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

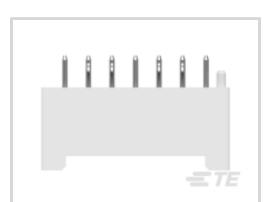
View on TE.com >



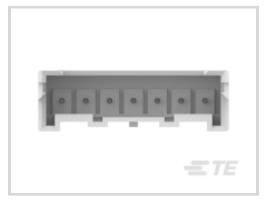
Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











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
Number of Rows	1



Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Base Material Contact Base Material Contact Retention Within Housing Without Contact Retention Within Housing Without Contact Type PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Tin Contact Mating Area Plating Material Thickness Usual Jun 180 pin 1 Termination Features Lermination 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 mm1.098 in 1 Housing Color Natural Housing Material PBT Dimensions Connector Height 8.8 mm1.346 in 1 Product Width 4.4 mm [251 in] Product Length Usage Conditions Operating Temperature Range 5.5 105 °C[67 221 °F] Operation/Application Shielded No Circuit Application		
Contact Underplating Material Nickel Contact Underplating Material Rases Contact Underplating Material Rases Contact Current Rating (Max) 4.2 A Contact Retention Within Housing Without Contact Type Pir COntact Type Pir COntact Type Pir Contact Mating Area Plating Material Tin Contact Mating Area Plating Material Tin Contact Mating Area Plating Material Thickness Termination Features Termination Features Termination Features Termination Method to Printed Circuit Board Through Hole - Solder Machanical Attachment Mating Alignment Type Polarization 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 8.8 mm[,346 in] Product Width 6.4 mm[,251 in] Product Width 6.4 mm[,251 in] Product Width 6.7 mm[,296 in] Usage Conditions Ciperating Temperature Range 5.5 – 105 °C[,67 – 221 °F] Operation/Application Shielded Ne Circuit Application Recognized UL Rasing Recognized	Operating Voltage	250 VAC
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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 With 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 Length S2.5 mm(2066 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 Board Through Hole - Solder Mechanical Attachment Mating Alignment Type Polarization Mating Alignment With Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.5 mm(.098 in) Ilousing 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 Power Industry Standards UI Rating Recognized	Contact Current Rating (Max)	4.2 A
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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 With 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 Power Industry Standards UL Rating Recognized	Contact Type	Pin
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Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment Type	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) Lousing Material PBT Dimensions Connector Height Product Width Advanta Product Width Advanta Product Length Usage Conditions Operating Temperature Range Shielded No Circuit Application Industry Standards UL Rating Polarization With With With Board Mount With Aunual PBT PBT Autural PBT Autura	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 Product Width Product Uength Solor Coperating Temperature Range Operation/Application Shielded Circuit Application Industry Standards With Board Mount Board Mount Board Mount Aunting Board Mount Board Mount Aunting Board Mount Aunting Board Mount Board Mount Aunting Board Mount Board Mount Board Mount Board Mount Board Mounting Board Mounting	Mechanical Attachment	
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Housing Features Centerline (Pitch) Lousing Color Routing 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	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 Power 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: JUNE 2023 (235) 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



PCB Headers & Receptacles(494)



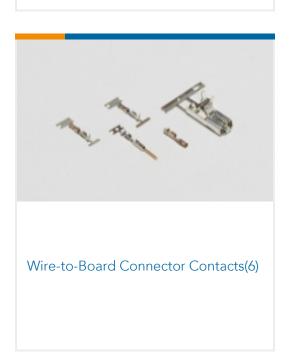
PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



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



Customers Also Bought

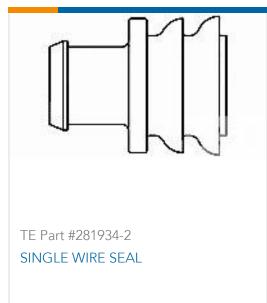
















Documents

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