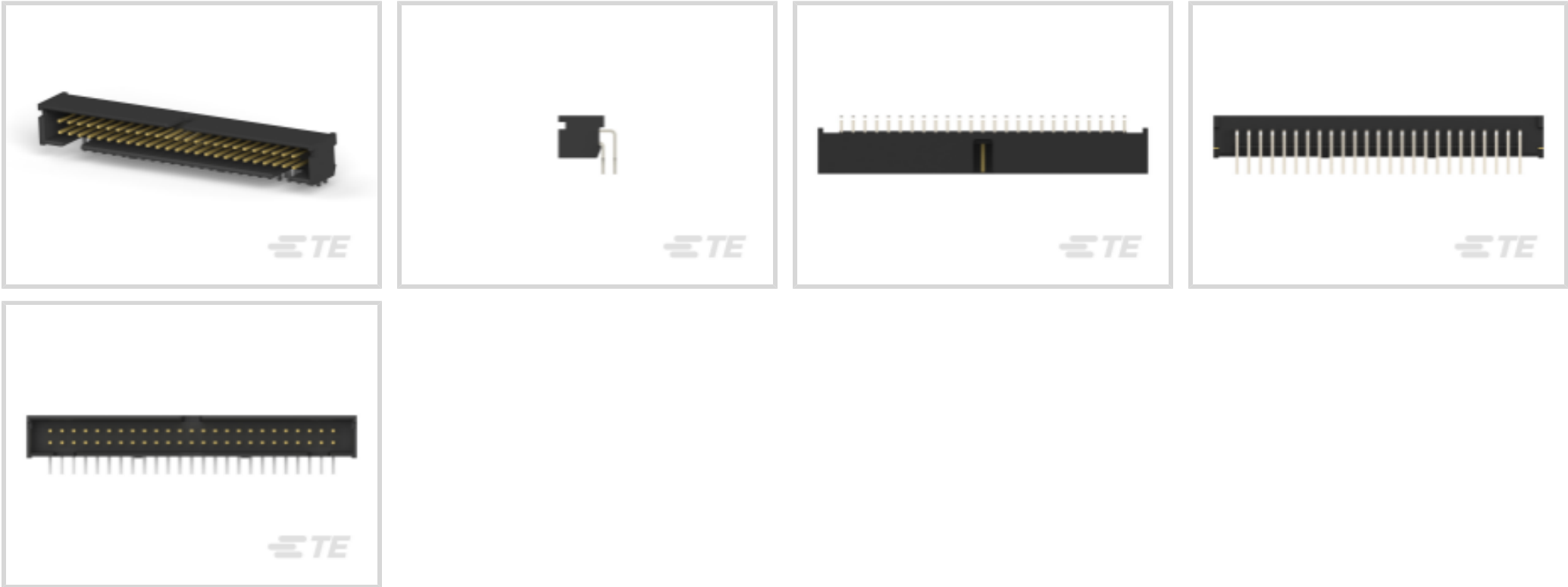




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**
Number of Positions: **50**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Right Angle**

Features

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	35
Packaging Method	Tube

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal



Contact Features

Contact Underplating Material	Nickel
	30 µin
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1 A

Body Features

Daisy Chain	With
Primary Product Color	Black
Connector Profile	Low

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Height	8.81 mm[.347 in]
Connector Length	71.12 mm[2.8 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment Type	Dual Polarizing Bar, Center
Mating Retention	Without
Connector Mounting Type	Board Mount



Housing Features

Housing Material	Glass-Filled Nylon/PBT
Centerline (Pitch)	2.54 mm[.1 in]

