

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

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
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

Contact Retention Type Within Housing	Locking Lance
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

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

Usage Conditions

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

Shielded	No
Circuit Application	Signal

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



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL
FRAME

Customers Also Bought



TE Part #2-6609129-8
CORCOM M SERIES MULTI-FUNCTION INLET FIL



TE Part #86-030A-C
30 PSIA CABLE CONN MV PRESSURE SENSOR



TE Part #102185-2
UNIVERSAL HEADER LATCH



TE Part #5749181-1
Mini DIN, 4 pos, R/A, Shield



TE Part #1734099-4
Champ 050 series, plug assembly



TE Part #1734101-4
Champ050 series, 40pos, Au over PdNi



TE Part #1623281-1
CRG0805 1% 750R



TE Part #1-1879509-5
CRGH0805 1% 150R 0.33W



TE Part #1-6609001-0
10EEB1=F7533 SO

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_jgs.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

Product Specifications

[Application Specification](#)

English