



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

|                                       |    |
|---------------------------------------|----|
| Keying & Polarized Position Locations | 3B |
| Number of Positions                   | 3  |
| Number of Rows                        | 1  |

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                       |        |
|-----------------------|--------|
| Contact Type          | Socket |
| Contact Base Material | Brass  |



Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

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

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

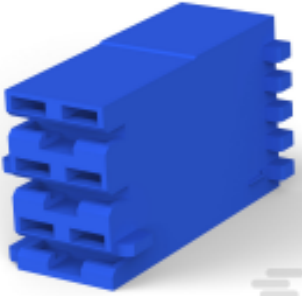
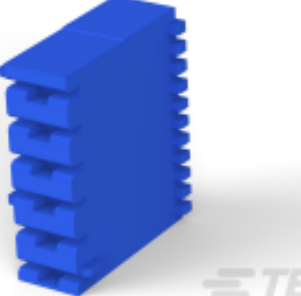
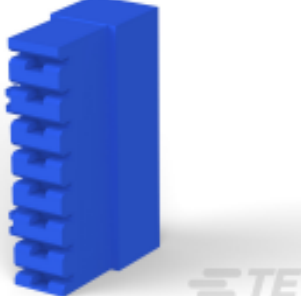
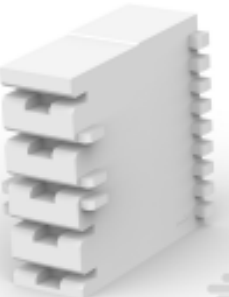
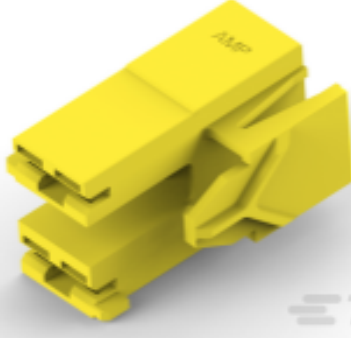


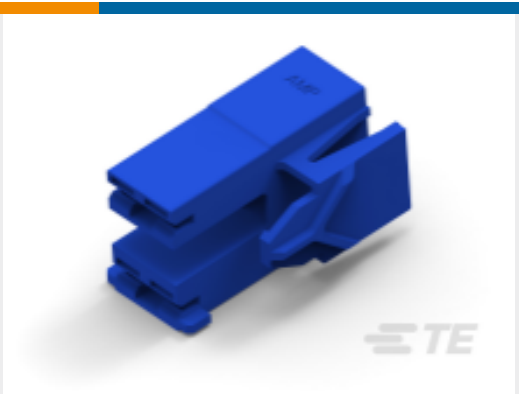
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

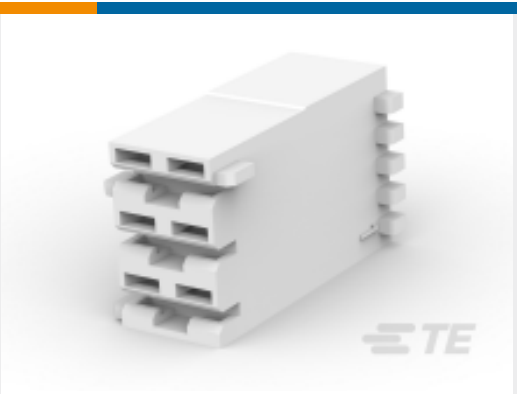
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

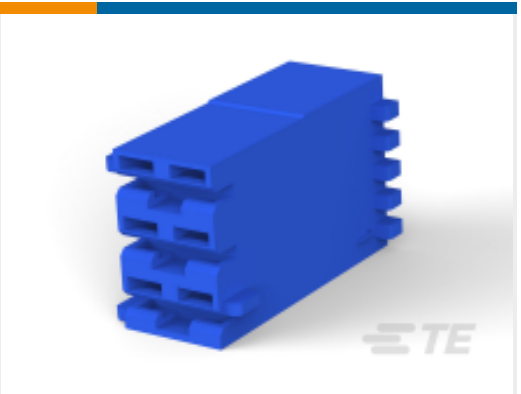
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|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 521205-1<br/>POSI-LOK HSG.250-3 POS RAST5</p>  |  <p>TE Part # 521208-1<br/>POSI-LOK HSG.250-6 POS RAST5</p> |  <p>TE Part # 521210-1<br/>POSI-LOK HSG.250-8 POS RAST5</p>     |  <p>TE Part # 1-521204-1<br/>RAST 5,HSG,2P,GWT POSILOCK MKI</p>            |
|  <p>TE Part # 521207-4<br/>HSG,RAST 5,POSI LOCK MKIII,5P</p> |  <p>TE Part # 1-521205-1<br/>RAST 5, P-L MK3 HSG.-3 POS</p> |  <p>TE Part # 1969117-1<br/>HSG,3P,RAST 5 CRIMP R/A,SPECIAL</p> |  <p>TE Part # 5-1969536-2<br/>GWHSG,RECP,POSILOK MKIII, 250SER,3P 2CIR</p> |



