



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Cable-to-Cable, Cable-to-Panel**
Contact Retention Within Housing: **With**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Cable-to-Cable, Cable-to-Panel
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Signal Positions	36
Number of Power Positions	6
Number of Positions by Circuit Application	36+6
Number of Positions	42
Number of Rows	5

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Primary Product Color	Black
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Contact Features

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

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

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

Dimensions

Row-to-Row Spacing	3.43 mm[.135 in]
Connector Width	19.05 mm[.75 in]
Connector Height	57.96 mm[2.282 in]
Wire Size	30 – 14 AWG
Connector Length	23.24 mm[.915 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

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

Packaging Features

Packaging Quantity	70
Packaging Method	Carton



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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

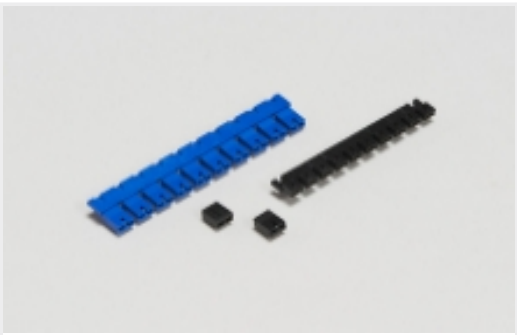
Product Compliance Disclaimer

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



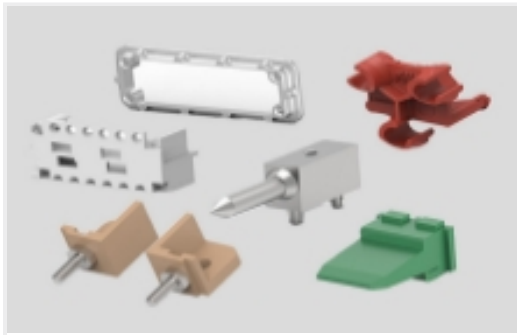
Also in the Series | AMP M Series



Board-to-Board Jumpers & Shunts(5)



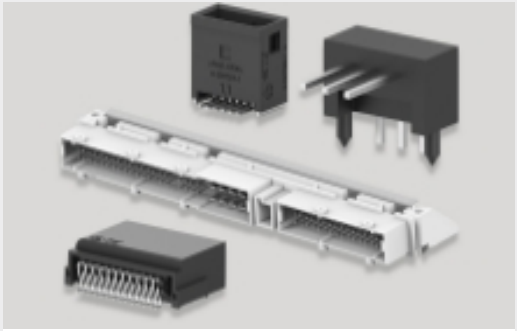
Connector Caps & Covers(14)



Connector Hardware(47)



Connector Strain Relief(13)



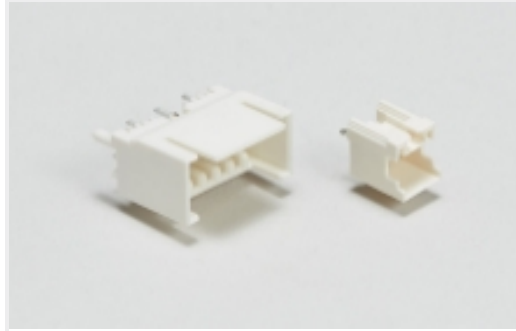
PCB Headers & Receptacles(9)



Rack & Panel Connectors(1)



Rectangular Power Connectors(82)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #1-66103-8
III+ PIN,24-20,TIN,LP



TE Part #5-535541-8
10 MODIV VRT SR CE 100/115



TE Part #4-1437565-1
FSM4JSMA=SMT,TACTILE,PB SWITCH



TE Part #1-480303-9
03P CMNL PLUG HSG F/H BLK



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



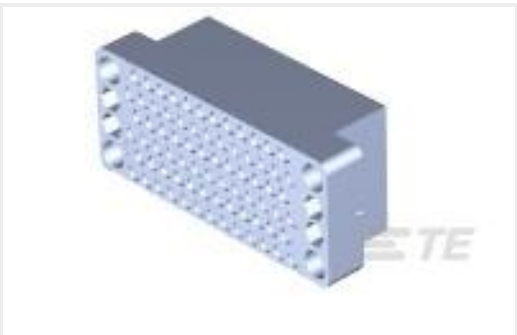
TE Part #1-66105-9
III+ SKT,24-20,TIN,LP



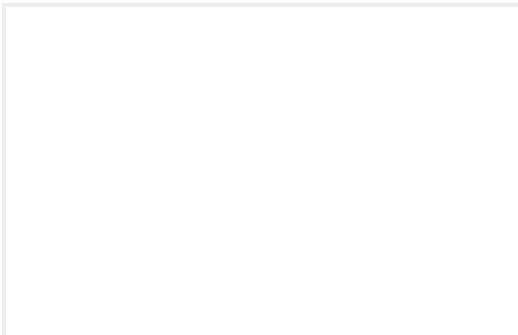
TE Part #1-66103-4
III+ PIN,24-20,30AU>10,SMPACK



TE Part #201911-1
JACKSCREW KIT



TE Part #201311-1
FEMALE BLOCK MIN. RECT.



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

Documents



Product Drawings

42 POS BLOCK

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_202515-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_202515-1_H.3d_stp.zip

English

Customer View Model

ENG_CVM_202515-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_202515-1_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_202515-1_W.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_202515-1_W.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

