1744105-2 ✔ ACTIVE

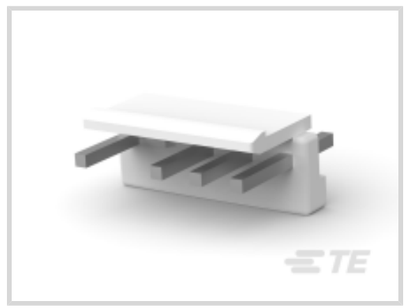
Economy Power

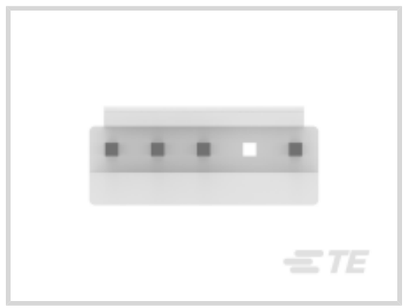
TE Internal #: 1744105-2

Economy Power, Rectangular Power Connectors, Header, Cap, 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: **Cap**

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	Cap
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Layout	Inline
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	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Termination Area Plating Thickness	1 µm[39.36 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	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	Natural
Housing Material	PBT GF

Dimensions

Mating Post Length	7.7 mm[.303 in]
Length	19.74 mm[.77 in]
Width	8.5 mm[.334 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

Other

For Use With	Receptacle Housing

Product Compliance

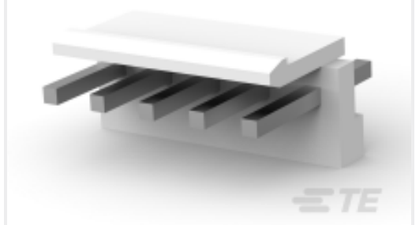
For compliance documentation, visit the product page on TE.com>

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	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



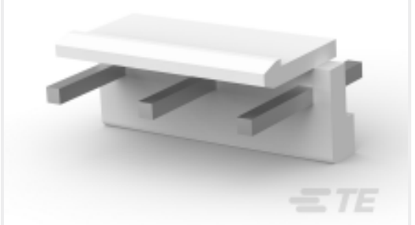
TE Part # 1-1123723-5
3.96 EP HDR ASSY 5P(NATURAL)



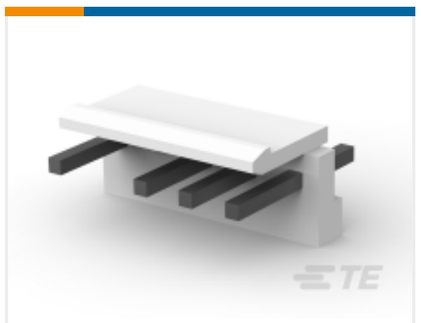
TE Part # 1744416-5
5 POS EP II HSG, GLOW WIRE



TE Part # 2-1565036-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)



TE Part # 1-1123724-3
3.96EP HDR ASSY 3(5)P NATURAL



TE Part # 1-1717011-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)



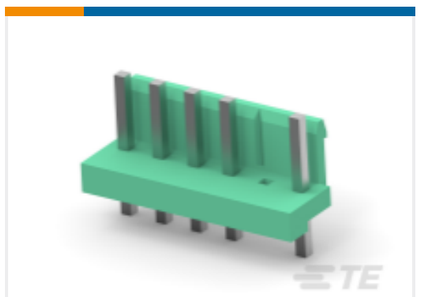
TE Part # 1744427-5
EP Header Asy,Shrouded,5 Pos, GW



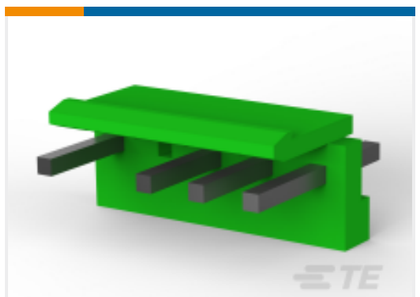
TE Part # 2-1717011-5
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 5-1717011-4
EP CONN.HDR ASSY 4/5POS-W/O NO.2



