# 1-1969589-2 ACTIVE

#### **Economy Power 2.5**

TE Internal #: 1-1969589-2

Housing, Receptacle, Wire-to-Wire, 12 Position, 2.5 mm [.098 in] Centerline, Crimp, 1 Row, Natural, Wire & Cable, Power & Signal,

Economy Power 2.5

View on TE.com >

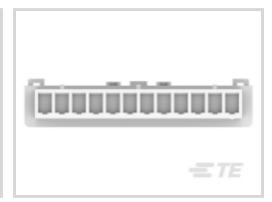


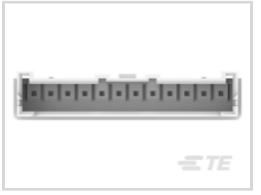
Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings











Connector Product Type: Housing

Connector & Housing Type: Receptacle

Connector System: Wire-to-Wire

Number of Positions: 12

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	12
Number of Rows	1
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
Primary Product Color	Natural

**Contact Features** 



Contact Current Rating (Max)  Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  Strain Relief  Panel Mount Foature  Mithout  Mating Retention Type  Latch  PCR Mount Retention  Mith  Connector Mounting Type  Housing Features  Housing Features  Housing Fire Cable Mount (Free-Hanging)  Housing Fire Cable Mount (Free-Hanging)  Housing Fire Cable Mount (Pree-Hanging)  Housing Fire Cable Mount (Free-Hanging)  Centerline (Pitch)  2.5 mm (298 in)  Dimensions  Connector Width  Compatible Insulation Diameter Range  1.3 – 1.7 mm (251 in)  Connector Height  6.6 mm (26 in)  Wire Size  2.6 22 AWG  Connector Length  Usage Conditions  Operating Temperature Range  2.5 – 105 °C(-13 – 221 °F)  Operation/Application  Circuit Application  Circuit Appli	Contact Type	Pin
Termination Method to Wire & Cable  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 - GF  Housing Entry Configuration Both Ends Closed Centerline (Pitch) 2.5 mm/(.098 in)  Dimensions  Connector Width 18.17 mm/(.715 in) Compatible Insulation Diameter Range 1.3 – 1.7 mm/(.051 – .067 in) Connector Height 6.6 mm/l. 26 in) Wire Size 26 22 AWG Connector Length 39.5 mm/1.279 in  Usage Conditions  Operation/Application Circuit Application Circuit Application Power & Signal Industry Standards  UL Flammability Rating UL 94V-0 Glow Wire Packaging Method Bag	Contact Current Rating (Max)	7.5 A
Mechanical Attachment  Strain Rollof Without  Panel Mount Feature Without  Mating Retention Type Latch  PCB Mount Retention Without  Mating Retention Without  Mating Retention With  Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Housing Material Nylon - GF  Housing Entry Configuration Both Ends Closed  Centerline (Pitch) 2.5 mml.098 inl  Dimensions  Connector Width 18.17 mm[.715 in]  Compatible Insulation Diameter Range 1.3 1.7 mm[.051067 in]  Connector Height 6.6 mm[.26 in]  Wire Size 26 22 AWG  Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operation/Application  Circuit Application  Circuit Application  Industry Standards  UI Hammability Rating UI 9/V-0  Glow Wire Packaging Features  Packaging Features  Packaging Method Bag	Termination Features	
Strain Relief Without  Panel Mount Feature Without  Mating Retention Type Letch  PCB Mount Retention Without  Mating Retention With  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material Nylon - GF  Housing Entry Configuration Both Ends Closed  Centerline (Pitch) 2.5 mml_098 inj  Dimensions  Connector Width 18.17 mm[.715 in]  Compatible Insulation Diameter Range 1.3 1.7 mm[.051067 in]  Connector Height 6.6 mml_26 inj  Wire Size 26 - 22 AWG  Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 = 105 "C[-13 - 221 "T]  Operation/Application  Circuit Application Power & Signal  Industry Standards  UL Plammability Rating UL 94V 0  Glow Wire  Packaging Features  Packaging Features	Termination Method to Wire & Cable	Crimp
Panel Mount Feature Mating Retention Type Latch PCB Mount Retention Without Mating Retention With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features  Housing Material Nylon - GF Housing Entry Configuration Both Ends Closed Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 18.17 mm[.715 in] Compatible Insulation Diameter Range 1.3 - 1.7 mm[.051067 in] Connector Height 4.6 mm[.26 in] Wire Size 26 - 22 AWG Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 - 105 °C[-13 - 221 °F]  Operation/Application Circuit Application Power & Signal Industry Standards  UL Flammability Rating Glow Wire Packaging Features Packaging Method Bag	Mechanical Attachment	
Mating Retention Type PCB Mount Retention Without Mating Retention With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material Nylon - CF Housing Entry Configuration Bath Ends Closed Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 18.17 mm[.715 in] Compatible Insulation Diameter Range 1.3 - 1.7 mm[.051067 in] Connector Height Wire Size 26 - 22 AWG Connector Length 32.5 mm[1.279 in]  Usage Conditions Operating Temperature Range -25 - 105 °C[-13 - 221 °F]  Operation/Application Circuit Application Power & Signal Industry Standards UI Flammability Rating Glow Wire Packaging Features Packaging Method Bag	Strain Relief	Without
PCB Mount Retention  Mating Retention  Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Housing Material  Housing Material  Nylon - GF  Housing Lintry Conliguration  Both Ends Closed  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Width  18.17 mm[.715 in]  Connector Width  18.17 mm[.715 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 - 22 AWG  Connector Length  Usage Conditions  Operating Temperature Range  -25 - 105 °C[-13 - 221 °F]  Operation/Application  Circuit Application  Circuit Application  Circuit Application  UL 94V-0  Glow Wire Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Panel Mount Feature	Without
Mating Retention  Connector Mounting Type  Housing Features  Housing Material  Housing Entry Configuration  Both Ends Closed  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Width  18.17 mm[.715 in]  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector I ength  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UI P4V 0  Glow Wire  Packaging Features  Packaging Method  Bag	Mating Retention Type	Latch
Connector Mounting Type  Housing Features  Housing Material  Housing Eatures  Nylon GF  Housing Entry Configuration  Both Ends Closed  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Width  18.17 mm[.715 in]  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL P4V-0  Glow Wire  Packaging Features  Packaging Method  Bag	PCB Mount Retention	Without
Housing Features  Housing Material Nylon - GF  Housing Entry Configuration Both Ends Closed  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Width 18.17 mm[.715 in]  Compatible Insulation Diameter Range 1.3 – 1.7 mm[.051 – .067 in]  Connector Height 6.6 mm[.26 in]  Wire Size 26 – 22 AWG  Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application Power & Signal  Industry Standards  UI. Flammability Rating UI. 94V-0  Glow Wire Rating Glow Wire  Packaging Features  Packaging Method Bag	Mating Retention	With
Housing Material  Housing Entry Configuration  Centerline (Pitch)  Dimensions  Connector Width  18.17 mm[.715 in]  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Entry Configuration  Centerline (Pitch)  Dimensions  Connector Width  18.17 mm[.715 in]  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Plammability Rating  UL 94V 0  Glow Wire Rating  Packaging Features  Packaging Method  Bag	Housing Features	
Centerline (Pitch)  Dimensions  Connector Width  18.17 mm[.715 in]  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  UL 94V-0  Glow Wire Rating  Packaging Features  Packaging Method  Bag	Housing Material	Nylon - GF
Dimensions  Connector Width 18.17 mm[.715 in]  Compatible Insulation Diameter Range 1.3 – 1.7 mm[.051 – .067 in]  Connector Height 6.6 mm[.26 in]  Wire Size 26 – 22 AWG  Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application Power & Signal  Industry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating Glow Wire  Packaging Features  Packaging Method Bag	Housing Entry Configuration	Both Ends Closed
Connector Width  Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Centerline (Pitch)	2.5 mm[.098 in]
Compatible Insulation Diameter Range  1.3 – 1.7 mm[.051 – .067 in]  Connector Height  6.6 mm[.26 in]  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Dimensions	
Connector Height  Wire Size  26 – 22 AWG  Connector Length  32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range  -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  Glow Wire Rating  Packaging Features  Packaging Method  Bag	Connector Width	18.17 mm[.715 in]
Wire Size 26 – 22 AWG  Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application Power & Signal  Industry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating Glow Wire  Packaging Features  Packaging Method Bag	Compatible Insulation Diameter Range	1.3 – 1.7 mm[.051 – .067 in]
Connector Length 32.5 mm[1.279 in]  Usage Conditions  Operating Temperature Range -25 – 105 °C[-13 – 221 °F]  Operation/Application  Circuit Application Power & Signal  Industry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating Glow Wire  Packaging Features  Packaging Method Bag	Connector Height	6.6 mm[.26 in]
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Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL Flammability Rating  UL 94V-0  Glow Wire Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Usage Conditions	
Circuit Application Power & Signal  Industry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating Glow Wire  Packaging Features  Packaging Method Bag	Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
Industry Standards  UL Flammability Rating  UL 94V-0  Glow Wire Rating  Glow Wire  Packaging Features  Packaging Method  Bag	Operation/Application	
UL Flammability Rating UL 94V-0 Glow Wire Rating Glow Wire  Packaging Features Packaging Method Bag	Circuit Application	Power & Signal
Glow Wire Rating  Packaging Features  Packaging Method  Bag	Industry Standards	
Packaging Features Packaging Method Bag	UL Flammability Rating	UL 94V-0
Packaging Method  Bag	Glow Wire Rating	Glow Wire
	Packaging Features	
	Packaging Method	Bag
	Packaging Quantity	