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



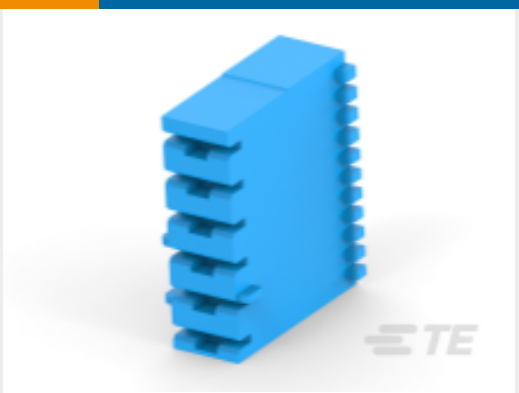
TE Part # 521205-7  
RAST 5, P-L mk3 HSG.-3 POS (sp



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)



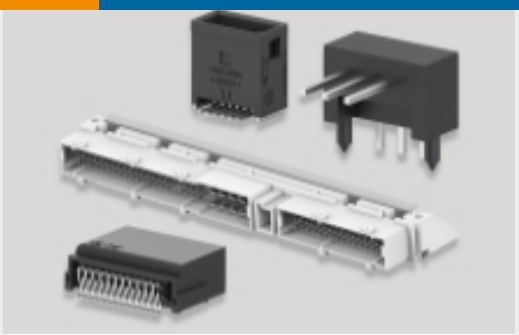
Connector Contacts(14)



Crimp Terminal Housings(39)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(417)



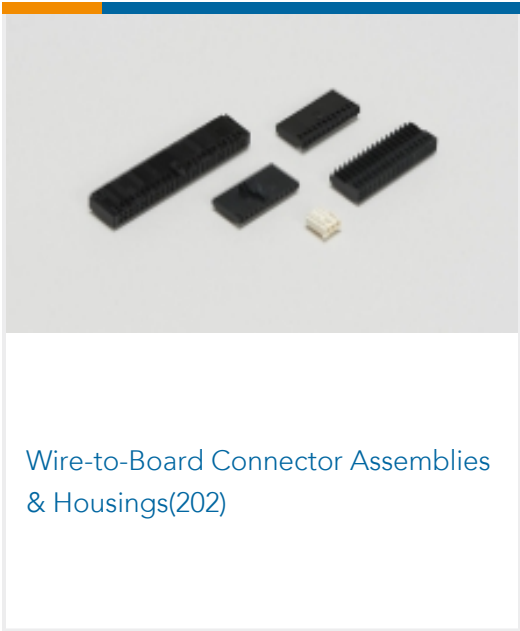
Rectangular Connector Housings(1)



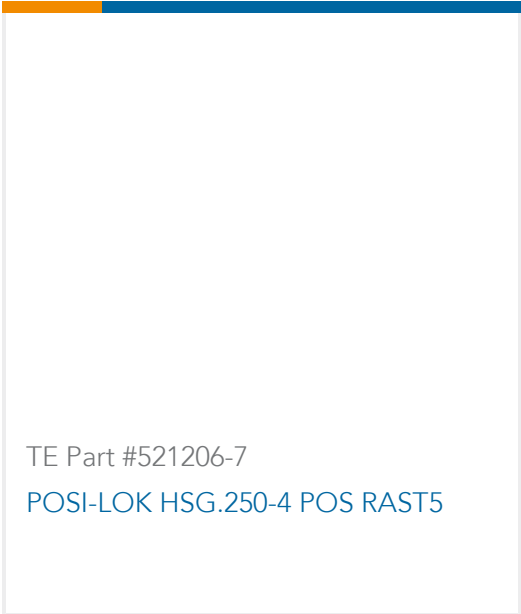
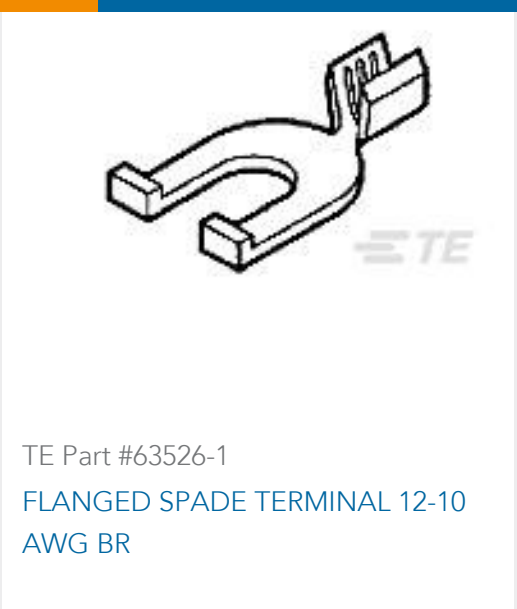
Standard Edge Connectors(32)



Standard Rectangular Connectors(63)



Customers Also Bought



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