1-1744048-0 ✔ ACTIVE

Economy Power

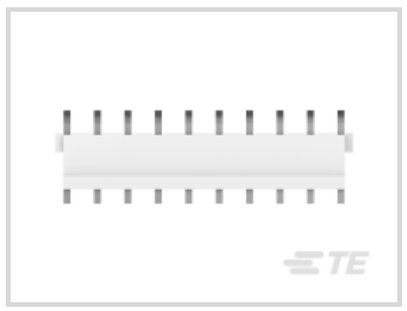
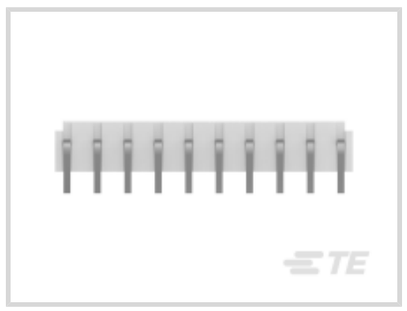
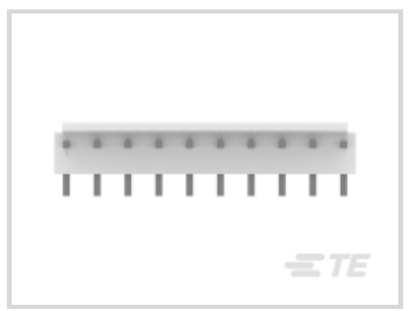
TE Internal #: 1-1744048-0

PCB Mount Header, Right Angle, Wire-to-Board, 10 Position, 5.08 mm [.2 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: **10**

Centerline (Pitch): **5.08 mm [.2 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	10
PCB Mount Orientation	Right Angle
Number of Positions	10
Number of Rows	1
Number of Power Positions	10

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 µm[30 µin]
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Shape & Form	Square
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]
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)	5.08 mm[.2 in]
Housing Material	Nylon 66

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	49.68 mm[1.95 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

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Product Compliance

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

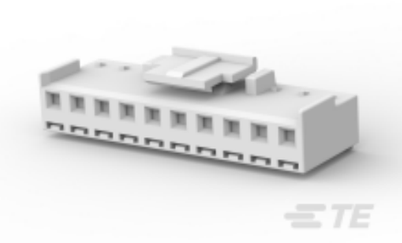
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

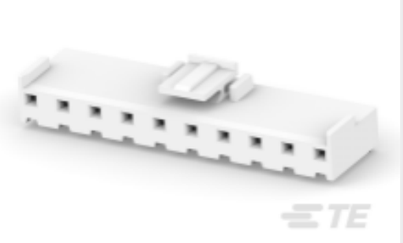
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

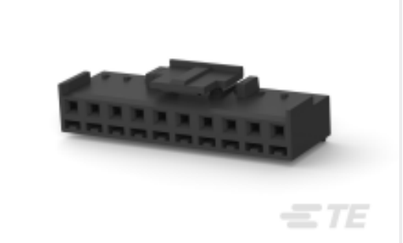
Compatible Parts



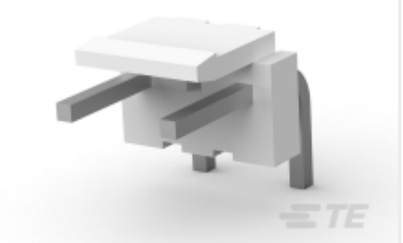
TE Part # 1-1744416-0
10 POS EP II HSG, GLOW WIRE



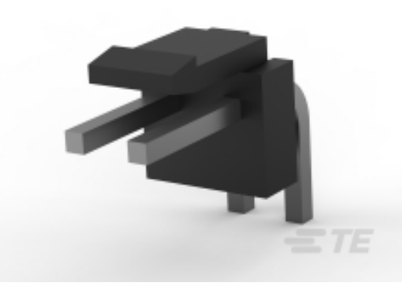
TE Part # 1-1744036-0
10P ECONOMY POWER .200 CL HSG



TE Part # 1-1744498-0
10P EP-II HOUSING, BLACK



TE Part # 1744337-1
EP HDR ASSY 3P R/A, OMIT 2

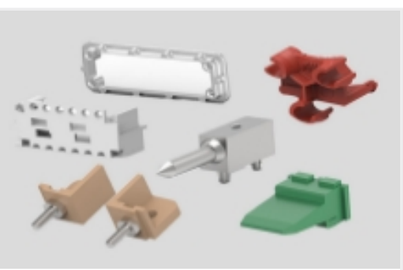


TE Part # 8-1744056-2
3.96 EP HDR ASSY 2P R/A HT,TAPE

Also in the Series | Economy Power



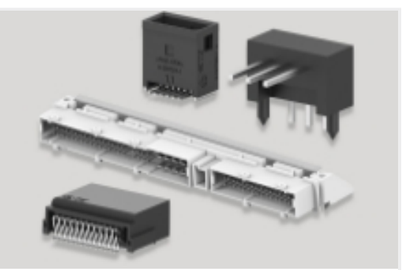
Connector Contacts(13)



Connector Hardware(2)



Insertion & Extraction Tools(1)



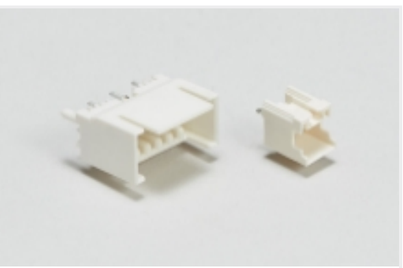
PCB Headers & Receptacles(463)



Power Contacts(7)



Rectangular Power Connectors(547)



Wire-to-Board Headers & Receptacles (463)

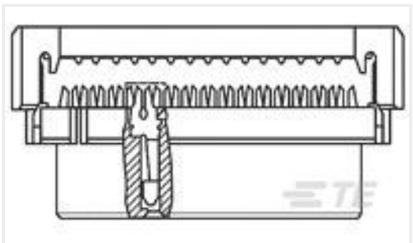
Customers Also Bought



TE Part #5677594005
RNF-3000-12/4-0-SP



TE Part #62336-1
110 FASTON FLAG REC 22-18 AWG TPBR



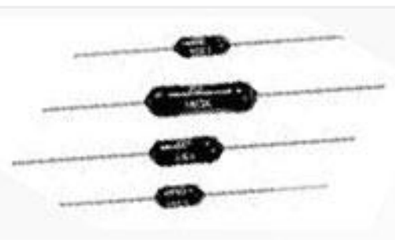
TE Part #1-111626-7
10, 2MM, 30 DP, LEAD FREE



TE Part #2-1415899-2
RZ03-1C4-D012



TE Part #5-1625999-0
HSC100 R10 5%



TE Part #1879657-1
H4 10R 0.1% 15PPM



TE Part #2176081-1
EP 1W (S) 10R 5%



TE Part #2-2176329-7
CRGP 1210 1K5 1%



TE Part #4-2176329-5
CRGP 1210 47K 1%

TE Part #293035-2
2 POS. FASTIN-FASTON CONN. TAB HOUSING R

Documents

Product Drawings

10P EC PWR.200 CL HDR ASSY RA

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-1744048-0_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-1744048-0_O.3d_igs.zip

English

Customer View Model

ENG_CVM_1-1744048-0_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

UL Report

English