521210-1 ✔ ACTIVE

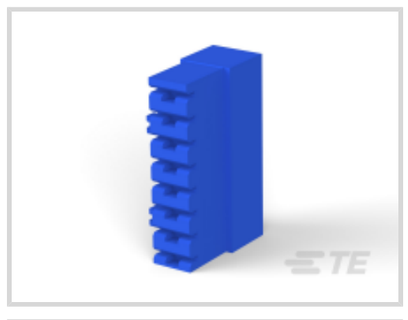
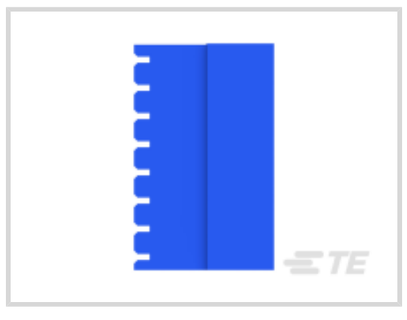
RAST | RAST 5 IDC Connectors

TE Internal #: 521210-1

8 Position, Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 5 mm [.197 in] Centerline, 1 Row, Wire & Cable, Power & Signal, RAST 5 IDC Connectors

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors




Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Retention: **With**

Mating Retention Type: **Latch**

Termination Method to Wire & Cable: **Crimp**

Features

Product Type Features

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

Configuration Features

Keying & Polarized Position Locations	2D, 3C, 6D, 7C
Number of Positions	8
Number of Rows	1

Body Features

Primary Product Color	Blue

Contact Features

Contact Base Material	Brass
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	40.2 mm[1.583 in]
Connector Length	9.2 mm[.362 in]
Row-to-Row Spacing	5 mm[.197 in]
Wire Size	22 – 14 AWG

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

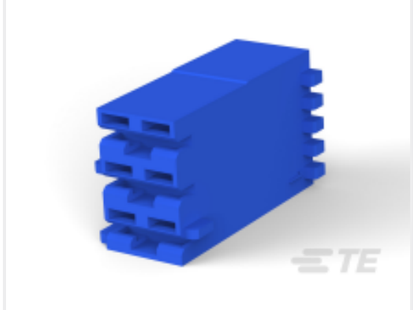
Product Compliance Disclaimer

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

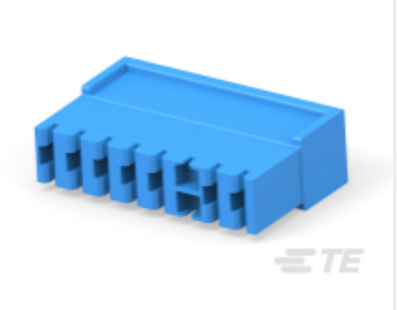
Compatible Parts



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



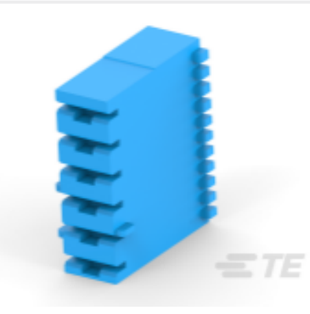
TE Part # 521205-1
POSI-LOK HSG.250-3 POS RAST5



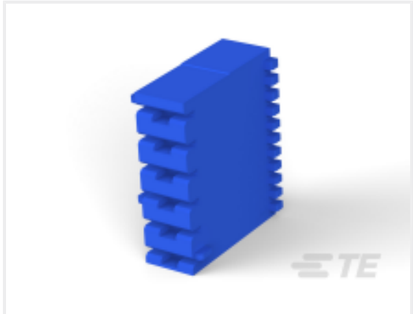
TE Part # 521796-5
HSG,POSILOCK, MKIII, 8 POS,250



TE Part # 521210-4
HSG,POSILOCK, MKIII, 8 POS,250



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



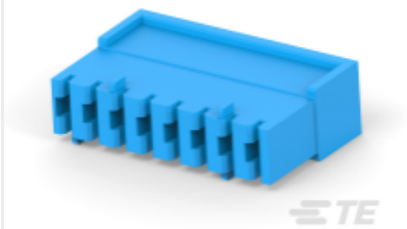
TE Part # 521208-1
POSI-LOK HSG.250-6 POS RAST5



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



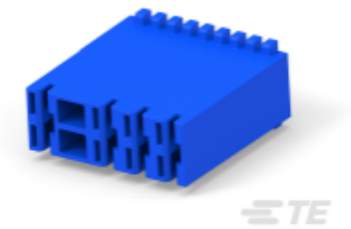
TE Part # 521207-4
HSG,RAST 5,POSI LOCK MKIII,5P



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



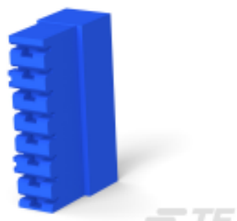
TE Part # 521210-2
HSG,8P,POS LOCK,MKIII,250 SERI



TE Part # 521267-1
POSI-LOK HSG.250-5 POS RAST5



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



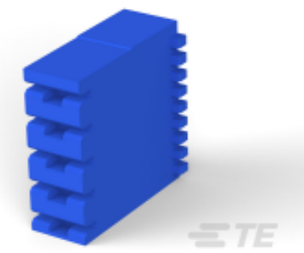
TE Part # 521210-5
HSG,RAST 5,POSI LOCK MKIII,8P



