

3-521383-2 ✓ ACTIVE

[RAST](#) | [RAST 5 IDC Connectors](#)

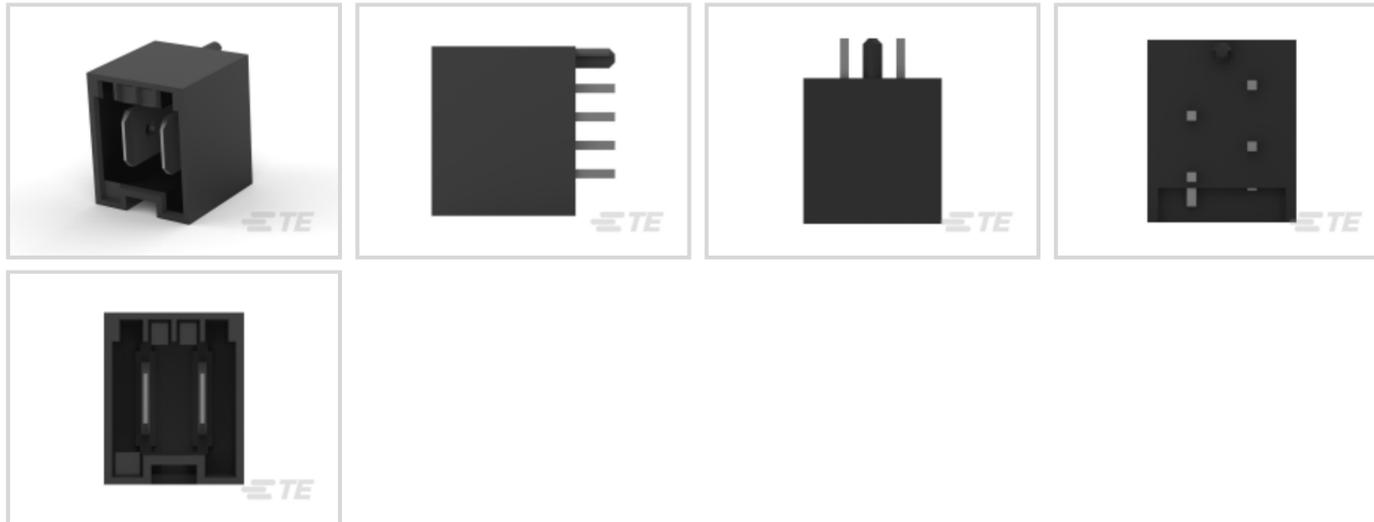
TE Internal #: 3-521383-2

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

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[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	2D
Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Vertical

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features

Primary Product Color	Black
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### Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	3.8 $\mu\text{m}$ [149.6 $\mu\text{in}$ ]
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.032 in]
Contact Underplating Material Thickness	1.3 $\mu\text{m}$ [51.18 $\mu\text{in}$ ]
Contact Mating Area Plating Material Thickness	3.8 $\mu\text{m}$ [149.6 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating 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]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	208
Packaging Type	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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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>

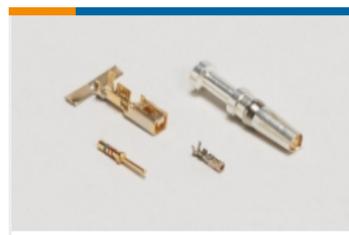
## Compatible Parts



Also in the Series | [RAST 5 IDC Connectors](#)



Automotive Terminals(8)



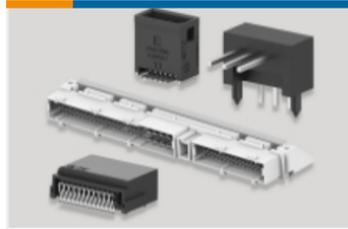
Connector Contacts(12)



Crimp Terminal Housings(41)



Insertion &amp; Extraction Tools(1)



PCB Headers &amp; Receptacles(424)



Rectangular Connector Housings(1)



Standard Edge Connectors(47)



Standard Rectangular Connectors(112)

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

Wire-to-Board Connector Contacts(2)

## Documents

### Product Drawings

[ASSY DIN VERT RAST5 HEADER02-E](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_3-521383-2\\_D.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-521383-2\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-521383-2\\_D.3d\\_stp.zip](#)

English

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## Product Specifications

### Product Specification

English

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## Agency Approvals

### VDE Certificate

English

### VDE Certificate

English