

1744357-8 ✓ ACTIVE

Economy Power

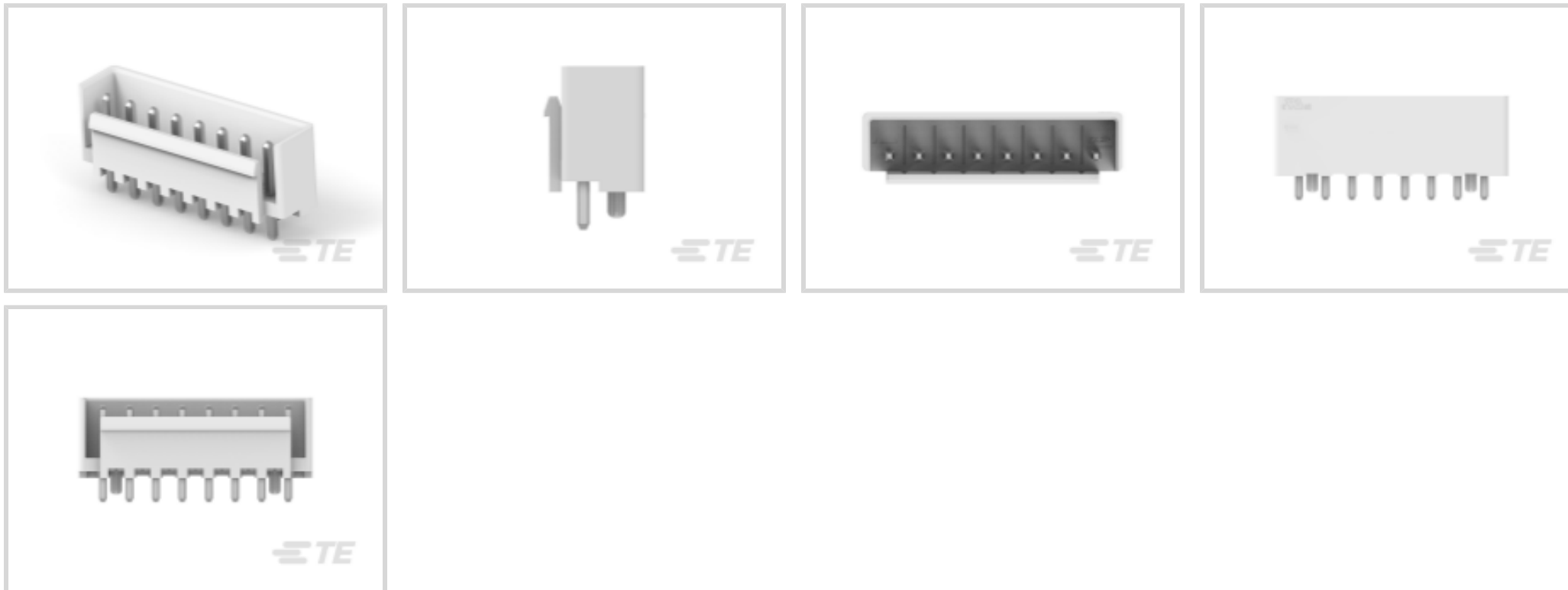
TE Internal #: 1744357-8

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Economy Power

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**

Number of Positions: **8**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	8
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.78 mm[.306 in]
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	1 μ m[39.37 μ in]
Contact Layout	Inline
Contact Underplating Material Thickness	.8 μ m[31.49 μ in]
Contact Mating Area Plating Material Thickness	1 μ m[39.37 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.62 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

	1.375 in
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Connector Height	12 mm[.472 in]
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Connector Width	9.58 mm[.377 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Compatible With Agency/Standards Products	UL
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	250
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Packaging Method	Bag
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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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 # 2132781-8
08P EP-II HOUSING, NATURAL



TE Part # 1744416-8
8 POS EP II HSG, GLOW WIRE



TE Part # 1-1877285-2
12P EP SHRD HDR ASMY, WHITE



TE Part # 1-1877285-1
11P EP SHRD HDR ASMY, WHITE



TE Part # 1744427-8
EP Header Asy,Shrouded,8 Pos, GW



TE Part # 1-1744427-8
EP HEADER ASY,SHROUDED,8 POS, GW,NO PIN7



TE Part # 1744357-3
3.96 EP SHROUDED HDR ASSY 3P W



TE Part # 1744357-4
3.96 EP SHROUDED HDR ASSY 4P W



TE Part # 1744357-7
3.96 EP SHROUDED HDR ASSY 7P W /PEGS



TE Part # 1744497-8
08P EP-II HOUSING, GREY



TE Part # 2-1877285-2
02P EP SHRD HDR ASMY, BLACK



TE Part # 2-1877285-3
03P EP SHRD HDR ASMY, BLACK



TE Part # 2-1877285-7
07P EP SHRD HDR ASMY, BLACK



TE Part # 2-1877285-8
08P EP SHRD HDR ASMY, BLACK

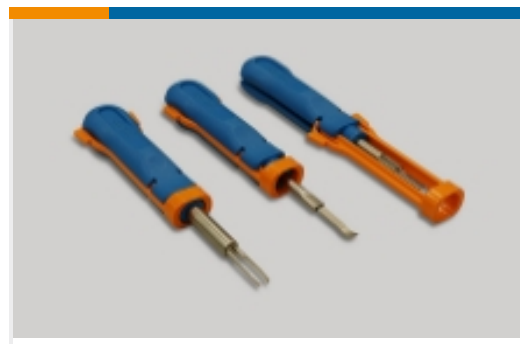
Also in the Series | **Economy Power**



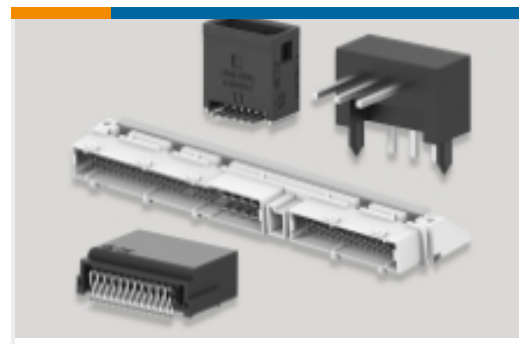
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)



Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



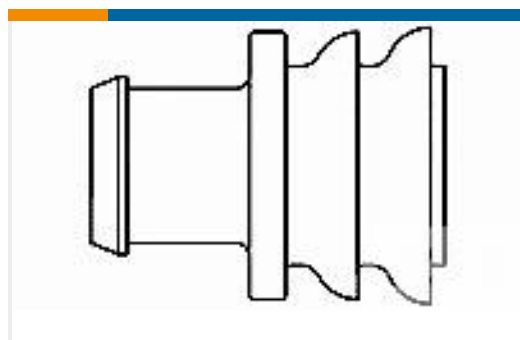
TE Part #W2S
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

[3.96 EP SHROUDED HDR ASSY 8P W](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1744357-8_B_c-1744357-8-b.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1744357-8_B_c-1744357-8-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1744357-8_B_c-1744357-8-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

Agency Approvals

[UL Report](#)

English