

1-1744524-0 ✓ ACTIVE



Economy Power

TE Internal #: 1-1744524-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Dimensions

Connector Width	8.6 mm[.339 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.4 mm[.37 in]
Connector Length	39.6 mm[1.55 in]

Other

Position Locations Omitted	8
Number of Blocked Positions	1
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features

Packaging Quantity	500
Packaging Method	Bag



Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Usage Conditions

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

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	3 µm[118.11 µin]
PCB Contact Termination Area Plating Material Thickness	3 µm[118.11 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.7 mm[.303 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte



Contact Mating Area Plating Material	Tin
--------------------------------------	-----

Contact Type	Tab
--------------	-----

Contact Current Rating (Max)	8 A
------------------------------	-----

Housing Features

Housing Material	Nylon
------------------	-------

Centerline (Pitch)	3.96 mm [.156 in]
--------------------	-------------------

Configuration Features

Number of Loaded Positions	9
----------------------------	---

Number of Power Positions	10
---------------------------	----

PCB Mount Orientation	Vertical
-----------------------	----------

Number of Positions	10
---------------------	----

Number of Rows	1
----------------	---

Product Type Features

Connector Shape	Rectangular
-----------------	-------------

PCB Connector Assembly Type	PCB Mount Header
-----------------------------	------------------

Connector System	Wire-to-Board
------------------	---------------

Header Type	Partially Shrouded
-------------	--------------------

Sealable	No
----------	----

Connector & Contact Terminates To	Printed Circuit Board
-----------------------------------	-----------------------

Body Features

Primary Product Color	Natural
-----------------------	---------

Operation/Application

Circuit Application	Power
---------------------	-------

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 2024 (241) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
--	--



Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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 # 1744524-5
EP 05P HEADER ASY NO 2,4 PINS



