# 1-1969442-0 ACTIVE

#### **Economy Power 2.5**

TE Internal #: 1-1969442-0

Housing, Receptacle, Wire-to-Board, 10 Position, .098 in [2.5 mm] 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-Board

Number of Positions: 10

Centerline (Pitch): 2.5 mm [ .098 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	
Number of Positions	10
Number of Rows	1
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
Primary Product Color	Natural



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]  Dimensions  Connector Length 27.3 mm[1.075 in] Connector Height 8 mm[.315 in] Connector Width 9.58 mm[.377 in] Wire Size	Contact Type	Socket
Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  Strain Relief  Without  Panel Mount Feature  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 Meterial  Nylon - GF  Centerline (Pitch)  2.5 rmrl (298 in)  Dimensions  Connector Height  8 mm(3.15 in)  Connector Height  9.58 mm(3.77 in)  Wire Size  Usage Conditions  Operating Temperature Range  55 - 105 °C[ 67 - 221 °F]  Operation/Application  Industry Standards  Glow Wire Rating  UL Plammability Rating  UL P4V 0  Packaging Features	Contact Base Material	Copper Alloy
Termination Mathod to Wire & Cable  Mechanical Attachment  Strain Relief Without Panel Mount Feature Without PCB Mount Retention With Cable 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 - CF Centerline (Pitch) 2.5 mm(1098 in)  Dimensions  Connector Length 27.3 mm(10.75 in) Connector Height 8 mm(,315 in) Connector Width 9.58 mm(,315 in) Wire Size 1.1333 mm²  Usage Conditions  Operating Temporature Range -55 - 105 °C[ 67 - 221 °F]  Operation/Application Industry Standards  Glow Wire Rating UL 94V 0  Packaging Features	Contact Current Rating (Max)	4.5 A
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 - Gl  Centerline (Pitch) 2.5 mm (.098 in)  Dimensions  Connector Length 27.3 mm (1.075 in)  Connector Height 8 mm (.315 in)  Connector Width 9.58 mm (.377 in)  Wire Size	Termination Features	
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 (.078 in)  Dimensions  Connector Length 27.3 mm (1.075 in) Connector Height 8 mm (.315 in) Connector Width 9.58 mm (.377 in) Wire Size	Termination Method to Wire & Cable	Crimp
Panel Mount Feature 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]  Dimensions  Connector Length 27,3 mm[1.075 in] Connector Height 8 mm[.315 in] Connector Width 9.58 mm[.377 in] Wire Size 1.1333 mm²  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Operation/Application Circuit Application Power Industry Standards Clow Wire Rating UI 194V 0  Packaging Features	Mechanical Attachment	
PCB Mount Resention 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]  Dimensions  Connector Length 27.3 mm[1.075 in]  Connector Height 8 mm[.315 in]  Connector Width 9.58 mm[.377 in]  Wire Size 1.333 mm²  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL 94V-0  Packaging Features	Strain Relief	Without
Mating Retention Type 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]  Dimensions  Connector Length 27.3 mm[1.075 in] Connector Height 8 mm[.315 in] Connector Width 9.58 mm[.377 in] Wire Size 1.3 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application Circuit Application Power Industry Standards Glow Wire Rating UL 94V-0 Packaging Features	Panel Mount Feature	Without
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]  Dimensions  Connector Length 27.3 mm[1.075 in] Connector Height 8 mm[.315 in] Connector Width 9.58 mm[.377 in]  Wire Size .13 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	PCB Mount Retention	Without
Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Housing Entry Configuration  Both Ends Closed  Nylon - GF  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Length  27.3 mm[1.075 in]  Connector Height  8 mm[.315 in]  Connector Width  9.58 mm[.377 in]  Wire Size  13 – .33 mm²  Usage Conditions  Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  UL 94V 0  Packaging Features	Mating Retention Type	Latch
Housing Features  Housing Entry Configuration  Both Ends Closed  Nylon - GF  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Length  27.3 mm[1.075 in]  Connector Height  8 mm[.315 in]  Connector Width  9.58 mm[.377 in]  Wire Size  .1333 mm²  Usage Conditions  Operating Temperature Range  -55 - 105 °C[-67 - 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  UL Flammability Rating  Packaging Features	Mating Retention	With
Housing Entry Configuration Housing Material Nylon - GF  Centerline (Pitch) 2.5 mm[.098 in]  Dimensions  Connector Length 27.3 mm[1.075 in] Connector Height 8 mm[.315 in] Connector Width 9.58 mm[.377 in] Wire Size 1.333 mm²  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating UL Plammability Rating UL 94V-0  Packaging Features	Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Material  Centerline (Pitch)  2.5 mm[.098 in]  Dimensions  Connector Length  27.3 mm[1.075 in]  Connector Height  8 mm[.315 in]  Connector Width  9.58 mm[.377 in]  Wire Size  .1333 mm²  Usage Conditions  Operating Temperature Range  -55 - 105 °C[-67 - 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  UL 94V-0  Packaging Features	Housing Features	
Centerline (Pitch)  Dimensions  Connector Length  Connector Height  8 mm[.315 in]  Connector Width  9.58 mm[.377 in]  Wire Size  1.3 – .33 mm²  Usage Conditions  Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  UL 94V-0  Packaging Features	Housing Entry Configuration	Both Ends Closed
Dimensions  Connector Length 27.3 mm[1.075 in]  Connector Height 8 mm[.315 in]  Connector Width 9.58 mm[.377 in]  Wire Size .13 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	Housing Material	Nylon - GF
Connector Length 27.3 mm[1.075 in]  Connector Height 8 mm[.315 in]  Connector Width 9.58 mm[.377 in]  Wire Size .13 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	Centerline (Pitch)	2.5 mm[.098 in]
Connector Height 8 mm[.315 in]  Connector Width 9.58 mm[.377 in]  Wire Size .13 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	Dimensions	
Connector Width 9.58 mm[.377 in]  Wire Size .13 – .33 mm²  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating  Packaging Features	Connector Length	27.3 mm[1.075 in]
Wire Size  Usage Conditions  Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  Standard Part - Not Glow Wire  UL Flammability Rating  UL 94V-0  Packaging Features	Connector Height	8 mm[.315 in]
Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	Connector Width	9.58 mm[.377 in]
Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  UL Flammability Rating  UL 94V-0  Packaging Features	Wire Size	.13 – .33 mm²
Operation/Application  Circuit Application  Power  Industry Standards  Glow Wire Rating  Standard Part - Not Glow Wire  UL Flammability Rating  UL 94V-0  Packaging Features	Usage Conditions	
Circuit Application Power  Industry Standards  Glow Wire Rating Standard Part - Not Glow Wire  UL Flammability Rating UL 94V-0  Packaging Features	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Industry Standards  Glow Wire Rating  UL Flammability Rating  UL 94V-0  Packaging Features	Operation/Application	
Glow Wire Rating  UL Flammability Rating  UL 94V-0  Packaging Features	Circuit Application	Power
UL Flammability Rating  UL 94V-0  Packaging Features	Industry Standards	
Packaging Features	Glow Wire Rating	Standard Part - Not Glow Wire
	UL Flammability Rating	UL 94V-0
Packaging Quantity 500	Packaging Features	
	Packaging Quantity	500
Packaging Method Bag	Packaging Method	Bag



