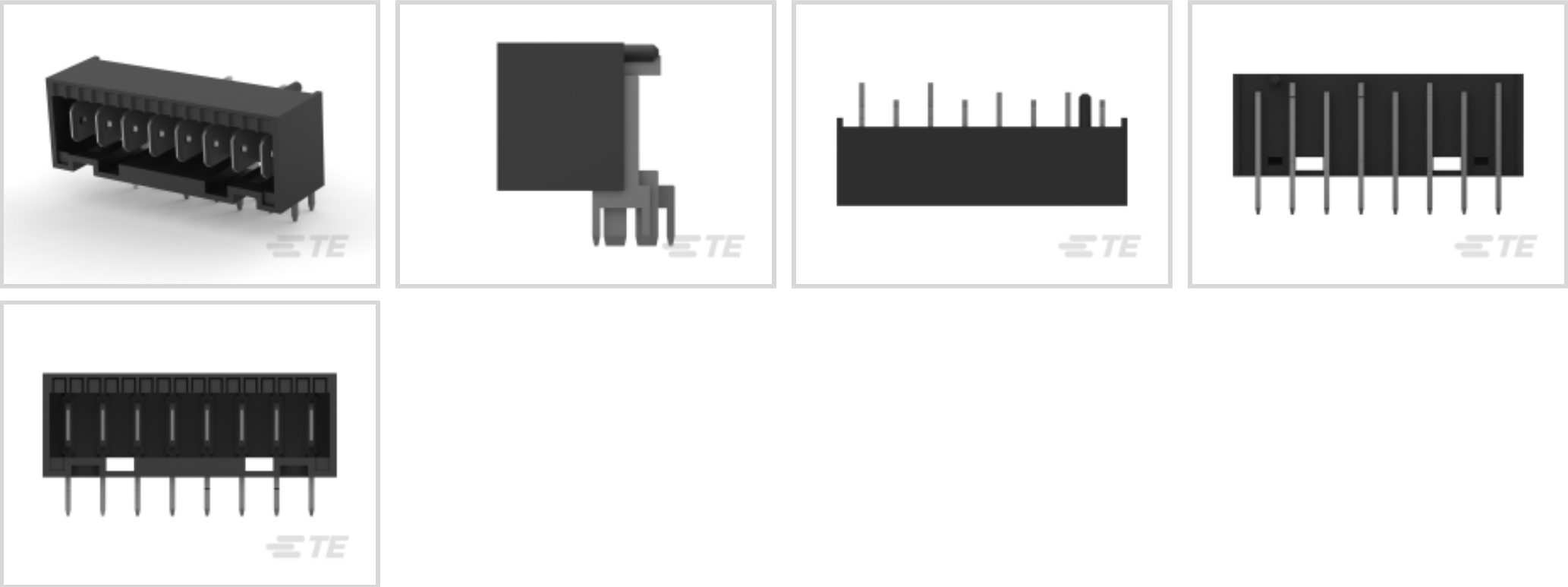




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **8**

Number of Rows: **1**

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	2D, 3C, 6D, 7C
PCB Mount Orientation	Right Angle
Number of Positions	8
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
Contact Mating Area Plating Material Thickness	3.8 µm[149.6 µin]
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]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	16 A

Termination Features

Rectangular Termination Post & Tail Width	.8 mm[.032 in]
Rectangular Termination Post & Tail Thickness	.8 mm[.032 in]
Termination Post & Tail Length	3.8 mm[.149 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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



Dimensions

Connector Width	17.9 mm[.705 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Connector Height	14.9 mm[.59 in]
Connector Length	42.3 mm[1.66 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, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	56
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

