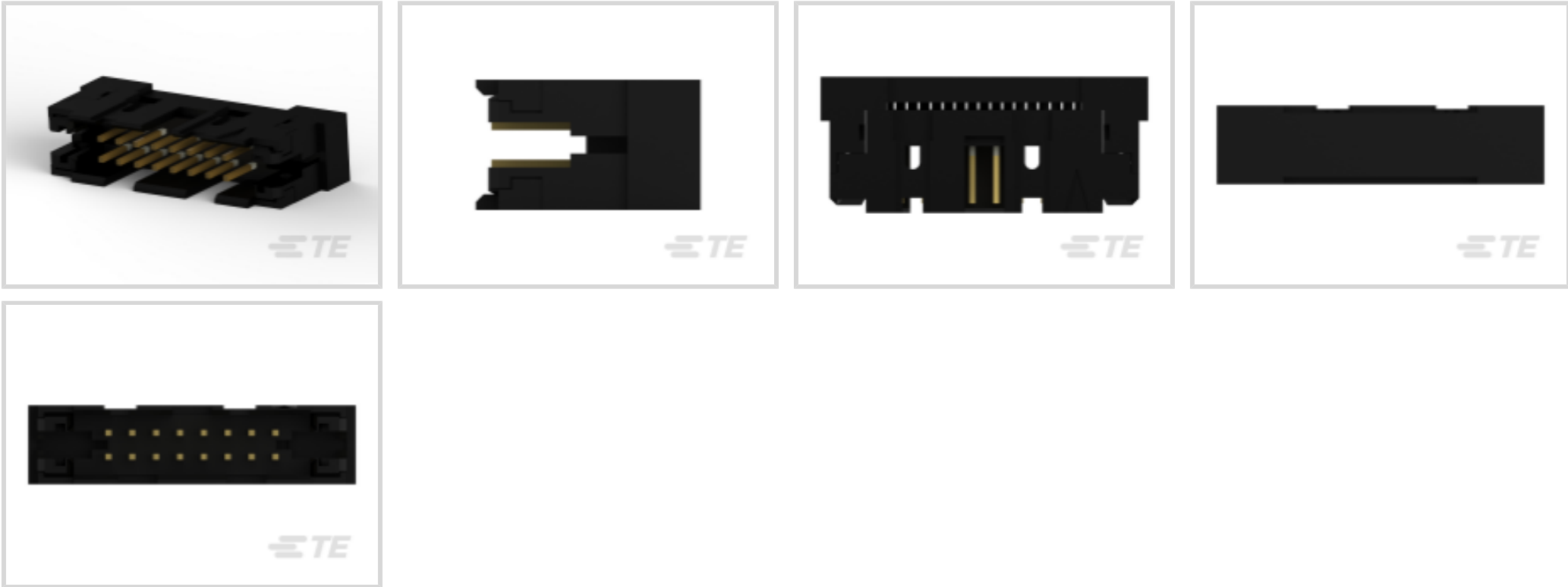




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Wire**
Number of Positions: **16**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Retention Type: **Screw Mount**

Features

Product Type Features

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

Contact Features

Contact Mating Area Length	6.1 mm[.24 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin][30 μin]
Contact Shape & Form	Tuning Fork
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

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	With
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Screw Mount
Mating Alignment Type	Keyed
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	34.85 mm[1.372 in]
Connector Height	14.48 mm[.57 in]
Connector Width	8.38 mm[.33 in]



Wire Size	.08 - .15 mm ²
Compatible Insulation Diameter Range	.81 - .97 mm[.032 - .038 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

Circuit Application	Signal
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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	90
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	Not applicable for solder process capability

