176280-1 ✔ ACTIVE

AMP Universal Power

TE Internal #: 176280-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 18 Position, .156 in [3.96 mm] Centerline, Wire & Cable, UL 94V-0, AMP Universal Power

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **18**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Rectangular Power Connector 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

Operating Voltage	300 VAC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Matrix
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

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)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

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

Packaging Quantity	500

Other

For Use With	Cap Housing

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 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

Compatible Parts

TE Part # 176291-1
UNIV POWER CAP HSG 18P F/H

TE Part # 175156-2
U/P REC CONT L/P

TE Part # 175155-1
UNIV POWER REC CONT L/P

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

TE Part # 175152-1
UNIVERSAL POWER REC

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 # 176301-1
UNVI POWER CAP HSG 18P PNL MTG

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

TE Part # 176291-9
UNIV POWER CAP HSG 18P F/H

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

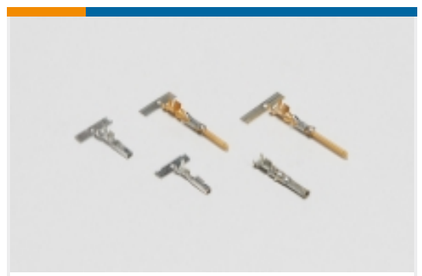
TE Part # 175152-3
UNIV POWER REC CONT

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

Also in the Series | AMP Universal Power

Connector Contacts(1)

Insertion & Extraction Tools(1)



Power Contacts(21)

Rectangular Power Connectors(177)

Customers Also Bought

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

TE Part #176275-1
UNIV POWER PLUG HSG 8P F/H

TE Part #176276-1
AMP UNIVERSAL POWER PLUG 9P

TE Part #1747365-1
DYNAMIC D-2800 REC HSG 30P WITH HTS CONN

TE Part #176286-1
UNIV POWER CAP HSG 8P F/H

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

TE Part #176289-1
UNIV POWER CAP HSG 12P F/H

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

TE Part #4-1971783-2
PTL RECEPT CONTACT LP, 16-19 AWG, 2X22

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

Product Specifications

Crimping of Universal Power Contact

English

Product Specification

Japanese

AMP Universal Power Connector

Japanese

Product Environmental Compliance

MD_176280-1_01212015216_dmtec

English

MD_176280-1_01212015216_dmtec

English

Instruction Sheets

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English