

7-1123724-5 ✓ ACTIVE

Economy Power

TE Internal #: 7-1123724-5

PCB Mount Header, Vertical, Wire-to-Board, 9 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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Position Locations Omitted	2, 4, 6, 8
Number of Blocked Positions	4

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

Configuration Features

Number of Loaded Positions	5
Number of Power Positions	9



PCB Mount Orientation	Vertical
Number of Positions	9
Number of Rows	1

Electrical Characteristics

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

Body Features

Connector Profile	Low
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 μm [31.5 – 70.86 μin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	1 μm [39.37 μin]
PCB Contact Termination Area Plating Material Thickness	1 μm [39.37 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	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without



Connector Mounting Type	Board Mount
-------------------------	-------------

Mating Alignment	With
------------------	------

Housing Features

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

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

Dimensions

Connector Width	8.5 mm [.334 in]
-----------------	------------------

PCB Thickness (Recommended)	1.6 mm [.063 in]
-----------------------------	------------------

Connector Height	9.2 mm [.36 in]
------------------	-----------------

Connector Length	35.58 mm [1.4 in]
------------------	-------------------

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
-----------------------------	-----------------

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

Operation/Application

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

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
------------------	---------------------------

UL Flammability Rating	UL 94V-2
------------------------	----------

Packaging Features

Packaging Quantity	700
--------------------	-----

Packaging Method	Bag
------------------	-----

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUNE 2024 (241) 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 # 1-1123724-5
3.96EP HDR ASSY 5(9)P NATURAL



TE Part # 1744416-9
9 POS EP II HSG, GLOW WIRE



TE Part # 7-1123724-3
3.96EP HDR ASSY 3(5)P (NATURAL GWT)



TE Part # 7-1123724-6
7.92EP HDR ASSY 6(11)P NATURAL GWT



TE Part # 1-1123724-6
7.92EP HDR ASSY 6P NATURAL



TE Part # 1-2316952-9
3.96 EP HDR ASSY 9P, NO PIN 2,4,5



TE Part # 2316952-9
3.96 EP HDR ASSY 9P, NO PIN 5



TE Part # 3-1123723-9
3.96 EP HDR ASSY 9P(BLUE)



TE Part # 7-1123724-1
3.96EP HDR ASSY 4(7)P (NATURAL GWT)

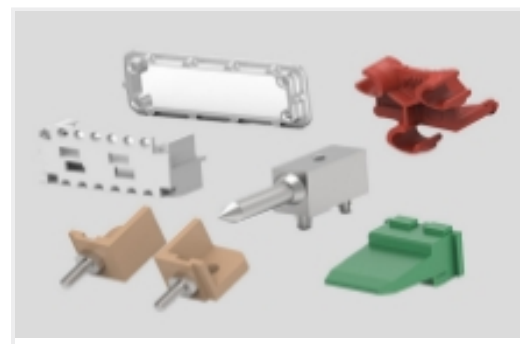


TE Part # 7-1123724-2
03P EP HDR HSG V0 GWT NO 02P

Also in the Series | **Economy Power**



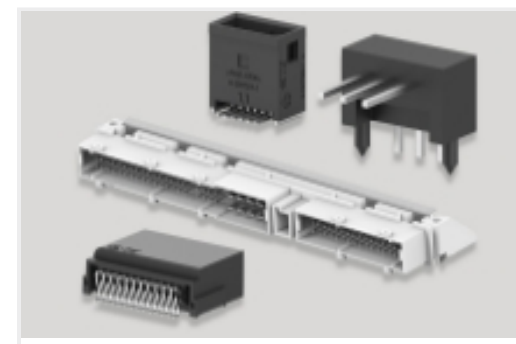
Connector Contacts(15)



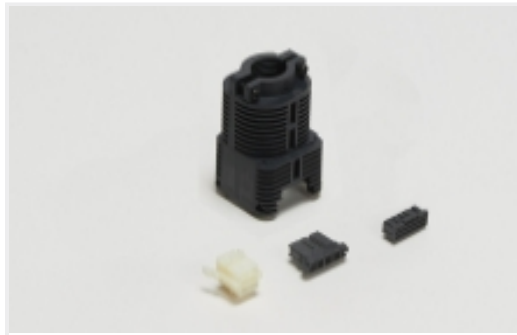
Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(402)



Rectangular Connector Housings(1)



Rectangular Power Connectors(57)



Wire-to-Board Connector Assemblies & Housings(141)

Customers Also Bought



TE Part #917790-2
2.5 SDL POST HDR ASSY 12P RED

Documents

Product Drawings

3.96EP HDR ASSY 5(9)P NATURAL, GWT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_7-1123724-5_AD.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1123724-5_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1123724-5_AD.3d_stp.zip](#)

English

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



Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English