521383-2 ✔ ACTIVE

RAST | RAST 5 IDC Connectors

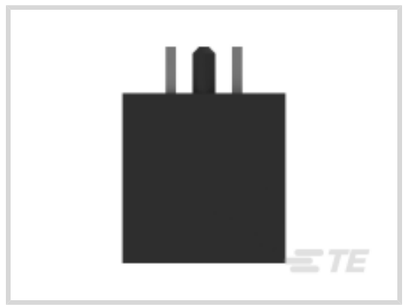
TE Internal #: 521383-2

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

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

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.3 µm[51.18 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	6.3 mm[.248 in]
PCB Contact Termination Area Plating Material Thickness	.381 µm[149.6 µin]
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.8 mm[.032 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.8 µm[149.6 µin]
Contact Type	Tab
Contact Current Rating (Max)	16 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	14.9 mm[.587 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Connector Height	12.8 mm[.5 in]
Connector Length	12.3 mm[.48 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 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 3-521384-2
ASSY PL R/A RAST5 HEADER 02-E



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



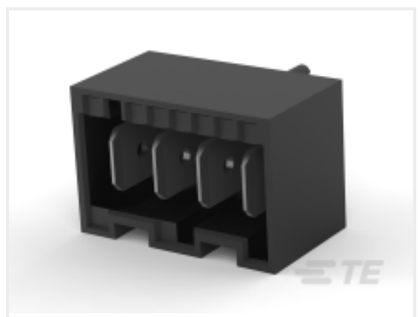
TE Part # 521384-2
ASSY PL R/A RAST5 HEADER 02-A



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



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



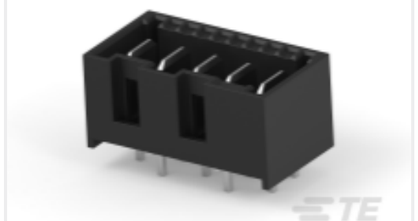
TE Part # 521383-4
ASSY DIN VERT RAST5 HEADER04-A



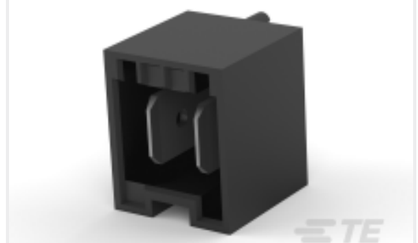
TE Part # 1-521384-2
ASSY PL R/A RAST5 HEADER 02-B



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

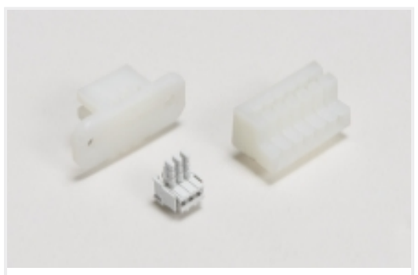


TE Part # 3-521383-5
ASSY DIN VERT RAST5 HEADER 5P



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

Also in the Series | RAST 5 IDC Connectors



Card Edge Connector Housings(19)



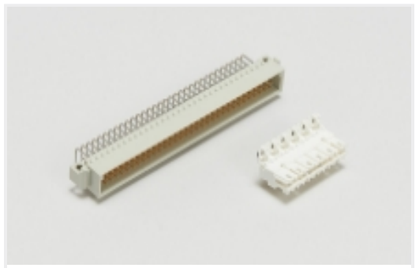
Connector Contacts(12)



Power Contacts(3)



Rectangular Power Connectors(658)

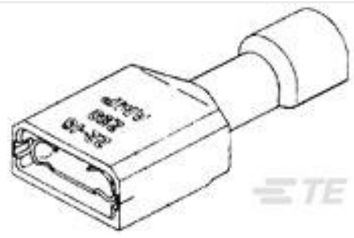


Standard Edge Connectors(31)

Customers Also Bought



TE Part #1-487576-2
20 ZIFLINE 50 ASSY



TE Part #5-520181-2
ULTRA-FAST 187 ASY REC 22-18 AWG TPBR



TE Part #7-1437719-5
T01-0570-S07-FEMALE REC PANEL-PCB STRT



TE Part #2390868-2
2P, RAST 5 HEADER, PL, SHROUDED



TE Part #2390868-3
3P, RAST 5 HEADER, PL, SHROUDED



TE Part #1-2390868-2
2P, RAST 5 HEADER, PL, SHROUDED



TE Part #2390869-2
2P RAST 5 SHROUDED HEADER OPP PL



TE Part #2390877-5
5P, RAST 5 TAB HEADER, THV



TE Part #2390877-7
7P, RAST 5 TAB HEADER, TIN, DIN THV SEL



TE Part #7-2392771-6
6P, RAST 5 Tab Header, THV

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

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

Datasheets & Catalog Pages

RAST Connector System Catalog

English

Product Specifications

Product Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English