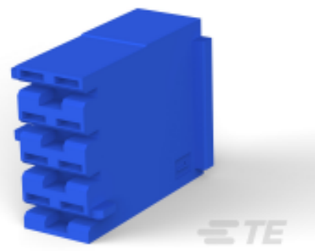
TE Part # 521205-6
RAST 5, P-L HSG.-3 POS (03-K)



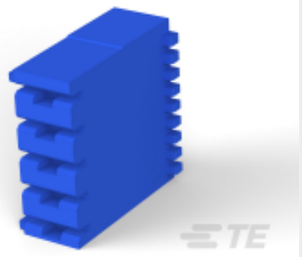
TE Part # 521206-6
POSI-LOK HSG.250-4 POS RAST5



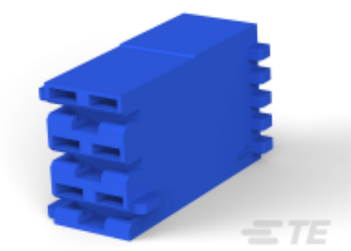
TE Part # 521207-1
POSI-LOK HSG.250-5 POS RAST5



TE Part # 521206-1
POSI-LOK HSG.250-4 POS RAST5



TE Part # 521207-3
HSG POSI-LOCK MARK III

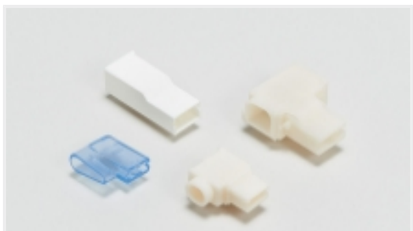


TE Part # 521205-9
RAST 5 HSG,3P

Also in the Series | RAST 5 IDC Connectors



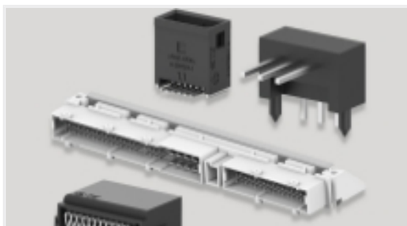
Card Edge Connector Housings(19)



Crimp Terminal Housings(39)



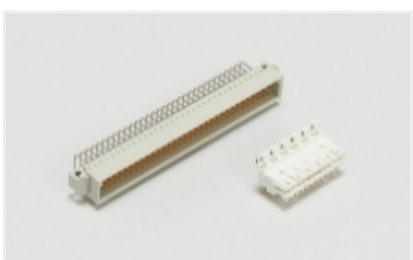
Insertion & Extraction Tools(1)



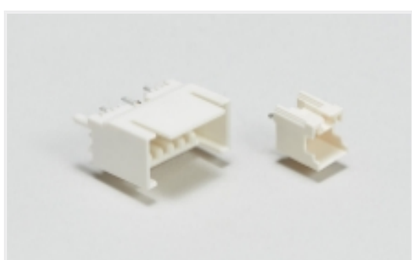
PCB Headers & Receptacles(418)



Rectangular Power Connectors(658)



Standard Edge Connectors(31)



Wire-to-Board Headers & Receptacles (418)

Customers Also Bought



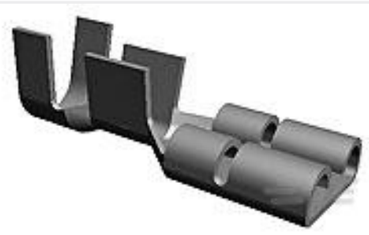
TE Part #DT06-12SA-P012
PLG, 12P, GRY, N, SEAL RET, ENH KEY, A



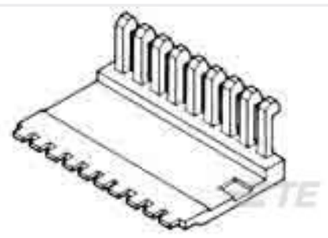
TE Part #W3S-1939-P012
WEDGE LOCK, 3P, PLG, BLU,SL RET, J1939,DT



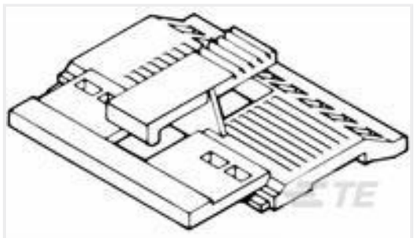
TE Part #34839
RING TERMINAL 18-14 AWG BR



TE Part #63674-1
250 FASTON REC 18-14 AWG NPST



TE Part #1-102536-5
34 AMPMODU MT COVER DR .100CL



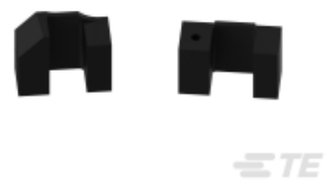
TE Part #1-102681-2
34 AMPMODU MT COVER DR .100CL



TE Part #151321-4
250 FASTON,FLAG,REC.,18-14 AWG, TPBR



TE Part #1-480764-0
05P UMNL CAP HSG NATL



TE Part #690541-1
FEED FINGER HOLDER-MACHINING



TE Part #690686-2
CRIMPER BOLT-SPECIAL

Documents

Product Drawings

POSI-LOK HSG.250-8 POS RAST5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_521210-1_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_521210-1_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_521210-1_S.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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English