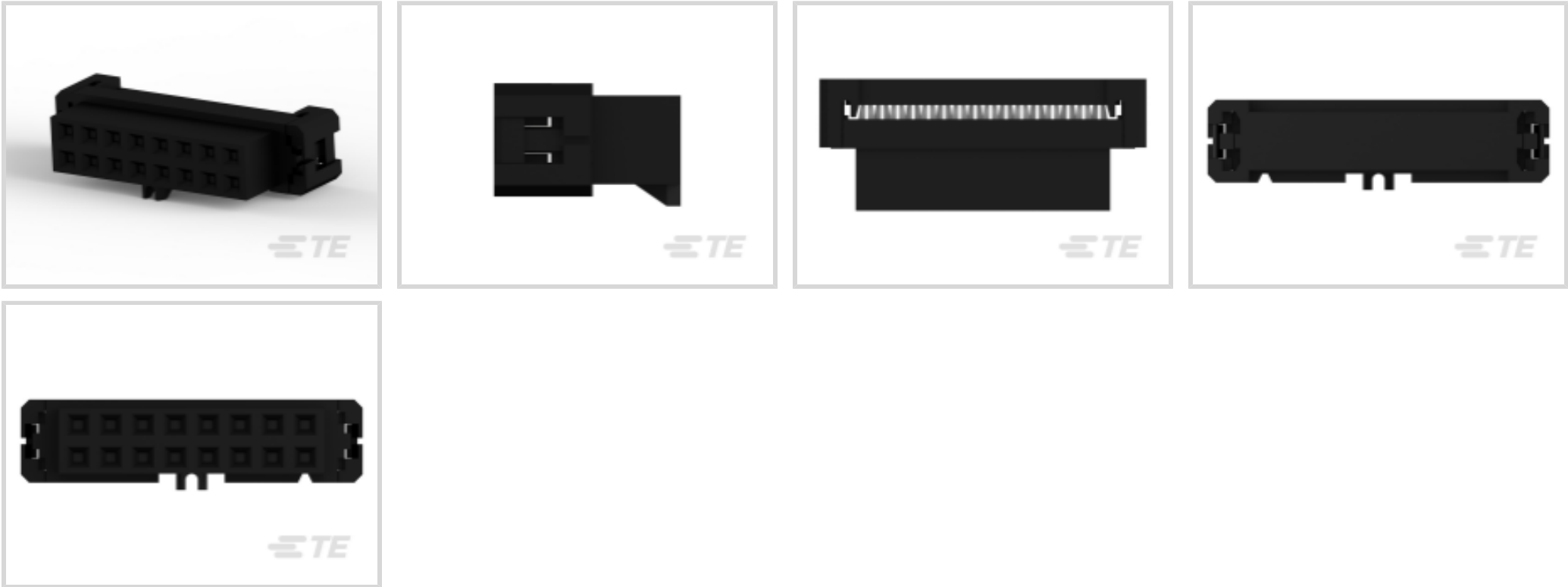




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**
Number of Positions: **16**
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
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	16
Number of Rows	2

Electrical Characteristics

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

Body Features



Daisy Chain	Without
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Connector Profile	Low
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Contact Features

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

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

Mating Alignment	With
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PCB Mount Alignment	With
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Panel Mount Feature	Without
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Ejection Latch
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Connector Length	21.18 mm[.834 in]
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Connector Height	8.48 mm[.334 in]
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Connector Width	5.58 mm[.22 in]
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Wire Size	.08 mm²
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Accepts Wire Insulation Diameter Range	.71 – .87 mm [.028 – .034 in]
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Row-to-Row Spacing	2 mm [.1 in]
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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

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

Packaging Quantity	60
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Packaging Method	Box & Tray, 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: JUNE 2022 (224) 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

 TE Part # 5176837-7 16 AMPMODU 2MM, H, AU, LF	 TE Part # 2-5176264-2 16 AMPMODU 2MM DR VERT MNT LF	 TE Part # 5-5176264-5 16 AMPMODU 2MM DR VERT MNT LF	 TE Part # 5-5176837-0 16 AMPMODU 2MM, H, AU, LF
 TE Part # 5-5176837-1 16 AMPMODU 2MM, H, AU, LF	 TE Part # 5-5176837-3 AMPMODU 2mm D/R HORIZONTAL MOU	 TE Part # 5176264-7 AMPMODU 2MM V 16P AU:0.2 BLACK	 TE Part # 3-5178751-1 AMPMODU 2MM HDR V-TYPE ASSY

Documents

Product Drawings

16, 2MM, POL,30 DP, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111623-0_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-111623-0_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111623-0_K.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

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English