8-1744056-2 ✔ ACTIVE

Economy Power

TE Internal #: 8-1744056-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

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Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **2**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	2
Number of Loaded Positions	2
Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	8.6 mm[.339 in]
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	3.04 µm[120 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Mating Area Plating Material Thickness	3.04 µm[120 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.6 mm[.141 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	7.92 mm[.312 in]

Connector Height	8.21 mm[.323 in]
Connector Width	9.4 mm[.37 in]
PCB Thickness (Recommended)	1.6 mm[.063 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	250
Packaging Method	Bag

Product Compliance

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

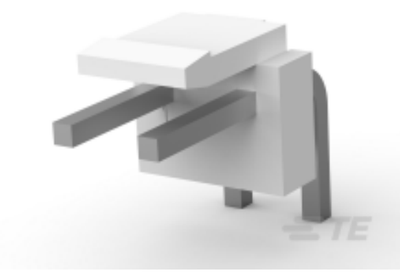
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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	Pin-in-Paste capable to 260°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

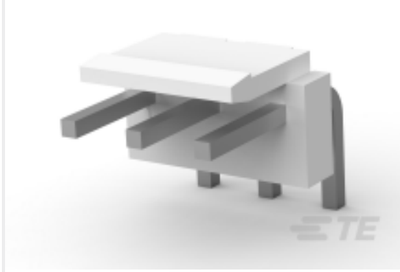
Compatible Parts



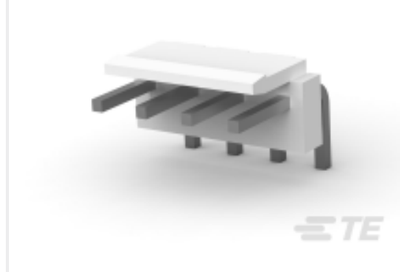
TE Part # 1744048-2
02P EC PWR.200 CL HDR ASSY RA



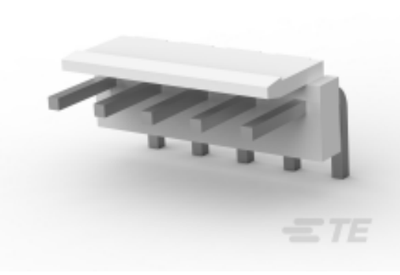
TE Part # 1744337-1
EP HDR ASSY 3P R/A, OMIT 2



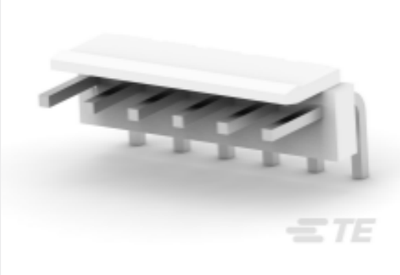
TE Part # 1744048-3
03P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-4
04P EC PWR.200 CL HDR ASSY RA



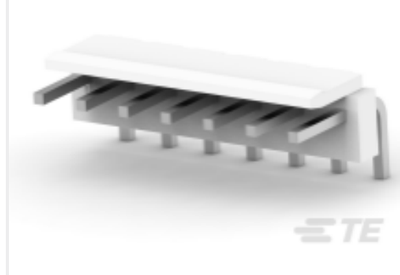
TE Part # 1744048-5
05P EC PWR.200 CL HDR ASSY RA



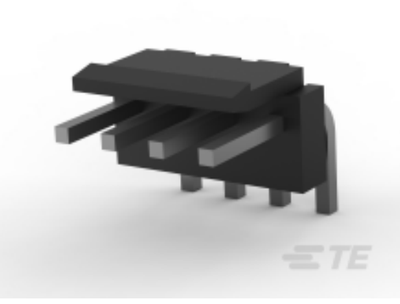
TE Part # 1744048-6
06P EC PWR.200 CL HDR ASSY RA



TE Part # 1-1744048-0
10P EC PWR.200 CL HDR ASSY RA



TE Part # 1744048-7
07P EC PWR.200 CL HDR ASSY RA



TE Part # 1744056-4
3.96 EP HDR ASSY 4P R/A HT

Also in the Series | Economy Power



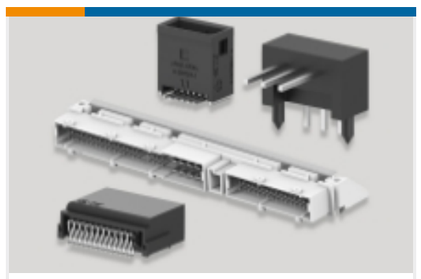
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)



