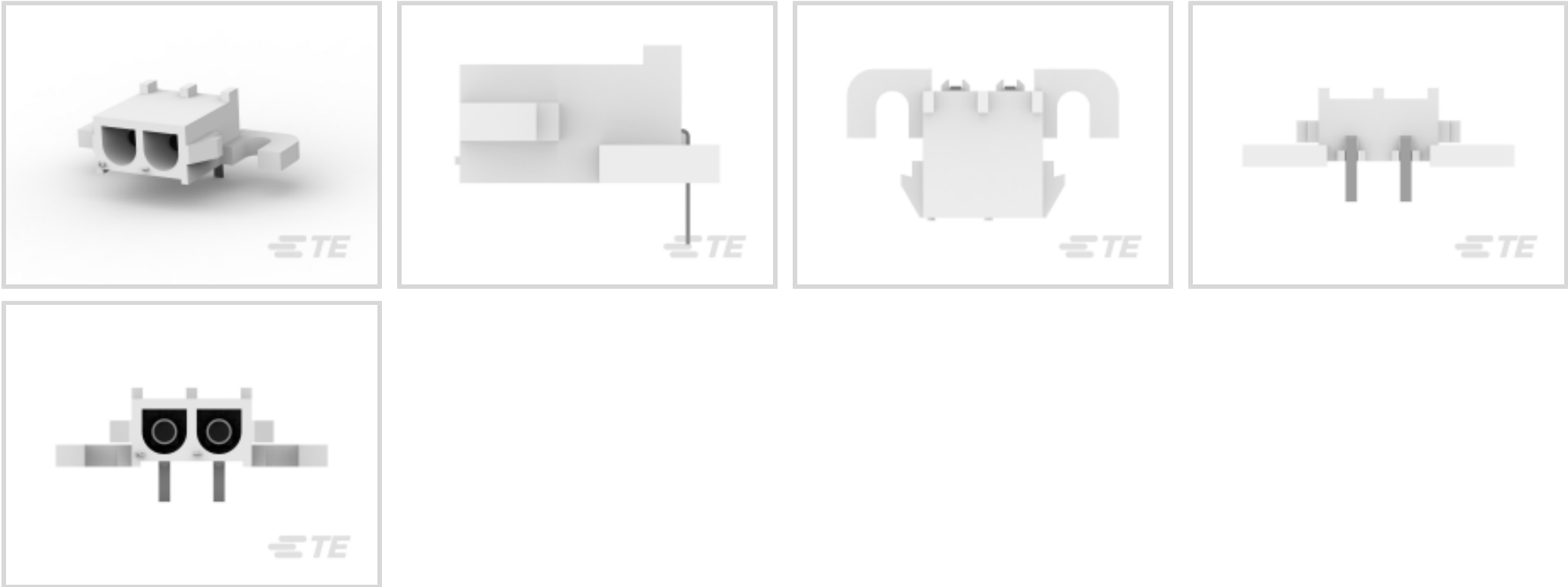




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

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	2
Number of Loaded Positions	2
Number of Power Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	2
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	31.62 mm[1.245 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

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Rating	Recognized
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	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	Low Halogen - Br, Cl, F, I < 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 # 1703062-1 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK	 TE Part # 1586892-3 03P UMNL HDR ASSY R/A, GW V0	 TE Part # 2-480699-0 02P UMNL CAP HSG NATL	 TE Part # 1-640719-0 02P UMNL STR/REL & INSRT NATL
 TE Part # 1-640719-1 02P UMNL STR/REL NATL	 TE Part # 350848-2 02P UMNL PLUG TEST ASSY 94VO	 TE Part # 640713-1 02P UMNL STR/REL & INSERT	 TE Part # 794991-1 02P UMNL BLACK INTERFACE SEAL
 TE Part # 2178649-2 2P UMNL CAP HSG, GW	 TE Part # 2178927-1 02P UMNL CAP HSG	 TE Part # 643250-1 02P UMNL ASSY MOD HSG V0	 TE Part # 794815-1 02P UMNL CAP HSG,HI TEMP