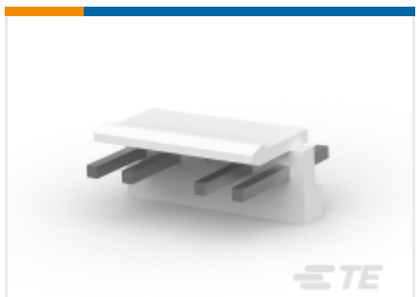
TE Part # 5-1717011-5
EP CONN.HDR ASSY 5/6POS-W/O NO.5



TE Part # 6-1717011-4
EP CONN.HDR ASSY 4/5POS-W/O NO.2



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



TE Part # 2-1717011-4
EP CONN.HDR ASSY 4/5P NATURAL (NO.3 POST



TE Part # 7-1123723-1
3.96 EP HDR ASSY 11P(NATURAL GWT)

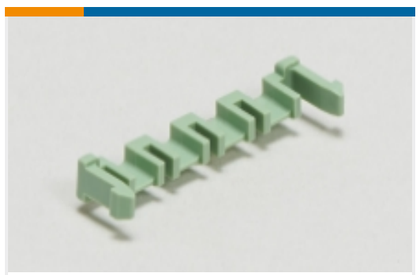
Also in the Series | Economy Power



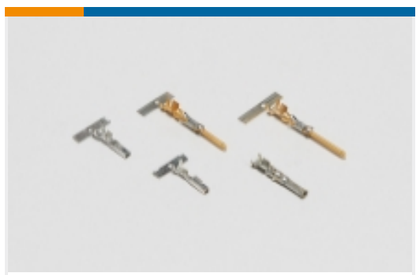
Connector Contacts(1)



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 #104966-1
16 MTE HDR SRST LATCH .100CL



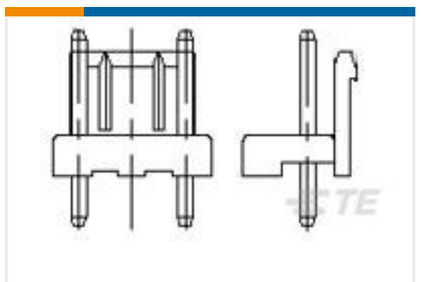
TE Part #172653-4
STANDARD DRAWER PLUG HOUSINGS



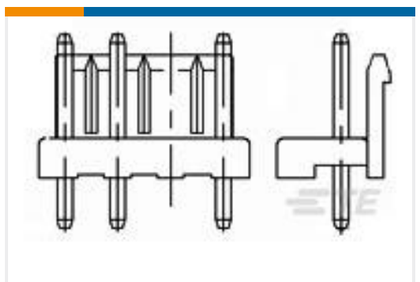
TE Part #DT06-4S-CE15
DEUTSCH DT Series Housings & Connectors



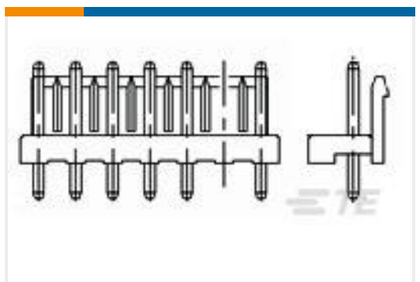
TE Part #147321-3
17 MTE VER HDR SR S.LOAD W/RET



TE Part #1744103-1
3.96 EPHDR ASSY 3P OMIT #2 PIN



TE Part #1744104-2
3.96 EPHDR ASSY 4P OMIT #2 PIN



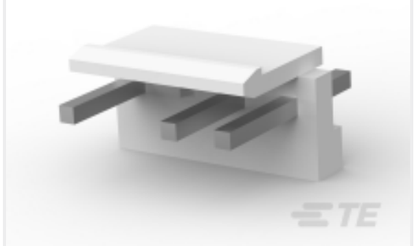
TE Part #1744107-2
3.96 EPHDR ASSY 7P OMIT #3 PIN



TE Part #1803325-3
CRIMPER, WIRE, F



TE Part #1803334-6
ANVIL,COMBINATION



TE Part #3-1473059-1
04P EP HDR ASSY NO2P GWT

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744105-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744105-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744105-2_C.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English