



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Cable-to-Board**

Number of Positions: **10**

Centerline (Pitch): **1.27 mm [.05 in]**

Row-to-Row Spacing: **1.27 mm [.05 in]**

Number of Rows: **2**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Layout	Matrix
Contact Type	Receptacle
Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]
Wire Contact Termination Area Plating Material	Tin



Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

Termination Features

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

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	11.99 mm[.472 in]
Connector Height	15.94 mm[.628 in]
Connector Width	7.21 mm[.284 in]
Wire Size	.08 – .09 mm²
Row-to-Row Spacing	1.27 mm[.05 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	42
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Packaging Method	Tube
<div>Product Compliance</div> <div>For compliance documentation, visit the product page on TE.com&gt;</div>	
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<div>Current ECHA Candidate List: JUNE 2023 (235)</div> <div>Candidate List Declared Against: JUNE 2023 (235)</div> <div>SVHC &gt; Threshold:</div> <div>Pb (13% in Component Part)</div> <div>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</div>
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



Also in the Series | AMPMODU 50/50 Grid



Insertion & Extraction Tools(1)

PCB Connector Covers(9)

PCB Headers & Receptacles(302)

Ribbon Cable Connectors(34)

Customers Also Bought

TE Part #770854-1  
CONTACT, AMPSEAL SN/LP

TE Part #1-2273121-5  
M12 angled plug to M12 strgt socket AA

TE Part #2273001-2  
M8 x 1.0 straight socket Pigtail

TE Part #T4061410004-004  
M8 CABLE RA FEMALE 3M 4POS PVC CABLE

TE Part #T4161320005-004  
RPC-M12-FS-5CON-PUR-3.0SH

TE Part #1496476-3  
STD USB-A TO MINI-B ASSY 2.0M

TE Part #1939708-1  
Industrial Ethernet Cat5e (AWG)

TE Part #1318912-1  
EP CONN LP REC

TE Part #4-1123722-3  
3.96 EP PLUG HSG 3P(RED)

Documents

Product Drawings  
10P 50/50 GRID CABLE RCPT ASSY  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_111672-1\_B.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_111672-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_111672-1\\_B.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English