

556881-7 ✓ ACTIVE

AMPINNERGY

TE Internal #: 556881-7

PCB Mount Receptacle, Vertical, Wire-to-Board, 7 Position, 11.18 mm [.44 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, Black

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	7
Number of Loaded Positions	7
Number of Power Positions	7
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	7
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Number of Rows	1
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Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1.27 μm [50 μin]
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	3.81 μm [150 μin]
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Contact Shape & Form	Dual Beam
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PCB Contact Termination Area Plating Material Thickness	3.81 μm [150 μin]
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Contact Layout	Inline
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Tab
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Contact Current Rating (Max)	30 A
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Termination Features

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

Panel Mount Feature	Without
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Mating Retention Type	Locking Tab
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Mating Retention	With
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Mating Alignment Type	Polarization
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PCB Mount Retention Type	Mounting Ears
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PCB Mount Alignment Type	Polarization
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PCB Mount Retention	With
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PCB Mount Alignment	With
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Housing Features

Mating Entry Location	Top
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Housing Material	Polyphthalamide
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Centerline (Pitch)	11.18 mm [.44 in]
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Dimensions

Connector Width	12.73 mm [.501 in]
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PCB Thickness (Recommended)	1.57 – 3.18 mm [.062 – .125 in]
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Connector Height	14.43 mm [.568 in]
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Connector Length	102.49 mm [4.035 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	100
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Packaging Method	Box
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247)
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Candidate List Declared Against: JAN 2025 (247)

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 #1-2176331-9
CRGP 2512 330R 1%



TE Part #5767054-1
MICT,RECPT,38,ASSY,PDNI



TE Part #DT13-24PAB-R015
HDR, 24P, BLK, RA EEC, NI/CU, AB



TE Part #DRC22-50P02
HDR, 50P, BLK, ST, AU/NI/CU, 02



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