# **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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-1744418-0 10 POS EP 2.5 HDR, GLOW WIRE



TE Part # 1-1744426-0 Header Housing Assy, EP 2.5 RA, 10



TE Part # 1-1969443-0 EP 2.5 TPA Retainer, 10 Pos



TE Part # 1-1969541-0 RETAINER, TPA, DUAL ROW, EP2.5



TE Part # 1-2132230-0 EP2.5 Shrouded HDR ASSY 10P VE



TE Part # 1-2132415-0 EP2.5 Shrouded HDR ASSY 10P VERT w/oboss



TE Part # 1-2304185-0 EP2.5 HDR ASSY 10P VERT W/O BOSS



TE Part # 1-2324201-0 HSG,REC,FREE-HANGING,GWT, DUALROW,EP2.5



TE Part # 1-2324448-0 ASSY, HDR, RIGHT ANGLE, DUAL ROW, EP2.5



TE Part # 1-2324579-2 HOUSING, PLUG, 12P, DUAL ROW, EP2.5



TE Part # 1-2324579-4 HOUSING, PLUG, 14P, DUAL ROW, EP2.5

# Also in the Series | Economy Power 2.5



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(494)



PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



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



# Customers Also Bought





TE Part #1971778-3
PTL TPA HIGH TEMP 2 x 3 BLACK



TE Part #1971786-1 PTL TAB CONTACT, 20 - 24 AWG



TE Part #1969442-9 EP 2.5 TPA Housing, 9 Pos



TE Part #2132781-9 09P EP-II HOUSING, NATURAL



TE Part #1969442-6 EP 2.5 TPA Housing, 6 Pos



TE Part #1969443-6 EP 2.5 TPA Retainer, 6 Pos



TE Part #1969442-4 EP 2.5 TPA Housing, 4 Pos



TE Part #2110989-1 EP 2.5 RCPT CONTACT, 26-22 AWG



TE Part #521600-2 ULTRA-POD 187 ASY REC 22-18 AWG TPBR



TE Part #1969588-3 HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5

## **Documents**

**Product Drawings** 

EP 2.5 TPA Housing, 10 Pos

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969442-0\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969442-0\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1969442-0\_C.3d\_stp.zip

English

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

Datasheets & Catalog Pages



#### 7-1773461-6\_EP2.5\_Connector\_Series

English

**Product Specifications** 

**Application Specification** 

English

**Instruction Sheets** 

Instruction Sheet (U.S.)

English

Agency Approvals

**UL Report** 

English