1744428-7 ✔ ACTIVE

Economy Power

TE Internal #: 1744428-7

PCB Mount Header, Right Angle, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **7**

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

Features

Product Type Features

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

Configuration Features

Number of Loaded Positions	7
PCB Mount Orientation	Right Angle
Number of Positions	7
Number of Rows	1
Number of Power Positions	7

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Size	1.14mm
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Layout	Inline
Contact Mating Area Length	8.6 mm[.339 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Type	Tab
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.6 mm[.141 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
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

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

Dimensions

Connector Width	9.4 mm[.37 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Connector Height	8.21 mm[.323 in]
Connector Length	27.72 mm[1.09 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

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
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	有害物质含量符合标准要求 No Restricted Substance(s) 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	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 # 1744416-7
7 POS EP II HSG, GLOW WIRE

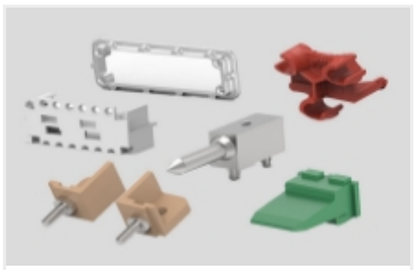


TE Part # 1744544-7
EP II TPA 07P, BLACK

Also in the Series | Economy Power



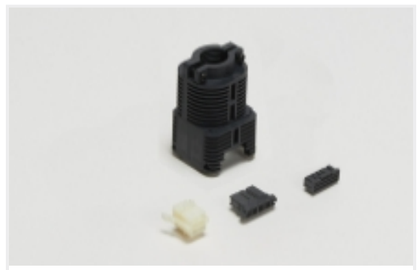
Connector Contacts(15)



Connector Hardware(2)



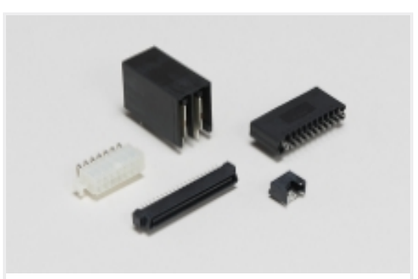
Power Contacts(9)



Rectangular Connector Housings(118)



Rectangular Power Connectors(581)



Standard Rectangular Connectors(118)

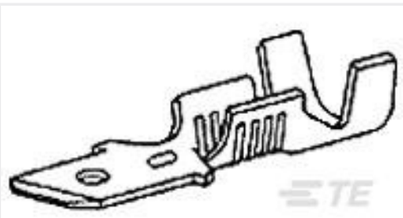


Wire-to-Board Connector Assemblies & Housings(118)

Customers Also Bought



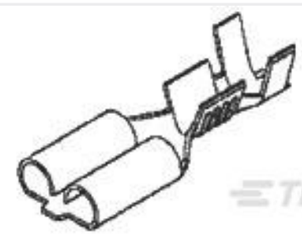
TE Part #41450
250 FASTON REC 14-10 AWG TPBR



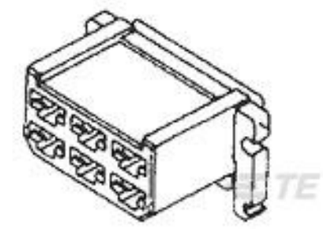
TE Part #42490-3
187 FASTON TAB 22-18 AWG TPBR



TE Part #42617-2
187 FASTON REC 20-16 AWG TPBR



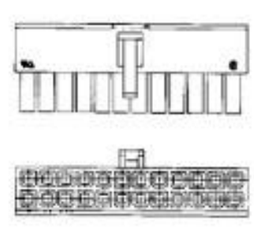
TE Part #170258-1
FF 250 REC 14-12AWG BR REREELING



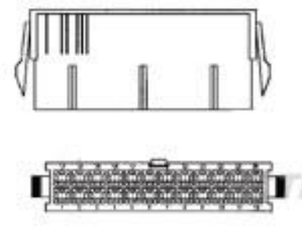
TE Part #180904
FF 250 REC HSG 6P NYLON NAT



TE Part #640251-5
05P SL156 HSG W/O LCK RAMP



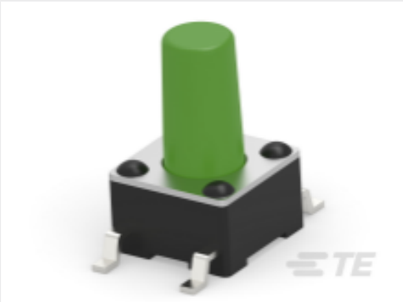
TE Part #1586765-6
6P RCPT VAL-U-LOK GW



TE Part #1586861-6
6P PM PLUG VAL-U-LOK PM GW



TE Part #6609987-3
15SRB1-S=F8219B



TE Part #2-1977223-4
FSM8JSMASTR=6MM TACT SWITCH, SMT 160gf,

Documents

Product Drawings

3.96 EP HDR ASSY 7P R/A, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744428-7_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744428-7_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744428-7_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

VDE Certificate

English