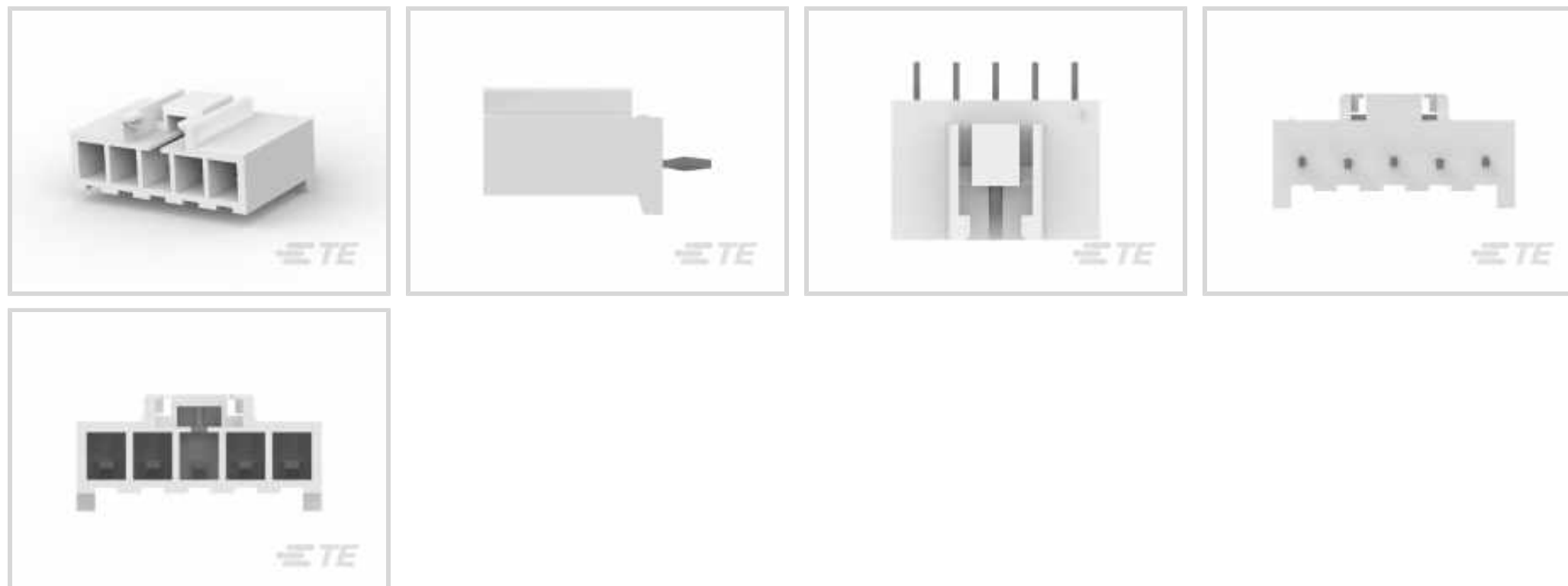




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **5**

Centerline (Pitch): **3.96 mm [.155 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
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Contact Features

Contact Current Rating (Max)	9 A
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Contact Retention Within Housing	Without
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Contact Type	Tab
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	1 μm [39.37 μin]
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	3.96 mm[.155 in]
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Housing Color	Natural
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Housing Material	Nylon 6/6 GF
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Usage Conditions

Operating Temperature Range	-30 – 105 °C, -30 – 120 °C[-22 – 221 °F][-22 – 248 °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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Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bag/Box
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Packaging Quantity	200
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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 2020 (205)
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Candidate List Declared Against: JAN 2020 (205)
Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

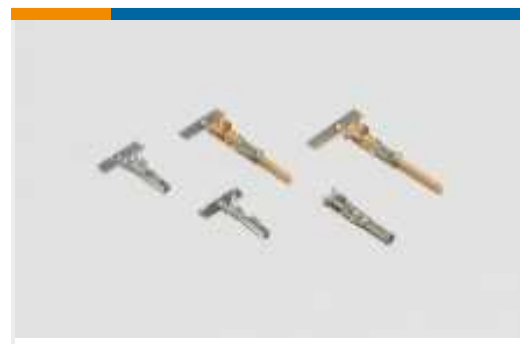
Compatible Parts



Also in the Series | **AMP Universal Power**



Connector Contacts(1)



Power Contacts(21)



Rectangular Power Connectors(178)

Customers Also Bought



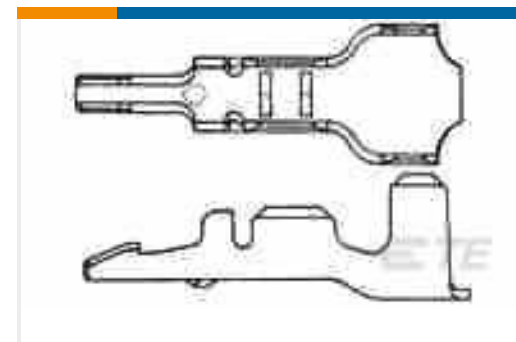
TE Model / Part #176976-1
AMP UNIVERSAL POWER PLG 3C PCB



TE Model / Part #178498-1
UP 3.96 5P TAB HDR NAT TYPE 1



TE Model / Part #172020-1
13P MINI AMPIN HEADER HSG

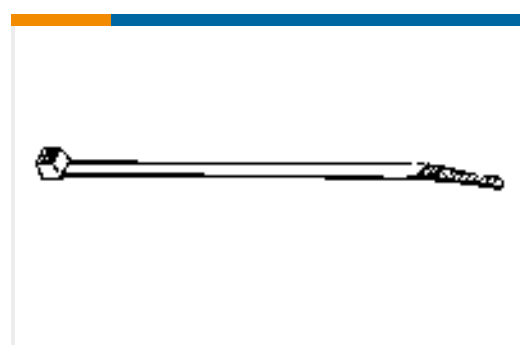


TE Model / Part #170197-2
MINI AMP-IN 24-20 AWG

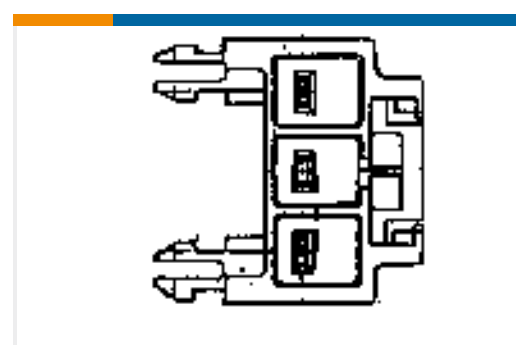


CRIMPER REPRESENTATION ONLY

TE Model / Part #1-755579-5
CRIMPER WIRE



TE Model / Part #171353-3
S-K BINDER CABLE TIE 3.2 INS



TE Model / Part #178601-4
UNIV. POWER HDR H ASSY 2P YEL.



ANVIL REPRESENTATION ONLY

TE Model / Part #1999141-2
Anvil



TE Model / Part #2-171822-6
EIS REC. HSG 6P-BLACK



ANVIL REPRESENTATION ONLY

TE Model / Part #8-752977-4
ANVIL

Documents

Product Drawings

[UP 3.96 5P TAB HDR NAT TYPE 1](#)

English

[UP 3.96 5P TAB HDR NAT TYPE 1](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_178488-1_E.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_178488-1_E.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_178488-1_E.2d_dxf.zip](#)

English

[3D PDF](#)

English

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

Product Specifications

[Product Specification](#)

Japanese

[AMP Universal Power Connector](#)

Japanese

Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

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

English

Agency Approvals

[UL Report](#)

English