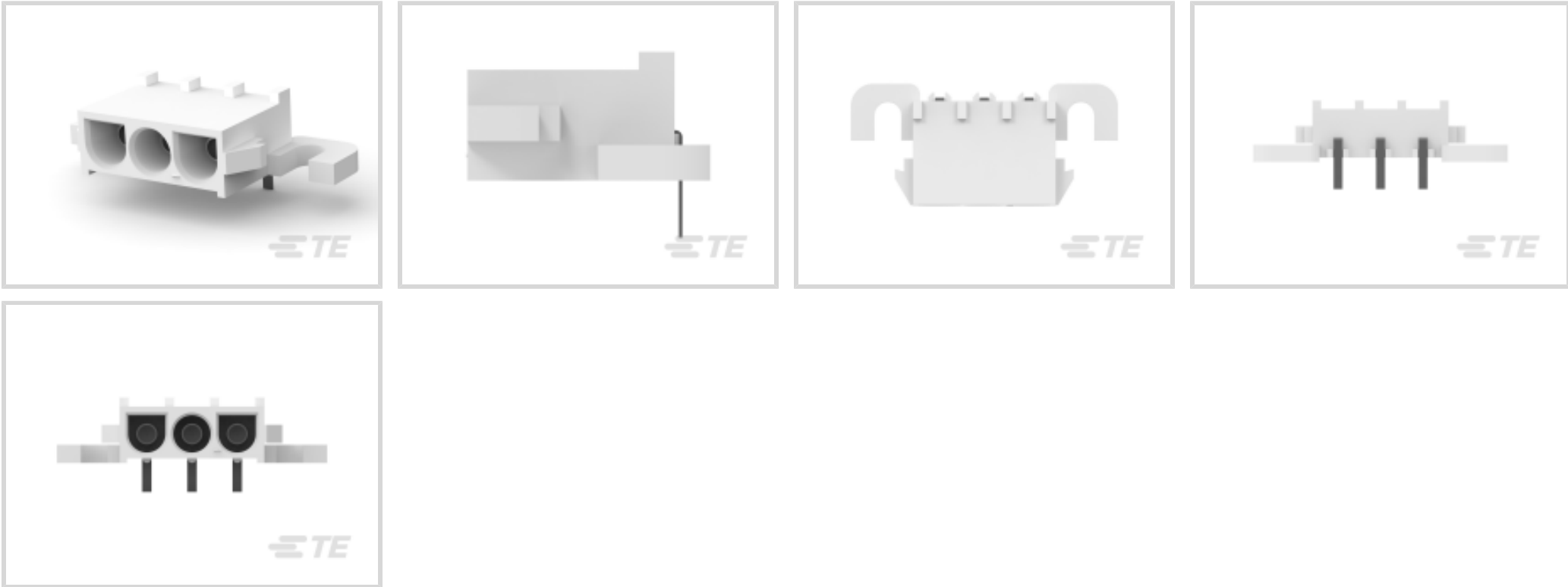




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	3
Number of Rows	1

Electrical Characteristics

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	1.27 – 1.79 µm[50 – 70 µin]
Contact Size	2.95mm
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Socket
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Length	4.06 mm[.16 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Mounting Ears
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With



Housing Features

Mating Entry Location	Side
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Dimensions

Connector Width	17.27 mm[.68 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.14 mm[.36 in]
Connector Length	37.97 mm[1.49 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 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-0

Packaging Features

Packaging Quantity	280
Packaging Method	Box

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability



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 # 1969796-1 02P UMNL HDR ASSY R/A, PIN V0 GW	 TE Part # 1-350943-0 03P UMNL HDR ASSY R/A 94VO	 TE Part # 1969806-1 04P UMNL HDR ASSY R/A, SCKT V0 GW	 TE Part # 1969812-1 06P UMNL HDR ASSY R/A, PIN V0 GW
 TE Part # 1969797-1 02P UMNL HDR ASSY R/A, SCKT V0 GW	 TE Part # 1586892-1 03P UMNL HDR ASSY R/A, GW	 TE Part # 1969798-1 02P UMNL PIN HDR ASSY NATL, PIN V0 GW	 TE Part # 1969815-1 08P UMNL HDR ASSY R/A, PIN V0 GW
 TE Part # 1969808-1 05P UMNL HDR ASSY R/A, PIN V0 GW	 TE Part # 1969813-1 06P UMNL HDR ASSY R/A, SCKT V0 GW	 TE Part # 1969816-1 08P UMNL HDR ASSY R/A, SCKT V0 GW	 TE Part # 643228-1 03P UMNL HDR ASSY R/A 94VO

