

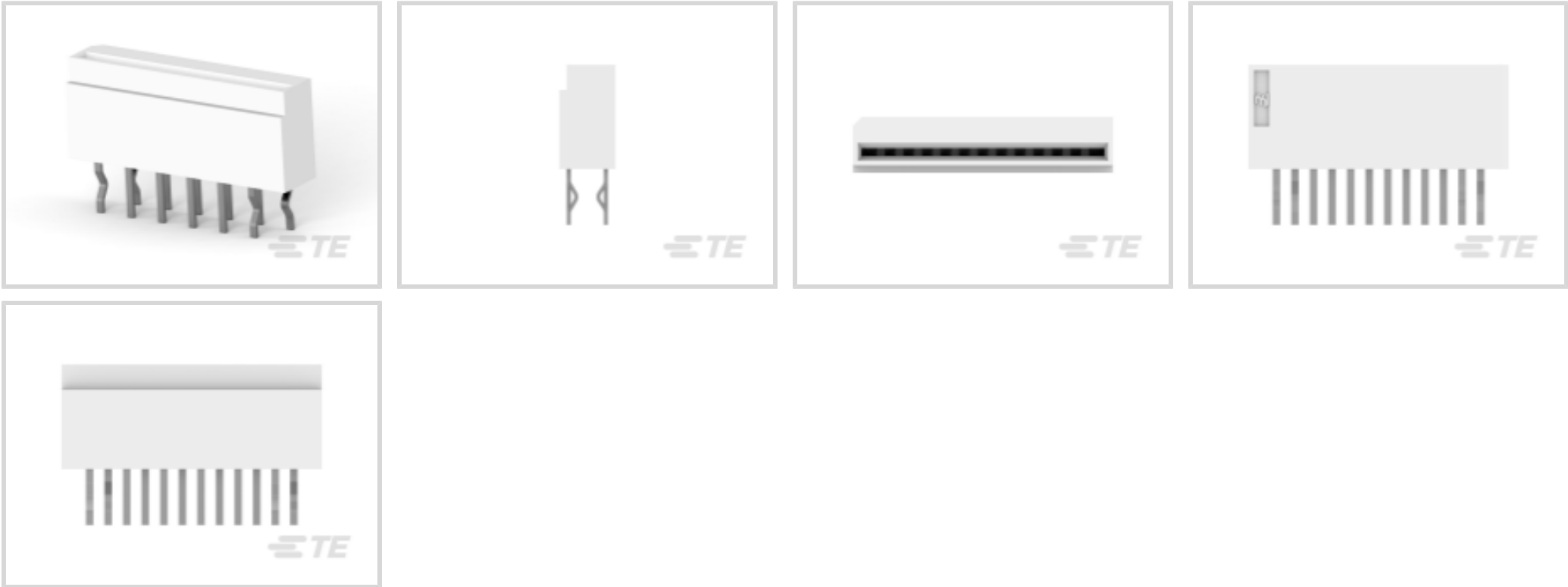


FPC

TE Internal #: 1-84984-2  
FPC Connectors, Flex-to-Board, 12 Position, .039 in [1 mm]  
Centerline, Non-ZIF, Vertical, Through Hole - Solder, Height .22 in [5.6 mm]

[View on TE.com >](#)

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



Connector System: **Flex-to-Board**  
Number of Positions: **12**  
Centerline (Pitch): **1 mm [ .039 in ]**  
Insertion Force Type: **Non-ZIF**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	125 VAC
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Body Features



Primary Product Color	White
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Contact Features

PCB Contact Termination Area Plating Material Thickness	1 μm[39.37 μin]
Contact Layout	Staggered Type A
Contact Type	Socket
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Single Beam
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	1 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	14 mm[.551 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	5.6 mm[.22 in]
Connector Width	3 mm[.118 in]
Accepts Flex Cable Thickness	.3 mm[.012 in]

Usage Conditions

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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
Packaging Method	Box & Tube, 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: 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	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

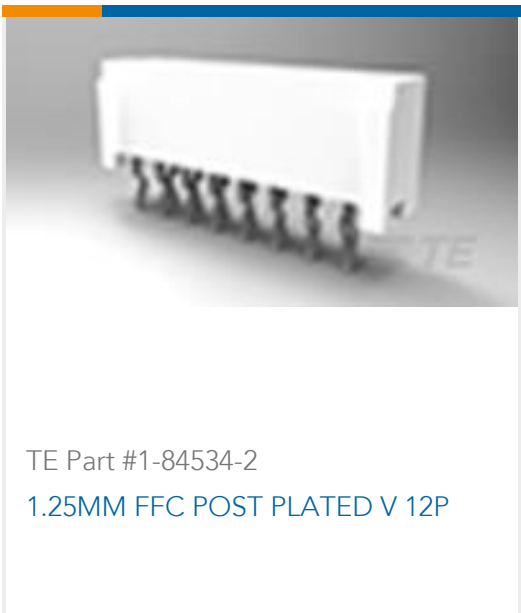


TE Part # 1-84983-2  
1mm FFC DIP H ASSY 12P NAT(TB)

Customers Also Bought



TE Part #1-1622820-3  
SMD Power Resistor: 1 Watt, 3520 Series



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



TE Part #2-1761607-9  
IDC LOW PRO HDR 26P RA LG LAT



TE Part #1-1241050-0  
2x10P MOD II BREAK AWAY HDR, SMD, BLISTER



TE Part #2-1761607-6  
IDC LOW PRO HDR 16P RA LG LAT



TE Part #1-2834015-4  
4POS 2.54MM TES CONN.



TE Part #NB08192001  
HTAT-8/2-0-STK



TE Part #2176373-5  
RQ 0805 11R 0.1% 10PPM 1K RL

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

1-1773959-7-FPC-Connectors-CN

FPC Connector Family

English

5-1773461-0\_Standard\_FPC\_Connector\_Quick\_Reference\_Guide

English

Product Specifications

Product Specification

English