

521205-6 ✓ ACTIVE

RAST | RAST 5 IDC Connectors

TE Internal #: 521205-6

Housing, Receptacle, Wire-to-Board, 3 Position, 5 mm [.197 in]
Centerline, Crimp, 1 Row, Natural, Mating Retention, RAST 5 IDC
Connectors

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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
Keying & Polarized Position Locations	3B

Housing Features

Centerline (Pitch)	5 mm [.197 in]
Housing Material	PA 6/66 Nylon
Housing Entry Configuration	Both Ends Closed

Termination Features



Termination Method to Wire & Cable	Crimp
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Dimensions

Row-to-Row Spacing	5 mm [.197 in]
Connector Height	15.12 mm [.595 in]
Wire Size	22 – 14 AWG
Connector Length	9.2 mm [.362 in]

Body Features

Primary Product Color	Natural
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Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without

Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-40 – 110 °C [-40 – 230 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Contact Features

Contact Base Material	Brass
Contact Type	Socket

Industry Standards

RAST Version	03-K
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Package
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Packaging Quantity 1

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5-1969536-2
GWHSG,RECP,POSILOK MKIII ,
250SER,3P 2CIR

TE Part # 521207-4
HSG,RAST 5,POSI LOCK MKIII,5P

TE Part # 1-521205-1
RAST 5, P-L MK3 HSG.-3 POS

TE Part # 1969117-1
HSG,3P,RAST 5 CRIMP R/A,SPECIAL

TE Part # 5-1969536-5
GWHSG,RECP,POSILOK MKIII ,
250SER,3P 2CIR

TE Part # 521205-7
RAST 5, P-L mk3 HSG.-3 POS (sp)

TE Part # 521205-9
RAST 5 HSG,3P

TE Part # 521206-6
POSI-LOK HSG.250-4 POS RAST5

TE Part # 521208-4
HSG,250 POSI-LOCK,MKIII,6 POS,

TE Part # 521208-5
HSG,250 POSI-LOC,MKII,6P,NAT

TE Part # 521210-3
HSG,POS-LOC,MKIII,250SERIES,6P

TE Part # 521295-2
HSG,P LOCK,MKIII,250 SER,4P/3C

TE Part # 521836-3
HSG,RAST 5 PL,10P,BLOCK 2,4,6,

TE Part # 521205-2
HSG,3P,POS LOCK,MKIII,250 SERI

TE Part # 521205-3
HSG,POSI-LOCK MKIII RAST,3P

TE Part # 521208-3
HSG,6P,POS LOCK,MKIII,250 SERI

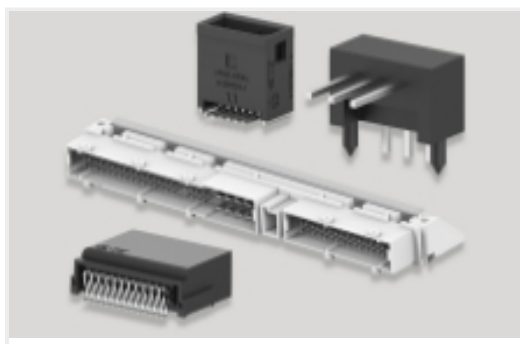
Also in the Series | **RAST 5 IDC Connectors**

Automotive Terminals(8)

Connector Contacts(14)

Crimp Terminal Housings(39)

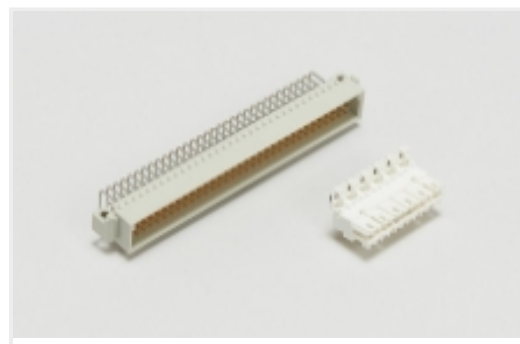
Insertion & Extraction Tools(1)



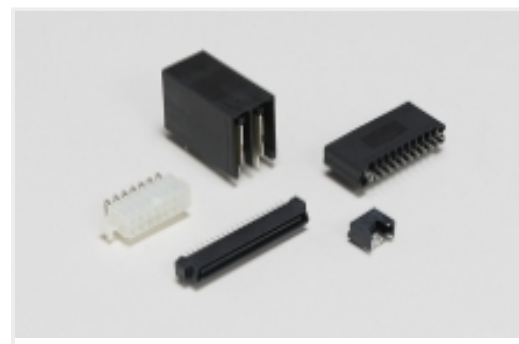
PCB Headers & Receptacles(417)



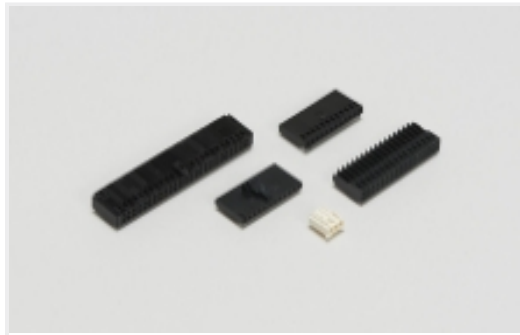
Rectangular Connector Housings(1)



Standard Edge Connectors(32)



Standard Rectangular Connectors(63)



Wire-to-Board Connector Assemblies & Housings(203)

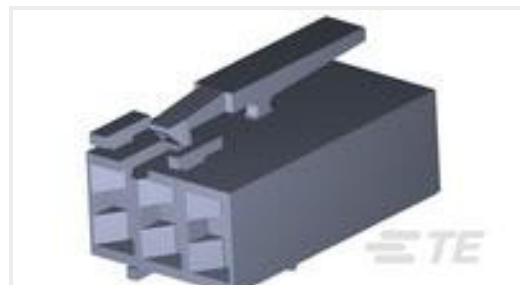
Customers Also Bought



TE Part #1971845-3
3P, RAST 5 Tab Header, THV



TE Part #1217095-2
RCPT 250 POS-LOCK 16-12 TPBR



TE Part #2-1241961-7
STD TIM HOUSING MKII 3POS



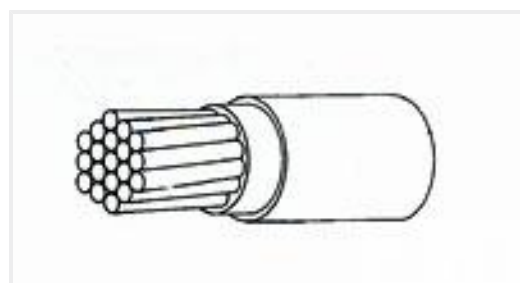
TE Part #964204-1
STD-POW-TIM KONTAKT



TE Part #521204-6
RAST 5,HSG,2P,POSILOCK MKIII



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



TE Part #218014-010
55A0811-20-9



TE Part #926980-2
CI 2 STIFT



TE Part #521384-3
ASSY PL R/A RAST5 HEADER 03-A



TE Part #6-1971895-2
2P, RAST 5 Tab Header, THV

Documents



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_521205-6_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_521205-6_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_521205-6_R.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

Agency Approvals

[UL Report](#)

English