



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **42**

Centerline (Pitch): **4.11 mm [.162 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 by Circuit Application	36+6
Number of Positions	42
Number of Power Positions	6
Number of Signal Positions	36
Number of Rows	5

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features



Multiple Contact Types	With
Contact Current Rating (Max)	23 A
Contact Retention Within Housing	With
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	4.11 mm[.162 in]
Housing Color	Black
Housing Material	Phenolic

Dimensions

Wire Size	.05 – 2 mm²
Row-to-Row Spacing	3.43 mm[.135 in]
Height	65.86 mm[2.593 in]
Length	23.24 mm[.915 in]
Width	19.05 mm[.75 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Method	Carton
Packaging Quantity	70

Other

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For Use With	Standard 50 Position Hardware
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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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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)



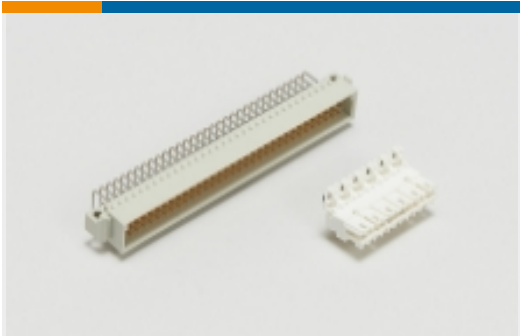
Rack & Panel Connectors(1)



Rectangular Connector Hardware(52)



Rectangular Power Connectors(69)



Standard Edge Connectors(2)

Customers Also Bought



TE Part #66105-4
III+ SKT,24-20,30AU/FL,LP



TE Part #200333-1
CONTACT SOC. ASSY.



TE Part #5787395-5
50 50SR R/A RCPT ASSY,RDSN L/F



TE Part #1625854-4
1206 PROBE PAD



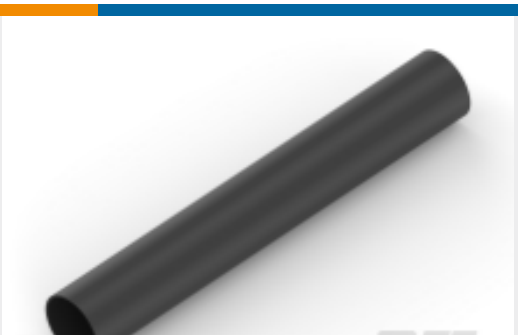
TE Part #1-201046-2
SERIES "M" MIN RECT GUIDE PIN



TE Part #169341-1
HANDTOOL (HD-20)



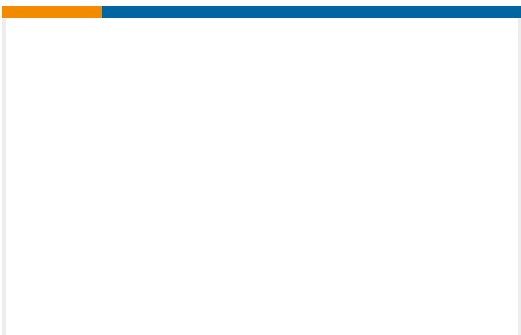
TE Part #202516-3
42 POS. FEMALE RECP. BLOCK



TE Part #NB08192001
HTAT-8/2-0-STK



TE Part #5-1634506-1
BNC Str PCB Skt 50Ohm Nickel Pltd 19.8



TE Part #170242-1
TYPE-3 1.57DIA PIN ASSY L/P

Documents



Product Drawings

42 POS FEM RECP BLOCK

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_202516-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_202516-1_H.3d_stp.zip

English

Customer View Model

ENG_CVM_202516-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_202516-1_AB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_202516-1_AB.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_202516-1_AB.2d_dxf.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

Instruction Sheets

Instruction Sheet (U.S.)

English

ASSEMBLY INSTRUCTIONS FOR AP* 42 POSITION SERIES "M" CONNECTORS

English

Instruction Sheet (U.S.)

English

LATCHING SHIELD AND PIN HOOD FOR 50 POSITION "M" SERIES CONNECTOR

English

Agency Approvals

Agency Approval Document

English

