# 2-2132230-0 ACTIVE

#### **Economy Power 2.5**

TE Internal #: 2-2132230-0

Rectangular Power Connectors, Header, Plug, Wire-to-Wire / Wire-to-Board, 20 Position, 2.5 mm [.098 in] Centerline, Economy Power

2.5

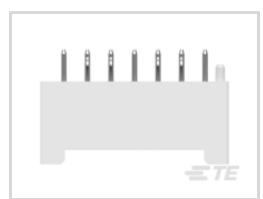
View on TE.com >



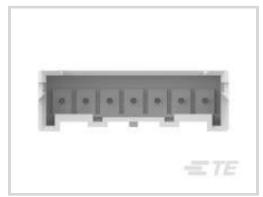
Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Header

Connector & Housing Type: Plug

Connector System: Wire-to-Board, Wire-to-Wire

Number of Positions: 20

Centerline (Pitch): 2.5 mm [ .098 in ]

### **Features**

## **Product Type Features**

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Columns	20
Number of Loaded Positions	20
Number of Positions	20
PCB Mount Orientation	Vertical
Number of Power Positions	20

### **Electrical Characteristics**

Number of Rows



Contact Mating Area Plating Material Contact Underplating Material Contact Base Material Contact Base Material Contact Current Rating (Max) Contact Retention Within Housing Without Contact Type PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Thickness Termination Features  Termination Method to Printed Circuit Board Through Hole Solder  Mechanical Attachment  Mating Alignment Type Polarization Mating Alignment Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm (L098 in) Housing Color Housing Material PBT  Dimensions  Connector Height 8.8 mm (346 in) Product Width Product Width 6.4 mm (251 in) Product Length Usage Conditions  Operating Lemperature Range Operating Lemperature Range Operating Lemperature Range Operation Application No Croult Application Power		
Contact Underplating Material Nickel Contact Deser Material Nickel Contact Deser Material Passs Contact Current Rating (Max) 4.2 A Contact Current Rating (Max) 4.2 A Contact Current Rating (Max) 4.2 A Contact Type Pin PCIB Contact Lermination Area Plating Material I in Contact Mating Area Plating Material I in Contact Mating Area Plating Material Thickness  Termination Features  Lermination Features  Lermination Features  Recognized  Mechanical Attachment  Mating Alignment Type Polarization  Mating Alignment With Connector Mounting Type Board Mount  Housing Features  Contectine (Pitch) 2.5 mm (1998 in) Housing Color Natural  Housing Material PBT  Dimensions  Connector Height 9.8 mm (346 in) Product Width 6.4 mm (251 in) Product Length 5.2.5 mm (2066 in)  Usage Conditions  Operation/Application  Operation/Application  Shielded No Circuit Application  Recognized	Operating Voltage	250 VAC
Contact Base Material Brass Contact Current Rating (Max) 4.2 A Contact Current Rating (Max) 4.2 A Contact Tetention Within Housing Without Contact Type Pin PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Thickness 2.032 µm(80 µin) Termination Features Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Alignment Lype Polarization Mating Alignment Lype Board Mount Connector Mounting Type Board Mount Housing Features  Centerline (Pitch) 2.5 mm(.098 in) Housing Color Natural Housing Material PRT  Dimensions  Connector Height 8.8 mm(.346 in) Product Length S2.5 mm(1206 in) Usage Conditions  Operating Temperature Range 55 105 °C[ 67 221 °F]  Operating Temperature Range Power Industry Standards UI Rating Recognized	Contact Features	
Contact Base Material Brass  Contact Current Rating (Max) 4.2 A  Contact Retention Within Housing Without  Contact Type PCB Contact Tormination Area Plating Material Tin  Contact Mating Area Plating Material Thickness 2.032 µm 80 µin   Termination Features  Termination Method to Printed Circuit Board Through Hole Solder  Mechanical Attachment  Mating Alignment Type Polarization  Mating Alignment Type Board Mount  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm .098 in   Housing Material PBT  Dimensions  Connector Height 8.8 mm .376 in   Product Width 6.4 mm .251 in   Product Length S2.5 mm .2066 in   Usage Conditions  Operating Temperature Range 5.5 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No  Crouli Application  Recognized	Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)  Contact Retention Within Housing  Contact Type  PIn  PCB Contact Termination Area Plating Material  Contact Mating Area Plating Material Tin  Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Printed Circuit Board  Mechanical Attachment  Mating Alignment Type  Mating Alignment Type  Mounting Type  Board Mount  Housing Features  Centerline (Pitch)  Losing Color  Housing Material  PBT  Dimensions  Connector Height  Product Width  At mm, 251 in    Product Width  Product Length  Usage Conditions  Operating Imperature Range  Pawer  Industry Standards  UL Rating  Recognized	Contact Underplating Material	Nickel
