

2029000-1 ✓ ACTIVE

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

TE Internal #: 2029000-1

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 Assembly Type: **PCB Mount Header**

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

Number of Positions: **2**

Number of Rows: **1**

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



### Electrical Characteristics

Operating Voltage	600 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]
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Contact Layout	Inline
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Contact Underplating Material Thickness	1.27 – 1.79 $\mu\text{m}$ [50 – 70 $\mu\text{in}$ ]
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Contact Mating Area Plating Material Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Pre-Tin
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Pre-Tin
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Contact Type	Socket
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Contact Current Rating (Max)	12 A
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### Termination Features

Termination Post & Tail Length	2.54 mm[.1 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

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

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



Connector Length	13.97 mm[.55 in]
Connector Height	13.97 mm[.55 in]
Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

### 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	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 # 1-350778-9  
02P UMNL V0 CAP HSG BLACK



TE Part # 350428-1  
02P UMNL PIN HDR ASSY NATL



TE Part # 1-480699-9  
02P UMNL CAP HSG BLK



TE Part # 2029361-1  
05P UMNL SOC HDR V2 NATL NDH



TE Part # 1-480699-2  
02P UMNL CAP HSG RED



TE Part # 1586953-1  
02P UMNL PIN HDR ASSY NATL, GW



TE Part # 1-480699-0  
02P UMNL CAP HSG NATL



TE Part # 643411-1  
02P UMNL HDR ASSY POL



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



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



TE Part # 1-641964-1  
02P UMNL HDR ASSY POL BLK



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



TE Part # 1-480699-5  
02P UMNL CAP HSG GRN



TE Part # 1-350778-2  
02P UMNL V0 CAP HSG RED



TE Part # 1-480699-1  
02P UMNL CAP HSG BRN



TE Part # 1-480699-6  
02P UMNL CAP HSG BLU




TE Part # 1-480699-8  
02P UMNL CAP HSG GRY



TE Part # 1-350778-1  
02P UMNL V0 CAP HSG BROWN




TE Part # 1-350778-3  
02P UMNL V0 CAP HSG ORANGE




TE Part # 350582-1  
02P UMNL PIN HDR ASSY V2 NATL


## 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 #5-104363-7  
08 MTE HDR SRST LATCH .100CL



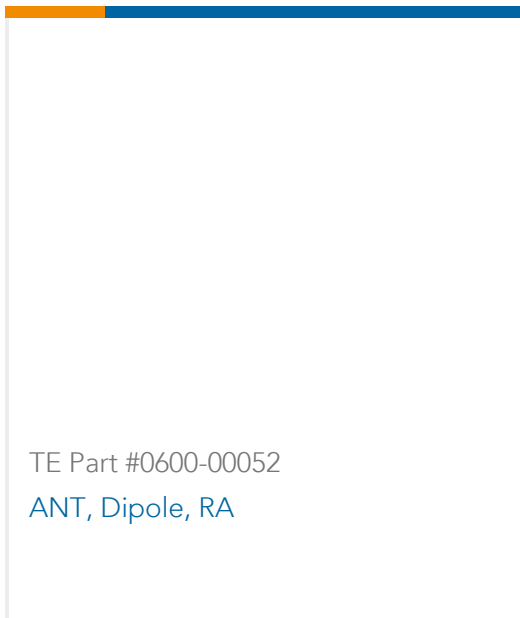
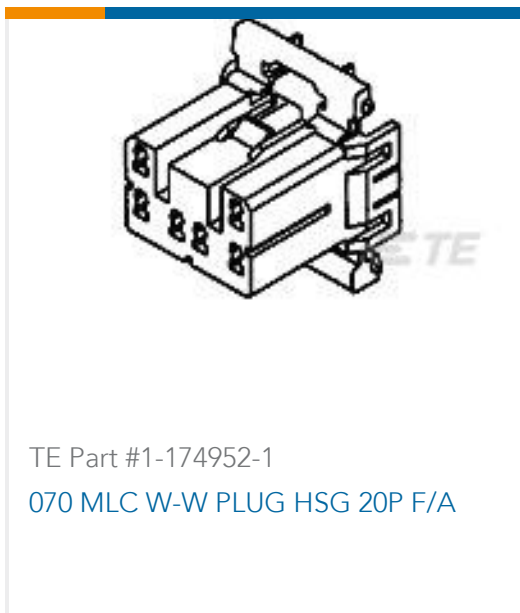
TE Part #6609101-5  
PS00XS000=C1005



TE Part #2-745496-0  
PLUG ASSY,25P,HDE,MS



TE Part #2280116-1  
KIT, BTLI, INLINE, 6 TON



## Documents

### Product Drawings

[02P UMNL HDR SHRT TAIL, NDH](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_2029000-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2029000-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2029000-1\\_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