



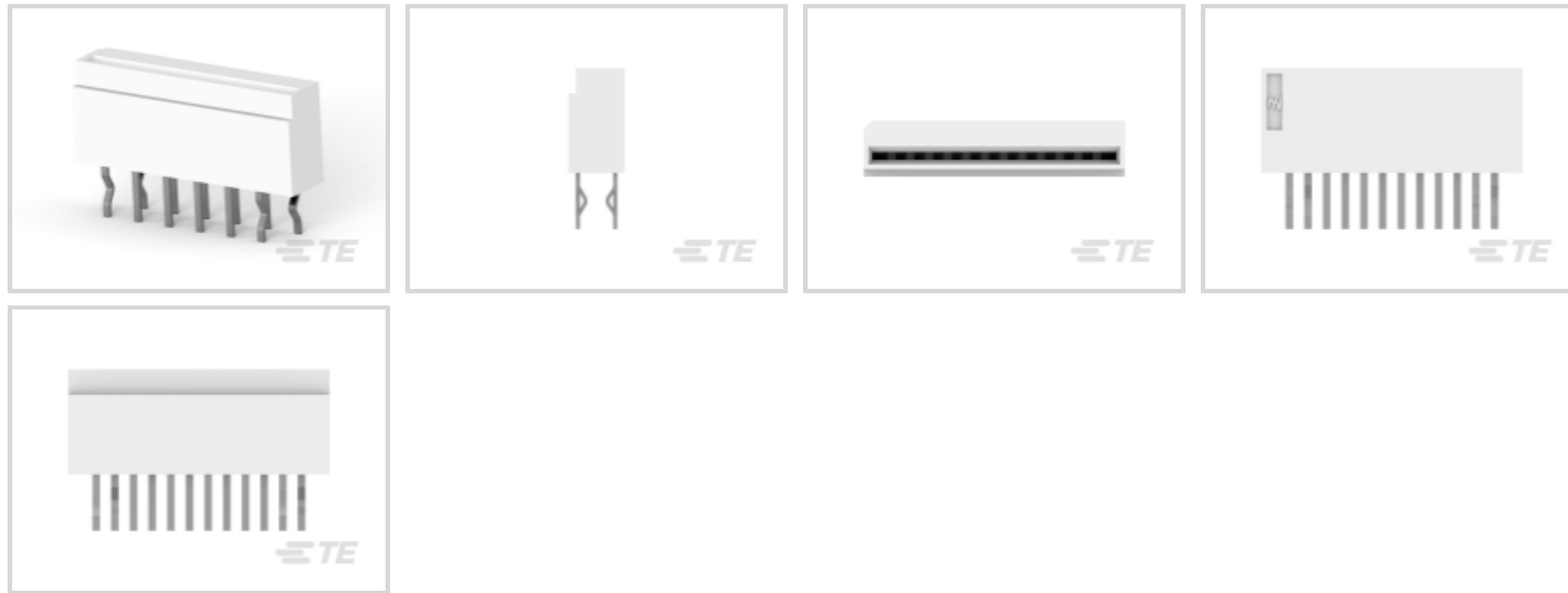
FPC

TE Internal #: 1-84984-2

1 mm [.039 in] Centerline, Non ZIF, Vertical, Through Hole - Solder, Tin, 12 Position, FPC Connectors

[View on TE.com >](#)

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



Centerline (Pitch): 1 mm [.039 in]

Mating Retention Type: **Non ZIF**

PCB Mount Orientation: **Vertical**

Termination Method to PCB: **Through Hole - Solder**

Contact Mating Area Plating Material: **Tin**

**Features**

**Housing Features**

Centerline (Pitch)	1 mm [.039 in]
Housing Material	PBT GF

**Mechanical Attachment**

Mating Retention Type	Non ZIF
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Alignment	With
PCB Mount Alignment	With

**Configuration Features**

PCB Mount Orientation	Vertical
Number of Positions	12
Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1



### Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3 mm[.118 in]

### Contact Features

Contact Mating Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Current Rating (Max)	1 A
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Layout	Staggered Type A
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Mating Area Plating Material Finish	Matte

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board, Flexible Printed Circuit (FPC)
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle

### Electrical Characteristics

Operating Voltage	125 VAC
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### Body Features

Primary Product Color	White
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### Dimensions

Accepts Flex Cable Thickness	.3 mm[.012 in]
Connector Width	3 mm[.118 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]



Connector Height	5.6 mm[.22 in]
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Connector Length	14 mm[.551 in]
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### Usage Conditions

Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Identification Marking

Circuit Identification Feature	With
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### Packaging Features

Packaging Quantity	34
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Packaging Method	Tube, Box & Tube
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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

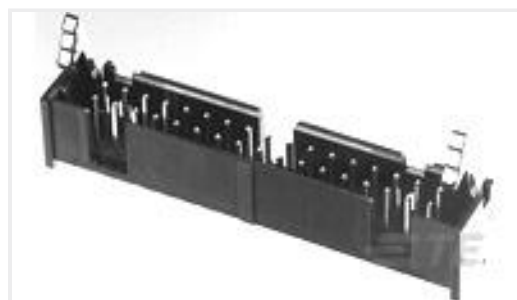


TE Part # 1-84983-2  
1mm FFC DIP H ASSY 12P NAT(TB)

## Customers Also Bought



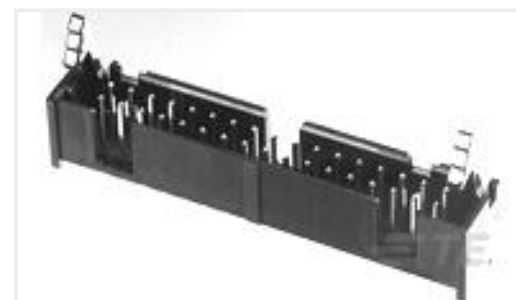
TE Part #1-281695-2  
HEADER HE14 STRAIGHT 12 P



TE Part #3-1761606-5  
IDC LOW PRO HDR 50P VERT LG LA



TE Part #1-1658527-3  
622-4041LF FEM SOCKET, LEAD FREE



TE Part #3-1761606-1  
IDC LOW PRO HDR 34P VERT LG LA



TE Part #1-84952-5  
1MM FPC HORZ.BTMM CONT.ASS.15P



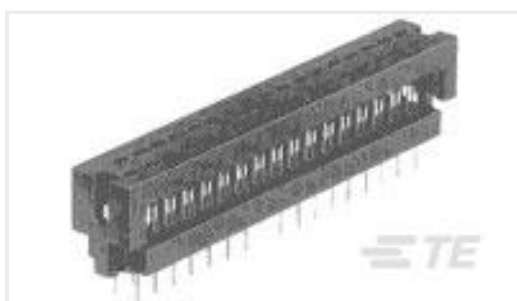
TE Part #1-84953-2  
1MM FPC HORZ.TOP CONT.ASSY 12P



TE Part #1-1658527-5  
622-5041LF FEM SOCKET, LEAD FREE



TE Part #710025-3  
XCT 50-6



TE Part #1658525-8  
622-1653LF, PCB IDC, LEAD FREE



TE Part #2301841-1  
AMPL REC HD20, VERT, 25P, B/L, 4-40 INS

## Documents

### Product Drawings

[1mm FFC DIP V ASSY 12P TUBE](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-84984-2\\_D.2d\\_dxf.zip](#)

English



### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-84984-2\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-84984-2\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[FPC Connector Family](#)

English

[1-1773959-7-FPC-Connectors-CN](#)

English

### Product Specifications

[Product Specification](#)

English