

1703081-1 ✓ ACTIVE

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

TE Internal #: 1703081-1

Housing, Receptacle, Wire-to-Board, 3 Position, .197 in [5 mm]

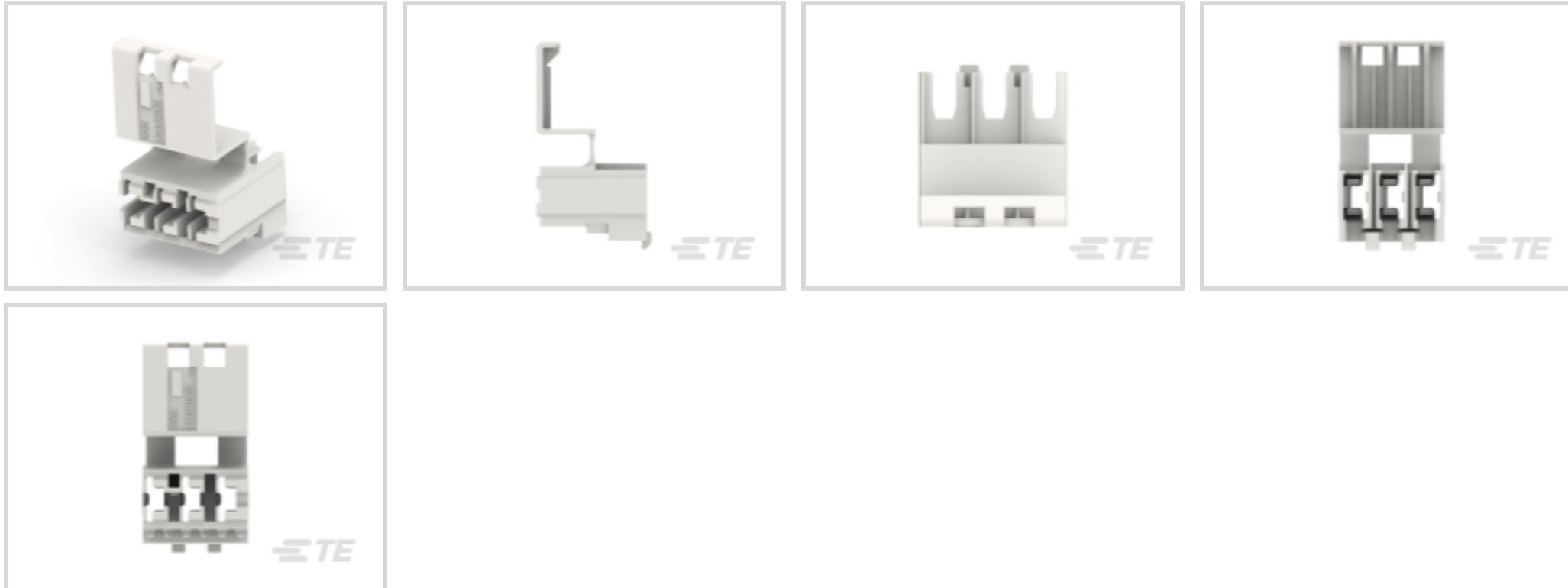
Centerline, Insulation Displacement (IDC), 1 Row, Natural, RAST 5

IDC Connectors

[View on TE.com >](#)



[Connectors](#) > [PCB Connectors](#) > [Wire-to-Board Connectors](#) > [Wire-to-Board Connector Assemblies & Housings](#)



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

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

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Rows	1

Body Features

Primary Product Color	Natural
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Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

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Locking Latch Between Cavity Number	1 + 2
Mating Retention Type	Lock
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Usage Conditions

Operating Temperature Range	-40 - 105 °C [-40 - 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	2000
Packaging Method	Bag & 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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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



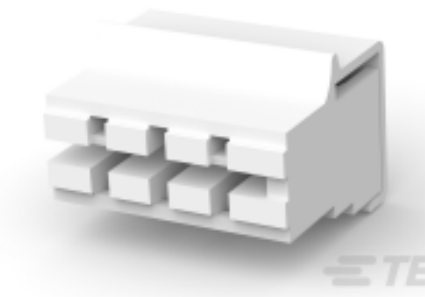
TE Part # 1703104-1
5 POS MT - EDGE HOUSING



TE Part # 1703129-1
8POS MT - EDGE HOUSING



TE Part # 1703119-1
7POS MT - EDGE HOUSING



TE Part # 927157-1
4P MT-EDGE GEH



TE Part # 928017-1
6P MT-EDGE GEH



TE Part # 927155-1
2P MT-EDGE GEH



TE Part # 927156-1
3P MT-EDGE GEH



TE Part # 1703128-1
8POS MT - EDGE HOUSING



TE Part # 1-1703080-1
3POS MT - EDGE HOUSING



TE Part # 1-1703081-1
3POS MT-EDGE HOUSING



TE Part # 1-1703082-1
3POS MT - EDGE HOUSING



TE Part # 1-1703083-1
3POS MT - EDGE HOUSING



TE Part # 1-1703095-1
4POS MT - EDGE HOUSING



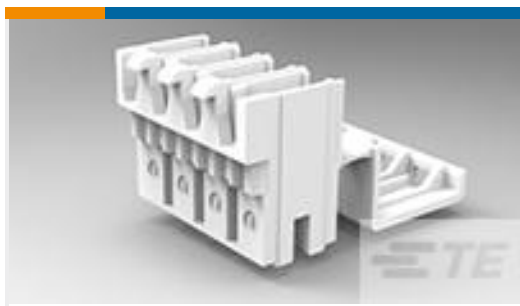
TE Part # 1-1703097-1
4POS MT - EDGE HOUSING



