647676-5 ✔ ACTIVE

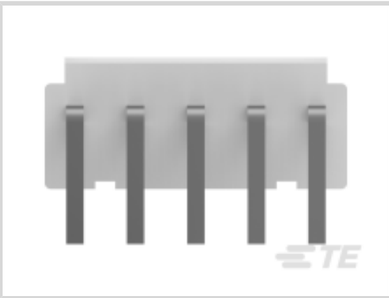
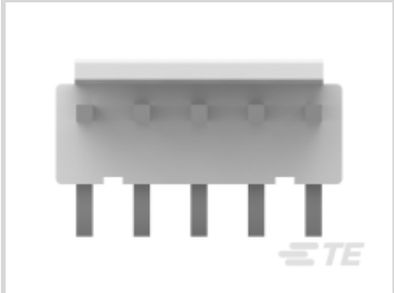
Economy Power

TE Internal #: 647676-5

Economy Power, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96mm [.156in] Centerline, Printed Circuit Board, UL 94V-0

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **5**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Header Type	Unshrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	5
PCB Mount Orientation	Right Angle, Vertical
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Connector Profile	Low

Contact Features

Contact Layout	Inline
Contact Base Material	Brass
Contact Current Rating (Max)	7.5 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]

Termination Features

Termination Post & Tail Length	5.34 mm[.21 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	White
Housing Material	Nylon 66

Dimensions

Mating Post Length	8.6 mm[.33 in]
Height	9.4 mm[.37 in]
Length	19.8 mm[.78 in]
Width	15.37 mm[.605 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

For Use With	Plug Housing

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: JAN 2021 (211) 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 # 1744416-5
5 POS EP II HSG, GLOW WIRE

TE Part # 1744495-5
05P EP-II HOUSING, GREEN

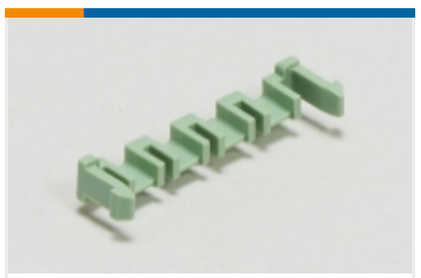
TE Part # 1744544-5
EP II TPA 05P, BLACK

TE Part # 1-1123722-5
3.96 EP PLUG HSG 5P(NATURAL)

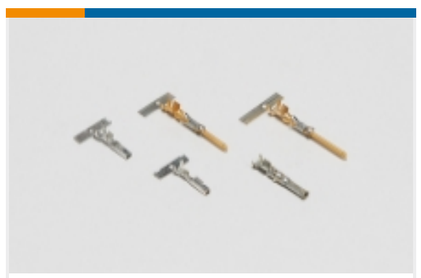
Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)



PCB Latches, Locks & Retainers(2)



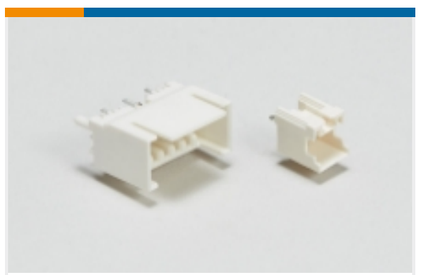
Power Contacts(5)

Rectangular Connector Housings(1)

Rectangular Power Connectors(260)

Wire-to-Board Connector Assemblies & Housings(41)

Wire-to-Board Connector Contacts(6)



Wire-to-Board Headers & Receptacles (162)

Customers Also Bought

TE Part #T4145035051-001
M12 Panel Mount PCB

TE Part #1676451-2
RN 0805 86R6 0.1% 10PPM 1KRL

TE Part #1-826652-0
10P AMPMODU II STIFT LEI

TE Part #1473006-1
DDR2 SO DIMM Sockets

TE Part #1-968977-9
AMP MCP, UNSEALED CONNECTOR HOUSING

TE Part #1-965641-1
TIMER, CONNECTOR HOUSING

TE Part #1-962842-1
TIMER, RECEPTACLE AND TAB

TE Part #1761012-3
SFP 1X4 LIGHT PIPE ASSY

Documents

Product Drawings

3.96 EP HDR ASSY 5P R/A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_647676-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_647676-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_647676-5_B.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

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Application Specification

English

Application Specification

Japanese

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

VDE Certificate

English