1969730-9 ✔ ACTIVE

Economy Power 2.5

TE Internal #: 1969730-9

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Economy Power 2.5

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: **9**

Centerline (Pitch): **2.5 mm [.098 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

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

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel

Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	PBT GF

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	22 mm[.86 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag, Box

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 1969730-2
EP2.5 SHROUDED HDR ASSY 2P VERTICAL



TE Part # 1969730-5
EP2.5 SHROUDED HDR ASSY 5P VERTICAL



TE Part # 1969730-4
EP2.5 SHROUDED HDR ASSY 4P VERTICAL

TE Part # 2428310-9
EP 2.5 plug Housing, 9 Pos, LIF



TE Part # 1969442-9
EP 2.5 TPA Housing, 9 Pos



TE Part # 1969730-7
EP2.5 SHROUDED HDR ASSY 7P VERTICAL



TE Part # 1969730-3
EP2.5 SHROUDED HDR ASSY 3P VERTICAL



TE Part # 1-1969730-4
EP2.5 SHROUDED HDR ASSY 14P VERTICAL



TE Part # 2132230-9
EP2.5 Shrouded HDR ASSY 9P VER



TE Part # 1969730-6
EP2.5 SHROUDED HDR ASSY 6P VERTICAL

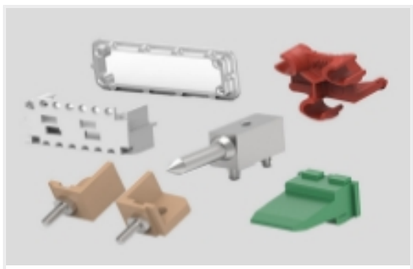


TE Part # 1-1969730-1
EP2.5 SHROUDED HDR ASSY 11P VERTICAL

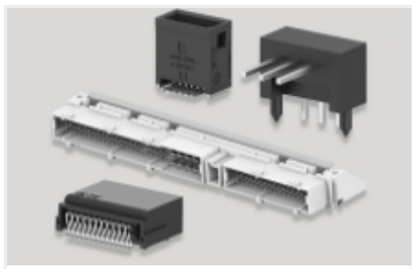
Also in the Series | Economy Power 2.5



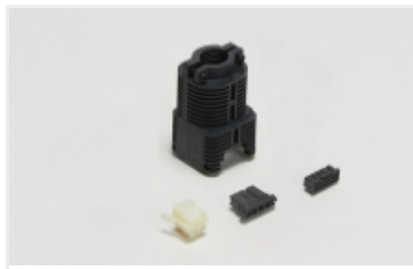
Connector Contacts(6)



Connector Hardware(49)



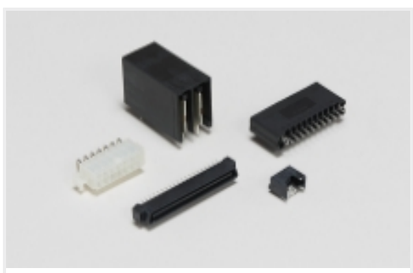
PCB Headers & Receptacles(533)



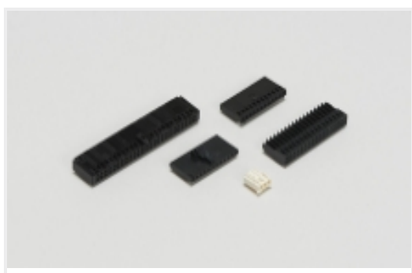
Rectangular Connector Housings(305)



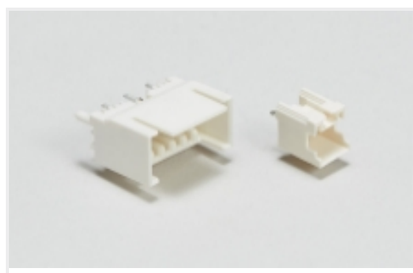
Rectangular Power Connectors(835)



Standard Rectangular Connectors(305)



Wire-to-Board Connector Assemblies & Housings(134)



Wire-to-Board Headers & Receptacles (533)

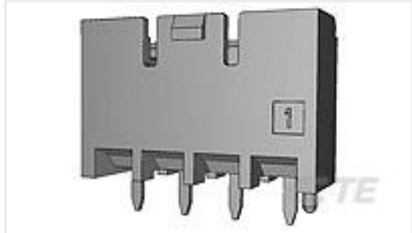
Customers Also Bought



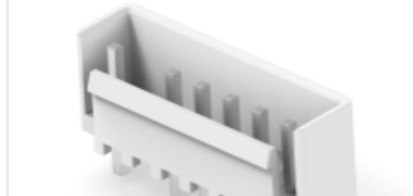
TE Part #1-647401-2
12P SL156 HSG W/RAMP,LRG OPEN



TE Part #794745-1
15P UMNL CAP HSG BLACK



TE Part #1376383-1
5mm B-T-W Conn. 3P HDR ASSEMBL



TE Part #1-1877285-7
07P EP SHRD HDR ASMY, WHITE,NO PIN 6



TE Part #1969730-2
EP2.5 SHROUDED HDR ASSY 2P VERTICAL



TE Part #1969730-6
EP2.5 SHROUDED HDR ASSY 6P VERTICAL



TE Part #1969730-8
EP2.5 SHROUDED HDR ASSY 8P VERTICAL



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



TE Part #2322950-4
4P, RAST 5 TAB HEADER SELEC, THV, OPP



TE Part #2322950-6
6P, RAST 5 TAB HEADER SELEC, THV, OPP

Documents

Product Drawings

EP2.5 SHROUDED HDR ASSY 9P VERTICAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969730-9_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969730-9_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969730-9_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English