

1744357-8 ✓ ACTIVE

Economy Power

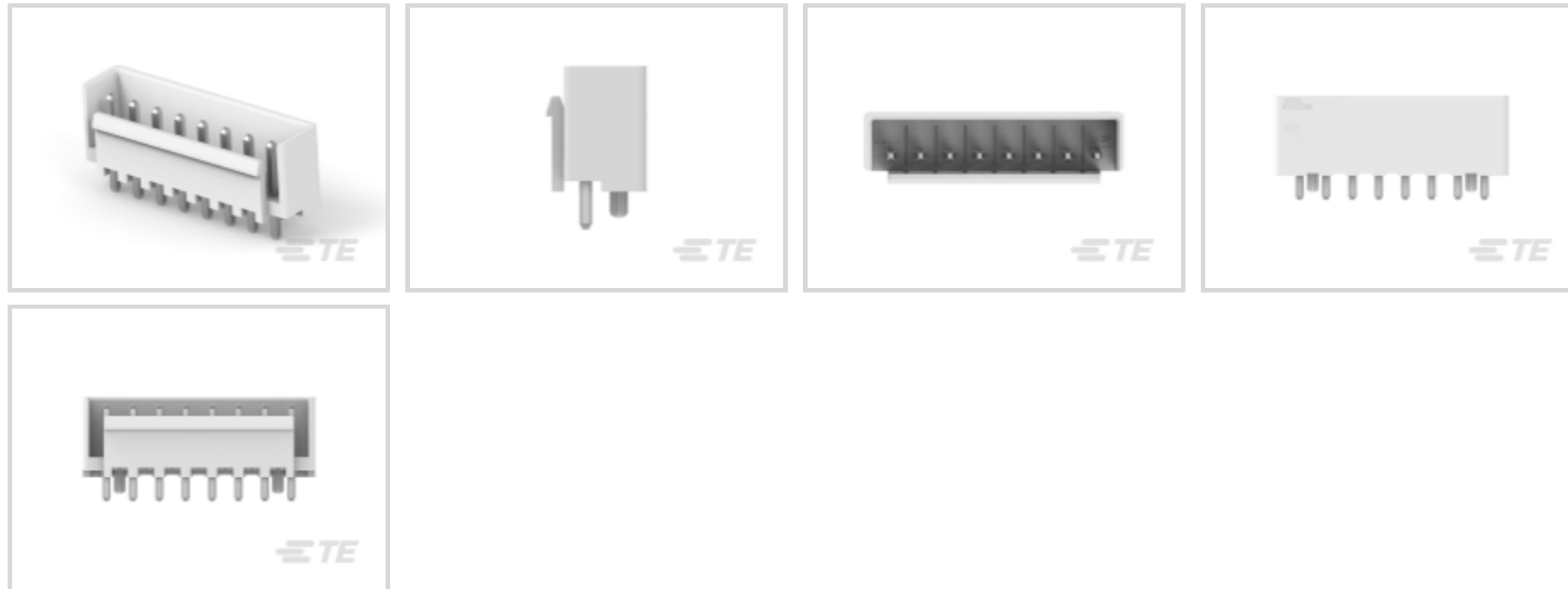
TE Internal #: 1744357-8

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, 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: **8**

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

### Features

#### Product Type Features

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

#### Configuration Features

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

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Body Features



Primary Product Color	Natural
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### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 $\mu\text{m}$ [31.5 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Mating Area Length	7.78 mm[.306 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions



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

**Usage Conditions**

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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**Operation/Application**

Circuit Application	Power
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**Industry Standards**

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

**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: 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	Not reviewed 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 # 1-1744427-8  
EP HEADER ASY,SHROUDED,8 POS, GW,NO PIN7