TE Part # 2178649-1
2P UMNL CAP HSG, GW



TE Part # 2178649-3
2P UMNL CAP HSG, GW



TE Part # 794270-1
02P UMNL WIRE SEAL



TE Part # 1703062-2
CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 1703062-3
CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 1586856-1
02P UMNL CAP HSG, GW



TE Part # 1969795-1
02P UMNL HDR ASSY SCKT V0 GW



TE Part # 350811-1
STR/REL CLAMP

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



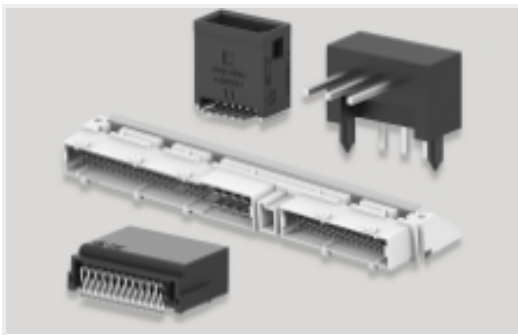
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



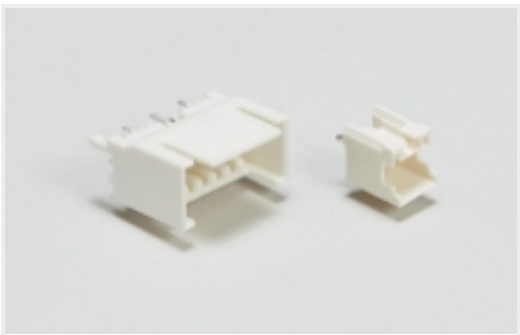
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)

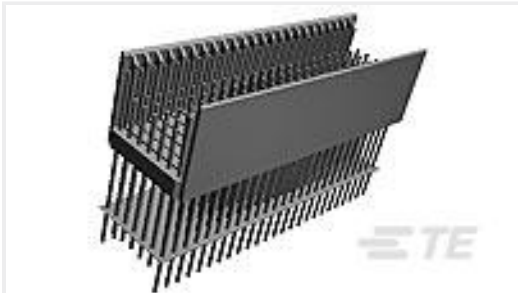


Wire-to-Board Headers & Receptacles (286)

Customers Also Bought



TE Part #1318127-1
DYNAMIC D2100 HDR V ASSY 20P



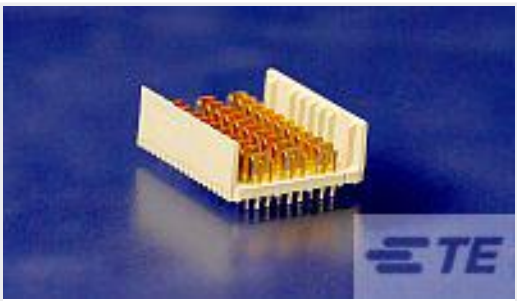
TE Part #5100785-1
2MM HDR, 125 POS 9.7MM



TE Part #5787745-3
USB A R/A STAK ASSY THRU HOLE



TE Part #641966-1
03P UMNL PIN HDR ASSY 94VO



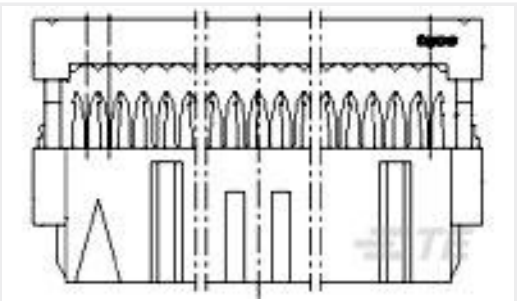
TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #CAT-OE4-OJ1
STD OEG Miniature PCB OJ/OJE Pow
Relays



TE Part #1-1393224-2
RYA31024



TE Part #1-215919-0
AMP-LATCH 15.2 HIGH TAPE



TE Part #6364999-2
CONN ASSY 31 DUAL POS

Documents

Product Drawings

02P UMNL HDR ASSY R/A 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643226-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643226-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643226-1_F.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_643226-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_643226-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_643226-1_B.3d_stp.zip

English



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Product Specifications Application Specification English	
Instruction Sheets Instruction Sheet (U.S.) English	
Agency Approvals UL English	