

178487-1

✓ ACTIVE

## AMP Universal Power

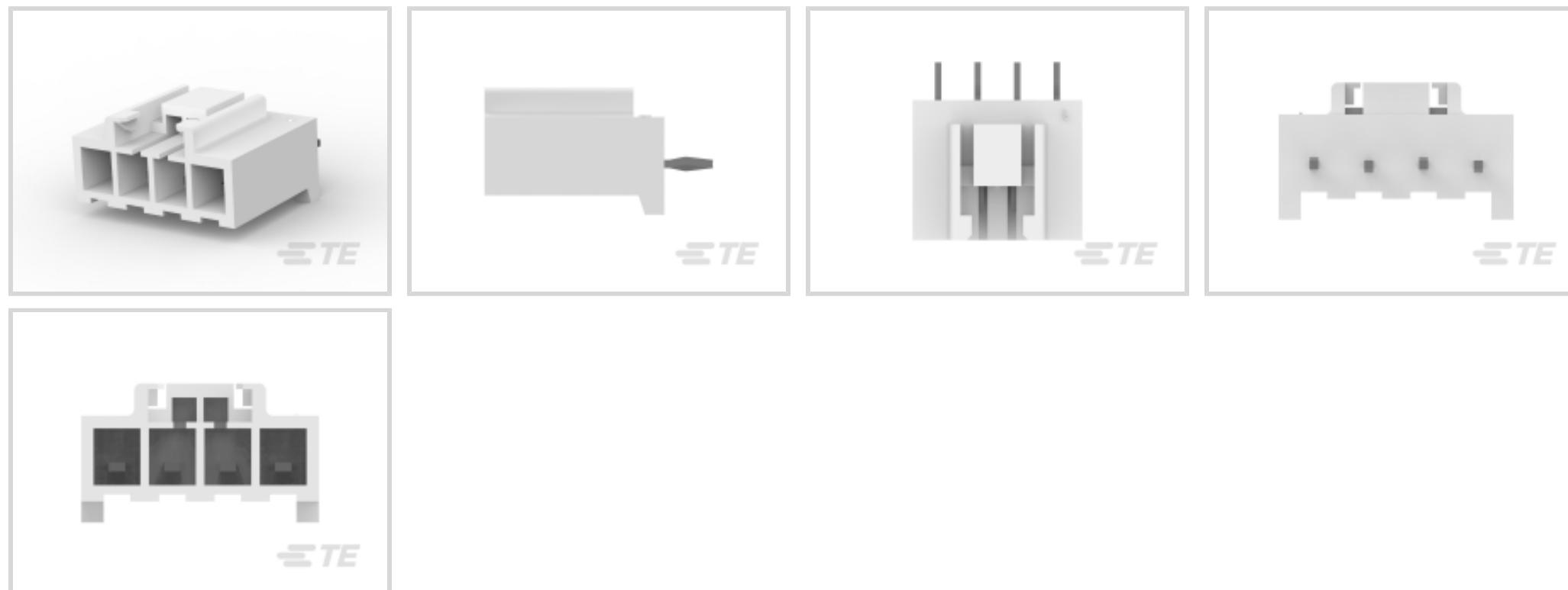
TE Internal #: 178487-1

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.96 mm [.

155 in] Centerline, Fully Shrouded, Tin (Sn), AMP Universal Power

[View on TE.com >](#)

Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical

Connector System: Wire-to-Board

Number of Positions: 4

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	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

50 VAC

**Body Features**

Primary Product Color

Natural

**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

Bright

Contact Size

1.2mm

Contact Mating Area Plating Material Thickness

1  $\mu\text{m}$ [39.37  $\mu\text{in}$ ]

Mating Tab Width

1.2 mm[.047 in]

PCB Contact Termination Area Plating Material Thickness

1  $\mu\text{m}$ [39.37  $\mu\text{in}$ ]

Contact Shape &amp; Form

Rectangular

Contact Layout

Inline

Contact Base Material

Brass

Mating Tab Thickness

.64 mm[.025 in]

