521383-2 ✔ ACTIVE

RAST | RAST 5 IDC Connectors

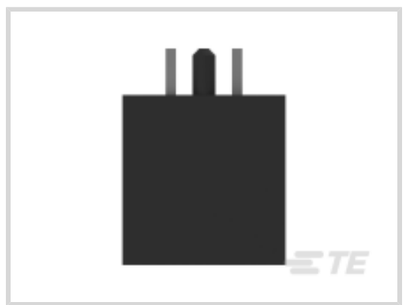
TE Internal #: 521383-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, RAST 5 IDC Connectors

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **2**

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

Keying & Polarized Position Locations	1C, 2D
Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.8 µm[149.6 µin]
Contact Layout	Inline
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.032 in]
Contact Underplating Material Thickness	1.3 µm[51.18 µin]
Contact Mating Area Plating Material Thickness	3.8 µm[149.6 µin]
PCB Contact Termination 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)	16 A

Termination Features

Rectangular Termination Post & Tail Thickness	.8 mm[.032 in]
Rectangular Termination Post & Tail Width	.8 mm[.032 in]
Termination Post & Tail Length	3.5 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
Mating Alignment Type	Keyed
Mating Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Length	12.3 mm[.48 in]
Connector Height	12.8 mm[.5 in]
Connector Width	14.9 mm[.587 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	208
Packaging Type	Box

Product Compliance

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

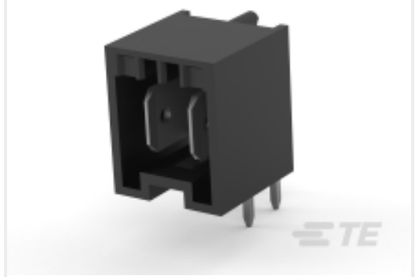
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

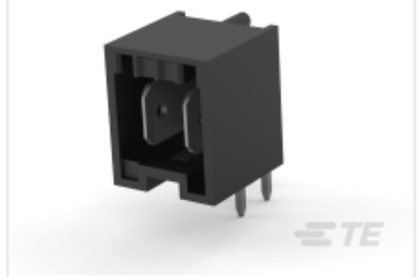
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

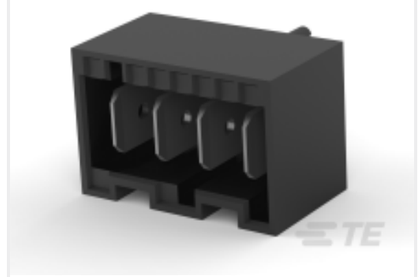
Compatible Parts



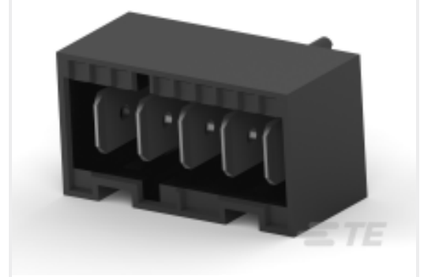
TE Part # 521384-2
ASSY PL R/A RAST5 HEADER 02-A



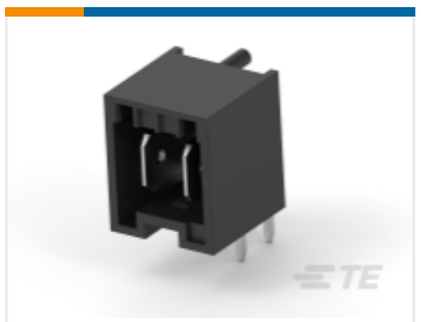
TE Part # 3-521384-2
ASSY PL R/A RAST5 HEADER 02-E



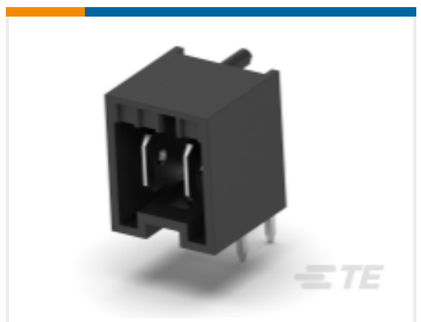
TE Part # 521383-4
ASSY DIN VERT RAST5 HEADER04-A



