

179847-1 ✓ ACTIVE



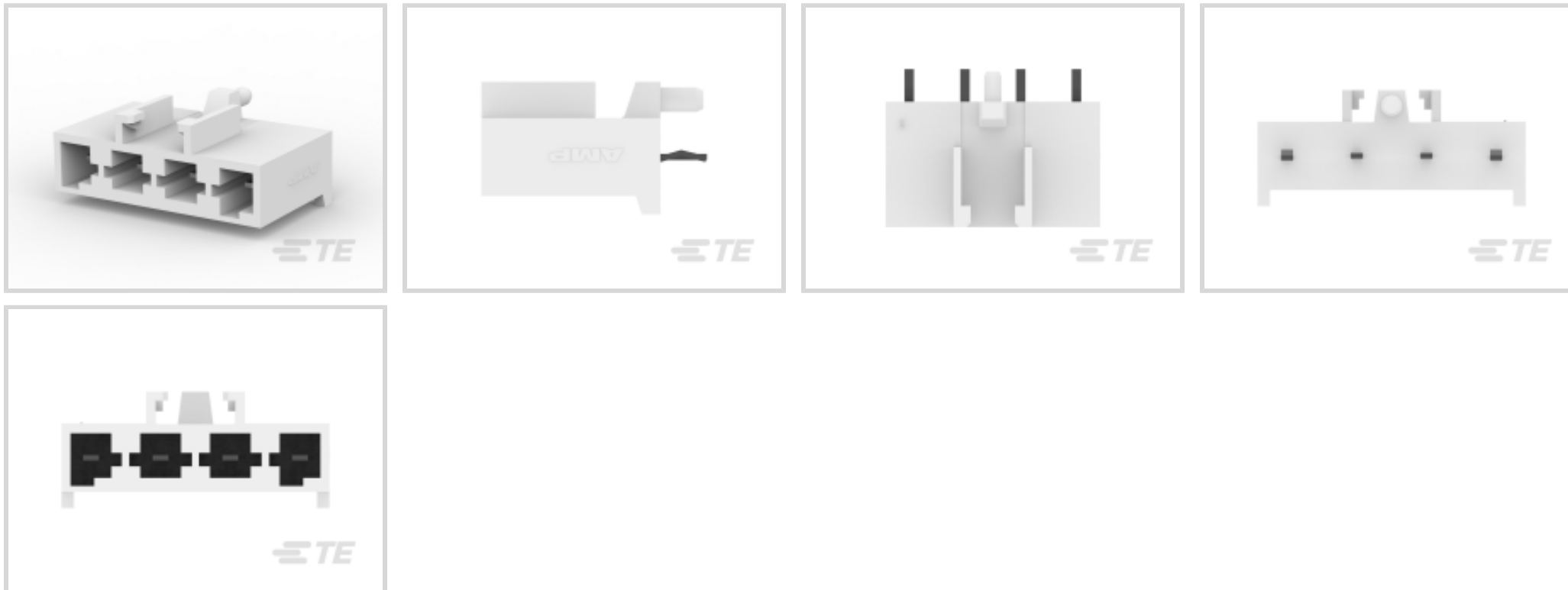
### Power Double Lock

TE Internal #: 179847-1

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 6.5 mm [256 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power Double Lock

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### 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 Columns	4
Number of Loaded Positions	4
Number of Power Positions	4



Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

### Electrical Characteristics

Operating Voltage	300 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 $\mu\text{m}$ [31.49 – 70.86 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1.5mm
Contact Mating Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Mating Tab Width	1.5 mm[.06 in]
PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

### Termination Features

Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.8 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

### Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention Type	Locking Latch
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Mating Retention	With
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Mating Alignment Type	Polarization
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PCB Mount Retention Type	Kinked
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PCB Mount Alignment Type	Boss
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PCB Mount Retention	With
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PCB Mount Alignment	With
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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	Top
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Housing Material	Nylon 6/6 GF
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Centerline (Pitch)	6.5 mm [.256 in]
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### Dimensions

Connector Width	10.8 mm [.425 in]
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PCB Thickness (Recommended)	1.6 mm [.063 in]
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Connector Height	14.6 mm [.575 in]
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Connector Length	25 mm [.984 in]
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### Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
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Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	180
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Packaging Method	Box
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### 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