PCB Contact Termination Area Plating Material

Tin

Contact Mating Area Plating Material Finish

Bright

Contact Mating Area Plating Material

Tin (Sn)

Contact Type

Tab

Contact Current Rating (Max)

10 A

**Termination Features**

Rectangular Termination Post &amp; Tail Width

.64 mm[.025 in]

Rectangular Termination Post &amp; Tail Thickness

.64 mm[.025 in]

Termination Post &amp; Tail Length

3.8 mm[.15 in]

Termination Method to PCB

Through Hole - Solder

**Mechanical Attachment**

Panel Mount Feature

Without

Mating Retention Type

Locking Latch

Mating Retention

With

PCB Mount Retention Type

Kinked

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

#### Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	3.96 mm [.155 in]

#### Dimensions

Connector Width	9.9 mm [.39 in]
PCB Thickness (Recommended)	1.6 mm [.063 in]
Connector Height	14 mm [.551 in]
Connector Length	16.98 mm [.669 in]

#### Usage Conditions

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

#### Operation/Application

Circuit Application	Power
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#### Industry Standards

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

#### Packaging Features

Packaging Quantity	250
Packaging Method	Bag

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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

Wave solder capable to 265°C

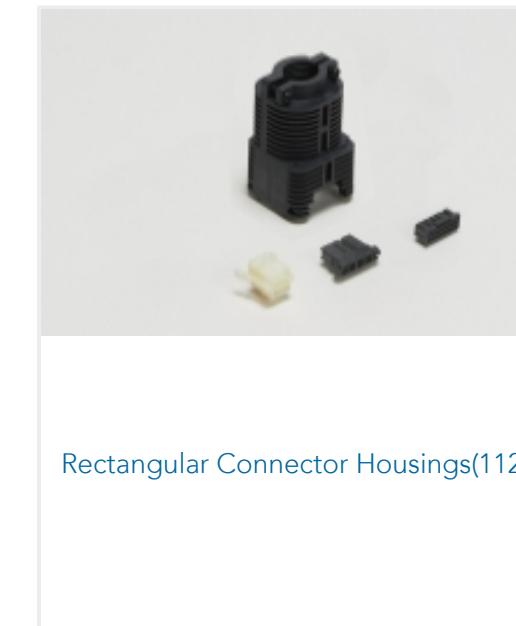
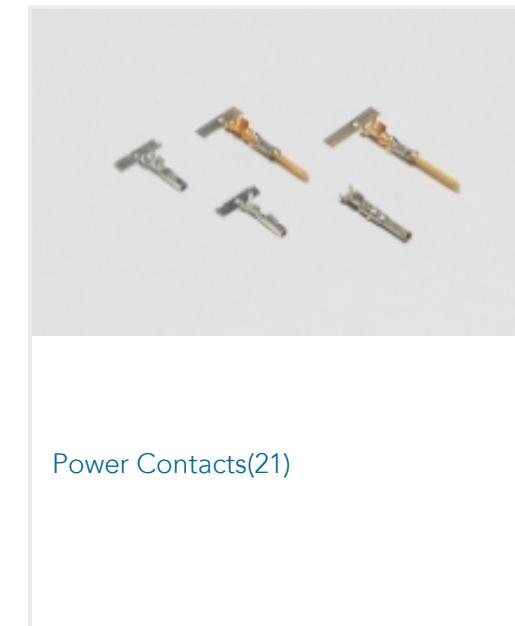
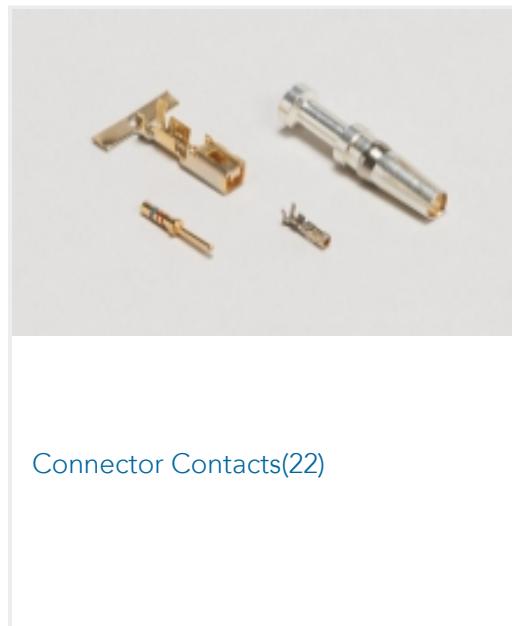
#### Product Compliance Disclaimer

