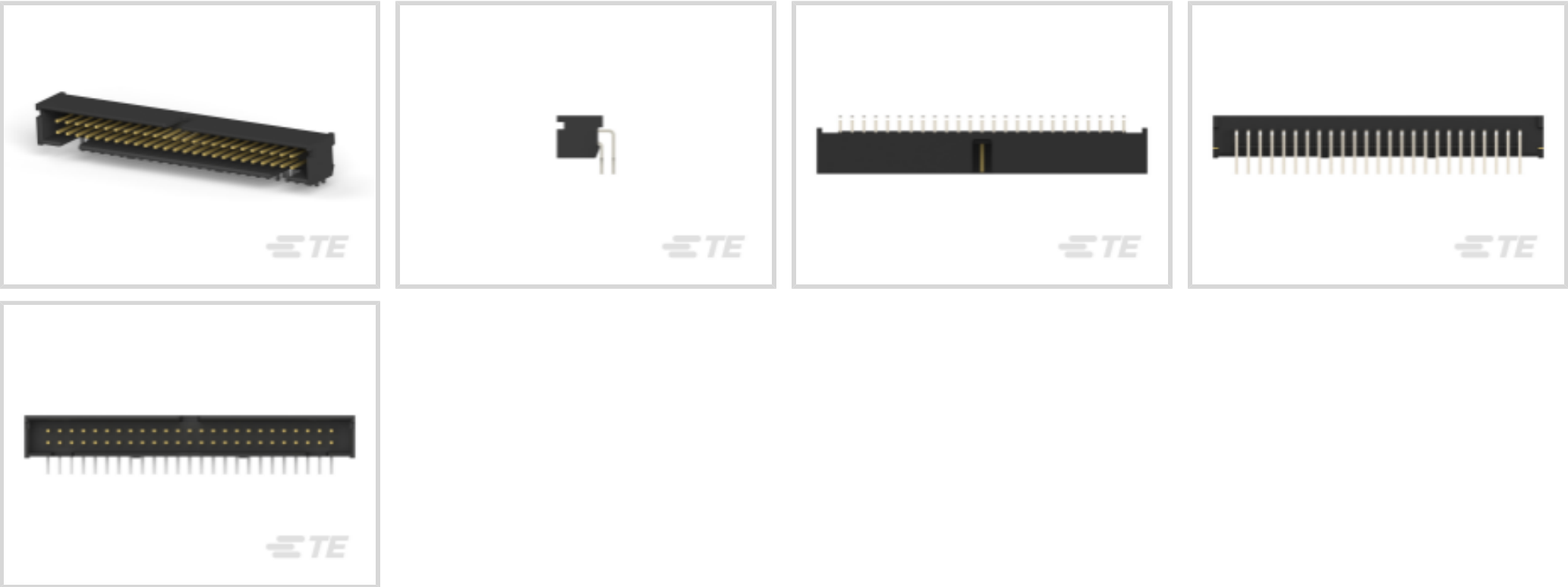




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

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

Configuration Features

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

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	With
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Primary Product Color	Black
Connector Profile	Low

Contact Features

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

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.43 mm[.135 in]
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	Center, Dual Polarizing Bar
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	71.12 mm[2.8 in]
Connector Height	8.81 mm[.347 in]



Row-to-Row Spacing	2.54 mm[.1 in]
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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

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	35
Packaging Method	Tube

Product Compliance

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

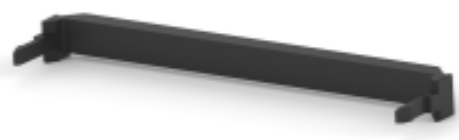
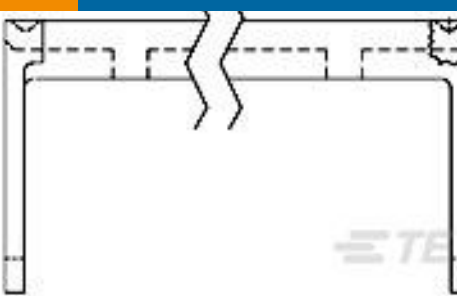
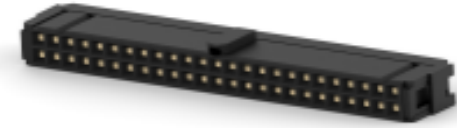
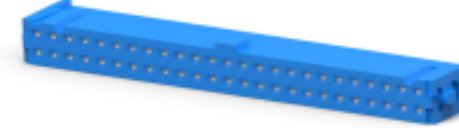
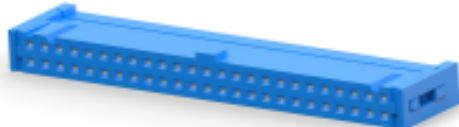
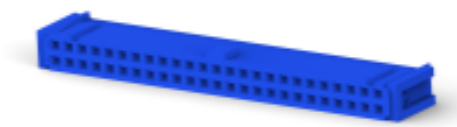
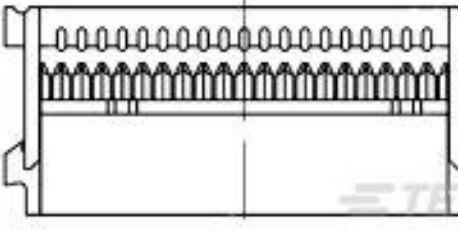
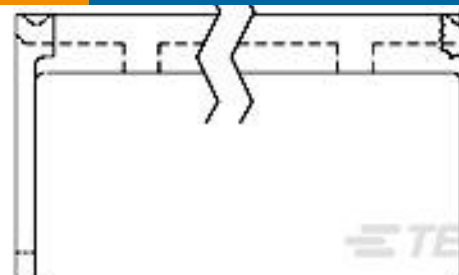
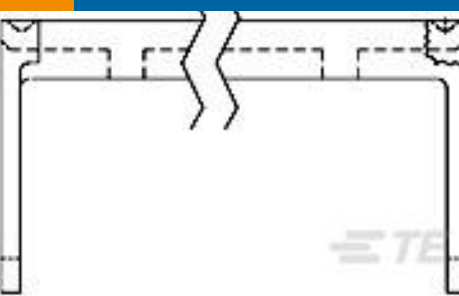
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	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 # 499252-4 050 STRAIN RELIEF A-L RCPT	 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 1-102387-0 50 MODIV HSG COMP DR .100 POL	 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 # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1	 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 # 6-1437028-8 636-5031=FEM SOKT 15 MICRO			

Customers Also Bought





TE Part # 6609047-3
15VT1=F7334 S0



TE Part # 207526-9
SKT HDR ASSY,9P,MMATE LF



TE Part # 5747193-1
50 RCPT RA/MS STD (SL)



TE Part # 1-5103309-0
A/L LOW PRO HDR 50P VERT BLACK



TE Part # 4-641208-0
10P MTA156 HDR ASSY FL ST LF



TE Part # 2376579-2
250 FASTON PCB TAB TPBR



TE Part # 1-2176055-3
RLP73M 2B R033 1% 1K RL



TE Part # 2229293-1
2mm pitch Battery Rec. Assy. 7Pos.
H=4.0

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages
AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Ribbon Cable Interconnect Solutions

English

Product Specifications
Product Specification

English

1-5103311-0

Ribbon Cable Connectors, Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline,
Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile

