

5103310-3 ✓ ACTIVE

## AMP-LATCH

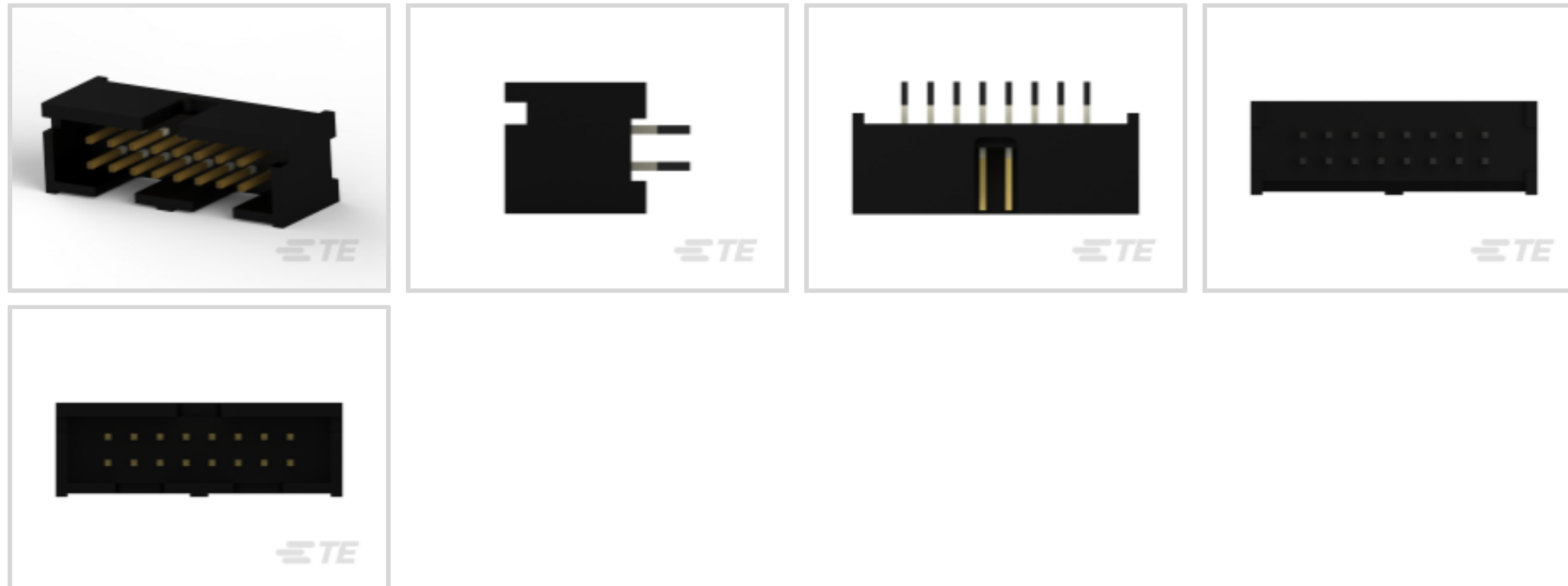
TE Internal #: 5103310-3

Ribbon Cable Connectors, Wire-to-Board, 16 Position, .1 in [2.54 mm] 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

Connector Type	Header
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 M $\Omega$
Operating Voltage	250 VAC

#### Body Features



Daisy Chain	With
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
	15 $\mu$ in
Contact Mating Area Plating Material	Gold, Gold Flash
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
Housing Color	Black
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]
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Row-to-Row Spacing	2.54 mm[.1 in]
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### Usage Conditions

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

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	35
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Packaging Method	Tube
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### Other

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
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Wave solder capable to 265°C
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#### Product Compliance Disclaimer

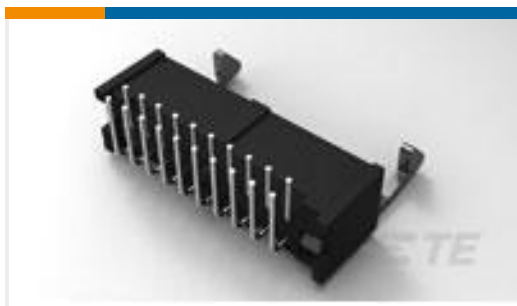
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <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 # 1658527-7 622-1641LF FEM SOCKET, LEAD FREE</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 # 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 # 1658623-3 16 NOVO MIL 30DP, 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 #2-1761607-6  
IDC LOW PRO HDR 16P RA LG LAT



TE Part #1734101-7  
Champ050 series,68pos,Au over PdNi



TE Part #1825265-2  
MSS4200RG04=4PDT SL SW R/A AU



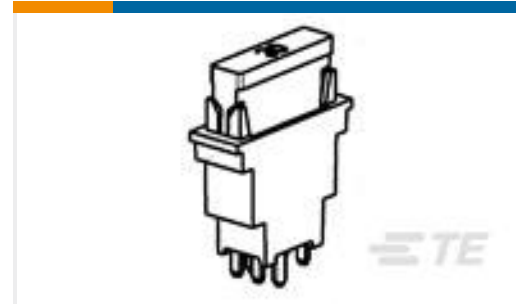
TE Part #1-1534551-1  
LOW & MEDIUM POWER HEADER



TE Part #1-825440-2  
MOD 2 PINHDR 2X12P.



TE Part #1-829822-0  
2X10P MOD2 STIFTLEI



TE Part #1544550-2  
MODULE AUTOFUSE

## Documents

### Product Drawings

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

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5103310-3\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5103310-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5103310-3\\_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

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Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile



### Product Environmental Compliance

[MD\\_5103310-3\\_0416201128](#)

English

[MD\\_5103310-3\\_0416201128](#)

English