# 1-640510-0 ACTIVE

#### AMP | AMP CAP

TE Internal #: 1-640510-0

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 6 Position, 4.2 mm [.165 in] Centerline, Wire &

Cable, AMP CAP

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Housing

Connector & Housing Type: Receptacle

Connector System: Wire-to-Panel, Wire-to-Wire

Number of Positions: 6

Centerline (Pitch): 4.2 mm [ .165 in ]

#### **Features**

#### **Product Type Features**

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	6
Number of Rows	3
Electrical Characteristics	
Operating Voltage	250 VDC
Contact Features	

9 A

Contact Current Rating (Max)



Contact Retention Within Housing	With
Contact Type	Pin
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Panel Mount Feature	Without
Connector Mounting Type	Panel Mount
Mating Retention	With
Mating Retention Type	Positive Lock
Housing Features	
Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Black
Housing Material	PA 66
Dimensions	
Wire Size	.12 – .8 mm²
Row-to-Row Spacing	4.19 mm[.165 in]
Width	21.34 mm[.84 in]
Accepts Wire Insulation Diameter Range	2.92 mm[.115 in]
Height	7.37 mm[.29 in]
Length	26.92 mm[1.06 in]
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189



#### **Packaging Features**

Packaging Method	Box
Packaging Quantity	1200

### **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: JUNE 2022 (224) 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

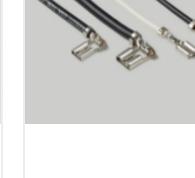
## Compatible Parts



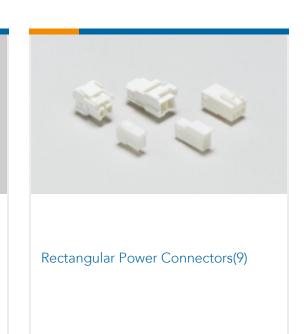
Also in the Series | AMP CAP







Quick Disconnects(1)



PCB Terminals(2)

**Documents** 

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**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-640510-0\_AD.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-640510-0\_AD.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-640510-0\_AD.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_1-640510-0\_D.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_1-640510-0\_D.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_1-640510-0\_D.2d\_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

#### Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

#### **Product Specifications**

**Application Specification** 

English

**Product Environmental Compliance** 

MD\_1-640510-0\_1031201771\_dmtec

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Panel, 6 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, AMP CAP



English

MD\_1-640510-0\_1031201771\_dmtec

English

**Instruction Sheets** 

Instruction Sheet (U.S.)

English

AMP\* MINIATURE RECTANGULAR II (MRII) CONNECTORS

English

Agency Approvals

Agency Approval Document

English