TE Part # 1703071-1
2POS MT-EDGE HOUSING



TE Part # 1703079-1
3POS MT - EDGE HOUSING



TE Part # 1703098-1
4POS MT - EDGE HOUSING



TE Part # 1703111-1
6POS MT - EDGE HOUSING



TE Part # 1703114-1
6POS MT - EDGE HOUSING

Also in the Series | RAST 5 IDC Connectors



Automotive Terminals(8)



Connector Contacts(14)



Crimp Terminal Housings(39)



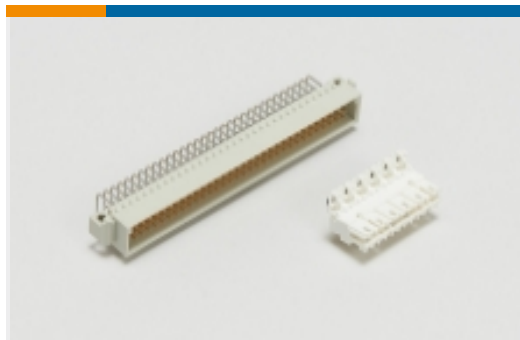
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(417)



Rectangular Connector Housings(1)



Standard Edge Connectors(33)

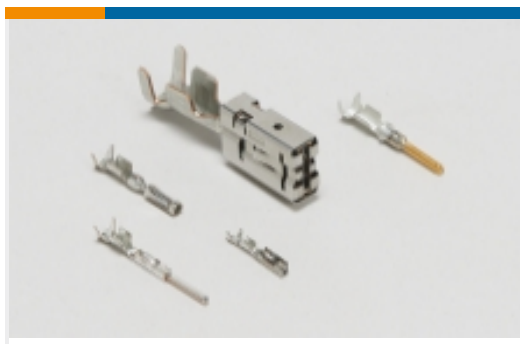


Standard Rectangular Connectors(63)



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

Also in the Series | RAST 5D



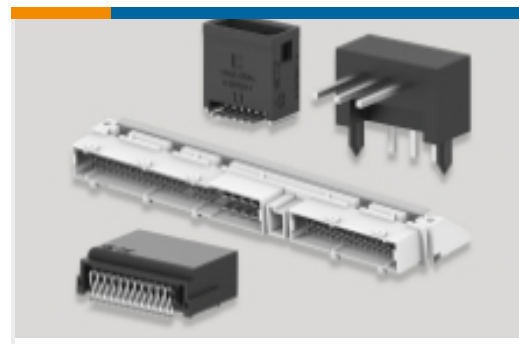
Automotive Terminals(5)



Connector Contacts(10)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(69)

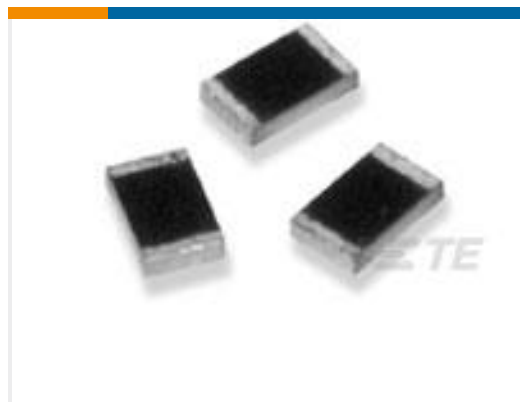


Wire-to-Board Connector Assemblies & Housings(88)

Customers Also Bought



TE Part # 103166-5
14 MODII HDR DRRA SHRD .100CL



TE Part # 1-1625868-7
RP 2A 0.25W 6K81 0.1% 25PPM 1K RL



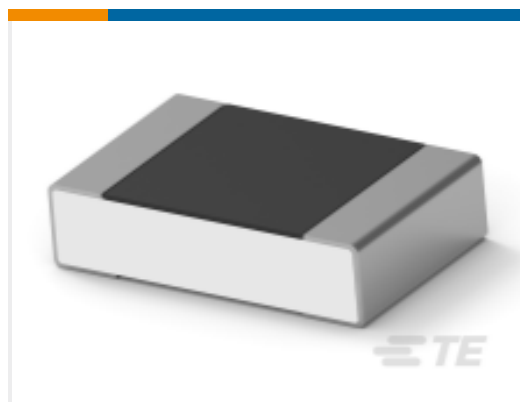
TE Part # 3-647001-6
06P MTA100 PSTD CONN ASSY SN



TE Part # ZPF000000000008767
983-6SE 10-06 SN



TE Part # 2141026-1
RELAY BOX ASSY,HARD WIRED



TE Part # 4-2176375-9
RQ 0805 3K65 0.1% 10PPM 1K RL



TE Part # 2102350-5
CONTACT SOCKET SIZE 24-26 HOOD



TE Part # 1-1879387-8
MGDQ4-00004,S-L10lmax1.84

Documents

Product Drawings

[3POS MT - EDGE HOUSING](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1703081-1_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1703081-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1703081-1_B.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