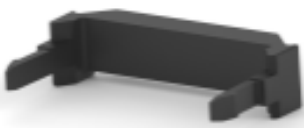
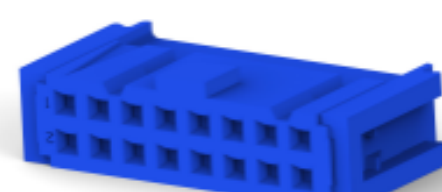
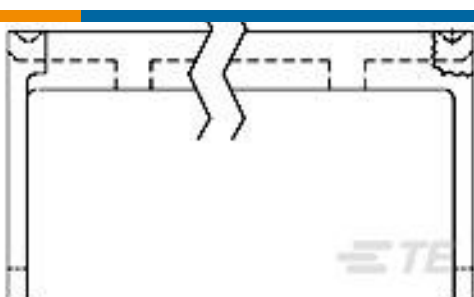
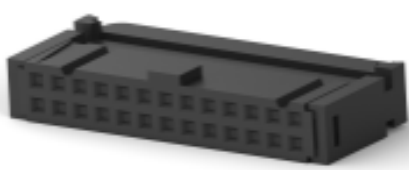
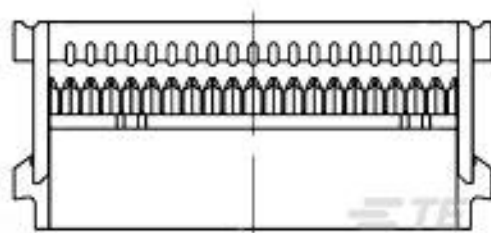
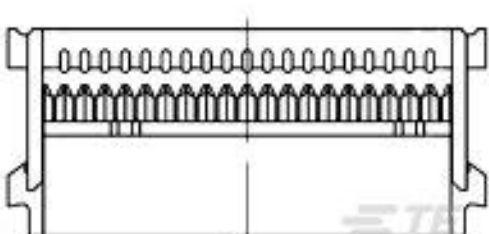
Product Compliance Disclaimer

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 # 499252-8 016 STRAIN RELIEF A-L RCPT	 TE Part # 1-1658526-1 609-1641LF FEM SOCKET,LEAD FREE	 TE Part # 2-1658526-9 609-1630LF=FSKT IDC S 16 30AU	 TE Part # 1658527-7 622-1641LF FEM SOCKET,LEAD FREE
 TE Part # 1658621-3 16 NOVO MIL/CTR 15DP,LEAD FREE	 TE Part # 1658622-3 16 NOVO MIL/CTR 30DP,LEAD FREE	 TE Part # 1658620-3 16 NOVO MIL 15DP, LEAD FREE	 TE Part # 1658623-3 16 NOVO MIL 30DP, LEAD FREE
 TE Part # 1658527-6 622-1630LF FEM SOCKET,LEAD FREE	 TE Part # 6-1437020-6 609-1631HD=FSKT IDC S 16 SR	 TE Part # 1658528-5 636-2641LF FEM SOCKET,LEAD FREE	 TE Part # 6-1437020-8 609-1641=FSKT IDC S 16 30AU PL
 TE Part # 111547-3 016 UNIV I/O STRAIN RELIEF	 TE Part # 1658624-3 016 NOVO DUAL 30DP FT	 TE Part # 1-1658526-0 609-1601MLF FEM SCKT,LEAD FREE	 TE Part # 1-1658528-4 636-1630LF=FEM SKT BLADE POL 1



TE Part # 2-1658528-7
[636-1641LSLF FEMALE SOCKET CON](#)

TE Part # 6-1437020-1
[609-1630=FSKT IDC S 16 30AU PL](#)

Customers Also Bought

TE Part # 111547-8
[034 UNIV I/O STRAIN RELIEF](#)

TE Part # 1-111506-8
[016 UNIV I/O 30DP SLOT LTCH](#)

TE Part # 5746613-3
[16 DIP PLUG CONN-W/COVER](#)

TE Part # 5-160447-2
[FF 250 REC 1.0-2.5MM2 TPPB LP](#)

TE Part # 7-1879276-3
[RP 2A 10K 0.1% 15PPM CUT LENGTH](#)

TE Part # 926209-7
[2X7P LOCK-CLIP GEH](#)

TE Part # 3-336369-5
[250 FASTON HSG.,REC.,1 POS,BLACK](#)

TE Part # 2267473-3
[SIZE 23 PERIPHERAL SEAL, CPC](#)

Documents

Product Drawings

[16 UNIV I/O, NO EARS,LEAD FREE](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-111446-6_M.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-111446-6_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-111446-6_M.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

Agency Approvals
Agency Approval Document

English