

2299683-6 ✓ ACTIVE

Economy Power 2.5

TE Internal #: 2299683-6

PCB Mount Header, Vertical, Wire-to-Board, 6 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



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

Number of Positions: **6**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	6
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 Mating Area Length	3.6 mm[.142 in]
PCB Contact Termination Area Plating Material Thickness	2.032 μm [80 μin]
Mating Pin Diameter	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 μm [50 μin]
Contact Mating Area Plating Material Thickness	2.03 μm [80 μin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
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

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions



Connector Length	17.5 mm[.69 in]
Connector Height	8.8 mm[.346 in]
Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

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

Packaging Features

Packaging Quantity	450
Packaging Type	Tape

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 2022 (224) Candidate List Declared Against: JAN 2019 (197) 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 # 1969442-6
EP 2.5 TPA Housing, 6 Pos



TE Part # 1744417-6
6 POS EP 2.5 HSG, GLOW WIRE



TE Part # 2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG



TE Part # 1744423-1
EP 2.5 RCPT CONTACT, 24-20 AWG

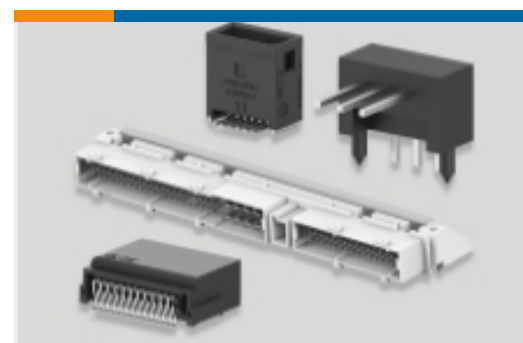


TE Part # 2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG

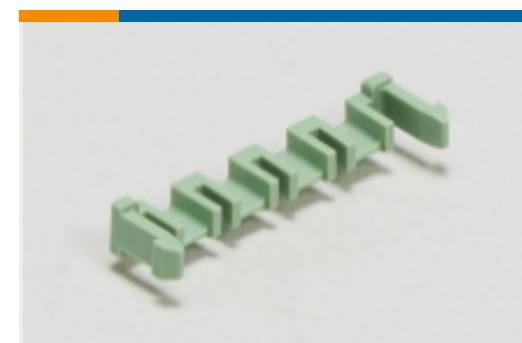
Also in the Series | Economy Power 2.5



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(408)



PCB Latches, Locks & Retainers(49)



Rectangular Power Connectors(43)



Wire-to-Board Connector Assemblies & Housings(311)



Wire-to-Board Connector Contacts(6)

Documents

Product Drawings

[EP2.5 HDR 6P VERT W/O BOSS,TAPING](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2299683-6_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2299683-6_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2299683-6_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