



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 & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle
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

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

Body Features

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Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	3.81 µm
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

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

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention Type	Latch
PCB Mount Retention	Without
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

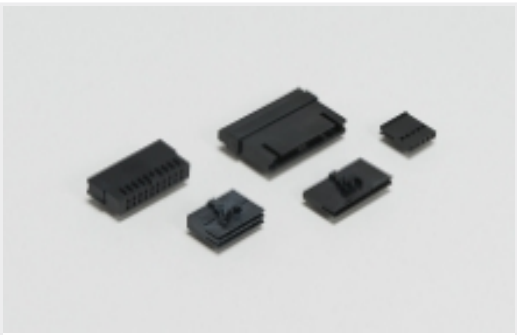


TE Part # 1-84534-2
1.25MM FFC POST PLATED V 12P



TE Part # 84501-1
12POS ZIF 100 CENTERLINE

Also in the Series | ZIF LINE

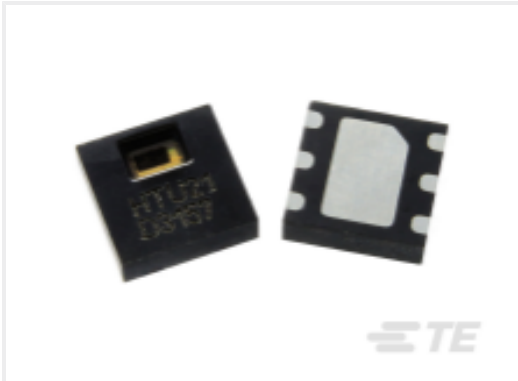


FFC Connectors(24)

Customers Also Bought



TE Part #ANT-868-JJB-ST
Antenna Mini Straight 868MHz THM



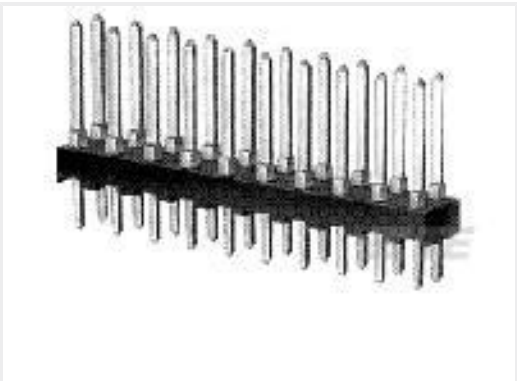
TE Part #HPP845E131R4
HTU21DF RH/T SENSOR IC B400



TE Part #T4141012041-000
M12,REAR MOUNTING,FEMALE,A CODE,4P



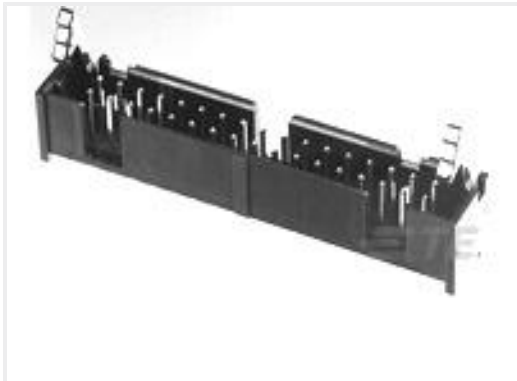
TE Part #87224-3
03 MODII HDR SRST UNSHRD .100



TE Part #87227-3
06 MODII HDR DRST UNSHRD .100



TE Part #1-178288-4
DYNAMIC 3100 REC HSG 4P



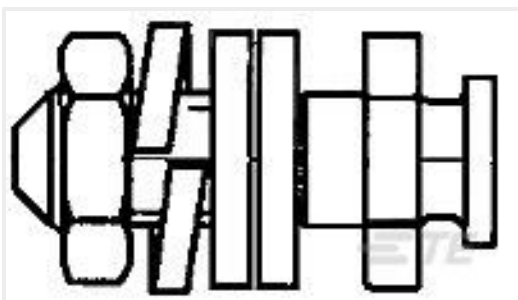
TE Part #2-1761608-7
IDC LOW PRO HDR 20P VERT SHT L



TE Part #1-1825027-1
FSMRA4JH04=R/A,TACT PB SW,160G



TE Part #5103308-5
A/L LOW PRO HDR 20P VERT BLACK



TE Part #5206514-6
SLIDING LOCK POST KIT

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