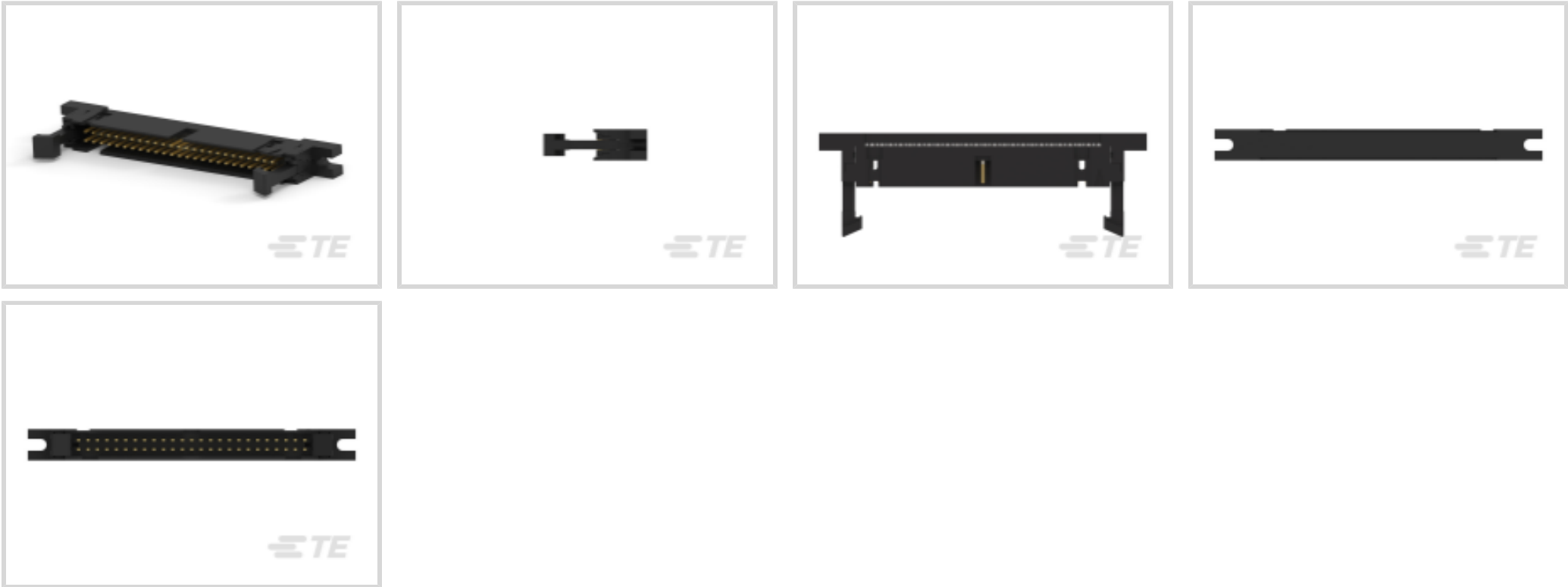




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Wire**
Number of Positions: **50**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Features

Product Type Features

Connector Type	Connector Assembly
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	50
Number of Rows	2

Electrical Characteristics

UL Voltage Rating	250 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features



Daisy Chain	Without
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Connector Profile	Low
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Contact Features

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

Termination Post & Tail Length	3.3 mm[.13 in]
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Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Alignment	With
------------------	------

Panel Mount Feature	With
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Panel Mount Feature Type	Mounting Ears
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PCB Mount Retention	Without
---------------------	---------

Mating Alignment Type	Keyed
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Mating Retention	With
------------------	------

Mating Retention Type	Ejection Latch
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Connector Mounting Type	Panel Mount
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Housing Features

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

Shrouded End Dimension	3.81 mm
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Connector Length	88.29 mm[3.476 in]
Connector Height	27.81 mm[1.095 in]
Connector Width	8.38 mm[.33 in]
Wire Size	.08 – .15 mm²
Accepts Wire 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

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

Packaging Features

Packaging Quantity	20
Packaging Method	Box & Tray, Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

