

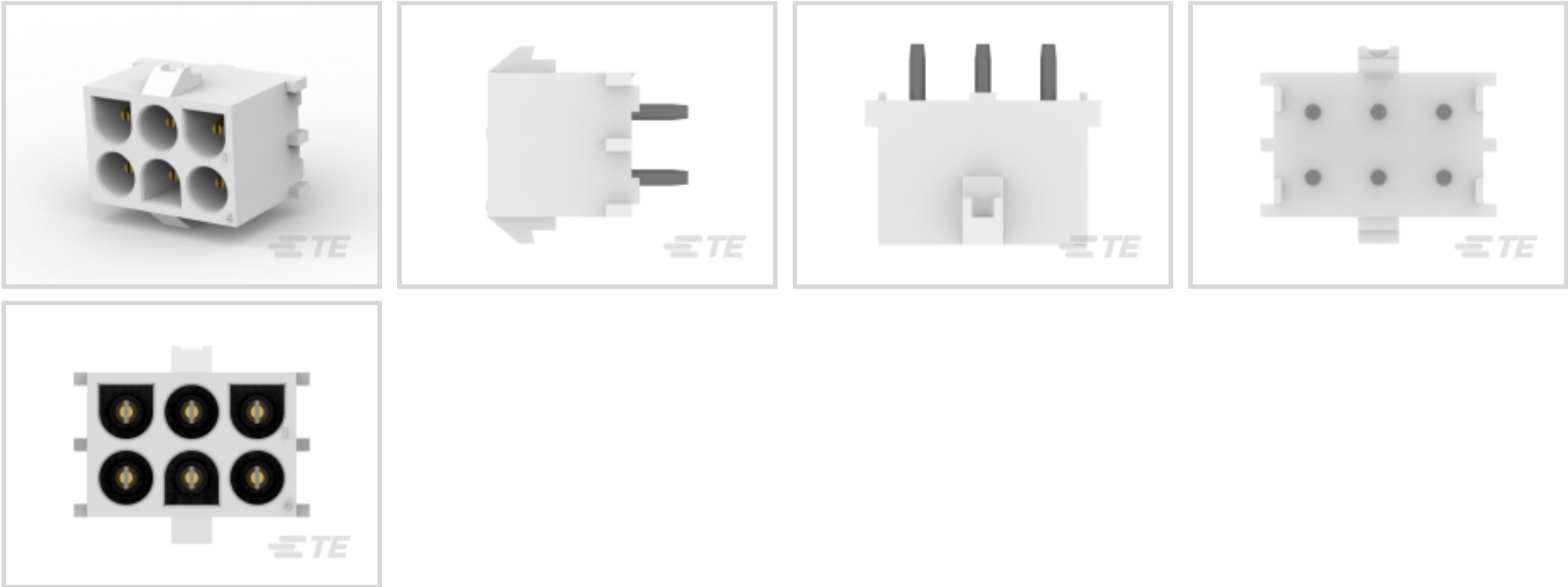


MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 350585-4
PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **6**

Number of Rows: **2**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	6
Number of Columns	3
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	2



PCB Mount Orientation	Vertical
-----------------------	----------

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Body Features

Primary Product Color	Natural
-----------------------	---------

Contact Features

Contact Size	2.2mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Matrix
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Mating Area Plating Material Thickness	.76 – .91 µm[30 – 36 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	5.09 mm[.2 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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



PCB Mount Retention	Without
Housing Features	
Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]
Dimensions	
Connector Length	20.32 mm[.8 in]
Connector Height	13.97 mm[.55 in]
Connector Width	13.97 mm[.55 in]
PCB Thickness (Recommended)	3.18 mm[.125 in]
Profile Height from PCB	14.73 mm[.58 in]
Row-to-Row Spacing	6.35 mm[.25 in]
Usage Conditions	
Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	UL, VDE
Compatible With Approved Standards Products	UL E28476
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: JUNE 2024
(241)
Candidate List Declared Against: JUNE
2024 (241)
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 # 350812-1
STR/REL CLAMP UMNL

TE Part # 640715-1
06P UMNL STR/REL

TE Part # 1-350590-0
STR/REL CLAMP NATL

TE Part # 1586860-1
06P UMNL CAP HSG, GW

TE Part # 1-640721-0
06P UMNL STR/REL & INSRT NATL

TE Part # 926682-3
06P UNIV.M-N-L.HSG.

