

176280-1 ✓ ACTIVE

AMP Universal Power

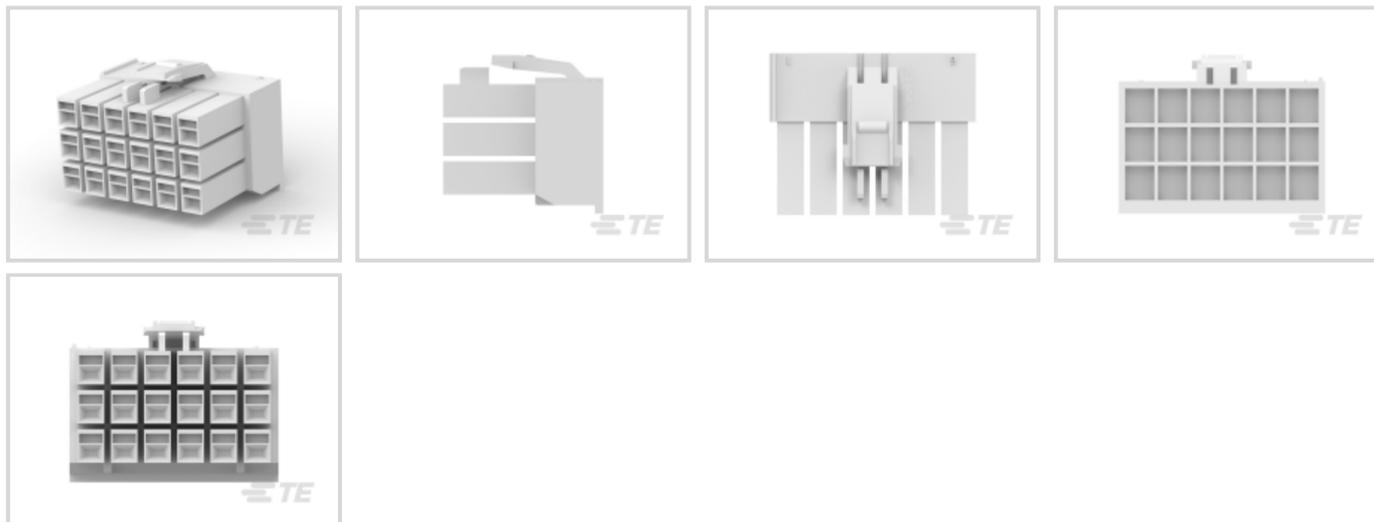
TE Internal #: 176280-1

18 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm
[.156 in] Centerline, 3 Row, 300 VAC, Wire & Cable, AMP Universal
Power

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	18
Number of Rows	3

Electrical Characteristics

Insulation Resistance	1000 M Ω
Operating Voltage	300 VAC

Body Features

Primary Product Color	Natural
-----------------------	---------



Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm [.156 in]
Housing Material	Nylon 6/6

Dimensions

Connector Height	16.3 mm [.64 in]
Connector Length	19.3 mm [.76 in]
Row-to-Row Spacing	4.6 mm [.181 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

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

Packaging Features

Packaging Quantity	500
--------------------	-----



Packaging Method

Bag

Product Compliance

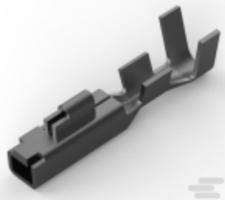
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



