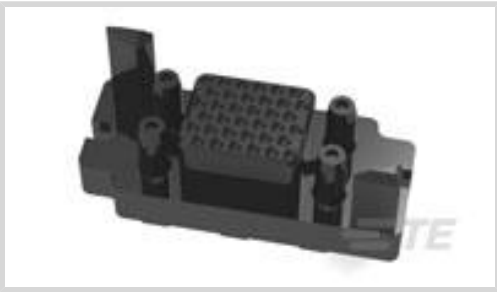




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Sealable: **No**

UL Flammability Rating: **UL 94V-0**

Contact Current Rating (Max): **35 A**

Features

Product Type Features

|                                  |                    |
|----------------------------------|--------------------|
| Rectangular Power Connector Type | Connector Assembly |
| Connector & Housing Type         | Receptacle         |
| Sealable                         | No                 |

Configuration Features

|                           |          |
|---------------------------|----------|
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 4        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Contact Features

|                                  |        |
|----------------------------------|--------|
| Contact Current Rating (Max)     | 35 A   |
| Contact Retention Within Housing | With   |
| Contact Type                     | Socket |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Wire & Cable          | Crimp                 |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|



Housing Features

|                  |       |
|------------------|-------|
| Housing Color    | Black |
| Housing Material | PBT   |

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -40 - 105 °C |
|-----------------------------|--------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2021 (211)<br>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

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 # 1648132-1  
235-0162-01100=SA CONN,PIN

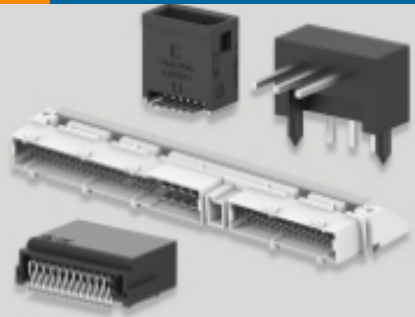
Also in the Series | AMP-METRIMATE



Card Edge Power Connectors(1)



Connector Hardware(1)



PCB Headers & Receptacles(3)



Rack & Panel Connectors(1)



Rectangular Power Connectors(9)



RJ45 Connectors(45)



SO DIMM Sockets(12)

Customers Also Bought



TE Part # 1-353082-2  
Header Assembly: Wire-to-Board, 20-45A, 250-630V



TE Part # 1888247-1  
20 POS SMT CONN, SFP/SFP+, 30A



TE Part # 6469001-1  
HM-ZD 4PR RECP 80P



TE Part # 1-770182-0  
09P MINI-UMNL ASSY V0 SNNI



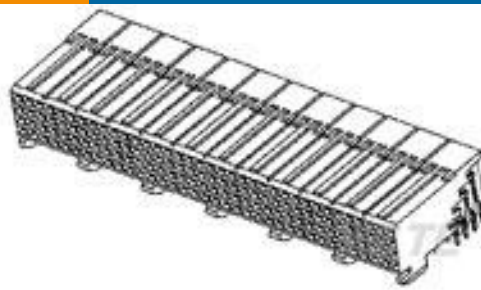
TE Part # 6469028-1  
HM-ZD 2PR RECP 40P



TE Part # 7-1393114-2  
KUHP-11DT1-12=KU



TE Part # 2-2176341-3  
CRGCQ 0805 680R 1%



TE Part # 5536511-4  
2MM FB,ASY,192,SIG,REC,EN,3.55



Documents

Product Drawings

235-0163-01100=CONN,SKT.SQR DWR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1648133-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1648133-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1648133-1\_B.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

AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7

English

Product Specifications

Product Specification

English