

5-102694-1 ✓ ACTIVE

## AMPMODU

TE Internal #: 5-102694-1

Standard Rectangular Connectors, Connector Assembly,  
Receptacle, Mating Alignment, Polarization Mating Alignment  
Type, Insulation Displacement (IDC)

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **Without**

### Features

#### Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Insertion Force Type	High
Sealable	No
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Cavities	6
Contacts Preloaded	Yes
Number of Positions	6
Number of Rows	2

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Contact Features

Contact Layout	Matrix
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin



Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Gold
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Contact Retention Within Housing	With
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Contact Current Rating (Max)	3 A
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#### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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#### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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#### Housing Features

Housing Material	PBT
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Housing Color	Black
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Centerline (Pitch)	2.54 mm[.1 in]
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#### Dimensions

Compatible Insulation Diameter (Max)	1.27 mm[.05 in]
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Connector Height	6.1 mm[.24 in]
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Product Width	15.24 mm[.6 in]
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Product Length	7.62 mm[.3 in]
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Row-to-Row Spacing	2.54 mm[.1 in]
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Wire Size	.13 – .3 mm <sup>2</sup>
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#### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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#### Operation/Application

Shielded	No
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Circuit Application	Signal
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#### Identification Marking

Circuit Identification Feature	With
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#### Industry Standards

CSA Rating	LR 7189
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UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	410
Packaging Method	Tray

### 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 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

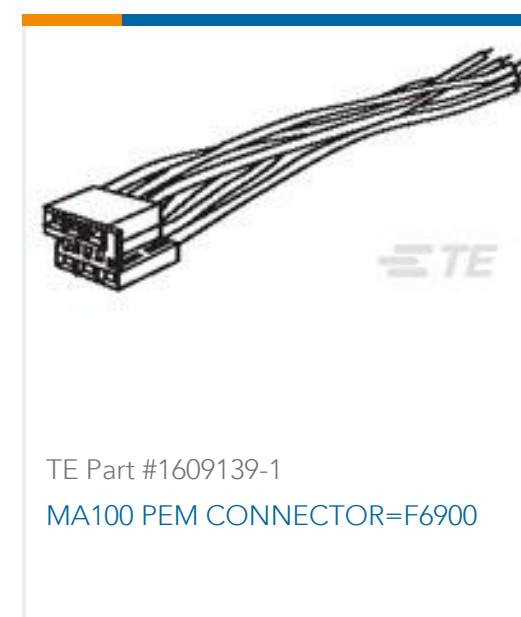
#### Product Compliance Disclaimer

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



## Customers Also Bought



## Documents

### Product Drawings

[06 ampmdu mt assy dr.sn](#)

English

### CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5-102694-1\\_P.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_5-102694-1\\_P.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5-102694-1\\_P.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

English

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### Product Specifications

[Application Specification](#)

English