## **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	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-onreach

## Compatible Parts













TE Part # 2482324-1
EXTRACTION TOOL



TE Part # 1969589-3 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-3 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 # 1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE
ROW,EP2.5



TE Part # 1-2323743-2 HOUSING, PLUG, GWT, 12P, DUAL ROW, EP2.5



TE Part # 1969589-9 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 # 1969589-8 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-7 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 # 1-1969589-4 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



## Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



PCB Headers & Receptacles(533)



Rectangular Power Connectors(531)





Wire-to-Board Connector Assemblies & Housings(305)



Wire-to-Board Headers & Receptacles (533)

## Customers Also Bought



TE Part #2170112-3 Cage Assy SAN Hsink QSFP Behind Bezel



TE Part #2-1658462-3 MSB0.80RC-ASY120FL,-,30,-TY



TE Part #8-2232043-7
7P, RAST 5 Tab Header, THV



TE Part #104483-7 54 SHORT PT RCPT HSG DR .100CL



TE Part #1-1969604-4 14P FH PLUG VAL-U-LOK FH GW



TE Part #1-1658043-3 MSB0.80RC-ASY84DP,-,F,VCTY



TE Part #1-1969604-8 18P FH PLUG VAL-U-LOK FH GW



TE Part #CB5044-000 BSTS-15X4-CL



TE Part #1-1969589-3 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



## **Documents**

## **Product Drawings**

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

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969589-2\_B.2d\_dxf.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969589-2\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969589-2\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

**Product Specifications** 

**Application Specification** 

English

**Instruction Sheets** 

Instruction Sheet (U.S.)

English

**Agency Approvals** 

**VDE** Certificate

English