



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



Centerline (Pitch): .5 mm

Mating Retention Type: Zero Insertion Force (ZIF)

PCB Mount Orientation: Right Angle

Contact Mating Location: Bottom

Termination Method to PCB: Surface Mount

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
PCB Connector Type	PCB Mount Receptacle
FPC Actuator Type	Stuffer

Configuration Features

Compatible With Wire & Cable Type	FFC
Number of Rows	2
PCB Mount Orientation	Right Angle
Number of Positions	28

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
Actuator Color	Natural



Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.025 μm[100 μin]
Contact Current Rating (Max)	.5 A
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material Thickness	.025 μm[100 μin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Contact Mating Area Plating Material Finish	Matte
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold Flash

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Mating Retention Type	Zero Insertion Force (ZIF)

Housing Features

Housing Material	LCP
Centerline (Pitch)	.5 mm

Dimensions

	.012 in
Accepts Flex Cable Thickness	.3 mm[.012 in]
Connector Width	3.9 mm
Connector Height	1 mm[.04 in]
Connector Length	15.4 mm

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Identification Marking

Circuit Identification Feature	Without
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	2000
Packaging Method	Tape & Reel

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	Not Yet Reviewed
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



Compatible Parts



Documents

Product Drawings

0.5 pitch, 28pin, Vertical, GF, SMT

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-2495219-8_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2-2495219-8_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2495219-8_1.2d_dxf.zip

English

3D PDF

3D

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

Product Specifications

Product Specification

English