

6-178842-1 ✓ ACTIVE

AMP Universal Power

TE Internal #: 6-178842-1

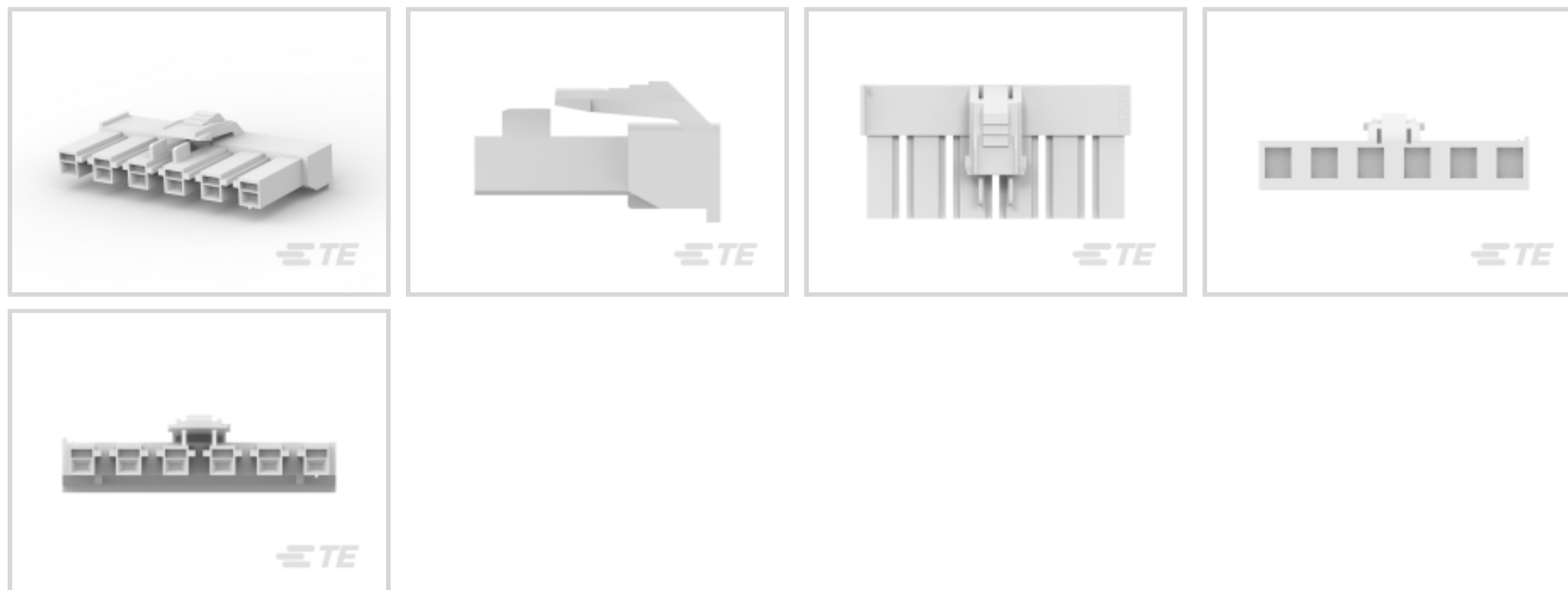
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Board, 6 Position, 6.2 mm [.244 in] Centerline, Wire & Cable,

AMP Universal Power

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **6.2 mm [.244 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
Insulation Resistance	1000 MΩ

Contact Features



Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	6.2 mm [.244 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Height	7.5 mm [.3 in]
Length	36.1 mm [1.42 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

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Packaging Method	Bag
Packaging Quantity	500

Other

For Use With	Header Assembly
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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 2022 (224) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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

 <p>TE Part # 175156-2 U/P REC CONT L/P</p>	 <p>TE Part # 175155-1 UNIV POWER REC CONT L/P</p>	 <p>TE Part # 175151-1 AMP UNIVERSAL POWER REC CONT.</p>	 <p>TE Part # 175152-1 UNIVERSAL POWER REC</p>
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TE Part # 175152-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 175151-2
AMP UNIVE. POWER CONN REC CONT



TE Part # 175155-2
U/P REC CONT L/P



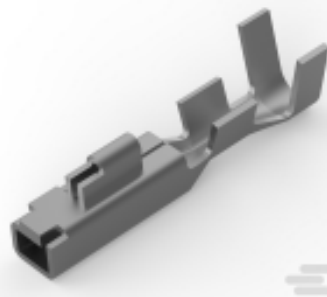
TE Part # 175156-1
UNIV POWER REC CONT L/P



TE Part # 4-178841-2
AMP U/P SGL ROW HDR ASSY V 6P



TE Part # 4-178841-1
AMP U/P SGL ROW HDR ASSY V 6P



TE Part # 175151-5
AMP UNIVERSAL POWER CONN.REC C



TE Part # 175151-4
UNIVESAL POWER REC CONT #26-22 C




TE Part # 175152-3
UNIV POWER REC CONT




TE Part # 175152-4
UNIVESAL POWER REC CONT #20-16




TE Part # 4-178841-4
AMP U/P SGL ROW HDR ASSY V 6P



TE Part # 6-178840-1
AMP U/P TAB HDG HSG V 6P




TE Part # 6-178840-2
AMP U/P TAB HDR HSG V 6P RED




TE Part # 6-178840-4
AMP U/P TAB HDR HSG V 6P BLUE


Also in the Series | AMP Universal Power




Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(21)



Rectangular Power Connectors(177)

Documents



Product Drawings

AMP U/P SGL ROW PLUG HSG 6P

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6-178842-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-178842-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-178842-1_C.3d_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_6-178842-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_6-178842-1_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_6-178842-1_B.2d_dxf.zip](#)

English

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Product Specifications

Crimping of Universal Power Contact

English

Product Specification

Japanese

AMP Universal Power Connector

Japanese

Instruction Sheets

Extraction Tool for UP(913923-1)

English

Instruction Sheet (non U.S.)

English

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)



English

[Hand Tool, PN 914181-1, Universal Power Contact \(Was IS-505J\)](#)

Japanese

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

English

[Agency Approvals](#)

[UL Report](#)

English