



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



Connector System: **Wire-to-Board**
Number of Positions: **8**
Centerline (Pitch): **2 mm [.079 in]**
Termination Method to Wire & Cable: **Insulation Displacement (IDC)**
Row-to-Row Spacing: **2 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	8
Number of Rows	2

Electrical Characteristics

UL Voltage Rating	125 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	125 VAC



Body Features

Daisy Chain	Without
Connector Profile	Low

Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
Mating Pin Diameter	.5 mm[.02 in]
Contact Type	Socket
Wire Contact Termination Area Plating Thickness	.127 μm[5 μin]
Wire Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

Mechanical Attachment

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

Housing Features

Housing Material	Polyester
Housing Color	Black
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	13.18 mm[.519 in]
Connector Height	8.48 mm[.334 in]
Connector Width	5.16 mm[.203 in]
Wire Size	.08 mm ²
Accepts Wire Insulation Diameter Range	.71 – .87 mm[.028 – .034 in]
Row-to-Row Spacing	2 mm[.1 in]



Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

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

Packaging Features

Packaging Quantity	110
Packaging Method	Box & Tray, 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1470108-8
2.0MM PITCH HEADER,DIP 8P

TE Part # 1470109-8
2.0mm Pitch Header,Dip 8p

TE Part # 5176264-3
AMPMODU 2MM V 8P AU:0.2 BLACK

TE Part # 1-5176264-8
08 AMPMODU 2MM DR VERT MNT LF

TE Part # 4-5176837-9
08 AMPMODU 2MM, H, AU, LF

TE Part # 5176837-3
08 AMPMODU 2MM, H, AU, LF

TE Part # 2-5178751-7
AMPMODU 2MM HDR V-TYPE ASSY

Documents

Product Drawings
8, 2MM, 30 DP, LEAD FREE
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2-111626-4_L.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2-111626-4_L.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2-111626-4_L.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages
Ribbon Cable Interconnect Solutions
English

Product Specifications
Application Specification



English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English