Contact Retention Within Housing Pin  Contact Type Pin  PCB Contact Termination Area Plating Material Tin  Contact Mating Area Plating Material Thickness 2.032 µm(80 µin)  Termination Features  Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment Type Polarization  Mating Alignment Type Board Mount  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm(.098 in)  Housing Color Natural  Housing Material PBT  Dimensions  Connector Height 8.8 mm(.251 in)  Product Length 8.2.5 mm(2.066 in)  Usage Conditions  Operating Temperature Range -55 – 105 °C(-67 – 221 °F)  Operation/Application  Shielded No  Circuit Application Power  Industry Standards  Ul. Rating Recognized	Contact Base Material	Brass
Contact Type Pin PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Thickness 2.032 µm[80 µin]  Termination Features  Termination Method to Printed Circuit Roard Through Hole - Solder  Mechanical Attachment  Mating Alignment Type Polarization Mating Alignment Type Board Mount  Housing Features  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural PB I  Dimensions  Connector Height 8.8 mm[.346 in] Product Width 6.4 mm[.251 in] Product Langth 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application Power  Industry Standards  UL Rating Recognized	Contact Current Rating (Max)	4.2 A
PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Thickness Termination Features  Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment Mating Alignment Type Polarization Mating Alignment Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mml_098 in] Housing Color Natural Housing Material PBT  Dimensions  Connector Height 8.8 mml_346 in] Product Width 6.4 mml_251 in] Product Length Usage Conditions  Operating Temperature Range -55 – 105 "Cl_67 – 221 "F] Operation/Application Shielded No Circuit Application Industry Standards  UL Rating Recognized	Contact Retention Within Housing	Without
Contact Mating Area Plating Material Thickness 2.032   Termination Features  Termination Method to Printed Circuit Board Through Hole - Solder  Mechanical Attachment  Mating Alignment Type Polarization Mating Alignment Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Housing Material PBT  Dimensions  Connector Height 8.8 mm[.346 in] Product Width 6.4 mm[.251 in] Product Length 52.5 mm[2.066 in]  Usage Conditions  Circuit Application Power  Industry Standards  UI. Rating Recognized	Contact Type	Pin
Termination Features  Termination Method to Printed Circuit Board  Mechanical Attachment  Mating Alignment Type Mating Alignment  Mating Alignment  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm (.098 in)  Housing Material PBT  Dimensions  Connector Height 8.8 mm (.346 in)  Product Width 6.4 mm (.251 in)  Product Length  Usage Conditions  Operation/Application  Shielded No Circuit Application  Power  Industry Standards  UL Rating  Recognized	PCB Contact Termination Area Plating Material	Tin
Termination Method to Printed Circuit Board  Mechanical Attachment  Mating Alignment Type Polarization Mating Alignment Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Housing Material PBT  Dimensions  Connector Height 8.8 mm[.346 in] Product Width 6.4 mm[.251 in] Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range 55 - 105 °C[ 67 - 221 °F]  Operation/Application Shielded No Circuit Application Industry Standards UI Rating Recognized	Contact Mating Area Plating Material Thickness	2.032 μm[80 μin]
Mechanical Attachment  Mating Alignment Type	Termination Features	
Mating Alignment Type Mating Alignment With  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 2.5 mm[.098 in] Housing Color Natural Housing Material PBT  Dimensions  Connector Height Product Width 6.4 mm[.251 in] Product I ength  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application Industry Standards  UI Rating Recognized	Termination Method to Printed Circuit Board	Through Hole - Solder
Mating Alignment  Connector Mounting Type  Board Mount  Housing Features  Centerline (Pitch)  Lousing Color  Natural  Housing Material  PBT  Dimensions  Connector Height  8.8 mm[.346 in]  Product Width  Product Length  Solor  Coperating Temperature Range  Operation/Application  Shielded  No  Circuit Application  Industry Standards  With  Board Mount  Board Mount  Board Mount  Ann. 255 mm[.098 in]  Antural  PBT  Dimensions  Louine (Pitch)  Antural  Antural  Antural  Antural  Antural  Antural  Antural  Antural  PBT  Dimensions  Connector Height  8.8 mm[.346 in]  6.4 mm[.251 in]  Fooduct Length  Solor For CI-67 - 221 °F]  Operating Temperature Range  Operating Temperature Range  Antural  Power  Industry Standards  UL Rating  Recognized	Mechanical Attachment	
