

1586610-1 ✓ ACTIVE



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

TE Internal #: 1586610-1

PCB Mount Header, Right Angle, Wire-to-Board, 4 Position, 4.14 mm [.162 in] Centerline, Tin-Lead, Through Hole - Solder, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **4**

Number of Rows: **2**

Centerline (Pitch): **4.14 mm [.162 in]**

PCB Mount Orientation: **Right Angle**

### Features

#### Product Type Features

Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

#### Configuration Features

Number of Positions	4
Number of Rows	2
PCB Mount Orientation	Right Angle

#### Electrical Characteristics

Operating Voltage	600 VAC
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#### Body Features

Primary Product Color	White
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#### Contact Features

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Contact Mating Area Length	6.1 mm[.24 in]
PCB Contact Termination Area Plating Material Thickness	3.81 $\mu$ m[150 $\mu$ in]
Contact Layout	Matrix
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	3.81 $\mu$ m[150 $\mu$ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Current Rating (Max)	10 A

#### Termination Features

Round Termination Post & Tail Diameter	1 mm[.039 in]
Termination Post & Tail Length	3.68 mm[.144 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Boardlock
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

#### Housing Features

Housing Material	Nylon
Centerline (Pitch)	4.14 mm[.162 in]

#### Dimensions

Connector Length	9.86 mm[.388 in]
Connector Height	11.86 mm[.466 in]
Connector Width	11.86 mm[.466 in]



