

1969589-3 ✓ ACTIVE

Economy Power 2.5

TE Internal #: 1969589-3

Housing, Receptacle, Wire-to-Wire, 3 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,

Economy Power 2.5

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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-Wire**

Number of Positions: **3**

Centerline (Pitch): **2.5 mm [.098 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

Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Contact Type	Pin
Contact Current Rating (Max)	7.5 A



### Termination Features

Termination Method to Wire & Cable	Crimp
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### 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	Nylon - GF
Centerline (Pitch)	2.5 mm [.098 in]
Housing Color	Natural

### Dimensions

Connector Length	10 mm [.393 in]
Connector Height	6.6 mm [.26 in]
Connector Width	18.17 mm [.715 in]
Accepts Wire Insulation Diameter Range	1.3 – 1.7 mm [.051 – .067 in]
Wire Size	.13 – .33 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-25 – 105 °C [-13 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	10000
Packaging Method	Bag

### Other

Comment	Free Hanging
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## 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 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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

 <p>TE Part # 1969589-4 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5</p>	 <p>TE Part # 1969589-2 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5</p>	 <p>TE Part # 1969589-6 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5</p>	 <p>TE Part # 1969588-3 HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5</p>
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TE Part # 1-1969589-3  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-8  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-0  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-1  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-2  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-4  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-5  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-5  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5




TE Part # 1969589-7  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-9  
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

Also in the Series | Economy Power 2.5




Insertion & Extraction Tools(1)



PCB Headers & Receptacles(408)




PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies & Housings(311)



Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #1744417-3  
3 POS EP 2.5 HSG, GLOW WIRE



TE Part #927231-7  
UMNL 9 WAY CAP HOUSING



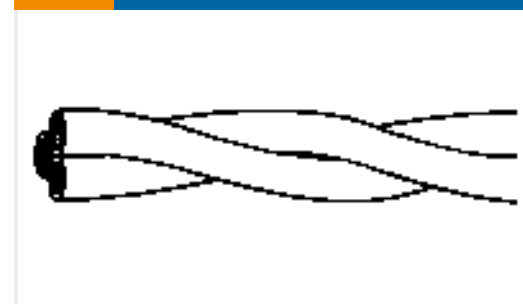
TE Part #1-1863003-2  
UMNL 9WAY PLUG HOUSING



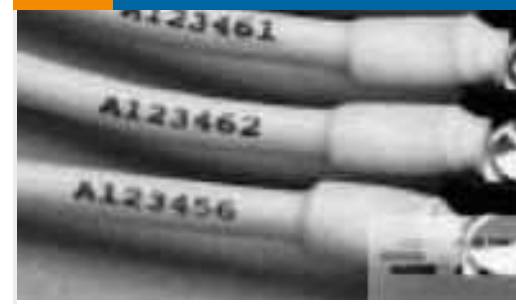
TE Part #1969443-3  
EP 2.5 TPA Retainer, 3 Pos



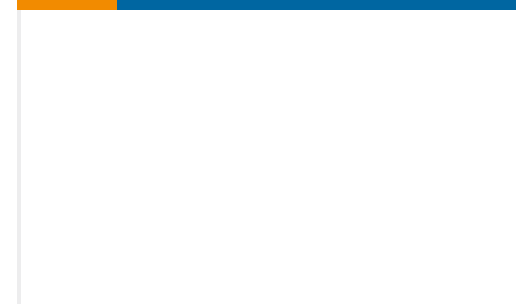
TE Part #1744423-1  
EP 2.5 RCPT CONTACT, 24-20 AWG



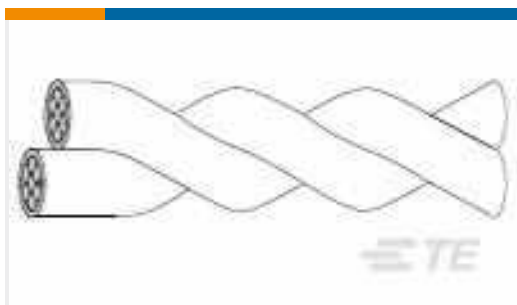
TE Part #3825623001  
44A0131-20-0/2/9



TE Part #5052994073  
RNF-100-1/8-0-SP



TE Part #NB16104001  
RT-375-3/8-X-SP



TE Part #D522093001  
44A0121-20-0/9CK0001

## Documents

### Product Drawings

HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1969589-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969589-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969589-3\\_B.3d\\_stp.zip](#)

English

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### Product Specifications



### Application Specification

English

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### Product Environmental Compliance

[MD\\_1969589-3\\_03232018647\\_dmtec](#)

English

[MD\\_1969589-3\\_03232018647\\_dmtec](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

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### Agency Approvals

[UL Report](#)

English