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Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **7**

Centerline (Pitch): **11.18 mm [.44 in]**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Shape & Form	Dual Beam
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	35 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]

Termination Features

Termination Post & Tail Length	4.9 mm[.193 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Ears
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	11.18 mm[.44 in]
Housing Color	Black
Housing Material	Polyphenylene Sulfide (PPS)

Dimensions

Connector Height	12.7 mm[.5 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Product Width	19.3 mm[.76 in]
Product Length	102.54 mm[4.04 in]



Usage Conditions

Operating Temperature Range	0 – 105 °C[32 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
Packaging Method	Box

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 556879-7
PLUG HSG,AMPINNERGY WTB,7 POS

Customers Also Bought

TE Part #DT04-3P-CE01
DEUTSCH DT Receptacle Connectors

TE Part #DTM04-6P-E005
REC, 6P, BLK, N, CAP

TE Part #3-647002-2
02P MTA100 PSTD CONN ASSY LF

TE Part #641964-1
02P UMNL PIN HDR ASSY POL 94VO

TE Part #643408-1
06P UMNL PIN HDR ASSY POL 94VO

TE Part #641976-1
15P UMNL PIN HDR ASSY POL 94VO

TE Part #641974-1
12P UMNL PIN HDR ASSY 94VO

TE Part #DT13-24PAB-R015
DEUTSCH DT Headers

Documents

Product Drawings

RCPT ASY,VRT,AMPINRGY WTB,7POS

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_556881-7_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_556881-7_D.3d_igs.zip

English

Customer View Model



ENG_CVM_556881-7_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

1654742_HOUSEHOLD_APPLIANCES_RAST5

English

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English