Product Type Features

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

Configuration Features

Number of Positions	50
PCB Mount Orientation	Right Angle
Number of Rows	2

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

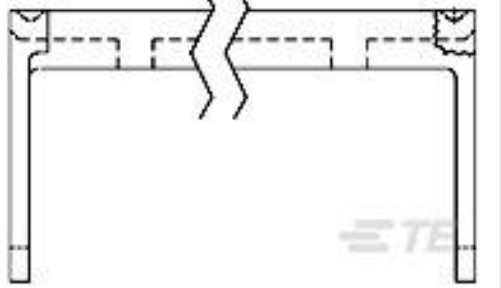
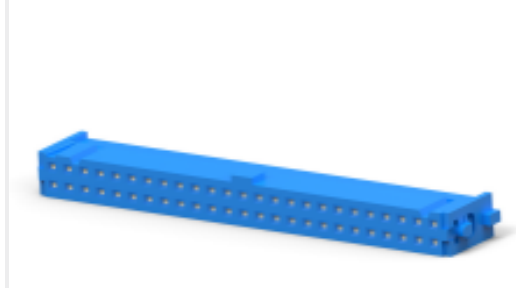
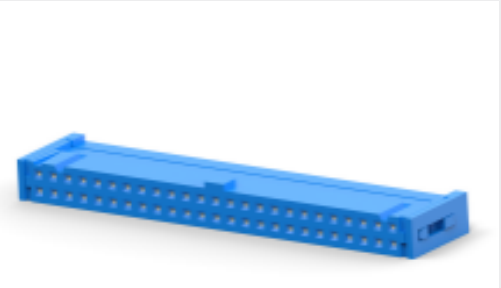
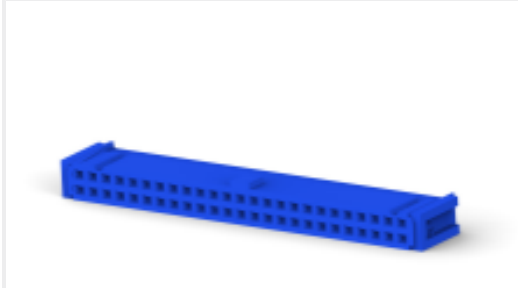
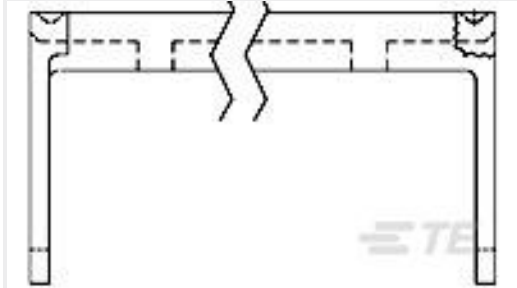
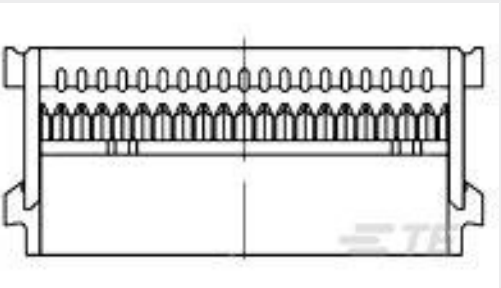
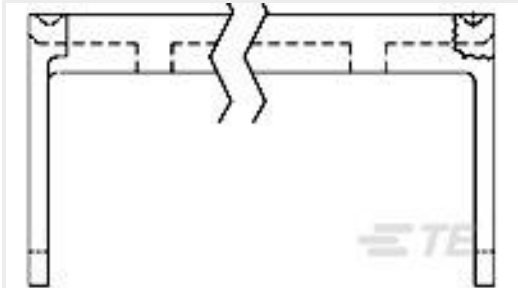
Product Compliance Disclaimer

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 # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 1-1658622-0 50 NOVO MIL/CTR 30DP,LEAD FREE	 TE Part # 1658528-8 636-5041LF FEM SOCKET,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 # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE	 TE Part # 1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE	 TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1
 TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE	 TE Part # 1-1658527-4 622-5030LF FEM SOCKET,LEAD FREE	 TE Part # 6-1437028-8 636-5031=FEM SKT 15 MICRO	 TE Part # 499252-4 050 STRAIN RELIEF A-L RCPT
 TE Part # 2-1658526-2 609-5001MLF FEM SCKT,LEAD FREE	 TE Part # 1-1437025-2 622-5031=FSKT IDC S 50 SR	 TE Part # 1-102387-0 50 MODIV HSG COMP DR .100 POL	 TE Part # 1-1658624-0 050 NOVO DUAL 30DP FT



Customers Also Bought



Documents

Product Drawings

A/L LOW PRO HDR 50P RA BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5103311-0_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-5103311-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5103311-0_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

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[Ribbon Cable Interconnect Solutions](#)

English

Product Specifications

[Product Specification](#)

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