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Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Cable, Cable-to-Panel**

Number of Positions: **28**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

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

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Positions        | 28 |
| Number of Power Positions  | 28 |
| Number of Signal Positions | 28 |
| Number of Rows             | 4  |

Electrical Characteristics

|                   |          |
|-------------------|----------|
| Operating Voltage | 1800 VDC |
|-------------------|----------|

Contact Features

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 13 A |
|------------------------------|------|



|                                  |        |
|----------------------------------|--------|
| Contact Retention Within Housing | With   |
| Contact Type                     | Socket |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| Panel Mount Feature      | With        |
| Panel Mount Feature Type | Screw Mount |
| Connector Mounting Type  | Panel Mount |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color      | Black           |
| Housing Material   | Phenolic        |

Dimensions

|                    |                         |
|--------------------|-------------------------|
| Connector Height   | 65.91 mm[2.595 in]      |
| Product Width      | 28.19 mm[1.11 in]       |
| Product Length     | 28.45 mm[1.12 in]       |
| Wire Size          | .05 – 2 mm <sup>2</sup> |
| Row-to-Row Spacing | 6.35 mm[.25 in]         |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

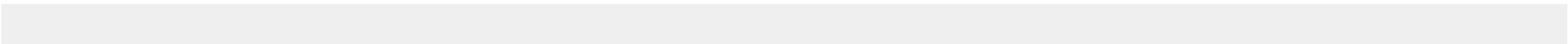
|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 2023 (233)<br>Candidate List Declared Against: JAN 2023 (233)<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                     | Wave solder capable to 265°C                                                                                                  |

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 M Series](#)



Board-to-Board Jumpers & Shunts(7)



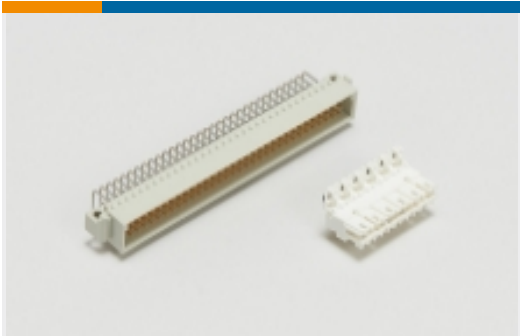
Rack & Panel Connectors(1)



Rectangular Connector Hardware(51)



Rectangular Power Connectors(66)



Standard Edge Connectors(2)

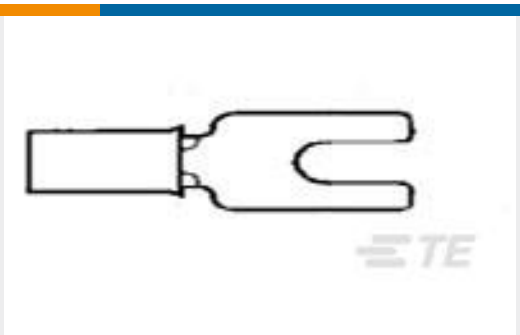
Customers Also Bought



TE Part #211767-2  
17-9 CPC RECEPT



TE Part #201089-4  
SERIES "M" JACKSCREW SOCKET ASS



TE Part #2-327735-1  
PG SPD 22-16 COMM 22-18 MIL 6



TE Part #201501-1  
SPIROL PIN



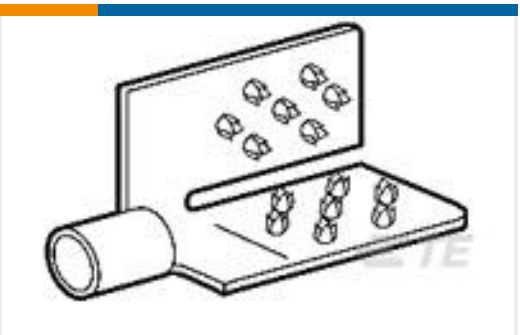
TE Part #207234-1  
UNASSM JS KIT,M SERIES



TE Part #329966  
SOLIS R 22-16COMM 22-18MIL 1/2



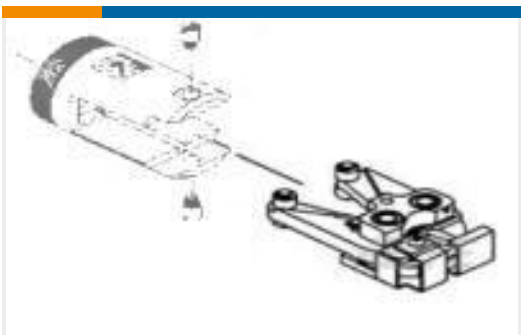
TE Part #2-1393117-9  
KUP-11A55-120=KU



TE Part #1-330716-3  
TERMINAL,TERMI-FOIL 12-10



TE Part #201047-2  
SERIES "M" ST. STL. GUIDE SOC.



TE Part #189444-1  
1210 COPALUM

Documents



Product Drawings

SOC. BLOCK 28 POS. SPL.

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_205690-2\_M.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_205690-2\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_205690-2\_M.3d\_igs.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English