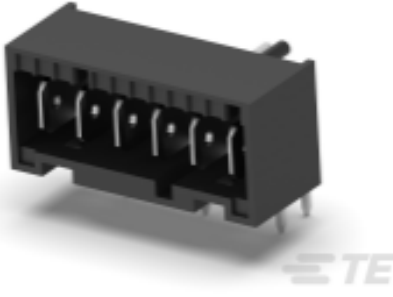
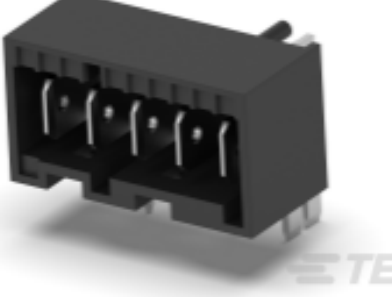
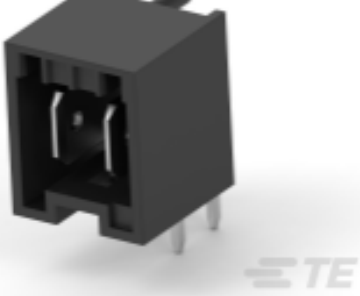
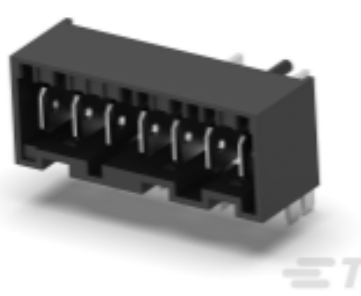
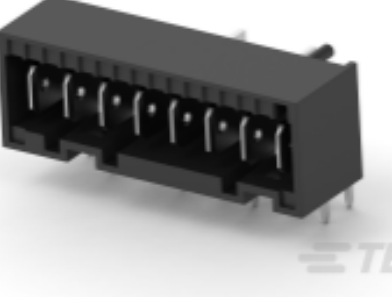
Product Compliance Disclaimer

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



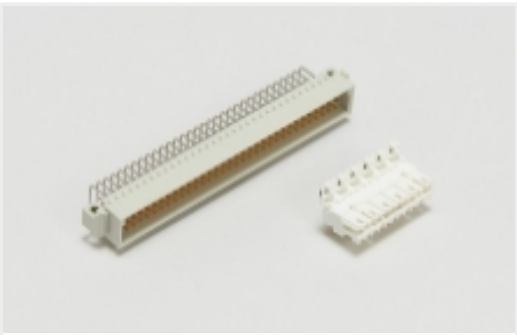
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 1-521384-6 ASSY PL R/A RAST5 HEADER 06-D	 TE Part # 1-521384-5 ASSY PL R/A RAST5 HEADER 5P	 TE Part # 2-521384-3 ASSY PL R/A RAST5 HEADER 03-D	 TE Part # 2-521384-2 ASSY PL R/A RAST5 HEADER 02-C
 TE Part # 1-521384-3 ASSY PL R/A RAST5 HEADER 03-B	 TE Part # 1-521384-8 ASSY PL R/A RAST5 HEADER 8P	 TE Part # 1-521384-2 ASSY PL R/A RAST5 HEADER 02-B	 TE Part # 1-521384-7 ASSY PL R/A RAST5 HEADER 7P
 TE Part # 2-521384-8 ASSY PL R/A RAST5 HEADER 08-C	 TE Part # 1-521384-4 ASSY PL R/A RAST5 HEADER 04-B		

Also in the Series | RAST 5 IDC Connectors

 Connector Contacts(12)	 Power Contacts(3)	 Rectangular Connector Housings(1)	 Rectangular Power Connectors(481)
---	--	--	--

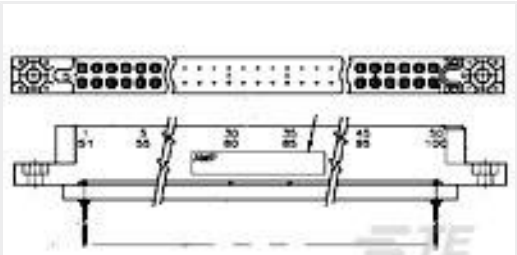


[Standard Edge Connectors\(31\)](#)



[Wire-to-Board Connector Assemblies & Housings\(197\)](#)

Customers Also Bought



TE Part #534650-9
[BOX RECP 110 POS STAG SEALED](#)



