



AMP | AMP M Series

TE Internal #: 202516-1

42 Position, Receptacle, Housing, Crimp, Cable-to-Cable / Cable-to-Panel, UL 94V-0, 4.11 mm [.162 in] Centerline, 5 Row, 250 VAC, AMP M Series

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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	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 Rows	5
Number of Power Positions	6
Number of Signal Positions	36

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features



Primary Product Color	Black
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Contact Features

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

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

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

Connector Width	19.05 mm [.75 in]
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Connector Height	65.86 mm [2.593 in]
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Connector Length	23.24 mm [.915 in]
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Row-to-Row Spacing	3.43 mm [.135 in]
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Wire Size	.05 – 2 mm ²
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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
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Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	70
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Packaging Method	Carton
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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](#)



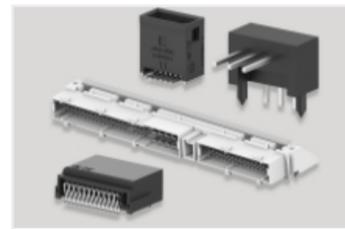
Board-to-Board Jumpers & Shunts(3)



Connector Caps & Covers(14)



Connector Strain Relief(13)



PCB Headers & Receptacles(9)



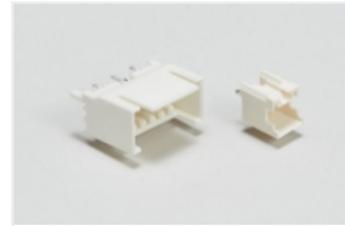
Power Contacts(51)



Rack & Panel Connectors(1)



Rectangular Power Connectors(82)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #816517-SF
RN122-3-02-4M5



TE Part #1-66601-0
III+ SKT,18-14,30AU/FL,LP



TE Part #1-200833-1
SERIES "M" GUIDE PIN ST. STL.



TE Part #1-200835-1
SERIES "M" MIN. RECT. GUIDE SOC



TE Part #201390-5
PIN HOOD 50-POS.



TE Part #202394-2
50 POS. PIN HOOD



TE Part #4-640427-2
12P MTA156 CONN ASSY 20AWG YEL



TE Part #1625889-3
2W SM M/OX 2% R47



TE Part #5745183-7
09 RCPT SP/MS STD



TE Part #1478885-2
PG EMC GLAND PG9

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

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