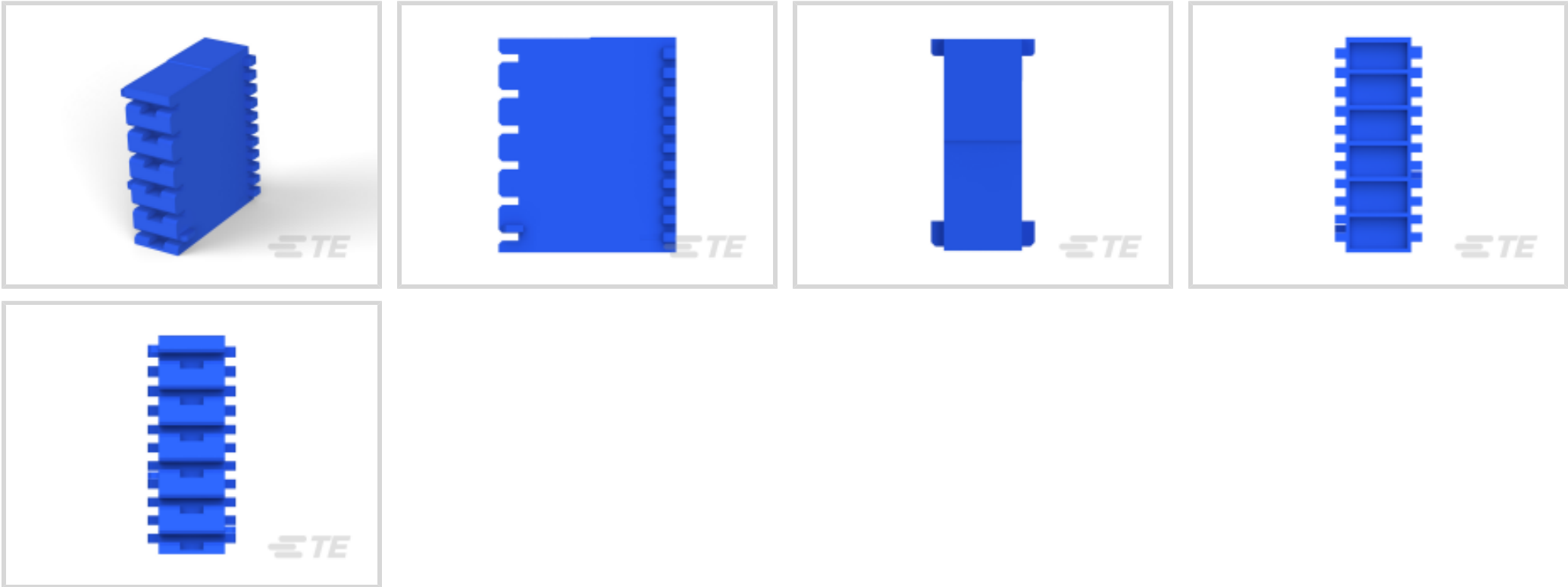




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

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

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	3C, 6D
Number of Positions	6
Number of Rows	1

Body Features

Primary Product Color	Blue
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Contact Features

Contact Base Material	Brass
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	30.12 mm[1.186 in]
Wire Size	22 – 14 AWG
Connector Length	9.2 mm[.362 in]
Row-to-Row Spacing	5 mm[.197 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

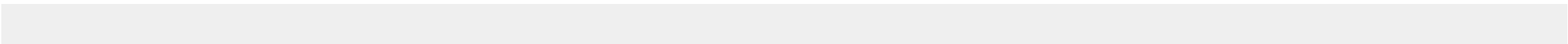
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Package
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 521208-6
HSG,POSI-LOCK MKIII RAST,6P



TE Part # 521206-3
HSG,4P,POS LOCK,MKIII,250 SERI



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



TE Part # 521210-1
POSI-LOK HSG.250-8 POS RAST5



TE Part # 521435-1
HSG,POS-LOK,MARK3.250SRS,6P/4C



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



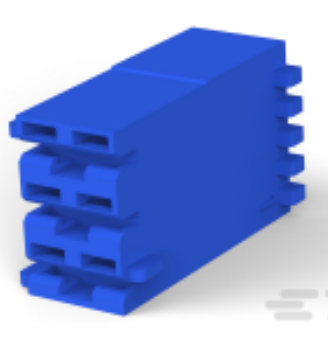
TE Part # 521205-6
RAST 5, P-L HSG.-3 POS (03-K)



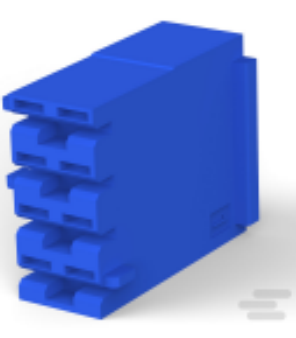
TE Part # 521208-5
HSG,250 POSI-LOC,MKII,6P,NAT