TE Part # 1-480704-0
06P UMNL PLUG HSG NATL

TE Part # 794536-1
06P UMNL CAP HSG 150C BLK



TE Part # 794096-1
06P UMNL PLUG



TE Part # 1586090-1
06P UMNL PINHDR NO DRAIN HOLE



TE Part # 2029367-1
06P UMNL-II TW-N-LK-CAP FRONT



TE Part # 926682-1
UNIVERSAL M-N-L CAP 6 POS



TE Part # 1586887-1
06P UMNL CAP HSG, P/M, GW



TE Part # 8-794536-1
06P UMNL CAP HSG 150C BLK, SPE



TE Part # 926682-4
6P UN-MNL AUFN-GEH



TE Part # 1586090-3
06P UMNL PINHDR W/O DR HOLE LF



TE Part # 1969881-1
06P UMNL CAP HSG, P/M, GW V0



TE Part # 2029369-1
06P UMNL-II REAR, TW-N-LK-CAP



TE Part # 350848-6
06P UMNL PLUG TEST ASSY 94V0



TE Part # 643253-1
06P UMNL ASSY MOD HSG V0

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



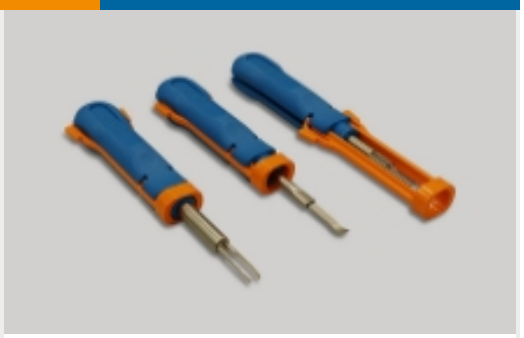
Connector Hardware(12)



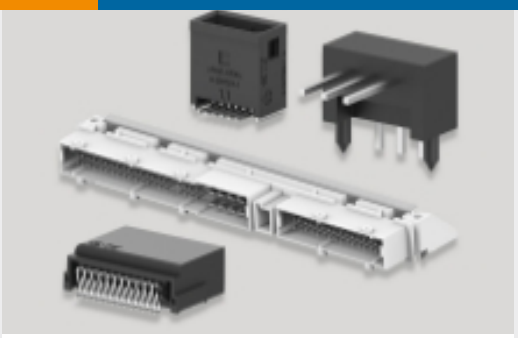
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(285)



Rectangular Connector Housings(1)



Rectangular Power Connectors(370)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #5100159-1
2MM HDR, 55 POS EXTN MOD



TE Part #640455-3
03P MTA100 HDR ASSY SQ R/A POL



TE Part #1622960-1
CRG0603 1% 4K7



TE Part #1622872-1
CRG0603 1% 1K5



TE Part #5223985-1
UPM KEYED GUIDE PIN



TE Part #5223955-2
TE UPM Ver Receptacle 3P STD Power



TE Part #2329186-1
HM-EZD+,2PAIRS,10COLS,VERTICAL, ASSEMBLY



TE Part #8-1879276-0
RP 2A 10K5 0.1% 15PPM 1K RL



TE Part #6450552-7
MBXL VERT RCPT 3ACP+4P+24S



TE Part #1825068-5
C22504 CAP GREEN

Documents

Product Drawings

06P UMNL PIN HDR ASSY V2 LF

English

CAD Files

Customer View Model

ENG_CVM_350585-4_R.3d_igs.zip

English

Customer View Model



[ENG_CVM_350585-4_R.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_350585-4_R.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_350585-4_Y.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350585-4_Y.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350585-4_Y.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

Agency Approvals

[UL](#)

English