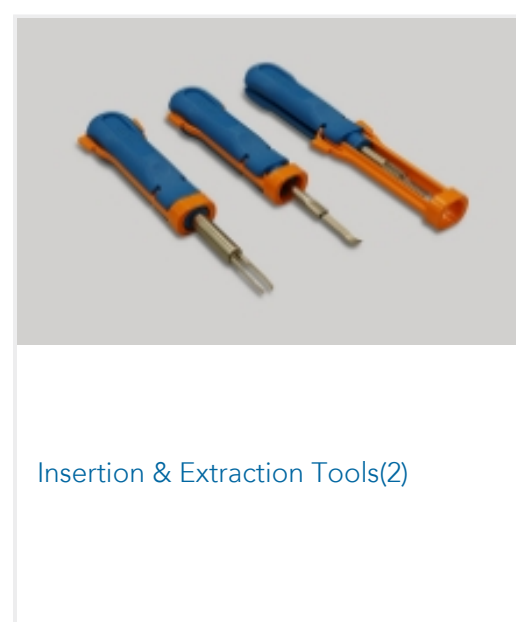
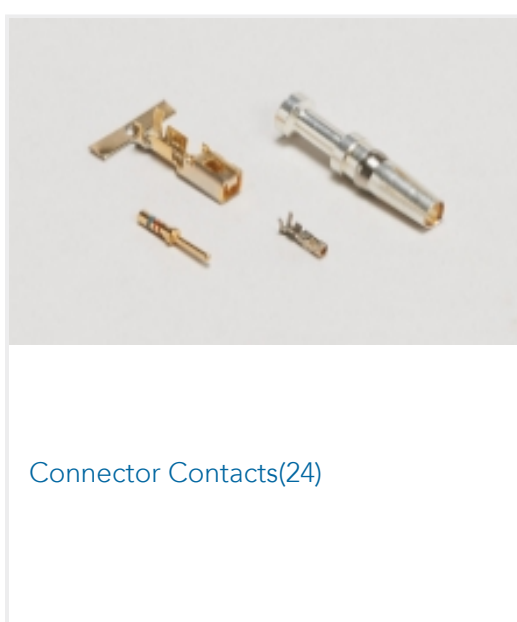
Product Compliance Disclaimer

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



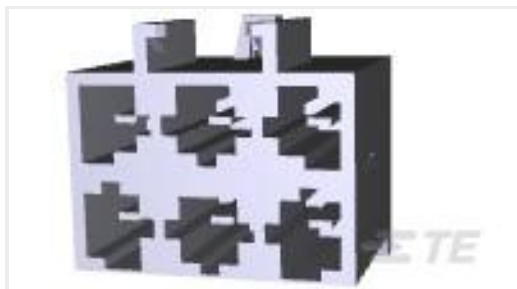
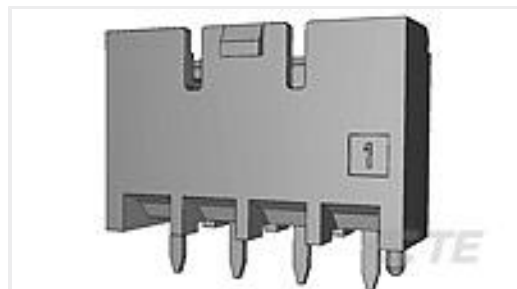
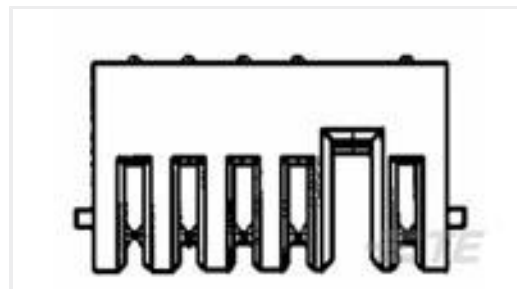
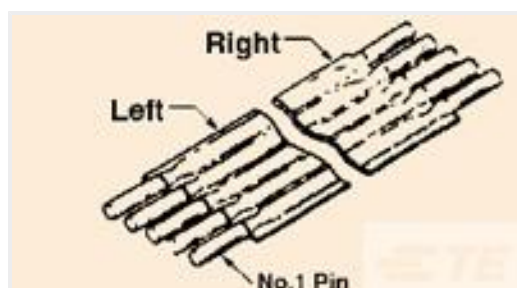
## Also in the Series | Power Double Lock





Rectangular Power Connectors(240)

## Customers Also Bought

TE Part #179849-1  
AMP POWER D/LOCK T/HDR ASSY 6PTE Part #1376385-1  
5mm B-T-W Conn. 6P HDR ASSEMBLTE Part #1473971-2  
REC ASS'Y V TYPE FOR 2.5MM PITTE Part #179838-2  
AMP POWER D/LOCK T/HDR ASSY 2PTE Part #179846-1  
AMP POWER D/LOCK T/HDR ASSY 3PTE Part #2232532-4  
4P, PL RAST 5 Tab Header, TH,VerticalTE Part #1-2232532-2  
2P, PL RAST 5 Tab Header,TH, VerticalTE Part #2-2372858-2  
2P, RAST5 P-LOCK HEADER ASSY,  
OPPOSITETE Part #2-2372858-4  
4P, RAST5 P-LOCK HEADER ASSY,  
OPPOSITETE Part #3-1437130-4  
FSN-11A-6=NOMEX FS STD

## Documents

### Product Drawings

[POWER DBL LOCK TAB V ASSY 4P](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_179847-1\\_A.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_179847-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_179847-1\\_A.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Instruction Sheets**

[Instruction Sheet \(non U.S.\)](#)

English

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

English

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**Agency Approvals**

[UL](#)

English