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



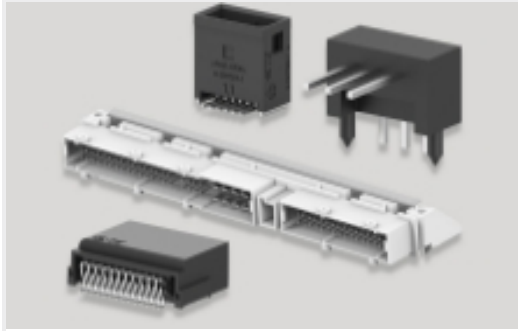
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



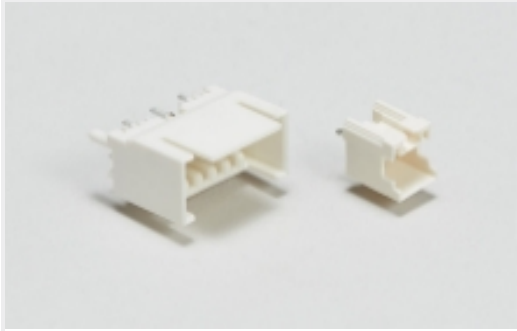
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)



Wire-to-Board Headers & Receptacles (286)

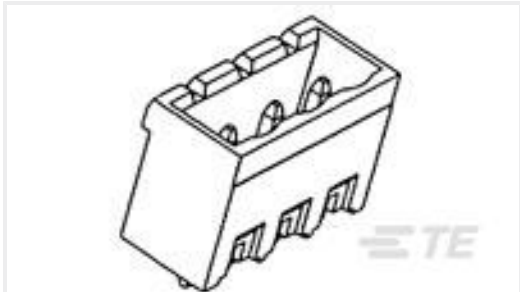
Customers Also Bought



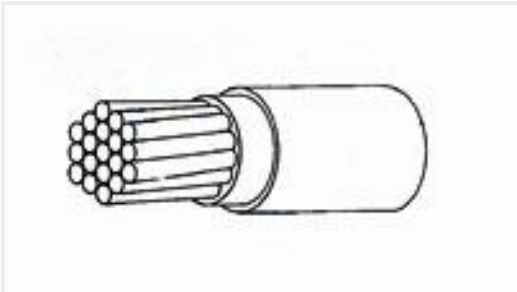
TE Part #1622901-1
CRG0603 1% 2K0



TE Part #3-640430-2
02P MTA156 CONN ASSY 26AWG BLU



TE Part #796642-6
6POS 5.0MM CE VRT HDR,TRM BLK



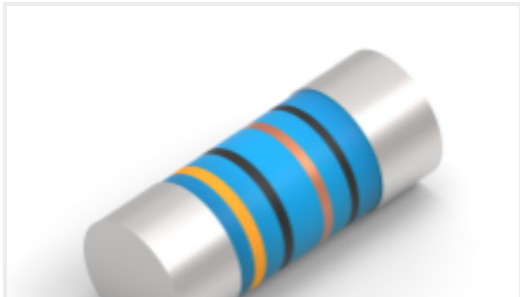
TE Part #218686-000
22759/34-16-2



TE Part #3-640430-4
04P MTA156 CONN ASSY 26AWG BLU



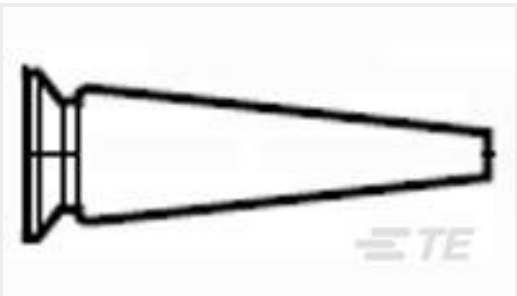
TE Part #3-643821-3
03P MTA156 CONN ASSY 26AWG LF



TE Part #2176316-2
MELF SMA_A 120R 0.1% 15PPM 0207 1W



TE Part #ZPF000000000145735
DMC-MD 26 N-K-T



TE Part #640254-1
KEYING PLUG .045 SQ PST CONN



TE Part #696426-1
SPLICE BUTT PVF2 PIDG 24-20

Documents



Product Drawings

03P UMNL HDR ASSY R/A, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586893-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586893-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586893-3_A.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English