

3-205508-1 ✓ ACTIVE

AMP | AMP M Series

TE Internal #: 3-205508-1

AMP M Series, Rectangular Power Connectors, Connector Assembly, Receptacle, Cable-to-Panel / Cable-to-Cable, 14 Position, 3.81mm [.15in] Centerline

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **14**

Centerline (Pitch): **3.81 mm [.15 in]**

Features

Product Type Features

Rectangular Power Connector Type	Connector Assembly
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	14
Number of Power Positions	14
Number of Signal Positions	14
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Current Rating (Max)	13 A
Contact Retention Within Housing	With
Contact Type	Socket, Tab
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold



Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Termination Features

Termination Method to Wire & Cable	Wire Wrap
Wire Type	Stranded

Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
Contact Retention Type Within Housing	Locking Spring
Panel Mount Feature	With
Panel Mount Feature Type	Screw Mount
Connector Mounting Type	Panel Mount
Mating Retention	Without

Housing Features

Centerline (Pitch)	3.81 mm[.15 in]
Housing Color	Black
Housing Material	Phenolic - GF

Dimensions

Wire Size	.2 mm ²
Row-to-Row Spacing	3.3 mm[.13 in]
Height	31.75 mm[1.25 in]
Length	39.98 mm[1.574 in]
Width	11.18 mm[.44 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
Agency/Standard Number	E28476

Packaging Features

Packaging Method	Box & Tray, Tray
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Packaging Quantity	54
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Other

For Use With	Plug Assembly
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

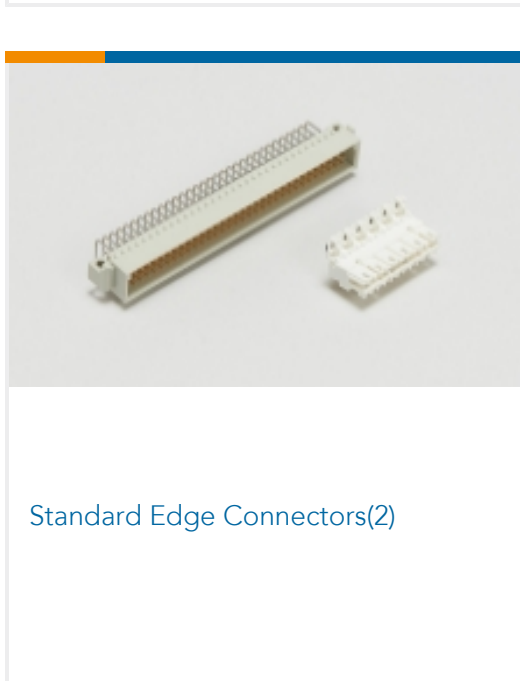
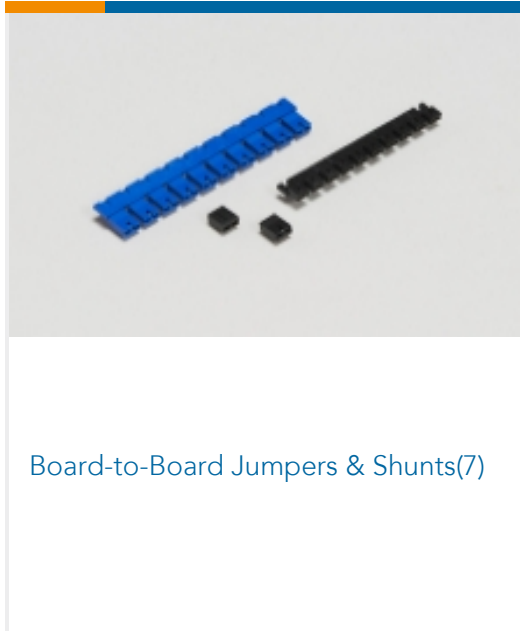
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Also in the Series | AMP M Series



Customers Also Bought





Documents

Product Drawings

[AUTOWIRE KIT \(14\) POS 25 X 25](#)

English

CAD Files

Customer View Model

[ENG_CVM_3-205508-1_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_3-205508-1_R.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_3-205508-1_R.2d_dxf.zip](#)

English

3D PDF

English

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

[6, 14, 20 AND 41 POSITION SERIES "M" CONNECTORS](#)

English