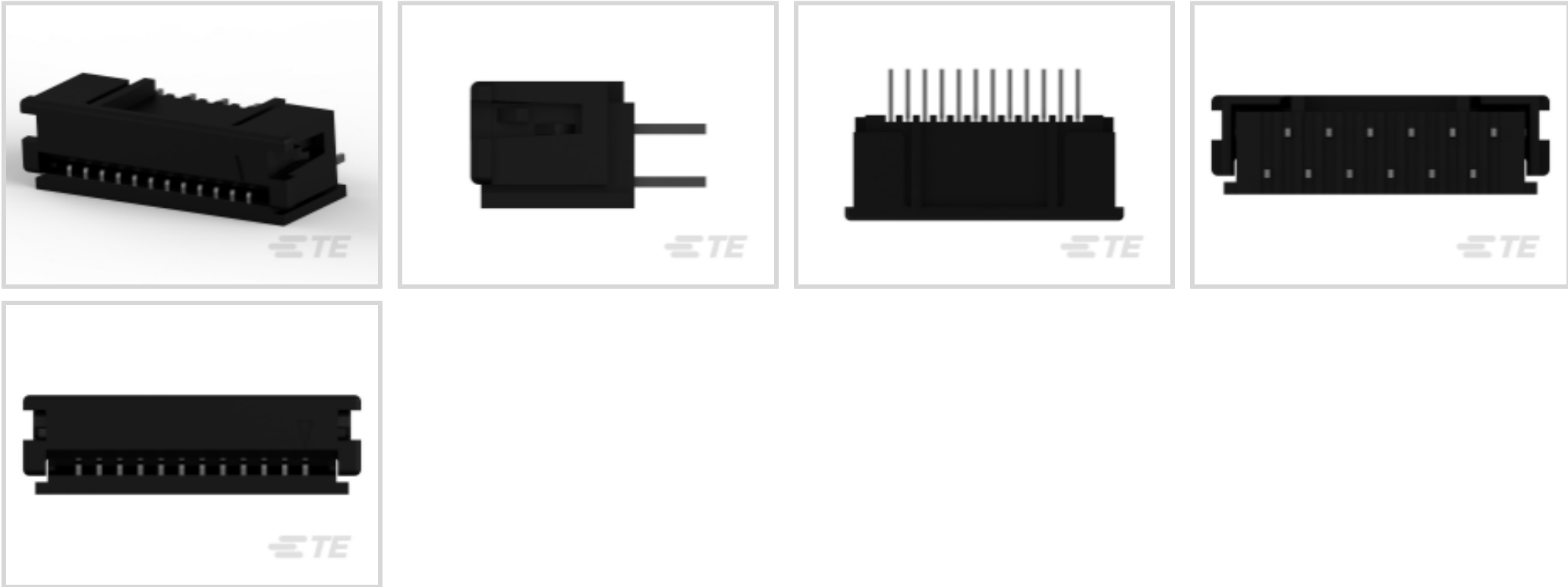




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FFC Connectors



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
Connector & Contact Terminates To	Printed Circuit Board
FFC Connector Product Type	Connector Assembly
Connector System	Wire-to-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 μm
Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Termination Post & Tail Length	3.94 mm[.155 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

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

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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # 1-84534-2
1.25MM FFC POST PLATED V 12P



TE Part # 84501-1
12POS ZIF 100 CENTERLINE

Also in the Series | ZIF LINE



FFC Connectors(24)

Customers Also Bought



TE Part #927368-1
8P MIN D-FLACHF GEH



TE Part #440054-5
2.0MM,HDR,5POS,VERTICAL



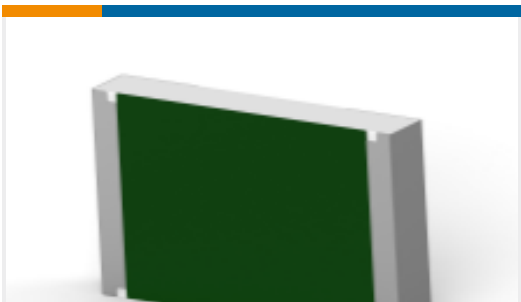
TE Part #1-770178-0
06P MINI-UMNL ASSY VO SNNI*



TE Part #5-104071-4
20 SYSTEM 50 HDR SRST SHRD SN



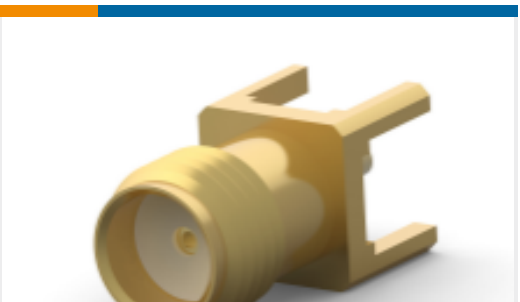
TE Part #172160-1
6 CIR UNIV M-N-L CAP



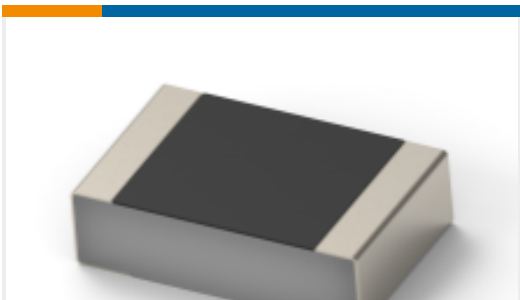
TE Part #2-2176400-5
3540 10R 1%



TE Part #776267-2
14POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 2



TE Part #5-1814832-2
SMA Str PCB Skt GZD



TE Part #4-2176453-2
CPF 0201 15K4 0.1% 25ppm 1K RL



TE Part #338360-1
8/8 MOD.JACK ASSY TE

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