

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)

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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

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle
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
Number of Positions	6
Number of Rows	2
Panel Gasket	Without

Electrical Characteristics

Operating Voltage	350 VDC
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Contact Features

Contact Layout	Matrix
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Current Rating (Max)	3 A

Termination Features

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

Panel Mount	No
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Height	6.1 mm[.24 in]
Length	7.62 mm[.3 in]
Width	15.24 mm[.6 in]
Insulation Diameter (Max)	1.27 mm[.05 in]
Wire Size	.13 – .3 mm ²
Row-to-Row Spacing	2.54 mm[.1 in]

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

Agency/Standard	CSA, UL
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UL Rating	Recognized
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CSA File Number	LR 7189
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UL File Number	E28476
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CSA Rating	LR 7189
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	410
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Packaging Method	Tray
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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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



Documents

Product Drawings

[06 ampmodu 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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT](#)

English

Product Specifications

[Application Specification](#)

English