

487576-4 ✓ ACTIVE

ZIF-LINE | ZIF LINE

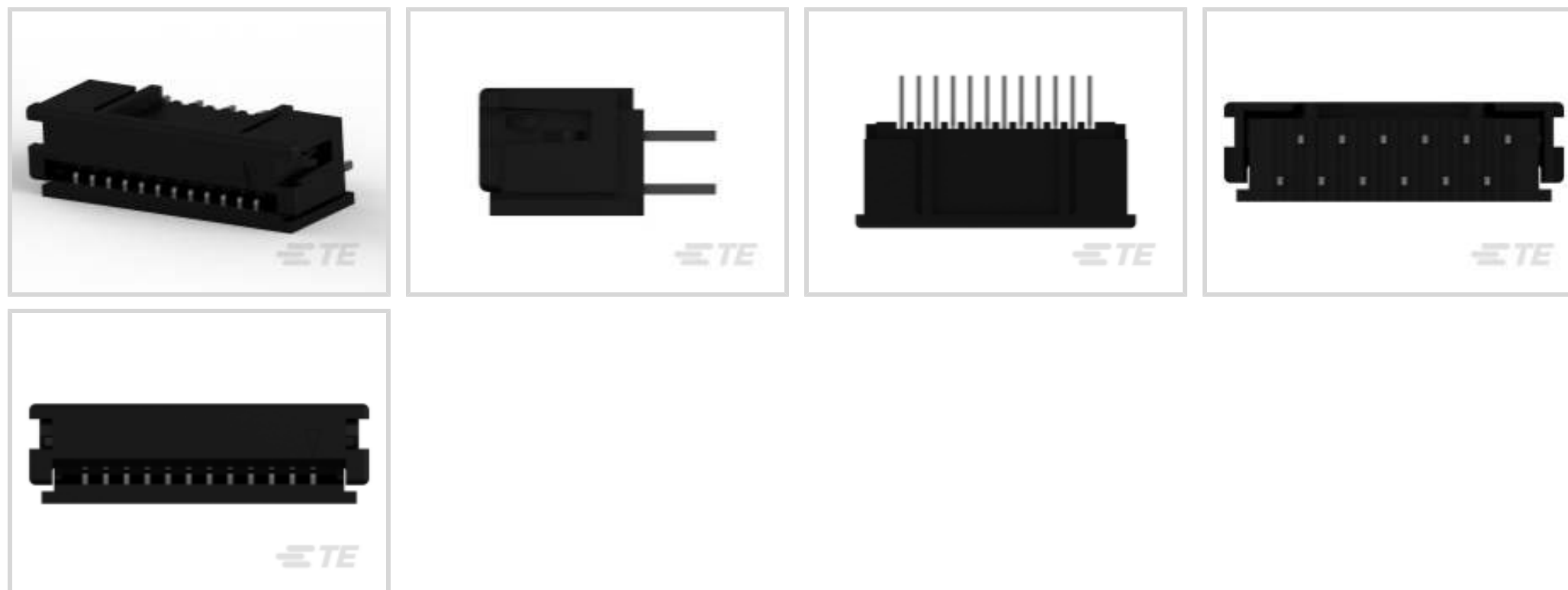
TE Internal #: 487576-4

FFC Connectors, Connector Assembly, Wire-to-Board, 12 Position, 1.27 mm [.05 in] Centerline, 2 Row, Vertical, Socket, Tube, Mating Retention, ZIF LINE

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



FFC Connector Product Type: **Connector Assembly**

Connector System: **Wire-to-Board**

Number of Positions: **12**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **2**

Features

Product Type Features

Connector & Housing Type	Receptacle
FFC Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Insertion Force Type	Zero Insertion Force (ZIF)

Configuration Features

Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	150 VAC

Body Features



Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	3.81 μ m
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Contact Mating Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Type	Socket
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Contact Current Rating (Max)	1 A
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Termination Features

Termination Post & Tail Length	3.94 mm[.155 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarization
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PCB Mount Retention	Without
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Mating Retention Type	Latch
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Mating Retention	With
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Mating Alignment	With
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Panel Mount Feature	Without
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Thermoplastic
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Centerline (Pitch)	1.27 mm[.05 in]
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FFC Cable Entry	Vertical
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Dimensions

PCB Thickness (Recommended)	1.57 mm
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features



Packaging Quantity	24
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



Also in the Series | [ZIF LINE](#)



FFC Connectors(24)

Customers Also Bought

TE Part #2007492-8
SFP+assy2x1 Spring Fingers No Lp SnTE Part #776267-2
14POS,PIN DIA 1.3,HDR ASSY,90DEG,
COD 2TE Part #1-1734248-2
1.0 FPC, ZIF V/T, SMT, 12PTE Part #2007178-1
SFP+ 1x4 Cage Assembly, LightTE Part #5-104071-4
20 SYSTEM 50 HDR SRST SHRD SNTE Part #2329386-1
PN OFF/ON FC BLK M1 TERM IP68
500MM LHSTE Part #1-6609006-1
6EEJP=F8016 S0

Documents

Product Drawings

12 ZIF LINE 50 ASSY

English

CAD Files

Customer View Model

[ENG_CVM_CVM_487576-4_P.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_487576-4_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_487576-4_P.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_SECTION3AND4](#)

English

Product Specifications

[Application Specification](#)

English

[ZIF 50 Flat Flexible Discrete Wire Connectors](#)

English

[Application Specification](#)

English

[Application Specification](#)

Japanese

[ZIF-Line \(Zero Insertion Force\) Flexible Film to PC Board Connectors](#)

Japanese

Product Environmental Compliance

[TE Material Declaration](#)

English