1744057-8 ✔ ACTIVE

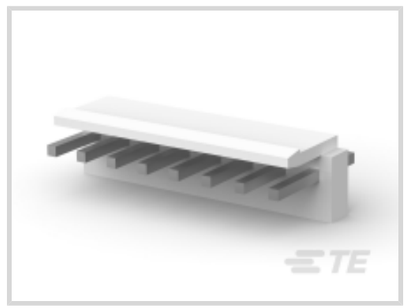
Economy Power

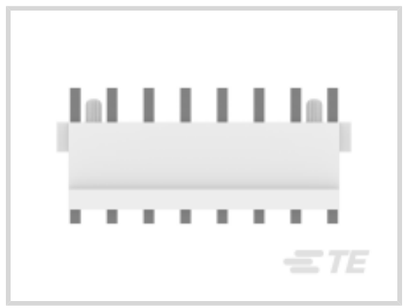
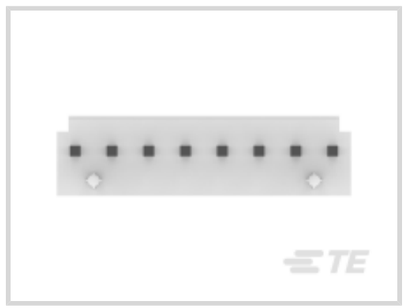
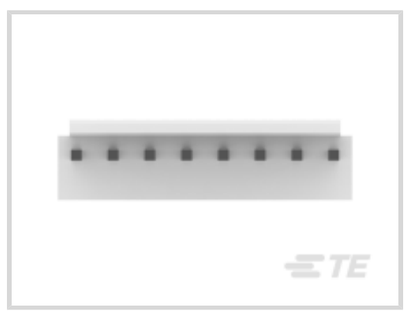
TE Internal #: 1744057-8

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power

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: **8**

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

Features

Product Type Features

Header Type	Partially Shrouded
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	8
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Mating Post Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	.8 µm, 2 µm[31.49 µin][80 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3 µm[118.11 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarizing Tab
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	10.9 mm[.429 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	8.2 mm[.323 in]
Product Length	31.62 mm[1.245 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 Quantity	500
Packaging Method	Bag

Product Compliance

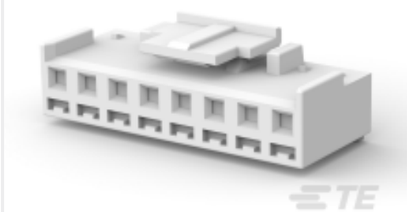
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

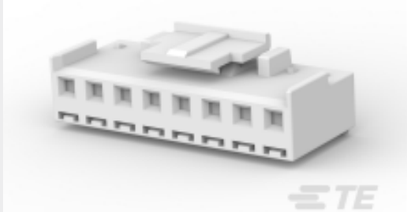
Product Compliance Disclaimer

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

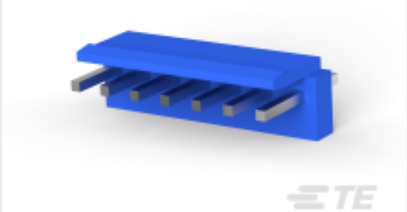
Compatible Parts



TE Part # 2132781-8
08P EP-II HOUSING, NATURAL



TE Part # 1744416-8
8 POS EP II HSG, GLOW WIRE



TE Part # 2-1744057-7
3.96 EP HDR ASSY 7P W/PEGS, BLUE



TE Part # 1744544-8
EP II TPA 08P, BLACK



TE Part # 1744497-8
08P EP-II HOUSING, GREY

Also in the Series | Economy Power



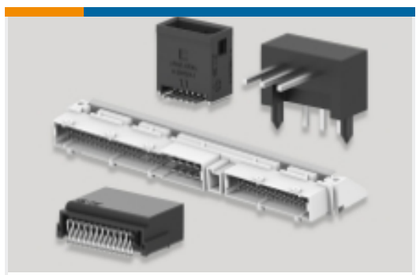
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



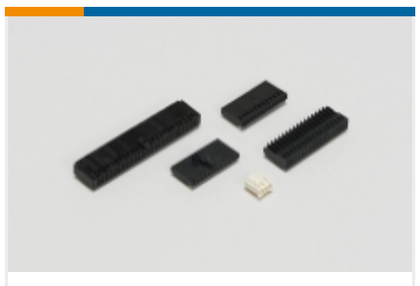
PCB Headers & Receptacles(162)



Rectangular Connector Housings(1)



Rectangular Power Connectors(301)



Wire-to-Board Connector Assemblies & Housings(142)

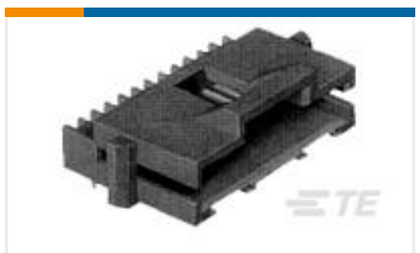
Customers Also Bought



TE Part # 1462042-8
IMC03GR=IM RELAY 140mW 5V 1CO



TE Part # 5-1879233-7
SMW5 22R 5%



TE Part # 5-104074-4
20 SYSTEM 50 HDR SRRA SHRD SN



TE Part # 1877285-9
09P EP SHRD HDR ASMY, WHITE



TE Part # 1744057-3
3.96 EP HDR ASSY 3P W/PEGS



TE Part # 1546307-4
4P .374" DR BARRIER,W/WASHER



TE Part # 9-146280-0
40 MODII HDR SRST B/A .100CL



TE Part # 7-2151113-7
OCEAN_2.0_SPARE_PART_KIT-070F102F



TE Part # 1744427-9
EP Header Asy,Shrouded,9 Pos, GW



TE Part # 1-1744427-1
EP Header Asy,Shrouded,11 Pos, GW

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1744057-8_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744057-8_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744057-8_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications

Application Specification

English