PCB Thickness (Recommended)	1.57 mm[.061 in]
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Row-to-Row Spacing	4.14 mm[.162 in]
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### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	200
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Packaging Type	Bag
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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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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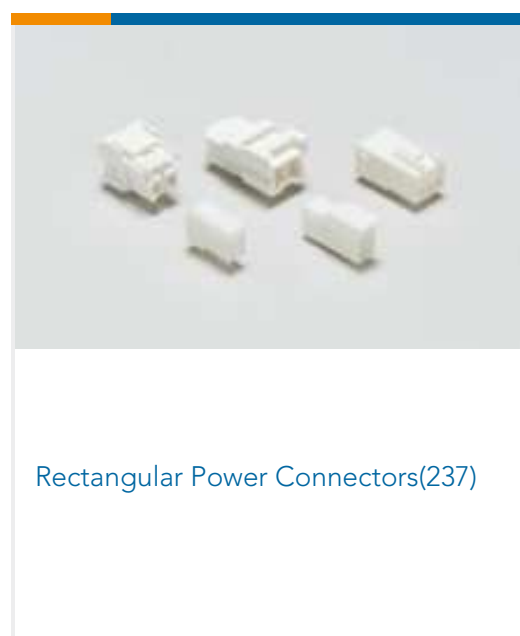
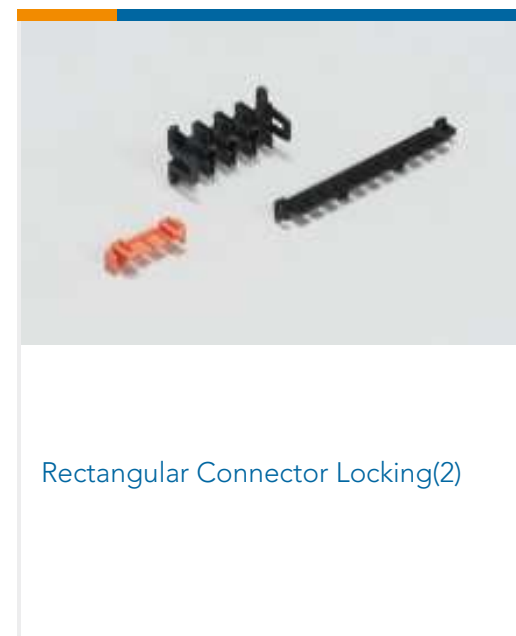
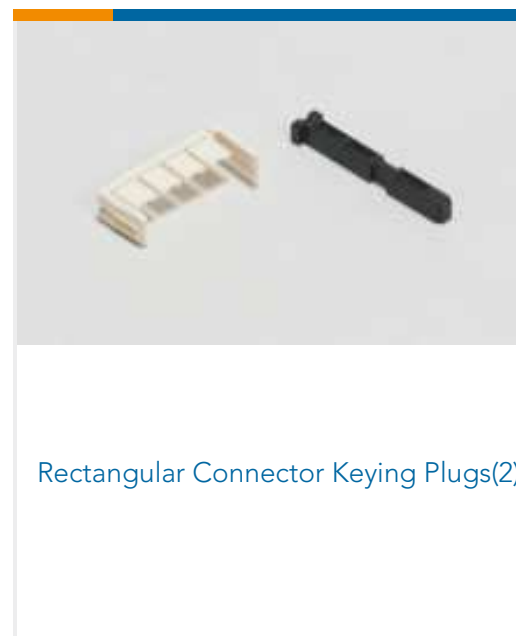
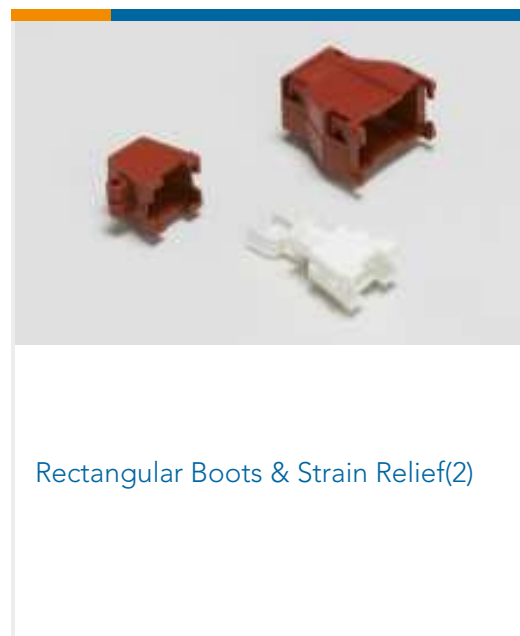
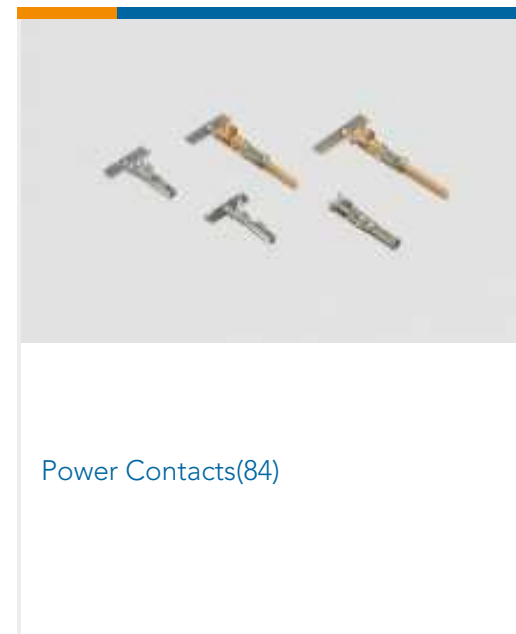
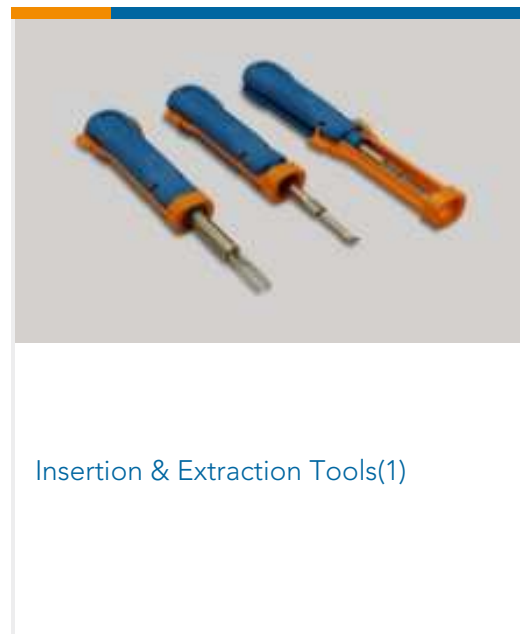
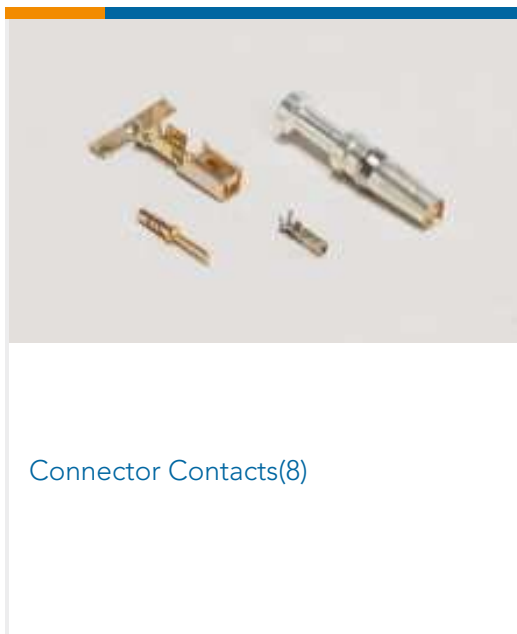
#### Product Compliance Disclaimer