TE Part # 521383-5
ASSY DIN VERT RAST5 HEADER05-B



TE Part # 1-521384-2
ASSY PL R/A RAST5 HEADER 02-B



TE Part # 2-521384-2
ASSY PL R/A RAST5 HEADER 02-C



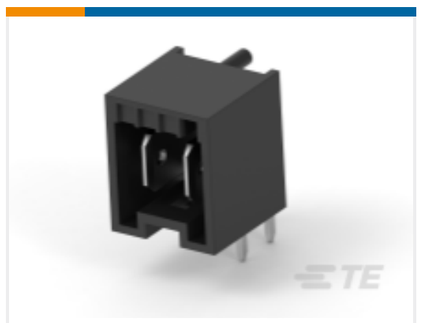
TE Part # 3-521383-2
ASSY DIN VERT RAST5 HEADER02-E



TE Part # 3-521383-5
ASSY DIN VERT RAST5 HEADER 5P



TE Part # 521383-3
ASSY DIN VERT RAST5 HEADER03-A



TE Part # 6-521384-2
ASSY PL R/A RAST5 HEADER 2P

Also in the Series | RAST 5 IDC Connectors



Automotive Terminals(8)



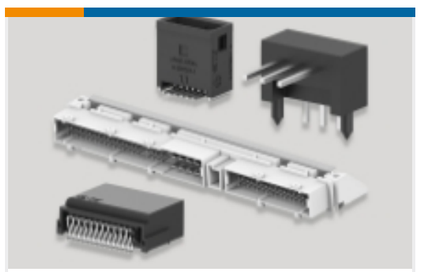
Connector Contacts(14)



Crimp Terminal Housings(41)



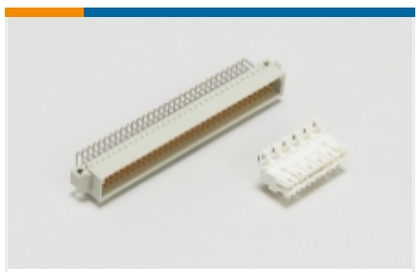
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(417)



Rectangular Connector Housings(1)



Standard Edge Connectors(33)



Standard Rectangular Connectors(63)



Wire-to-Board Connector Assemblies & Housings(213)

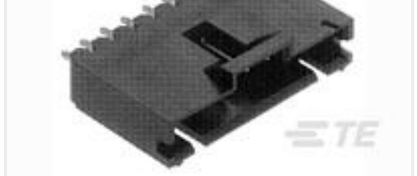
Customers Also Bought



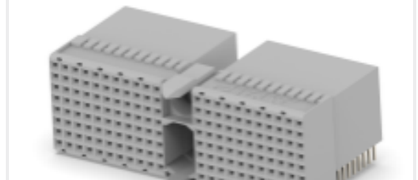
TE Part #1-640445-1
11P MTA156 HDR ASSY FL/STR SN



TE Part #5555167-4
MJ,LPF,R/A,8P,KEYED,TUBE



TE Part #5-103735-1
02 MTE HDR SRST LATCH .100CL



TE Part #3-5646442-0
2MM HM,ASY,T-D,REC,TWIST TULIP



TE Part #ZPF000000000018776
FDBA 50H 24-61 PN-K-C276



TE Part #ZPF000000000018784
FDBA 50H 24-61 PY-K-C276



TE Part #927742-2
2 POS FASTIN/ON HOUSING PANEL MOUNT



TE Part #4-644617-4
14P MTA156 HDR ASY PO RA FB LF



TE Part #1-282002-4
MONO-SHAPE MK I CONN. ASSY TAB 2P



TE Part #6-1415546-5
RP424024

Documents

Product Drawings

ASSY DIN VERT RAST5 HEADER02-A

English

CAD Files

Customer View Model

ENG_CVM_CVM_521383-2_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_521383-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_521383-2_D.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

VDE Certificate

English