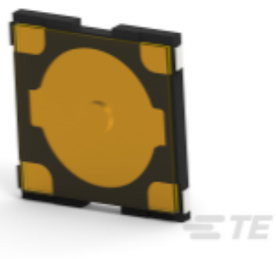
TE Part #172763-1
250 PL MKII FLAG REC. 18-14AWG PTBR



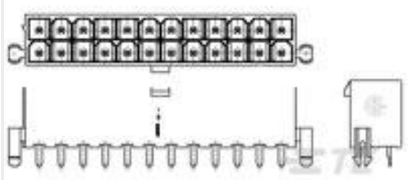
TE Part #1-2232890-5
5P MONOPLUG 2.5 SELECTIVELY LOADED



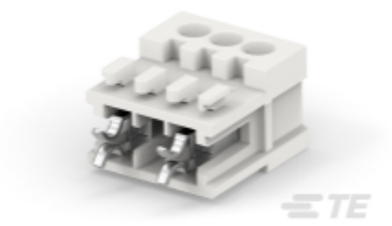
TE Part #4-2176328-2
CRGP 1206 27K 1%



TE Part #2337233-3
TACT MICRO JB 4.8X4.8X0.55 P3.7 200GF



TE Part #2029059-2
2P VAL-U-LOK VRTHDR W/PGS GW



TE Part #1-2232890-3
3P MONOPLUG 2.5 SELECTIVELY LOADED



TE Part #5-1969352-2
ASSY DIN R/A RAST5 HDR 02-A, G



TE Part #1-1971817-3
3P,RAST 2.5 Tab Header,Ex- Locking, THV



TE Part #1-1971921-5
3/5P,RAST 2.5 Tab Header,Ex- Locking, THV



TE Part #2232044-2
2P, RAST 5 Tab Header, THV

Documents

Product Drawings

2/3P,RAST 2.5 Tab Header,Ex- Locking,THV

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1971921-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971921-3_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1971921-3_A.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

RAST Connector System Catalog

English

7-1773465-3_RAST2.5_Flyer

English

Product Specifications

Product Specification

English

Agency Approvals

VDE Certificate

English

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Global Electronic Components Distributor

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

TE Connectivity:

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