2-1969730-0 ✔ ACTIVE

Economy Power 2.5

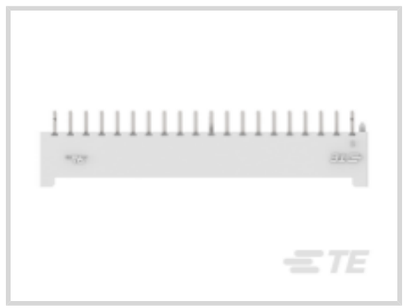
TE Internal #: 2-1969730-0

PCB Mount Header, Vertical, Wire-to-Board, 20 Position, 2.5 mm [. 098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power 2.5

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

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

Number of Positions: **20**

Number of Rows: **1**

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

Features

Product Type Features

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

Configuration Features

Number of Power Positions	20
Number of Columns	20
Number of Loaded Positions	20
Number of Positions	20
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
PCB Mount Retention Type	Kinked Legs
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	52.5 mm[2.06 in]
Connector Height	8.8 mm[.346 in]
Connector Width	6.4 mm[.25 in]

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

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	UL
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: JUNE 2024 (241) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



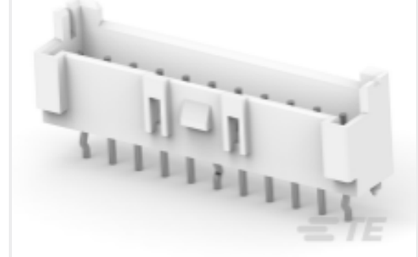
TE Part # 1-1969730-7
EP2.5 SHROUDED HDR ASSY 17P VERTICAL



TE Part # 1-2132230-6
EP2.5 Shrouded HDR ASSY 16P VE



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



TE Part # 1-2132230-1
EP2.5 Shrouded HDR ASSY 11P VE



TE Part # 1-1969730-0
EP2.5 SHROUDED HDR ASSY 10P VERTICAL



TE Part # 1-1969730-3
EP2.5 SHROUDED HDR ASSY 13P VERTICAL



TE Part # 1-1969730-5
EP2.5 SHROUDED HDR ASSY 15P VERTICAL



TE Part # 1-1969730-6
EP2.5 SHROUDED HDR ASSY 16P VERTICAL



TE Part # 1-1969730-8
EP2.5 SHROUDED HDR ASSY 18P VERTICAL



TE Part # 1-1969730-9
EP2.5 SHROUDED HDR ASSY 19P VERTICAL

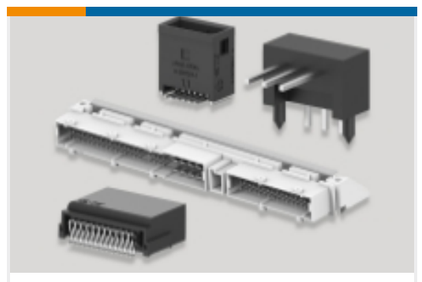
Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(49)



PCB Headers & Receptacles(537)



Wire-to-Board Connector Assemblies & Housings(305)

Customers Also Bought



TE Part #ZPF000000000136485
RECEPTACLE MALE FOR 12 PINS, CAL1,6

TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4



TE Part #1-1415543-5
RTE44110



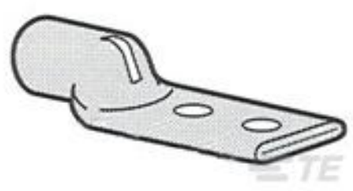
TE Part #ASA158F12390235000
623 PLUG



TE Part #ZPF000000000205373
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2



TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16



TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20, 120MM2 - FXP



TE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP

Documents

Product Drawings

EP2.5 SHROUDED HDR ASSY 20P VERTICAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1969730-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1969730-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1969730-0_A.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

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SMW73R0JT 2-292161-3 2005330-1 2377783-2 3-1393225-0 936348-1 ROX05SJ18R U5254-000005-030PA SBCHE64R7K 2834055-1 3430B2F51RTDF MPT100C18RF 1-962915-1 1743455-2 1393431-1 141991-2 1903112-2 CPF0402B37K4E1 CRGCQ2010J3K3 SBCHE154R7K 175977-2 1969656-1 3631B101LL RH73H2A40MKTN 1-794222-0 2380312-2 917696-1 2310537-1 TE50BR39J 650075-000