

5103311-3 ✓ ACTIVE

AMP-LATCH

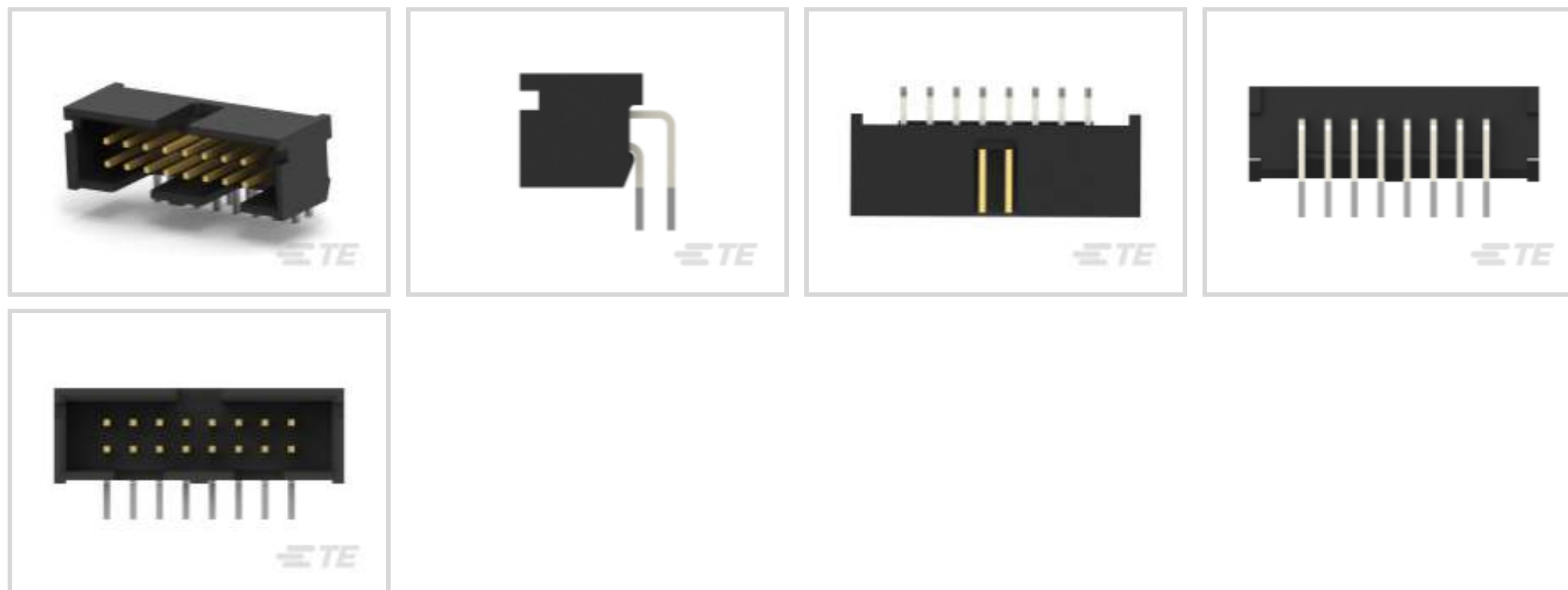
TE Internal #: 5103311-3

Ribbon Cable Connectors, Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile

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



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

Number of Positions: **16**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Right Angle**

**Features**

**Product Type Features**

Ribbon Cable Connector Header Type	Pin Header
Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Positions	16
PCB Mount Orientation	Right Angle
Number of Rows	2

**Electrical Characteristics**

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

**Body Features**

Daisy Chain	With
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Primary Product Color	Black
Connector Profile	Low

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
Contact Type	Pin
	30 $\mu$ in
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A

### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	Without
Connector Mounting Type	Board Mount

### Housing Features

Housing Material	Glass Filled Nylon/PBT
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	27.94 mm[1.1 in]
Connector Height	8.81 mm[.347 in]



Row-to-Row Spacing	2.54 mm [.1 in]
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### Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C [-85 – 221 °F]

### Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	35
Packaging Method	Tube

### Other

Wire-to-Board Connector Comment	Mates with Receptacles
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## 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

 <p>TE Part # 499252-8 016 STRAIN RELIEF A-L RCPT</p>	 <p>TE Part # 1-1658526-1 609-1641LF FEM SOCKET, LEAD FREE</p>	 <p>TE Part # 2-1658526-9 609-1630LF=FSKT IDC S 16 30AU</p>	 <p>TE Part # 1658621-3 16 NOVO MIL/CTR 15DP, LEAD FREE</p>
 <p>TE Part # 1658622-3 16 NOVO MIL/CTR 30DP, LEAD FREE</p>	 <p>TE Part # 102387-3 16 MODIV HSG COMP DR .100 POL</p>	 <p>TE Part # 1658620-3 16 NOVO MIL 15DP, LEAD FREE</p>	 <p>TE Part # 1658623-3 16 NOVO MIL 30DP, LEAD FREE</p>
 <p>TE Part # 1658527-6 622-1630LF FEM SOCKET, LEAD FREE</p>	 <p>TE Part # 6-1437020-6 609-1631HD=FSKT IDC S 16 SR</p>	 <p>TE Part # 1658528-5 636-2641LF FEM SOCKET, LEAD FREE</p>	 <p>TE Part # 1658527-7 622-1641LF FEM SOCKET, LEAD FREE</p>
 <p>TE Part # 1658624-3 016 NOVO DUAL 30DP FT</p>	 <p>TE Part # 1-1658526-0 609-1601MLF FEM SCKT, LEAD FREE</p>	 <p>TE Part # 1-1658528-4 636-1630LF=FEM SKT BLADE POL 1</p>	 <p>TE Part # 2-1658528-7 636-1641LSLF FEMALE SOCKET CON</p>

## Customers Also Bought



TE Part #292132-9  
CT P/HDR BOX V 9P NAT



TE Part #7-1879338-6  
CPF 0603 162K 1% 50PPM 1K RL



TE Part #5103311-2  
A/L LOW PRO HDR 14P RA BLACK



TE Part #6651214-1  
286-0022-12100=CONN,SKT,  
CRNEDGE



TE Part #825433-7  
MOD 2 PINHDR 1X7 P.



TE Part #2-2176328-2  
CRGP 1206 560R 1%



TE Part #8-1879354-5  
RR03 5% 1K0 AMMO

## Documents

### Product Drawings

[A/L LOW PRO HDR 16P RA BLACK](#)

English

### CAD Files

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5103311-3\\_B.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5103311-3\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5103311-3\\_B.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\\_SECTION5](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

### Product Specifications

[Product Specification](#)

English



**Product Environmental Compliance**

[MD\\_5103311-3\\_021520181342\\_dmtec](#)

English

[MD\\_5103311-3\\_021520181342\\_dmtec](#)

English