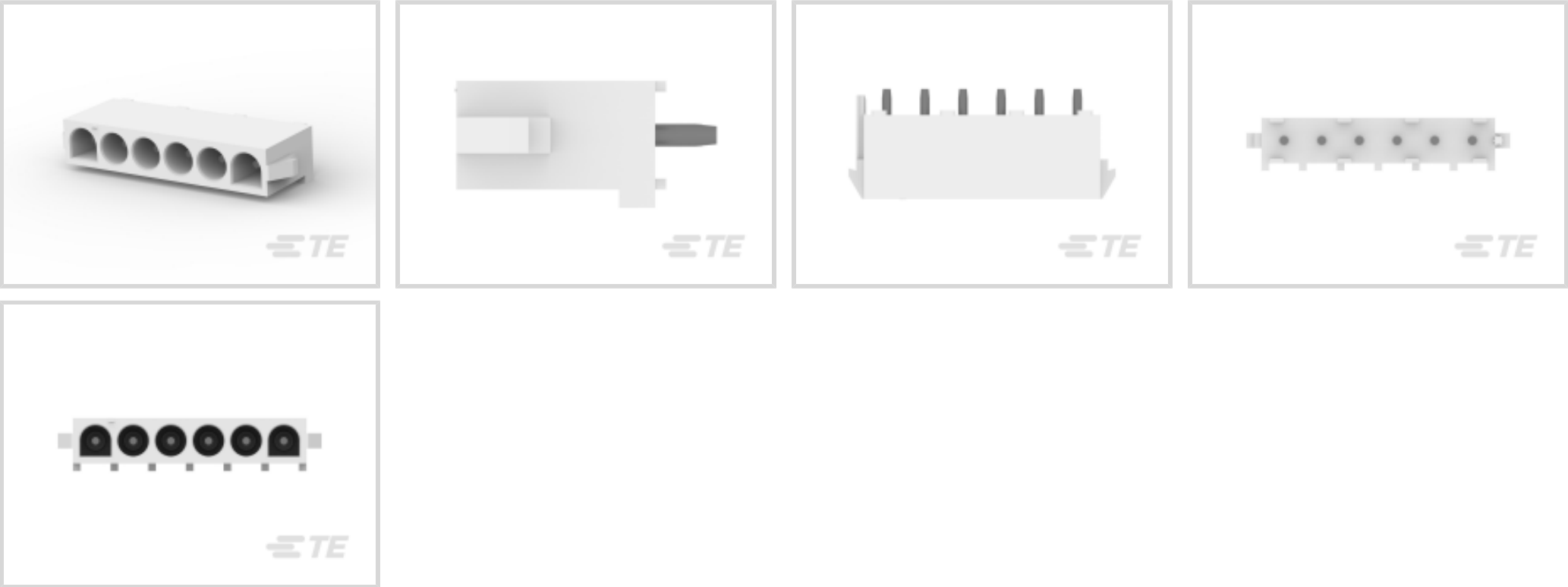




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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	6
Number of Loaded Positions	6
Number of Power Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	6



Number of Rows	1
Electrical Characteristics	
Operating Voltage	600 VAC
Body Features	
Primary Product Color	Natural
Contact Features	
Contact Underplating Material	Nickel
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Size	2.2mm
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	Pin
Contact Current Rating (Max)	12 A
Termination Features	
Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 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 Alignment Type	Standard Polarized Tail
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount



Mating Alignment	With
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Housing Features

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

Dimensions

Connector Width	7.62 mm [.3 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]
Connector Height	13.97 mm [.55 in]
Connector Length	39.37 mm [1.55 in]
Profile Height from PCB	14.73 mm [.58 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-2

Packaging Features

Packaging Quantity	100
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: 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
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Solder Process Capability	Wave solder capable to 265°C
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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 # 350811-1 STR/REL CLAMP	 TE Part # 794276-1 06P UMNL WIRE SEAL	 TE Part # 794275-1 06P UMNL INTERFACE SEAL	 TE Part # 643585-2 06P UMNL STR/REL NATL
 TE Part # 643313-2 06P UMNL STR/REL	 TE Part # 643313-1 06P UMNL STR/REL	 TE Part # 640585-1 06P UMNL PLUG HSG V2 NATL	 TE Part # 643253-1 06P UMNL ASSY MOD HSG VO





TE Part # 1-350589-0
STR/REL CLAMP NATL



TE Part # 1863025-1
UNIVERSAL MNL 6-WAY CAP



TE Part # 794993-1
06P UMNL BLACK INTERFACE SEAL



TE Part # 643406-3
05P UMNL PIN HDR ASS BLK 94VO

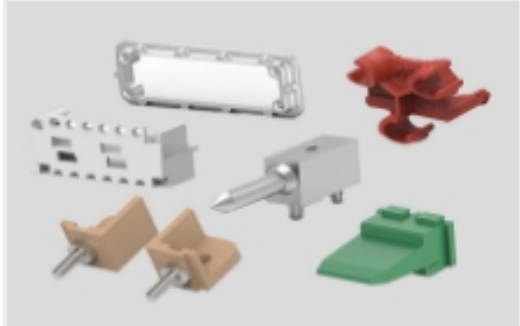
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(208)



Connector Hardware(12)



Power Contacts(208)



Rectangular Power Connectors(651)



Standard Circular Connectors(1)

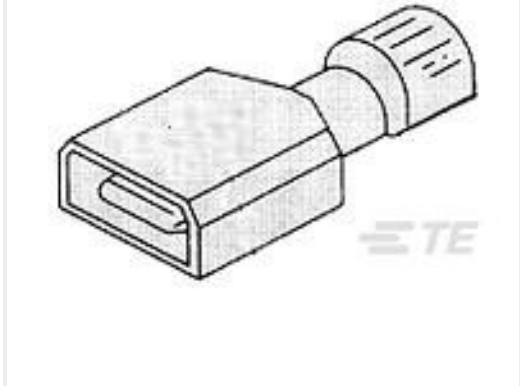
Customers Also Bought



TE Part #643464-1
07C MTA156 HDR F/L STR SQ SPL



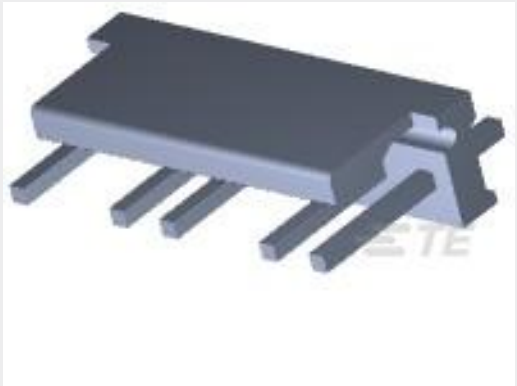
TE Part #1877285-4
04P EP SHRD HDR ASMY, WHITE



TE Part #4-521098-2
ULTRA-FAST 250 ASSEMBLY 12-10 AWG TPBR



TE Part #641975-1
15P UMNL PIN HDR ASSY POL NATL



TE Part #643464-9
07P MTA156 HDR ASSY W/O#3&6



TE Part #1-350944-0
04P UMNL HDR ASSY R/A 94VO



TE Part #643405-1
05P UMNL PIN HDR ASSY POL NATL



TE Part #643423-1
06P UMNL HDR ASSY POL



Documents

Product Drawings

06P UMNL PIN HDR ASSY POL NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643407-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643407-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643407-1_K.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_643407-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_643407-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_643407-1_L.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English



Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English