TE Part # 4-1744057-3
3.96 EP HDR ASSY 3P W/PEGS,YEL



TE Part # 1-1744524-2
EP 12P HEADER ASY NO 2,6 PINS



TE Part # 1-1744524-1
EP 11P HEADER ASY NO 6,10 PINS



TE Part # 1744429-9
3.96 EP HDR ASSY 9P W/PEGS, GW



TE Part # 1-1744429-0
3.96 EP HDR ASSY 10P W/PEGS, GW



TE Part # 1-1744036-0
10P ECONOMY POWER .200 CL HSG



TE Part # 1-1744498-0
10P EP-II HOUSING, BLACK



TE Part # 1744110-2
EP HDR ASSY 10P, NO #2 PIN



TE Part # 1744429-2
3.96 EP HDR ASSY 2P W/PEGS, GW



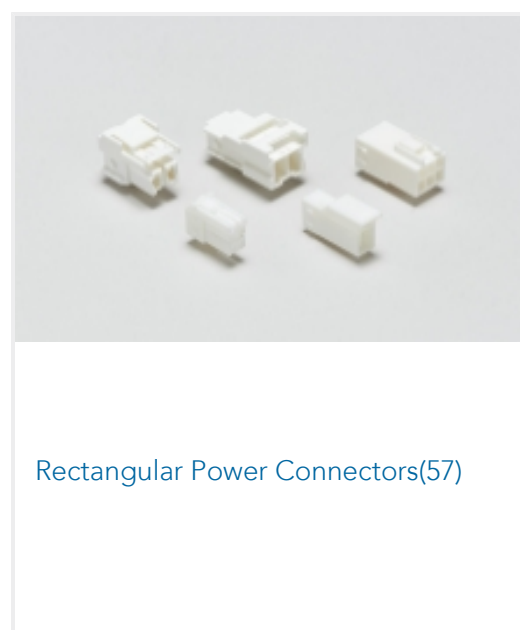
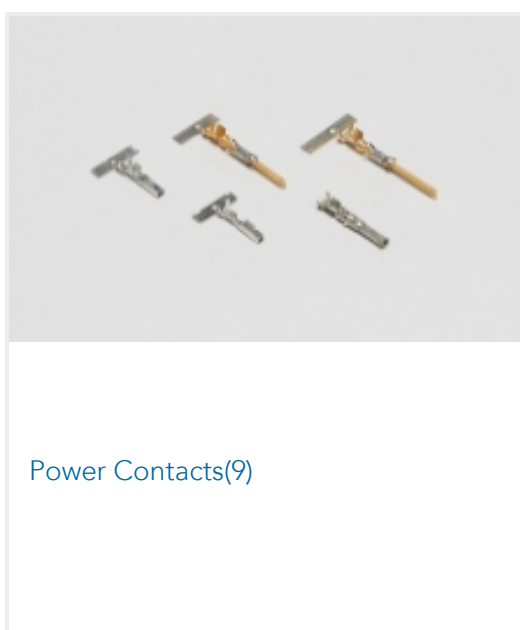
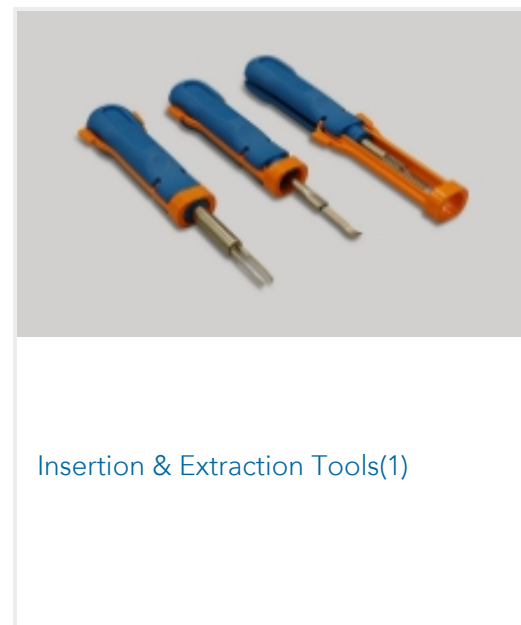
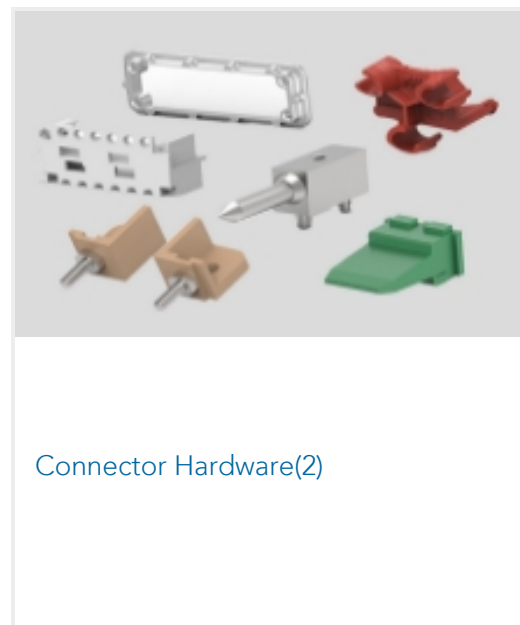
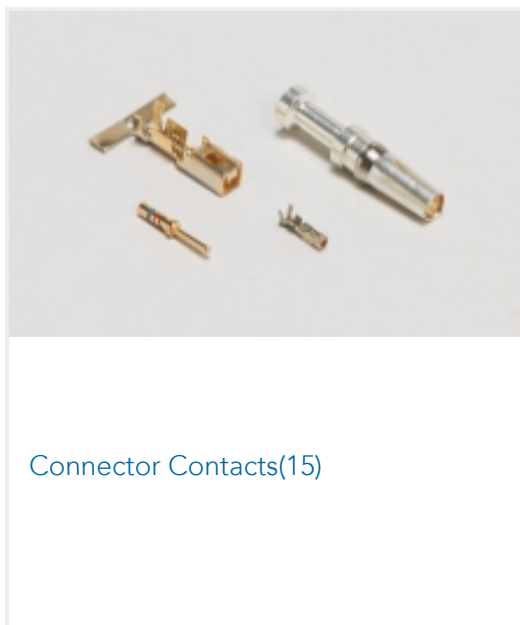
TE Part # 1744429-7
3.96 EP HDR ASSY 7P W/PEGS, GW



TE Part # 1744291-1
EP HDR ASSY 5P W/PEG,NAT,W/0#3

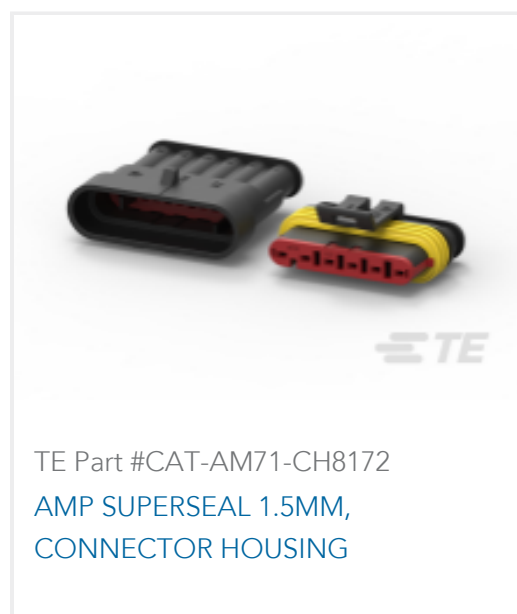


Also in the Series | Economy Power



Customers Also Bought





Documents

Product Drawings

EP 10P HEADER ASY NO 8 PIN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744524-0_D.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

VDE Certificate

English