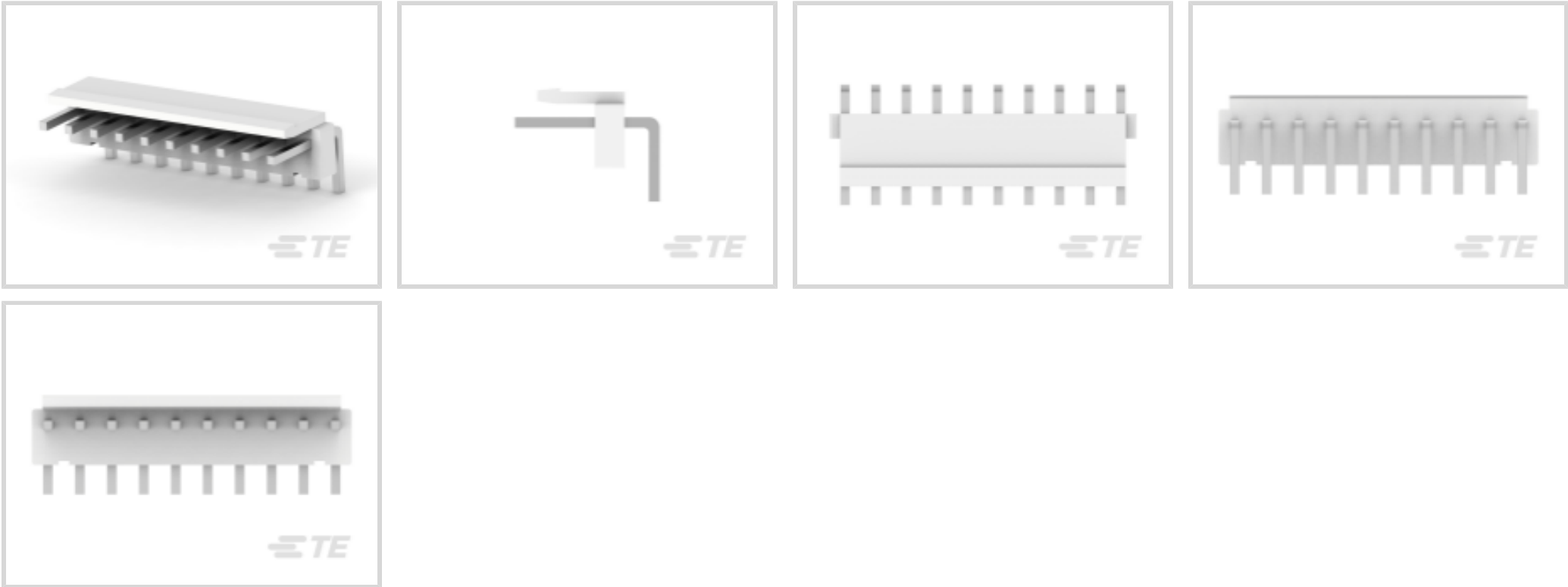




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

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

Features

Product Type Features

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

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Connector Profile	Low
Primary Product Color	White

Contact Features

Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.032 μm[80 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	8.6 mm[.33 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.032 μm[80 μin]
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.6 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

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Connector Width	15.57 mm[.613 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.21 mm[.323 in]
Connector Length	39.6 mm[1.55 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
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 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 # 1-1744416-0
10 POS EP II HSG, GLOW WIRE



TE Part # 1-2132781-0
10P EP-II HOUSING, NATURAL



TE Part # 1-1744544-0
EP II TPA 10P, BLACK



TE Part # 1744525-5
EP RA 05P HEADER ASY NO 3 PIN

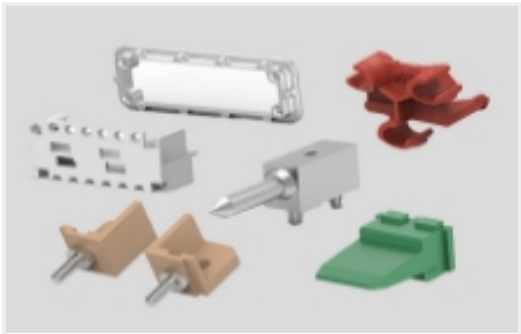


TE Part # 1-1744498-0
10P EP-II HOUSING, BLACK

Also in the Series | Economy Power



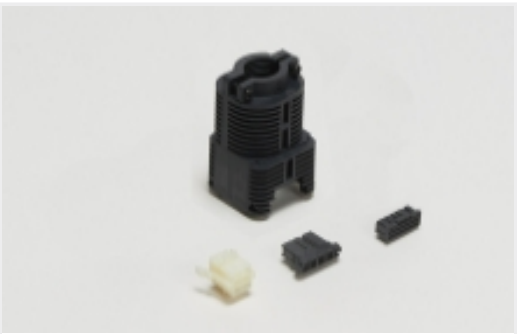
Connector Contacts(13)



