



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): **2.54 mm [.1 in]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

Ribbon Cable Connector Header Type	Pin Header
Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	Without
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Primary Product Color	Black
Connector Profile	Standard

Contact Features

PCB Contact Termination Area Plating Material Thickness	.762 μm[30 μin]
Contact Layout	Inline
Contact Type	Pin
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]
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length	3.94 mm[.155 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	22.56 mm[.888 in]
Connector Height	6.43 mm[.253 in]



Connector Width	10.67 mm[.42 in]
Wire Size	.051 – .15 mm <sup>2</sup>
PCB Thickness (Recommended)	3.18 mm[.125 in]
Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
Row-to-Row Spacing	2 mm[.1 in]

Usage Conditions

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

Solder Process Feature	Solder Dipped
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	50
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 # 5746613-3

16 DIP PLUG CONN-W/COVER

Customers Also Bought

TE Part #327583

SPLICE BUTT PIDG 16-14/22-18

TE Part #557721-000

TMS-RJS-RIBBON-4RPSCE

TE Part #60878-2

250 FASTON REC 22-18 AWG TPBR

TE Part #5749265-1

Mini DIN, 6 pos, R/A, Shield

TE Part #382575-2

2MM MINI-SHUNT ASSEMBLY 15 AU

TE Part #826631-2

2P AMPMODU II PIN HEADER

TE Part #2-2176510-2

CJP 500W 82R 5% Lead

TE Part #5677562009

RNF-3000-3/1-0-STK



TE Part #51864-7  
[TERMINAL,PIDG R IR 16 10](#)



TE Part #ZPF00000000018824  
[FDBA 54-10-6 PN-K 090 A499](#)

Documents

Product Drawings

[16 DIP PLUG, 300CL, LEAD FREE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_746611-6\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_746611-6\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_746611-6\\_G.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