



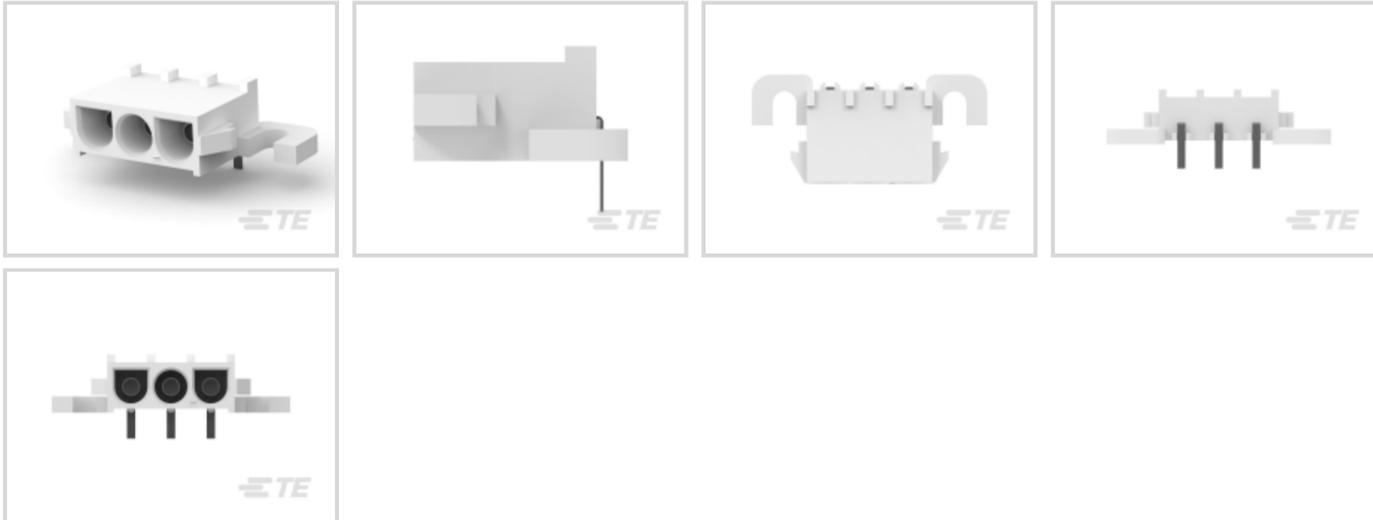
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 1586893-3

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

[View on TE.com >](#)

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: **3**

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	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	3
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Number of Rows	1
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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
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Contact Underplating Material Thickness	1.27 – 1.79 μm [50 – 70 μin]
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Contact Size	2.95mm
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Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
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PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
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Contact Shape & Form	Round
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Contact Layout	Inline
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Pre-Tin
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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	4.06 mm[.16 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention Type	Locking Tab
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Mating Retention	With
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Mating Alignment Type	Polarization
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PCB Mount Retention Type	Mounting Ears
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PCB Mount Retention	With
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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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	37.97 mm [1.49 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	GWT 750°C (Without Flame)
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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

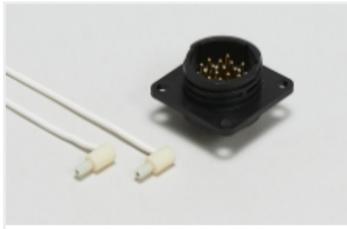
Product Compliance Disclaimer

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



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



Circular Power Connectors(2)



Connector Caps & Covers(34)



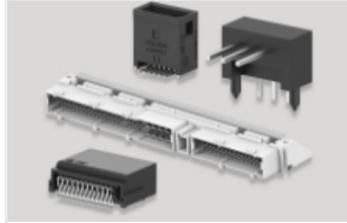
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



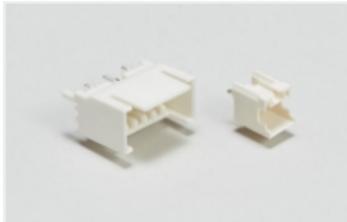
PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)

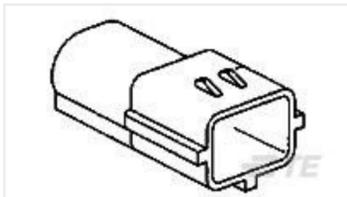


Standard Circular Connectors(1)



Wire-to-Board Headers & Receptacles (286)

Customers Also Bought



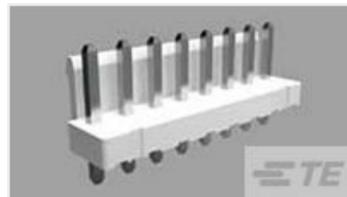
TE Part #174359-2
070 ECONOSEAL MARK-2 CAP 3P



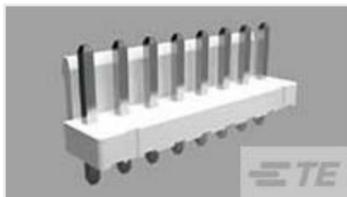
TE Part #1445336-2
LOOSE PC CONTACT 15 AU PLATED



TE Part #1-1879272-3
RP 2A 261R 0.1% 15PPM CUT LENGTH



TE Part #1744037-2
02P EC PWR.200 CL HDR ASSY VRT



TE Part #1744037-3
03P EC PWR.200 CL HDR ASSY VRT



TE Part #4515DO-DS5BS002DS
2IN PCB MOUNT SPI DIFF PRESSURE SENSOR



TE Part #60618-1
CMNL PIN PTPBR L/P



TE Part #280389-2
2X4P MODU II SHRD HDR,RT ANG, 0.38AU



Documents

Product Drawings

[03P UMNL HDR ASSY R/A, GW](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1586893-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586893-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586893-3_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English