

1645498-5 ✓ ACTIVE

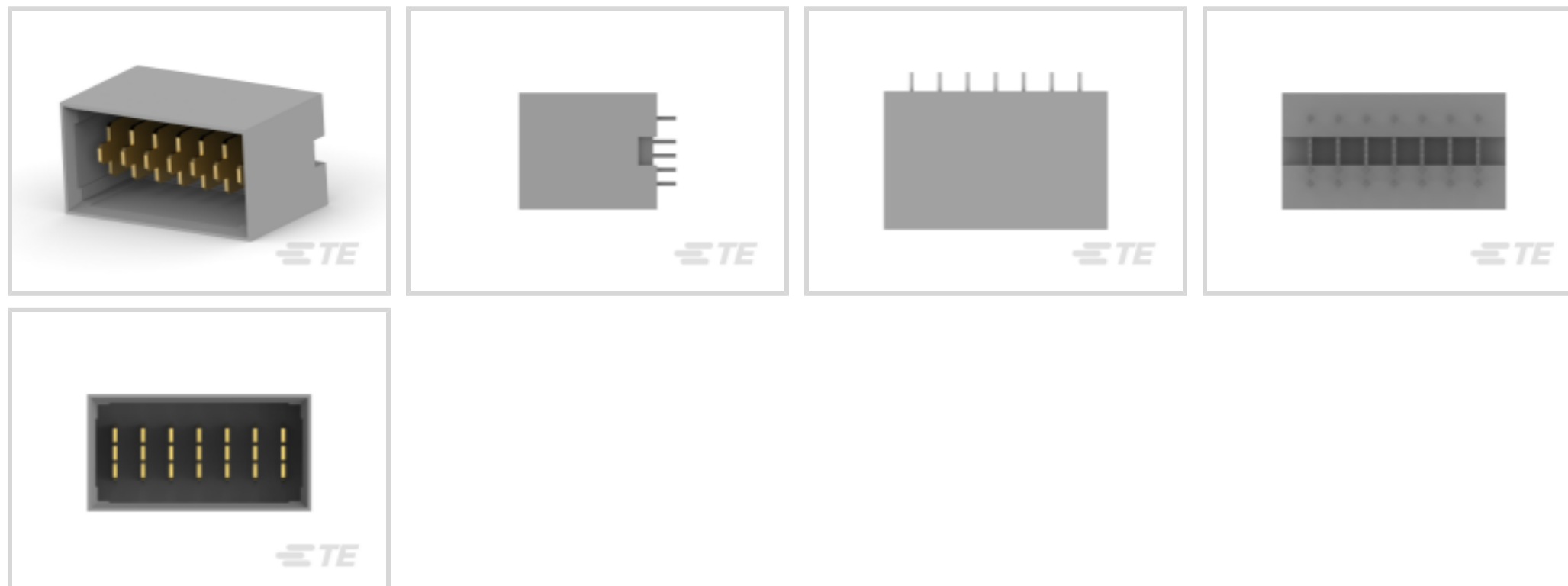
TE Internal #: 1645498-5

Rectangular Power Connectors, Header, Plug, Board-to-Board, 7  
Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **7**

Centerline (Pitch): **3 mm [ .118 in ]**

## Features

### Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	7
Interface Type	2mm HM
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Signal Positions	0
Number of Rows	1

### Electrical Characteristics

Operating Voltage	48 VDC
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### Contact Features



Contact Base Material	High Conductivity Copper Alloy
Contact Current Rating (Max)	16 A
Contact Retention Within Housing	With
Contact Type	Blade
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Gray
Housing Material	PBT GF

### Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

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

### Packaging Features

Packaging Method	Box & Tube, Tube
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2021 (211)



Candidate List Declared Against: JAN 2021 (211)

Does not contain REACH SVHC

Halogen Content

Not Yet Reviewed for halogen content

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 # 120953-4  
UPM EXPANDED RCPT ASSEMBLY

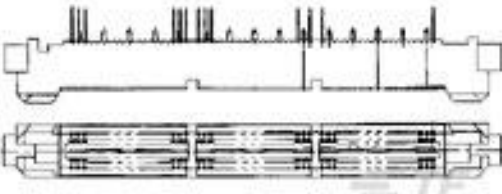
### Customers Also Bought



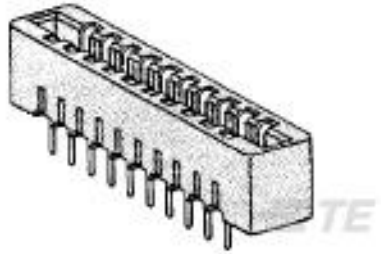
TE Part #5100785-1  
Hard Metric Male Connector:  
Traditional Backplane, Mezzanine,  
2mm



TE Part #3-2176389-2  
RQ 1206 226R 0.1% 10PPM 5K RL



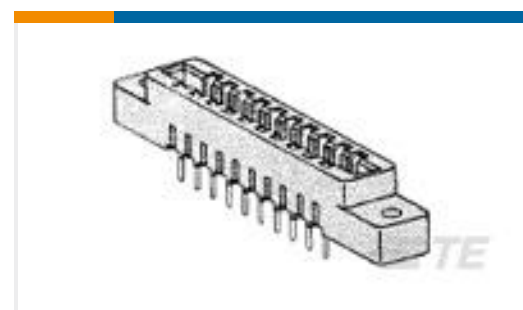
TE Part #5767039-6  
MICTOR, RA PLUG, 228, 093PCB, ASY



TE Part #7-530666-6  
CONN LOW PRO 22 POS 156X200C/L



TE Part #1879621-4  
H4P 13R 1% 50PPM



TE Part #7-530655-1  
CONN LOW PRO 6 POS 15X200C/L



TE Part #YMC8016-W-11-02SN0  
ARINC 801, TYPE 1 PLUG  
CONNECTOR



TE Part #6643431-1  
ICCON,PIN,ASSY



TE Part #2-1618405-0  
CAP200ARANA=CONTACTOR SPST-  
NO 28V



TE Part #1618382-9  
CAP200A1ANA=RELAY SPST-NO 12V

## Documents

### Product Drawings

[UNV,PWR,MDL.7 POS. VERT.HDR,15MM STACK](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1645498-5\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1645498-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1645498-5\\_A.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\\_SEC01\\_BOARD\\_TO\\_BOARD](#)

English

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

### Product Specifications

[Engineering Report](#)

English

1645498-5

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