Connector Hardware(2)



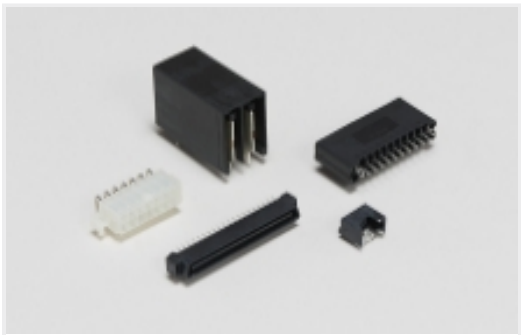
Power Contacts(7)



Rectangular Connector Housings(104)



Rectangular Power Connectors(547)



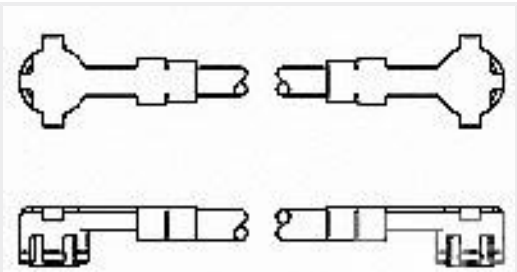
Standard Rectangular Connectors(104)



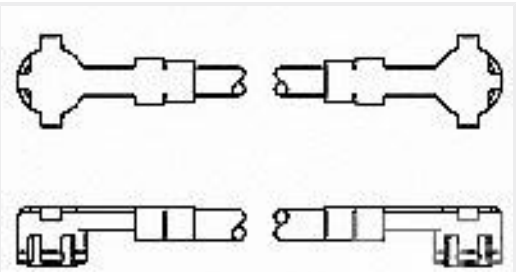
Wire-to-Board Connector Assemblies & Housings(104)



Customers Also Bought



TE Part #1064530-1
9960 1200 24



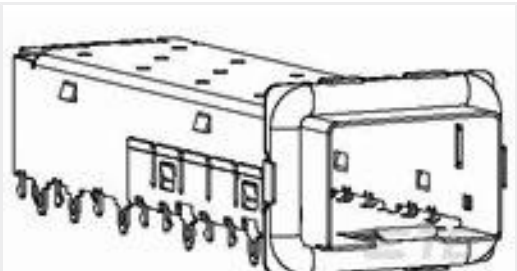
TE Part #1064533-1
9960 1305 24



TE Part #1551920-2
zQSFP+ connector assembly



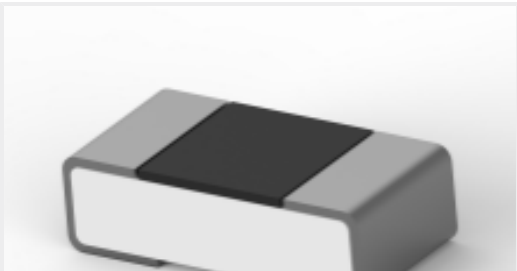
TE Part #1-1734101-0
Champ050 series, 100pos, Au over PdNi



TE Part #2057086-2
SFP+ Enhanced 1x1 Cage Assembly



TE Part #2170806-6
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS



TE Part #6-2176362-6
RQ 0402 191R 0.1% 10PPM 5K RL



TE Part #6368011-5
STK MJ, 2X1, SHLD, Y/G/Y/G LEDS



TE Part #6469028-1
HM-ZD 2PR RECP 40P



TE Part #6339167-2
ASSY, SHLD, 1X4, MJ, WAVE PNL

Documents

Product Drawings

3.96 EP HDR ASSY 10P R/A

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-647676-0_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-647676-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-647676-0_B.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

VDE Certificate

English