1-293491-3 ✔ ACTIVE

RAST | RAST 5 IDC Connectors

TE Internal #: 1-293491-3

3 Position, Receptacle, Connector Assembly, Insulation Displacement (IDC), Wire-to-Board, Tin (Sn), UL 94V-2, RAST 5 IDC Connectors

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Connector Assembly**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Latch**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Cavities	3
Contacts Preloaded	Yes
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	380 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Current Rating (Max)	16 A
Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention Type	Locking Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	5 mm[.197 in]
Housing Material	PA 6.6

Dimensions

Connector Width	14 mm[.55 in]
Connector Height	24.4 mm[.96 in]
Connector Length	14.9 mm[.586 in]
Wire Size	.5 – 1.5 mm^2

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL, VDE

UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Method	Box & Tray, 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

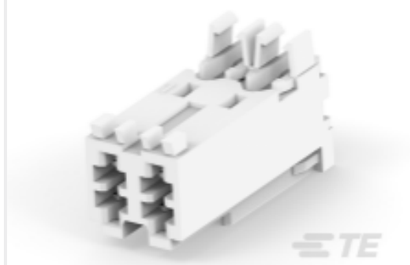
Compatible Parts



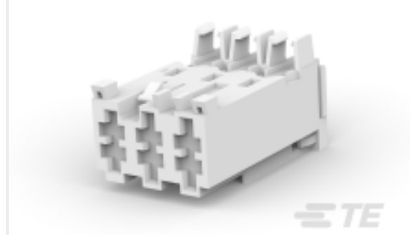
TE Part # 293491-3
AMP MONO-SHAPE TAB CONN assy



TE Part # 1-282003-3
AMP MONO-SHAPE TAB CONN 3P. GL



TE Part # 2-293491-2
AMP MONO-SHAPE TAB CONN assy 2



TE Part # 1-282003-6
AMP MONO-SHAPE TAB CONN



TE Part # 293491-4
AMP MONO-SHAPE TAB CONN assy 4



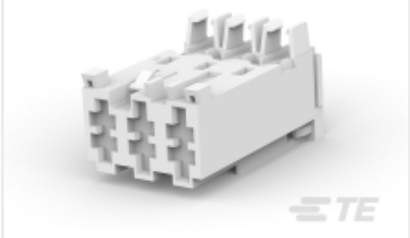
TE Part # 293491-2
AMP MONO-SHAPE TAB CONN assy 2



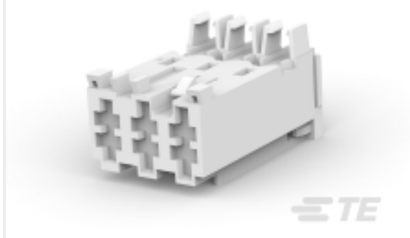
TE Part # 1-284545-2
AMP MONO-SHAPE CONN 5 P.TAB HS



TE Part # 1-282003-7
AMP MONO-SHAPE TAB CONN



TE Part # 1-282003-1
MONO-SHAPE TAB CONN 3P. ASSY

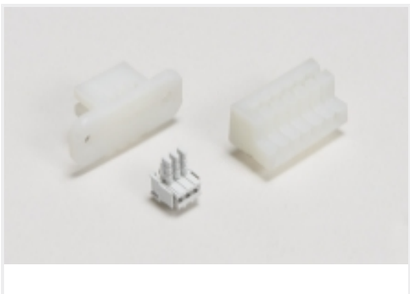


TE Part # 1-282003-2
AMP MONO-SHAPE TAB CONN 3P. GL



TE Part # 1-293491-2
AMP MONO-SHAPE TAB CONN assy 2

Also in the Series | RAST 5 IDC Connectors



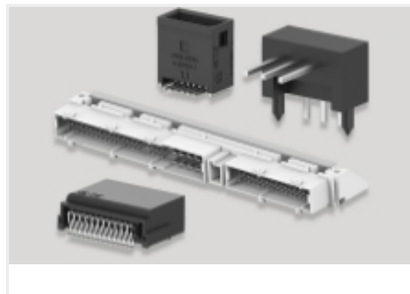
Card Edge Connector Housings(19)



Crimp Terminal Housings(39)



Insertion & Extraction Tools(1)



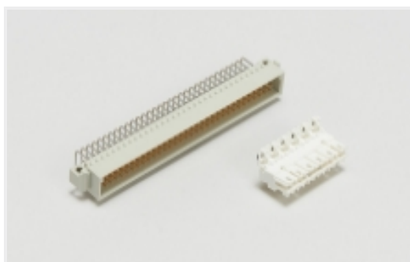
PCB Headers & Receptacles(418)



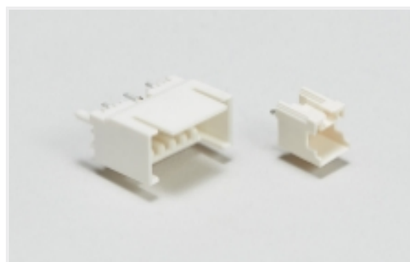
Power Contacts(3)



Rectangular Power Connectors(658)



Standard Edge Connectors(31)



Wire-to-Board Headers & Receptacles (418)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



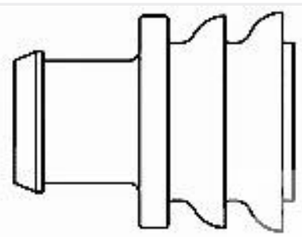
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

AMP MONO-SHAPE TAB CONN assy 3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-293491-3_D_c-1-293491-3-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-293491-3_D_c-1-293491-3-d.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-293491-3_D_c-1-293491-3-d.3d_stp.zip

English

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Datasheets & Catalog Pages

RAST Connector System Catalog

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English