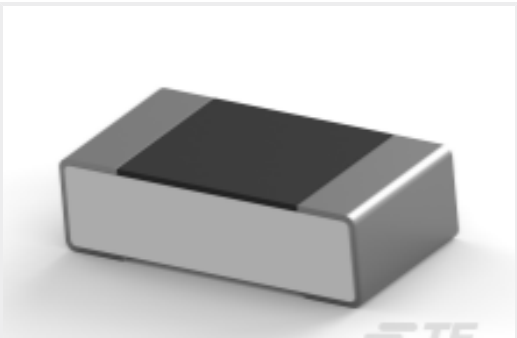
TE Part #CAT-ZD-BPC-HEADER
[Backplane Connector: Plug-in module](#)



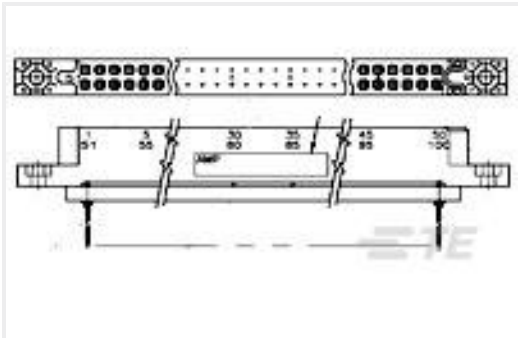
TE Part #2176415-3
[8W STD M/OX 5% 36R](#)



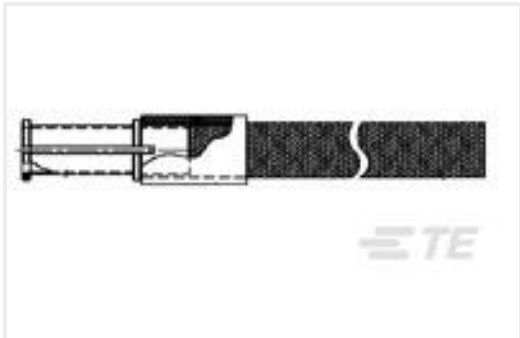
TE Part #521384-4
[ASSY PL R/A RAST5 HEADER 04-A](#)



TE Part #8-2176370-7
[RQ 0603 3K4 0.1% 10PPM 5K RL](#)



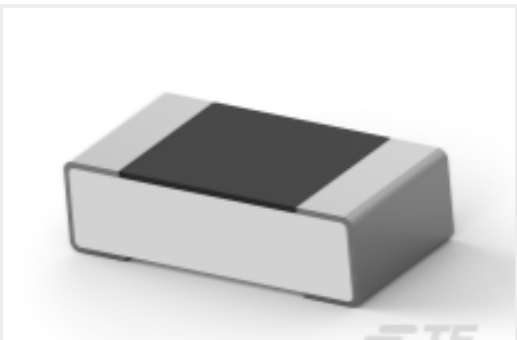
TE Part #534650-2
[BOX RECP 40 POS STAG SEALED](#)



TE Part #A00381-000
[FLX40-040-01](#)



TE Part #2-1971845-6
[6P, RAST 5 Tab Header, THV](#)



TE Part #3-2176372-1
[RQ 0603 102K 0.1% 10PPM 5K RL](#)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_521384-8_D.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)

[ENG_CVM_CVM_521384-8_D.3d_igs.zip](#)



English

Customer View Model
[ENG_CVM_CVM_521384-8_D.3d_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model
[ENG_CVM_521384-8_C.3d_igs.zip](#)

English

Customer View Model
[ENG_CVM_521384-8_C.3d_stp.zip](#)

English

Customer View Model
[ENG_CVM_521384-8_C.2d_dxf.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages
[FASTON PCB Tabs and Receptacles](#)

English

[PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS](#)

English

[RAST Connector System Catalog](#)

English

Product Specifications
[Product Specification](#)

English

Agency Approvals
[VDE Certificate](#)

English

[VDE Certificate](#)

English

[VDE Certificate](#)

English