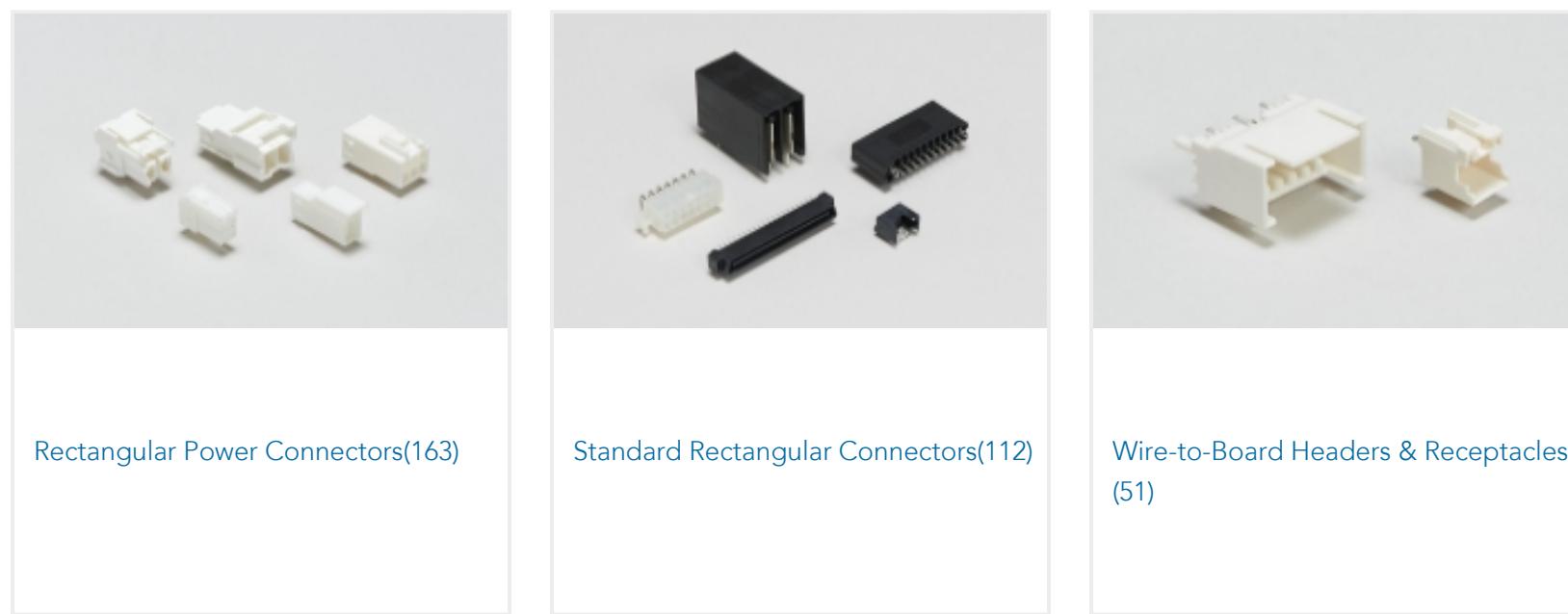
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