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



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



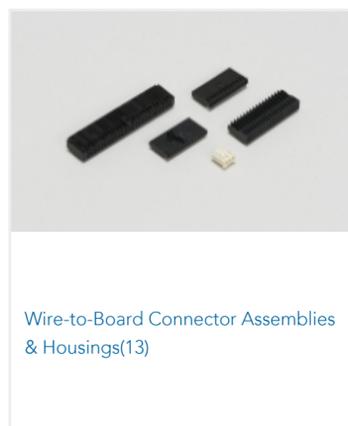
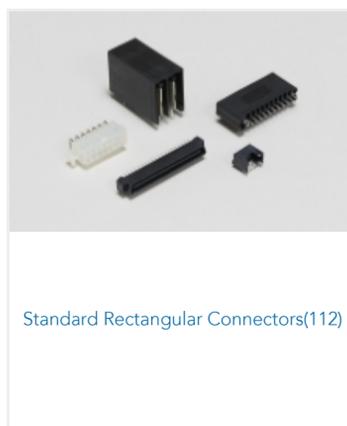
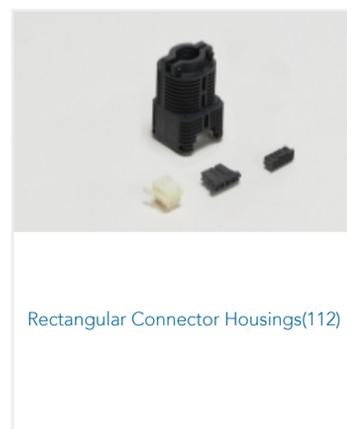
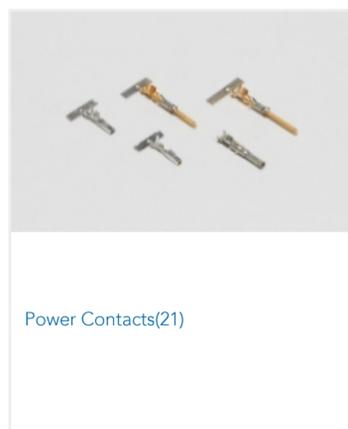
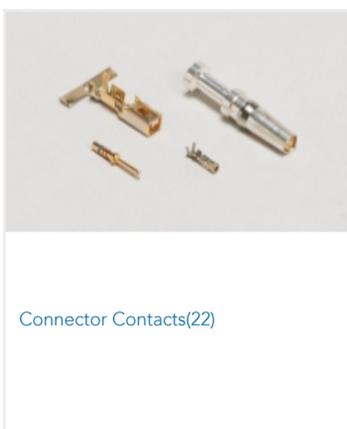
TE Part # 175152-3
UNIV POWER REC CONT



TE Part # 175152-2
AMP UNIVE. POWER CONN REC CONT



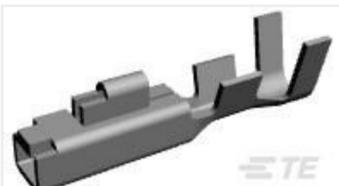
Also in the Series | **AMP Universal Power**



Customers Also Bought



TE Part #66106-8
III+ PIN,26-24,30AU/FL,STRIP



TE Part #175151-1
AMP UNIVERSAL POWER REC CONT.



TE Part #176272-1
AMP UNIVERSAL POWER PLUG 3P



TE Part #176277-1
UNIV POWER PLUG HSG 10P F/H



TE Part #176278-9
UNIV POWER PLUG HSG 12P F/H



TE Part #176279-1
UNIV POWER PLUG HSG 15P F/H



TE Part #176295-1
UNIV POWER CAP HSG 6P P/MOUNT



TE Part #176299-1
UNVI POWER CAP HSG 12P PNL MTG



TE Part #178481-1
UP 3.96 4P PLUG HSG NATRL



TE Part #280513
AMPMODU II REC. HSG, DUAL ROW,
18 POS

Documents

Product Drawings

[UNIV POWER PLUG HSG 18P F/H](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_176280-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_176280-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_176280-1_E.3d_stp.zip](#)

English

[3D PDF](#)

English



Customer View Model

[ENG_CVM_176280-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_176280-1_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_176280-1_B.2d_dxf.zip](#)

English

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

Datasheets & Catalog Pages

[1773458-5_POWER_DBL_LOCK_\(PDL\)_CONNECTORS](#)

English

Product Specifications

[Crimping of Universal Power Contact](#)

English

[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