Connector Mounting Type  Housing Features  Centerline (Pitch)  2.5 mm[.098 in]  Housing Color  Natural  Housing Material  PBT  Dimensions  Connector Height  8.8 mm[.346 in]  Product Width  6.4 mm[.251 in]  Product Length  Usage Conditions  Operating Temperature Range  Operation/Application  Shielded  No  Circuit Application  Industry Standards  UL Rating  Recognized	Mating Alignment Type	Polarization
Housing Features  Centerline (Pitch)  Lousing Color  Response Note of the special section o	Mating Alignment	With
Centerline (Pitch)  Housing Color  Natural  Housing Material  PBT  Dimensions  Connector Height  8.8 mm[.346 in]  Product Width  6.4 mm[.251 in]  Product Length  52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range  -55 – 105 °C[ 67 – 221 °F]  Operation/Application  Shielded  No  Circuit Application  Industry Standards  UL Rating  Recognized	Connector Mounting Type	Board Mount
Housing Color Housing Material PBT  Dimensions  Connector Height 8.8 mm[.346 in] Product Width 6.4 mm[.251 in] Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application  Industry Standards  UL Rating Recognized	Housing Features	
Housing Material  Dimensions  Connector Height 8.8 mm[.346 in]  Product Width 6.4 mm[.251 in]  Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No  Circuit Application Power  Industry Standards  UL Rating Recognized	Centerline (Pitch)	2.5 mm[.098 in]
Dimensions  Connector Height 8.8 mm[.346 in]  Product Width 6.4 mm[.251 in]  Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application Power  Industry Standards  UL Rating Recognized	Housing Color	Natural
Connector Height 8.8 mm[.346 in]  Product Width 6.4 mm[.251 in]  Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application Power  Industry Standards  UL Rating Recognized	Housing Material	PBT
Product Width 6.4 mm[.251 in]  Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No  Circuit Application Power  Industry Standards  UL Rating Recognized	Dimensions	
Product Length 52.5 mm[2.066 in]  Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No  Circuit Application Power  Industry Standards  UL Rating Recognized	Connector Height	8.8 mm[.346 in]
Usage Conditions  Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded No Circuit Application Power  Industry Standards  UL Rating Recognized	Product Width	6.4 mm[.251 in]
Operating Temperature Range  -55 – 105 °C[-67 – 221 °F]  Operation/Application  Shielded  No  Circuit Application  Power  Industry Standards  UL Rating  Recognized	Product Length	52.5 mm[2.066 in]
Operation/Application  Shielded No Circuit Application Power  Industry Standards  UL Rating Recognized	Usage Conditions	
Shielded No Circuit Application Power Industry Standards UL Rating Recognized	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Circuit Application Power  Industry Standards  UL Rating Recognized	Operation/Application	
Industry Standards  UL Rating  Recognized	Shielded	No
UL Rating Recognized	Circuit Application	Power
	Industry Standards	
Agency/Standard UL	UL Rating	Recognized
	Agency/Standard	UL



UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Quantity	250
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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### 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



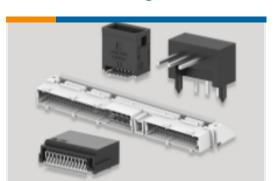




## Also in the Series | Economy Power 2.5



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(494)



PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



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



Wire-to-Board Connector Contacts(6)

## Customers Also Bought

















#### **Documents**

### **Product Drawings**

EP2.5 Shrouded HDR ASSY 20P VE

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-2132230-0\_H.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-2132230-0\_H.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-2132230-0\_H.3d\_stp.zip

English

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

### Datasheets & Catalog Pages

7-1773458-5\_ECONOMY\_POWER\_QRG

English

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

English

### **Product Specifications**

**Application Specification** 

English

## **Product Environmental Compliance**

**Product Compliance** 

English

**Product Compliance** 

English

### **Instruction Sheets**

Instruction Sheet (U.S.)

English

### Agency Approvals

**UL Report** 

English

**UL Report** 

English