



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Centerline (Pitch): **3.96 mm [.156 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	7
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1
Number of Power Positions	7

Electrical Characteristics

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Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 µm[31.5 µin]
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.78 mm[.306 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	12.3 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.62 mm[.142 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Nylon GF

Dimensions

Connector Width	9.58 mm[.377 in]
Connector Height	12 mm[.472 in]
Connector Length	30.97 mm[1.21 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

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	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	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 # 1744416-7
7 POS EP II HSG, GLOW WIRE

TE Part # 1744544-7
EP II TPA 07P, BLACK

TE Part # 1-1744427-5
EP HEADER ASY,SHROUDED,5 POS, GW,NO PIN2

Also in the Series | Economy Power

Connector Contacts(13)

Connector Hardware(2)

Power Contacts(7)

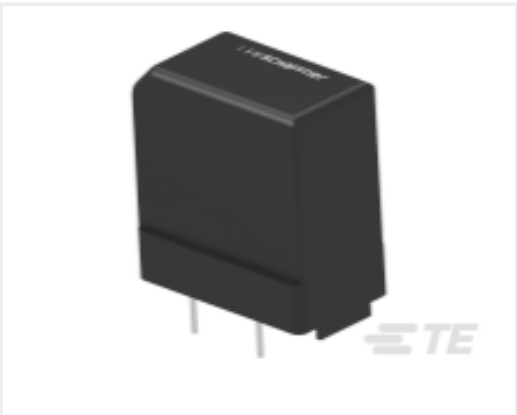
Rectangular Connector Housings(104)

Rectangular Power Connectors(547)

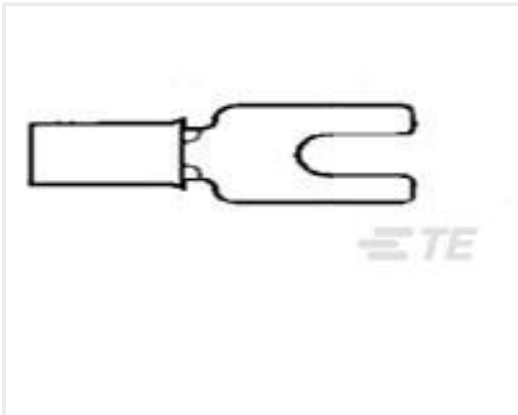
Standard Rectangular Connectors(104)

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

Customers Also Bought



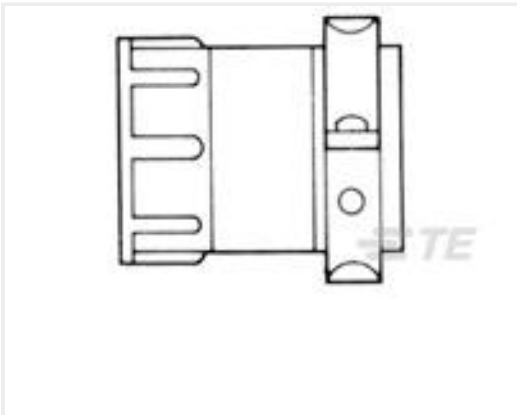
TE Part #816577-SF
RN242-1-02-33M



TE Part #34247
TERMINAL,BUDG SPD 26-22 4



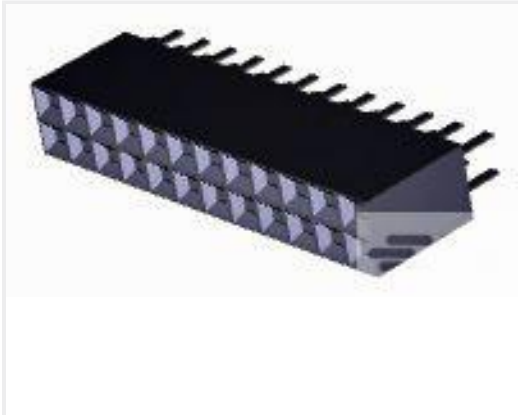
TE Part #5-102618-4
12 MODII HDR DRST SHRD .100CL



TE Part #206512-6
LARGE CABLE CLAMP KIT,BULK PKG



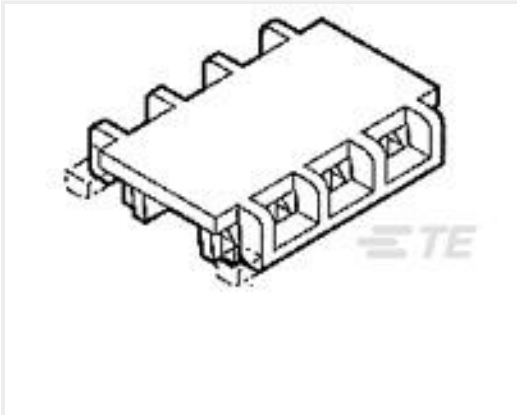
TE Part #213283-2
HARDWARE KIT,DRAWER CONN



TE Part #1-534998-2
24 MODIV VRT DR CE 100/125



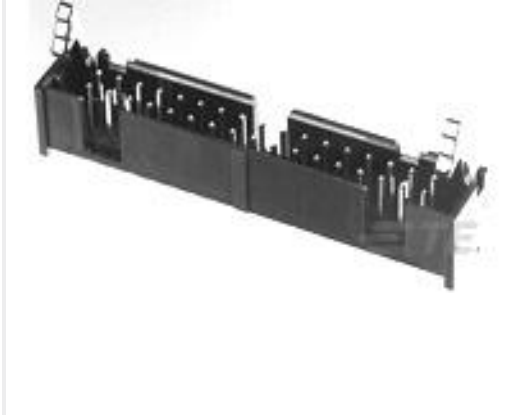
TE Part #640457-8
08P MTA100 HDR ASSY SQ R/A F/L



TE Part #1-643071-2
12P MTA156 FD-THRU COVER



TE Part #1744544-7
EP II TPA 07P, BLACK



TE Part #1761606-3
IDC LOW PRO HDR 10P VERT LAT BLK

Documents

Product Drawings

EP Header Asy,Shrouded,7 Pos, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744427-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744427-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744427-7_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



Economy Power II (EP II) Glow Wire test compliant connectors

English

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English