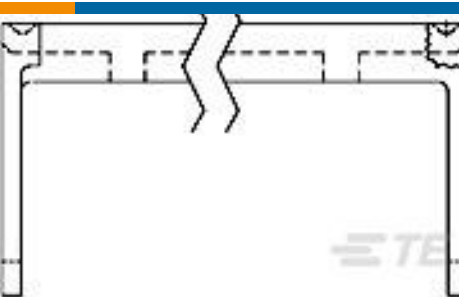
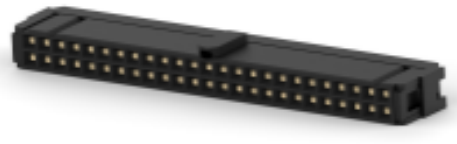
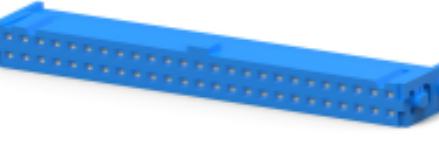
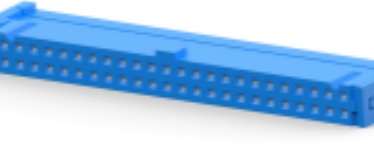
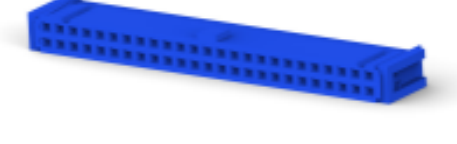
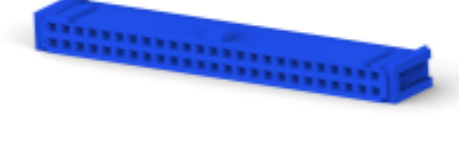
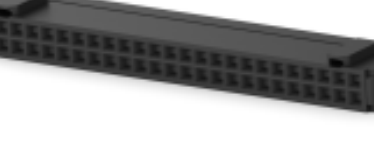
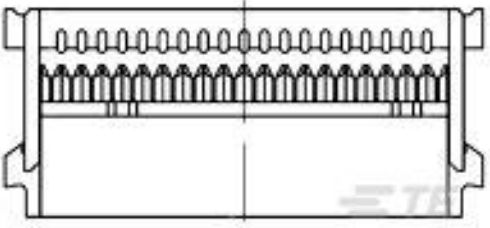
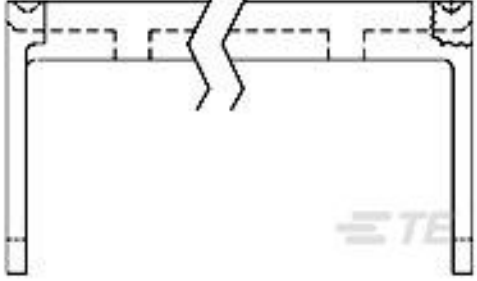
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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 # 499252-4 050 STRAIN RELIEF A-L RCPT	 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 1-1658622-0 50 NOVO MIL/CTR 30DP, LEAD FREE	 TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE
 TE Part # 1-1658621-0 50 NOVO MIL/CTR 15DP, LEAD FREE	 TE Part # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE	 TE Part # 2-1658526-3 609-5030LF FEM SOCKET, LEAD FREE	 TE Part # 2-1658526-4 609-5041LF FEM SOCKET, LEAD FREE
 TE Part # 1-1658527-4 622-5030LF FEM SOCKET, LEAD FREE	 TE Part # 1-1658527-5 622-5041LF FEM SOCKET, LEAD FREE	 TE Part # 1658528-8 636-5041LF FEM SOCKET, LEAD FREE	 TE Part # 1-1658624-0 050 NOVO DUAL 30DP FT
 TE Part # 2-1658526-2 609-5001MLF FEM SCKT, LEAD FREE	 TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1	 TE Part # 1-1437025-2 622-5031=FSKT IDC S 50 SR	 TE Part # 6-1437028-8 636-5031=FEM SOKT 15 MICRO



Documents

Product Drawings

50 UNIV I/O, SLOTTED,LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-111506-4_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-111506-4_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-111506-4_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

Instruction Sheets

Removal Tool for Universal Header Latches

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English