

1877285-2 ✓ ACTIVE

Economy Power

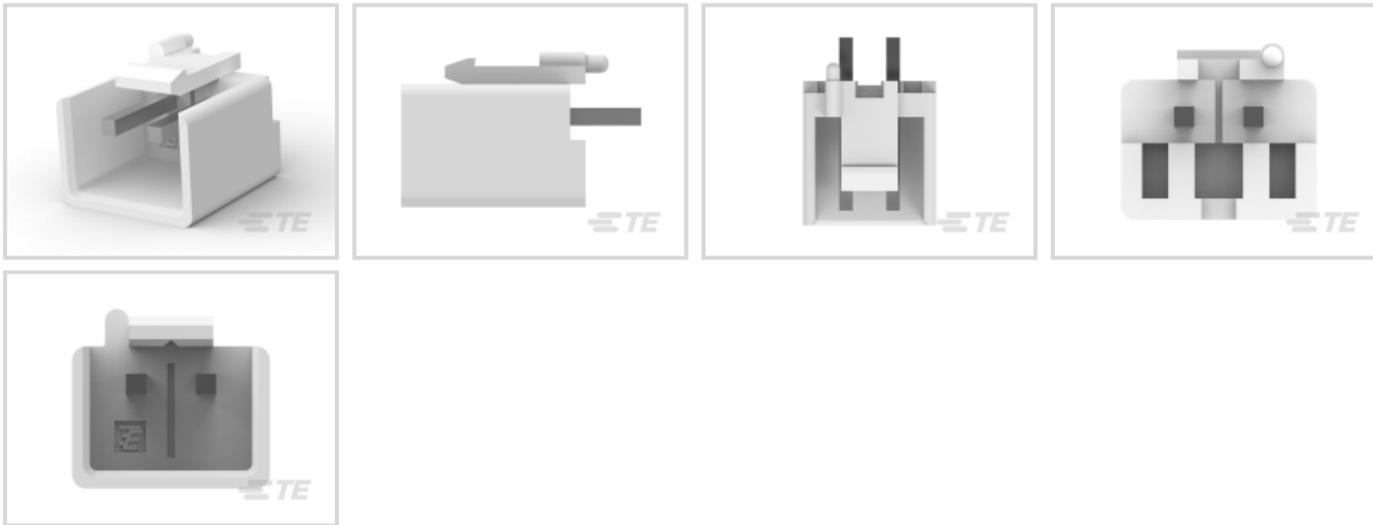
TE Internal #: 1877285-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

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

### Features

#### Product Type Features

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

#### Configuration Features

Number of Loaded Positions	2
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1
Number of Power Positions	2

#### Electrical Characteristics



Operating Voltage	250 VDC
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### Body Features

Primary Product Color	White
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### Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	.8 $\mu\text{m}$ [31.5 $\mu\text{in}$ ]
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Contact Size	1.14mm
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PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
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Contact Shape & Form	Square
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Contact Layout	Inline
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Contact Mating Area Length	7.78 mm[.306 in]
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Contact Base Material	Brass
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Mating Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
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Contact Type	Tab
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Contact Current Rating (Max)	8 A
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PCB Contact Termination Area Plating Material	Tin
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### Termination Features

Termination Post & Tail Length	3.6 mm[.141 in]
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Square Termination Post & Tail Dimension	1.14 mm[.045 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

Mating Retention Type	Locking Tab
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Mating Alignment Type	Polarization
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PCB Mount Alignment Type	Polarization Post
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PCB Mount Alignment	With
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Mating Retention	With
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PCB Mount Retention	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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### Housing Features

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

Connector Width	9.58 mm[.377 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	12 mm[.472 in]
Connector Length	11.17 mm[.44 in]

### Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

### Operation/Application

Circuit Application	Power
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	600
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: 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	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



TE Part # 2309279-5  
05P EP SHRDR HDR ASY, NO 2 PIN, WHITE



TE Part # 1744357-6  
3.96 EP SHROUDED HDR ASSY 6P W /PEGS



TE Part # 1744485-5  
05P EP SHRDR HDR ASMY, GREEN



TE Part # 1744544-2  
EP II TPA 02P, BLACK



TE Part # 1744484-4  
04P EP SHRDR HDR ASMY, YELLOW



TE Part # 1-1744490-0  
10P EP SHRDR HDR ASMY, BLACK



TE Part # 1744486-6  
06P EP SHRDR HDR ASMY, BLUE



TE Part # 2132813-2  
2 pos. EP II housing w/rtnr



TE Part # 2309279-8  
08P EP SHRDR HDR ASY, NO 7 PIN, WHITE



TE Part # 1744487-8  
08P EP SHRDR HDR ASMY, GREY



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



TE Part # 2154828-1  
Cable Assembly EPII 2 Pos



TE Part # 2309279-3  
03P EP SHRDR HDR ASY, NO 2 PIN, WHITE



TE Part # 1-1123722-2  
3.96 EP PLUG HSG 2P(NATURAL)



TE Part # 1744483-3  
03P EP SHRDR HDR ASMY, ORANGE



TE Part # 1744357-5  
3.96 EP SHROUDED HDR ASSY 2P W

Also in the Series | **Economy Power**



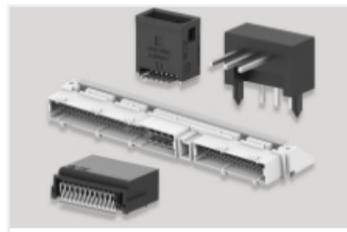
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



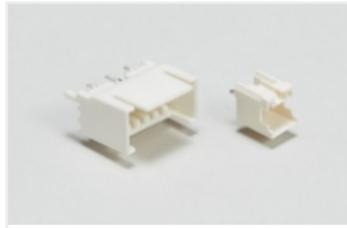
PCB Headers & Receptacles(483)



Power Contacts(9)



Rectangular Power Connectors(581)



Wire-to-Board Headers & Receptacles (483)

## Customers Also Bought



TE Part #7-147729-0  
21 MODIV VRT SR SFMNT SN



TE Part #826469-6  
2X6P MOD II SHROUDED HEADER, ST



TE Part #826470-6  
2X6P MOD II SHROUDED HEADER, RT ANG.



TE Part #1623719-6  
CCR1 1K0 10%



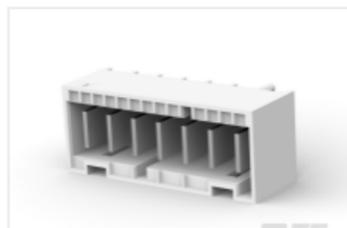
TE Part #8-1676480-2  
CRG0402 1% 680R



TE Part #1744483-3  
03P EP SHRD HDR ASMY, ORANGE



TE Part #1744484-4  
04P EP SHRD HDR ASMY, YELLOW



TE Part #2232532-7  
7P, PL RAST 5 Tab Header, TH,Vertical



TE Part #2232532-8  
8P, PL RAST 5 Tab Header, TH,Vertical



TE Part #6-2338245-4  
EP2.5 HDR 4P VERT BOSS,yellow,UL

## Documents



### Product Drawings

[02P EP SHRD HDR ASMY, WHITE](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1877285-2\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1877285-2\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1877285-2\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[AMP\\_ECONOMY\\_POWER\\_SHROUDED\\_HEADERS](#)

English

[7-1773458-5\\_ECONOMY\\_POWER\\_QRG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[VDE Certificate](#)

English