

350824-1 ✓ ACTIVE

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

TE Internal #: 350824-1

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

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

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
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1



Number of Power Positions	2
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Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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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
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
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
Contact Type	Socket
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Pre-Tin

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

Housing Features



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

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	13.97 mm [.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-0

Packaging Features

Packaging Quantity	200
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

Low Halogen - Br, Cl, F < 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 # 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 # 1969830-1
6P UMNL SKT ASSY GW



TE Part # 794815-1
02P UMNL CAP HSG, HI TEMP



TE Part # 1703062-1
CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 1-640719-0
02P UMNL STR/REL & INSRT NATL



TE Part # 1-640719-1
02P UMNL STR/REL NATL



TE Part # 2-480699-0
02P UMNL CAP HSG NATL



TE Part # 640713-1
02P UMNL STR/REL & INSERT



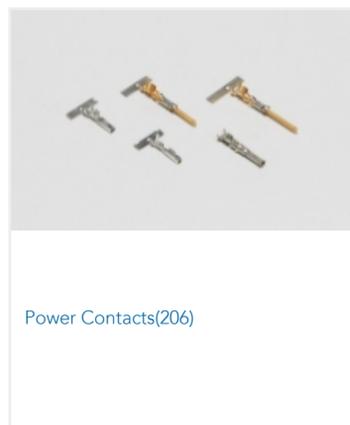
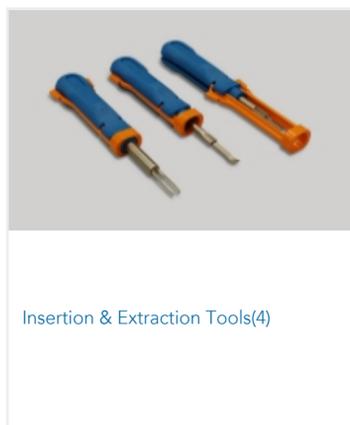
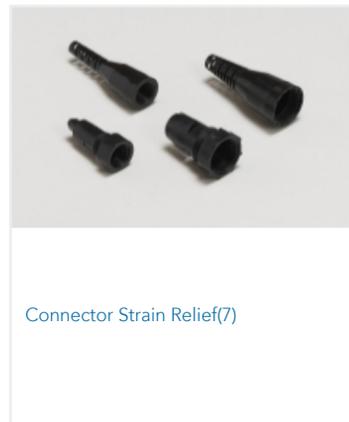
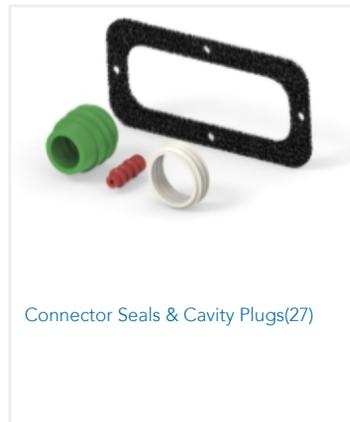
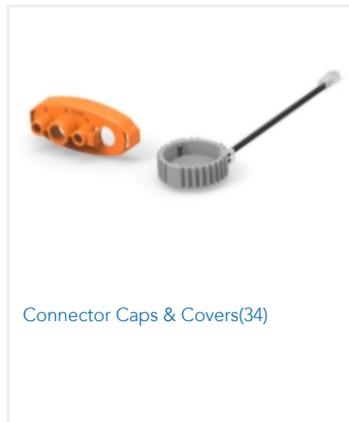
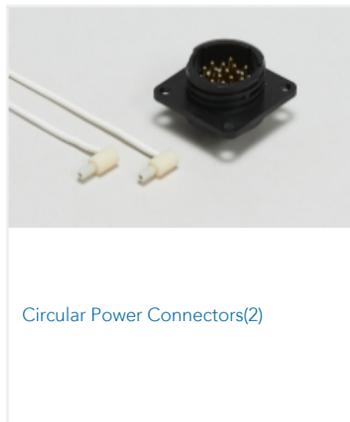
TE Part # 794991-1
02P UMNL BLACK INTERFACE SEAL



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



Also in the Series | **Universal MATE-N-LOK**



Customers Also Bought



TE Part #1-776275-1
8POS,PIN DIA 1.3,HDR ASSY,180DEG,
COD 1



TE Part #2-1625984-2
HSA50 1R0 5%



TE Part #4-1676966-7
SMW2 8R2 5%



TE Part #5-1879225-5
CPF 0603 162K 0.1% 25PPM 1K RL



TE Part #1-1879502-6
CRGH2512 5% 56K 2W



TE Part #2232043-2
2P, RAST 5 Tab Header, THV



TE Part #2-5530843-3
CONN SEC II 35 POS 100C/L



TE Part #2-6609006-2
3EJT1=F8134



TE Part #6-104909-5
16 MTE HDR SRST LATCH W/HLDWN



TE Part #364899-E
STVE 48 M ACE GGG 4-00 1006 * 8392
247 E

Documents

Product Drawings

[02P UMNL HDR ASSY PC 94VO](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_350824-1_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350824-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350824-1_T.3d_stp.zip](#)

English

[3D PDF](#)

English



Customer View Model

[ENG_CVM_350824-1_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_350824-1_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_350824-1_N.3d_stp.zip](#)

English

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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