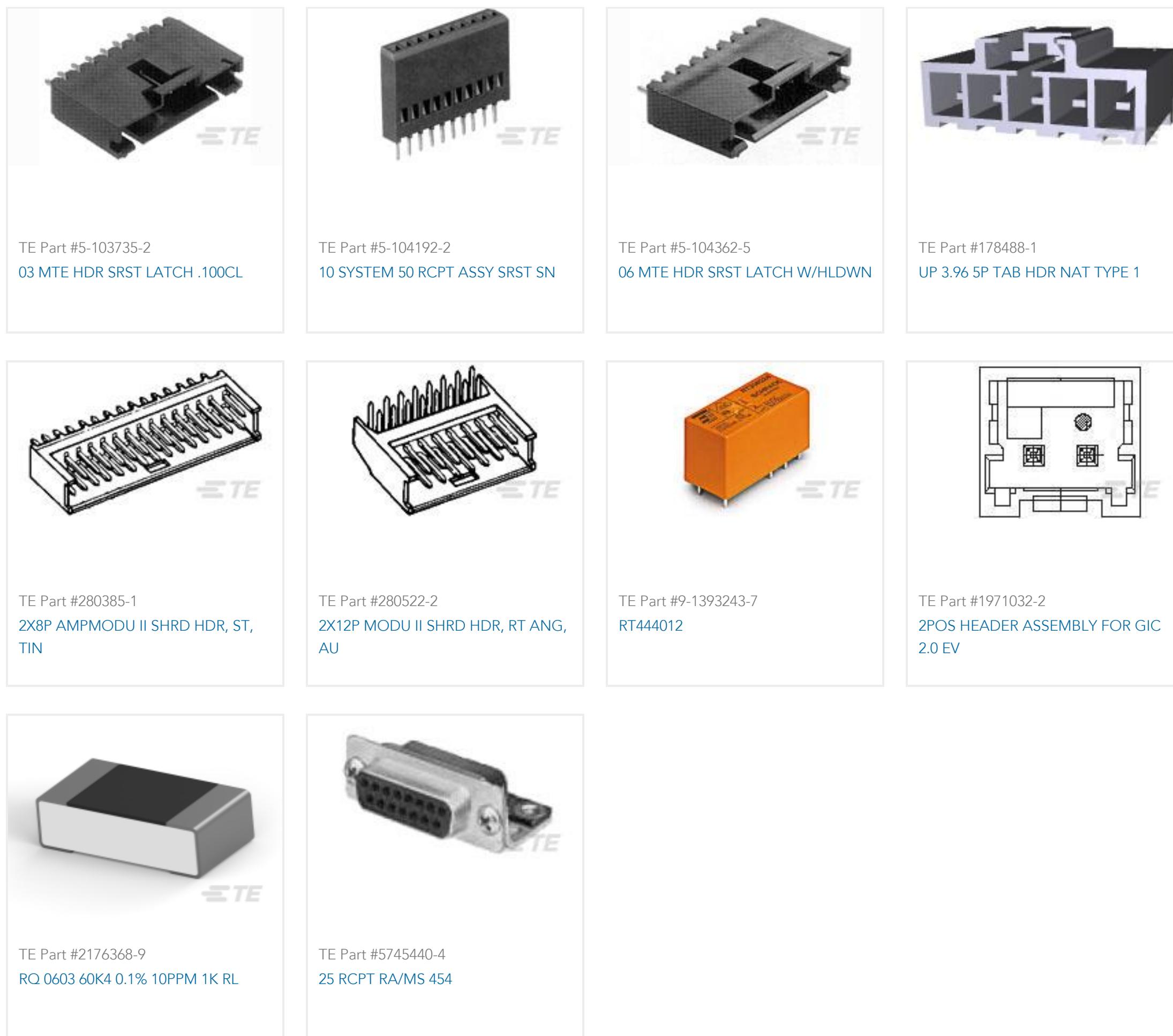


## Also in the Series | AMP Universal Power





## Customers Also Bought



## Documents

### Product Drawings

[UP 3.96 4P TAB HDR NAT TYPE 1](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_178487-1\\_F.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_178487-1\\_F.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_178487-1\\_F.3d\\_stp.zip](#)

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[3D PDF](#)

English

**Customer View Model**

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English

**Customer View Model**

[ENG\\_CVM\\_178487-1\\_E.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_178487-1\\_E.2d\\_dxf.zip](#)

English

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

## Product Specifications

[Application Specification](#)

English

## Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

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

English

## Agency Approvals

[UL Report](#)

English