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



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



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



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



TE Part # 2132781-8  
08P EP-II HOUSING, NATURAL



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



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



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



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



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



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



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



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

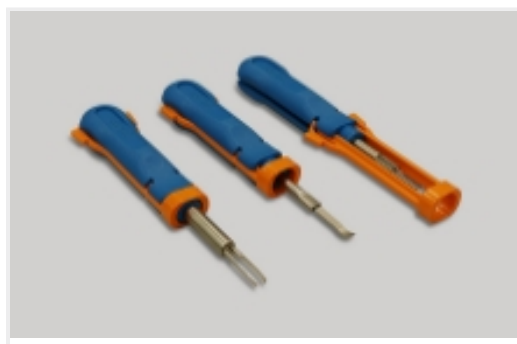
Also in the Series | **Economy Power**



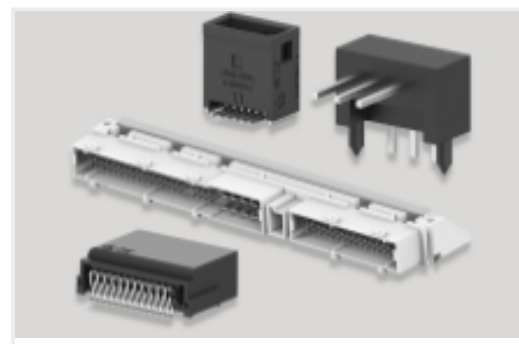
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



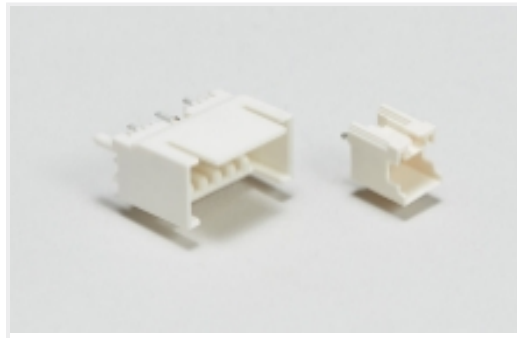
PCB Headers & Receptacles(483)



Power Contacts(9)



Rectangular Power Connectors(581)



Wire-to-Board Headers & Receptacles (483)

## Customers Also Bought



TE Part #6-641968-1  
4P UMNL PIN HDR ASS POL VO BLU



TE Part #643430-1  
15P UMNL HDR ASSY POL 94VO



TE Part #3-644615-6  
06P MTA156 POL HDR ASSY LF



TE Part #3-644615-9  
09P MTA156 POL HDR ASSY LF



TE Part #3-644661-8  
08P MTA156 HDR ASSY POL W/O#2



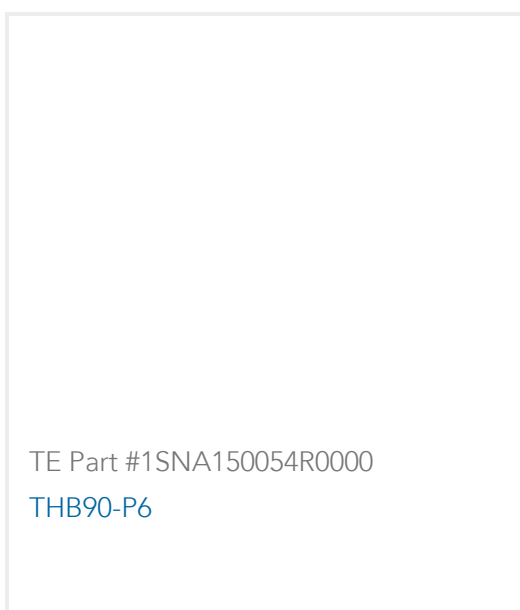
TE Part #1-1419108-9  
RT444012F



TE Part #4-1676953-4  
3639D 150UH 30%



TE Part #2-1744057-7  
3.96 EP HDR ASSY 7P W/PEGS, BLUE



TE Part #1SNA150054R0000  
THB90-P6



TE Part #1744397-5  
05P MTA156 HDR ASSY POL W/O#1

## Documents



### Product Drawings

#### 3.96 EP SHROUDED HDR ASSY 8P W

English

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### 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.

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### UL Report

English