TE Part # 521209-2
HSG POSI-LOCK MARK III



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



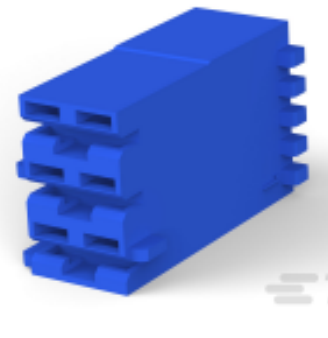
TE Part # 521206-1
POSI-LOK HSG.250-4 POS RAST5



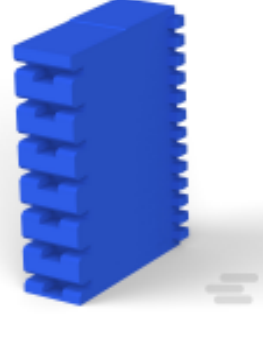
TE Part # 521205-3
HSG,POSI-LOCK MKIII RAST,3P



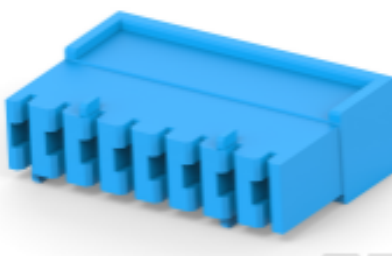
TE Part # 521210-4
HSG,POSILOCK, MKIII, 8 POS,250



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



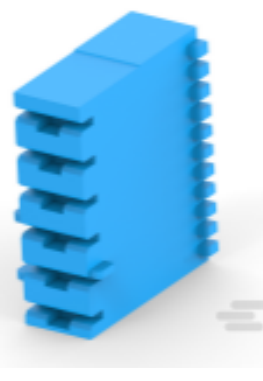
TE Part # 521209-1
POSI-LOK HSG.250-7 POS RAST5



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



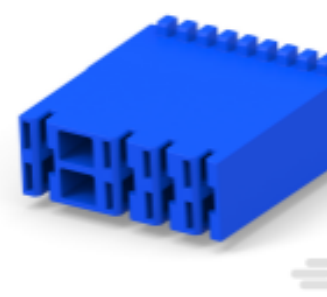
TE Part # 521208-3
HSG,6P,POS LOCK,MKIII,250 SERI



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



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

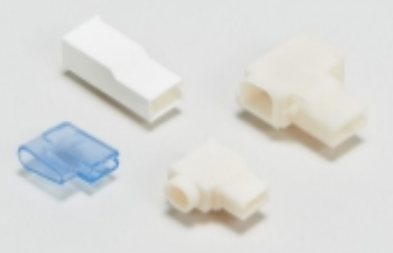


TE Part # 521267-1
POSI-LOK HSG.250-5 POS RAST5

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



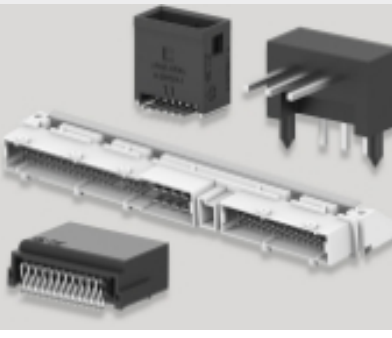
Connector Contacts(12)



Crimp Terminal Housings(39)



Insertion & Extraction Tools(1)



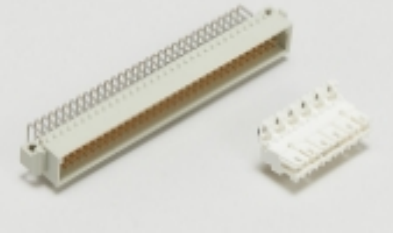
PCB Headers & Receptacles(417)



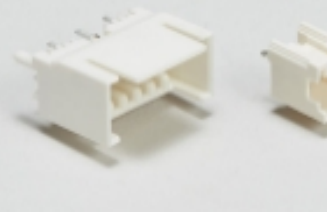
Power Contacts(3)



Rectangular Power Connectors(481)



Standard Edge Connectors(31)



Wire-to-Board Headers & Receptacles (417)

Customers Also Bought



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



TE Part #521204-1
POSI-LOK HSG.250-2 POS RAST5



TE Part #1217094-1
RCPT 250 POS-LOCK 18-14 0126BR



TE Part #640917-2
RECEPT,PIDG FASTON 22-18 187



TE Part #1217378-1
RCPT 250 POS-LOCK 22-18 0126BR



TE Part #1217095-1
RCPT 250 POS-LOCK 16-12 0126BR



TE Part #42742-1
250 FASTON FLAG REC 18-12 AWG
BR



TE Part #41450
250 FASTON REC 14-10 AWG TPBR



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



TE Part #NB13504001
RNF-100-3/8-BK-FSP

Documents

Product Drawings

POSI-LOK HSG.250-6 POS RAST5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_521208-1_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_521208-1_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_521208-1_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

[Agency Approvals](#)

[UL Report](#)

English