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



## Also in the Series | Mini-Universal MATE-N-LOK



## Customers Also Bought



TE Part #640583-3  
06P UMNL HDR ASSY R/A 94VO LF



TE Part #1-103308-0  
050 LOPRO HDR SP 15DP



TE Part #103957-4  
4X5 MTE RCPT SR LATCH .100CL



TE Part #6609003-4  
10EBH1=F7533E S0



TE Part #5-146277-8  
08 MODII HDR SRST B/A .100CL



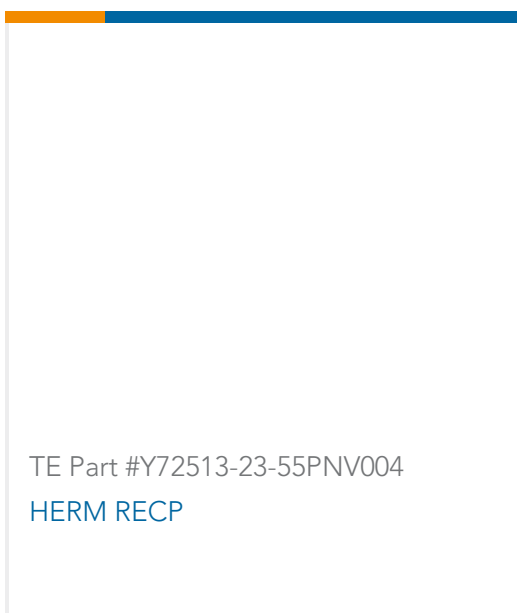
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983-6SE 16-24 PN



TE Part #1586613-1  
10p mini umnl assy r/a spcl sn



TE Part #Y72513-23-55PAV004  
HERM RECP



TE Part #Y72513-23-55PNV004  
HERM RECP

## Documents

### Product Drawings

[04p mini umnl assy r/a sn spcl](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1586610-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1586610-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1586610-1\\_B.3d\\_stp.zip](#)

English

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

### Product Environmental Compliance

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PCB Mount Header, Right Angle, Wire-to-Board, 4 Position, 4.14 mm [.162 in]  
Centerline, Tin-Lead, Through Hole - Solder, Mini-Universal MATE-N-LOK



## TE Material Declaration

English