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

Customers Also Bought



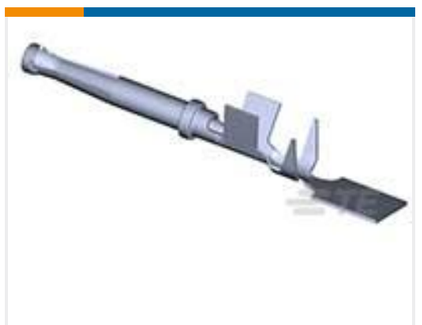
TE Part #DTM04-2P-EE03
REC, 2P, BLK, N, XCAP



TE Part #2132813-2
2 pos. EP II housing w/rtnr



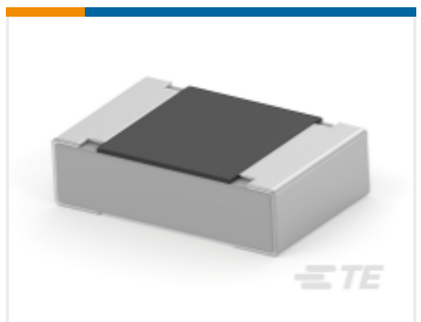
TE Part #2132781-6
06P EP-II HOUSING, NATURAL



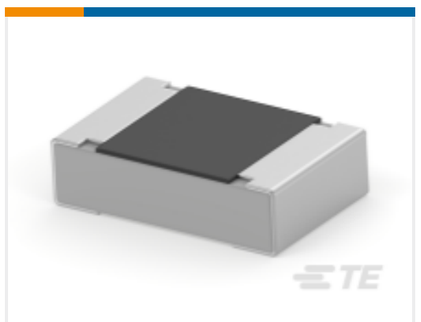
TE Part #1062-20-0377
SOC, SF, SIZE 20, 16-22, SLEVLESS, SN /SN



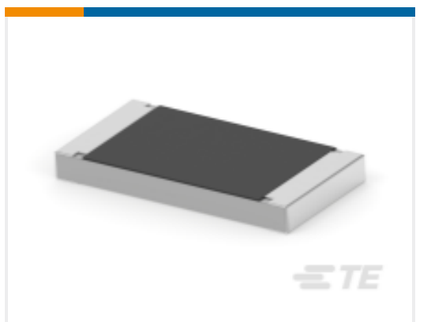
TE Part #2328702-6
6PIN 0.5MMP FPC CONNECTOR, BACK FLIP LOCK



TE Part #1-2176342-3
CRGCQ 0805 100R 5%



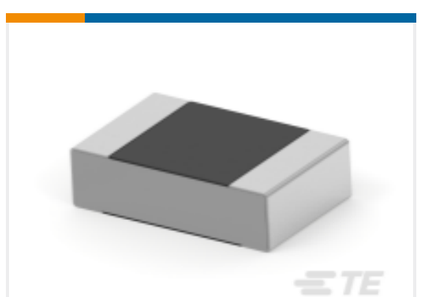
TE Part #1-2176342-9
CRGCQ 0805 1K0 5%



TE Part #1-2176350-2
CRGCQ 2512 68R 5%



TE Part #1-1445022-0
MICRO MNL RFECEPT HSG SINGLE R



TE Part #5-2176238-6
CPF A 0805 25K 0.1% 25PPM 5K RL

Documents

Product Drawings

3.96 EP HDR ASSY 2P R/A HT,TAPE

English

CAD Files

Customer View Model

ENG_CVM_8-1744056-2_C.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_8-1744056-2_C.3d_stp.zip

English

Customer View Model

ENG_CVM_8-1744056-2_C.2d_dxf.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

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2834055-1 SMW73R0JT 141991-2 1969656-1 2310537-1 2377783-2 2380312-2 CPF0402B37K4E1 SBCHE64R7K 1-962915-1 1743455-2 3430B2F51RTDF 917696-1 ROX05SJ18R 175977-2 2005330-1 CRGCQ2010J3K3 2-292161-3 MPT100C18RF U5254-000005-030PA 1903112-2 SBCHE154R7K TE50BR39J 1393431-1 3-1393225-0 936348-1 1-794222-0 3631B101LL 650075-000 RH73H2A40MKTN