



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 mm [.079 in]**

Row-to-Row Spacing: **2 mm [.1 in]**

Number of Rows: **2**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	125 VAC

Body Features

Daisy Chain	Without
Primary Product Color	Black
Connector Profile	Low



Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
Mating Pin Diameter	.5 mm[.02 in]
Contact Type	Socket
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]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Polyester
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	55.17 mm[2.172 in]
Connector Height	8.48 mm[.334 in]
Connector Width	5.58 mm[.22 in]
Wire Size	.08 mm²
Compatible Insulation Diameter Range	.71 - .87 mm[.028 - .034 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	60
Packaging Method	Box & Tray, Tray

Product Compliance

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

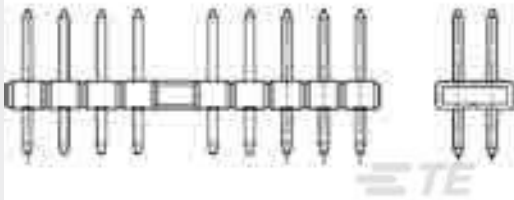
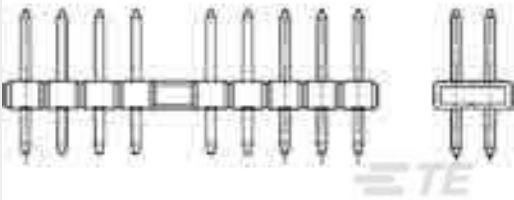
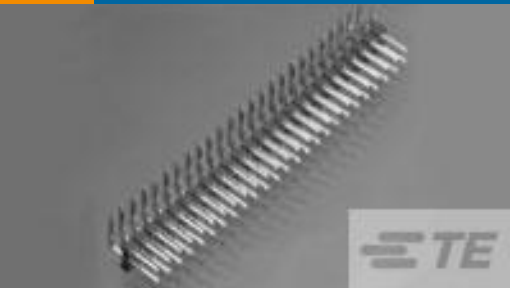
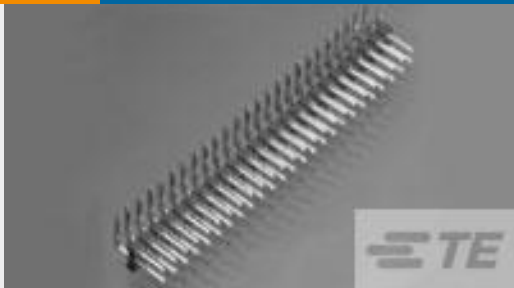
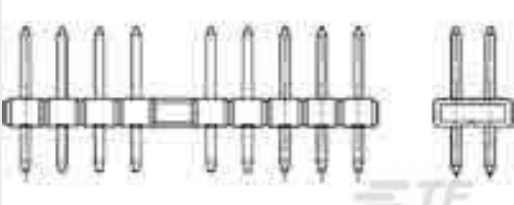
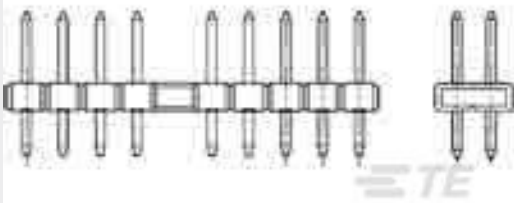
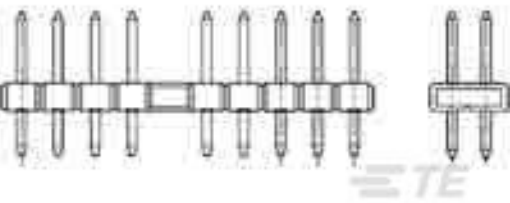
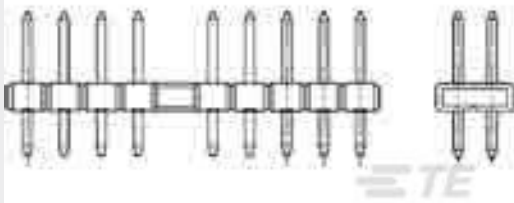
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

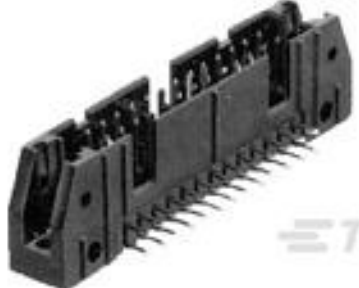
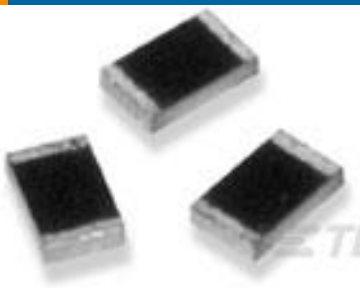
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5088450-9 PULL LOOP, CUT LENGTH 1.82 IN	 TE Part # 111620-1 2MM KEYING PLUG, COMB OF 10	 TE Part # 3-5176264-9 50 AMPMODU 2MM DR VERT MNT LF	 TE Part # 4-5176264-8 50 AMPMODU 2MM DR VERT MNT LF
 TE Part # 1-111614-1 050 STRAIN RELIEF 2MM	 TE Part # 2-5176837-4 50 AMPMODU 2MM, H, AU, LF	 TE Part # 4-5176837-8 50 AMPMODU 2MM, H, AU, LF	 TE Part # 5-5176264-1 50 AMPMODU 2MM DR VERT MNT LF
 TE Part # 5-5176264-2 50 AMPMODU 2MM DR VERT MNT LF	 TE Part # 2-5178751-4 AMPMODU 2MM HDR V-TYPE ASSY	 TE Part # 4-5178751-8 AMPMODU 2MM HDR V-TYPE ASSY	

Customers Also Bought

 TE Part # 5413879-1 JACK ASSY, RTANG, BNC	 TE Part # 5102160-9 A/L UNIV HDR 40P RA	 TE Part # 641737-1 04P CMNL HDR ASSY R/A PC NATL	 TE Part # 5-1614352-1 RN 0603 2K0 0.1% 10PPM CUT LENGTH
 TE Part # 1879252-1 RP 2B 4R75 0.1% 15PPM CUT LENGTH	 TE Part # 1-2176326-8 CRGP 0603 270R 1%	 TE Part # 1-2176329-9 CRGP 1210 330R 1%	 TE Part # 5069812023 CGPT-2.4/1.2-0-STK



Documents

Product Drawings

50, 2MM, POL,30 DP, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111623-6_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-111623-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111623-6_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

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English