178480-1 ✔ ACTIVE

AMP Universal Power

TE Internal #: 178480-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 6 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-0, AMP Universal Power

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	6
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 Retention Within Housing	Without
Contact Type	Tab

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

Height	8.4 mm[.33 in]
Length	29 mm[1.14 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	Plug Housing

Product Compliance

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: JUNE 2022 (224) 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

reach

Compatible Parts



TE Part # 178483-1
UP 3.96 6P PLUG HSG NATRL



TE Part # 175149-1
UNIVERSAL POWER CONN TAB



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 # 175150-1
UNIVERSAL POWER CONN TAB



TE Part # 175149-2
AMP UNIVE. POWER CONN TAB CONT



TE Part # 175150-2
AMP UNIVE. POWER CONN TAB CONT



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



TE Part # 175153-2
U/P TAB CONT L/P



TE Part # 175154-1
UNIV POWER TAB CONT L/P



TE Part # 175154-2
U/P TAB CONT L/P



TE Part # 175153-1
UNIV POWER TAB CONT L/P



TE Part # 175149-3
AMP UNIVERSAL POWER CONN.TAB C



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



TE Part # 178483-4
UP 3.96 6P PLUG HSG YELLOW

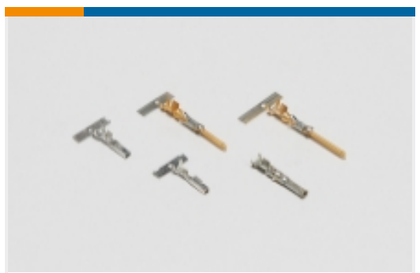
Also in the Series | AMP Universal Power



Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(21)



Rectangular Power Connectors(177)

Documents

Product Drawings

AMP UP CAP HSG F/H 6P NATURAL

English

AMP UP CAP HSG F/H 6P NATURAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_178480-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_178480-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_178480-1_O.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_178480-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_178480-1_O.3d_stp.zip

English

Customer View Model

ENG_CVM_178480-1_O.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

AMP UNIVERSAL POWER CONNECTOR SERIES

English

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English