

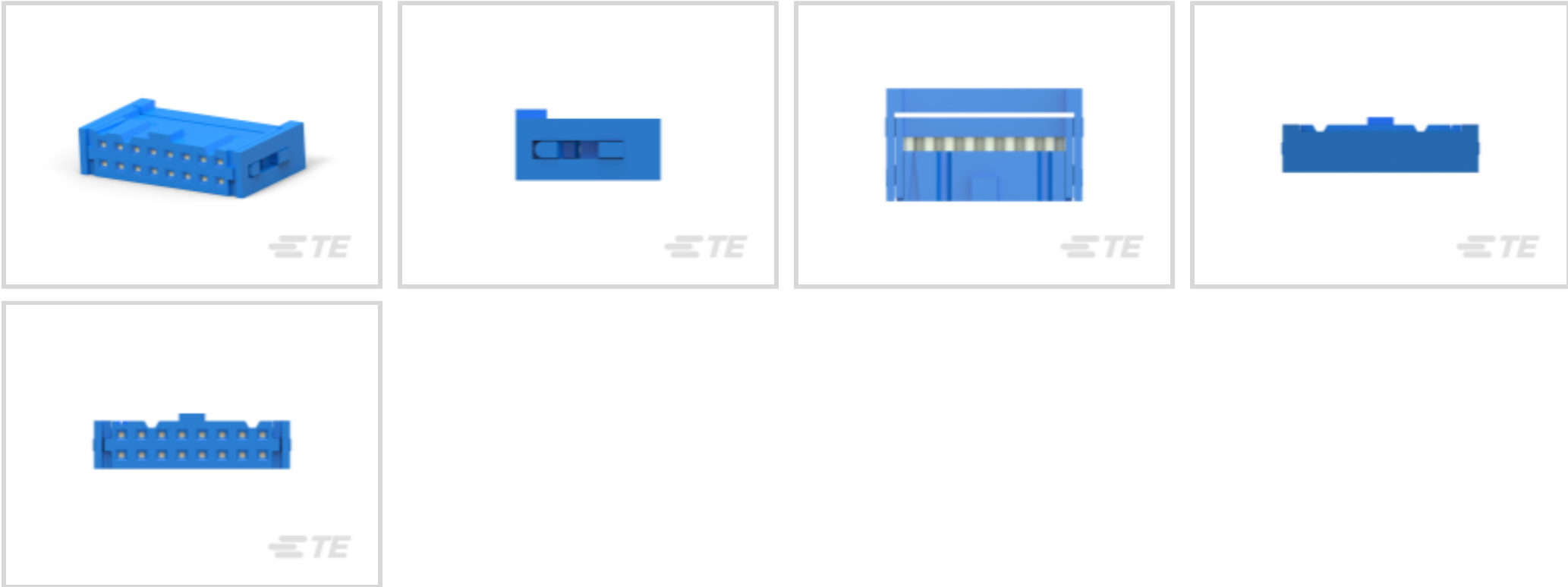


AMP-LATCH

TE Internal #: 1-1658526-1  
Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, 2 Row,  
Receptacle, Polarization Mating Alignment Type, Wire & Cable,  
Ribbon Cable Connectors

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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]**  
Row-to-Row Spacing: **2.54 mm [.1 in]**  
Number of Rows: **2**

Features

Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Connector Product Type            | Connector Assembly |
| Connector System                  | Wire-to-Board      |
| Connector & Housing Type          | Receptacle         |
| Connector & Contact Terminates To | Wire & Cable       |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 16 |
| Number of Rows      | 2  |

Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Wire Contact Termination Area Plating Thickness | 2.54 – 5.08 μm[100 – 200 μin] |
| Wire Contact Termination Area Plating Material  | Tin                           |
|                                                 | 30 μin                        |
| Contact Mating Area Plating Material            | Gold                          |



|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 1 A |
|------------------------------|-----|

Termination Features

|                                               |                               |
|-----------------------------------------------|-------------------------------|
| Rectangular Termination Post & Tail Thickness | .36 mm[.014 in]               |
| Rectangular Termination Post & Tail Width     | .46 mm[.018 in]               |
| Termination Method to Wire & Cable            | Insulation Displacement (IDC) |

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment Type   | Polarization               |
| Mating Retention        | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

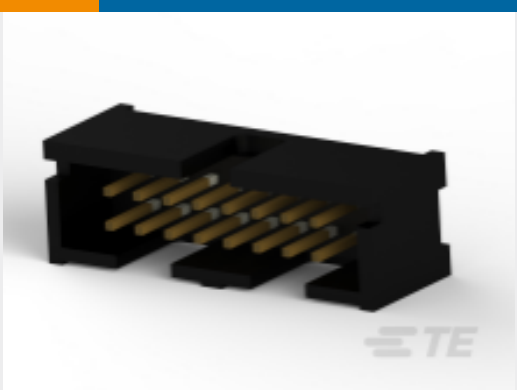
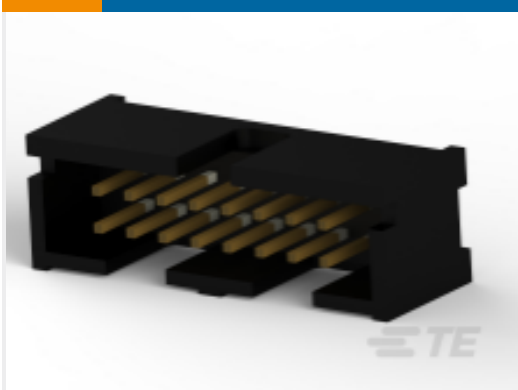
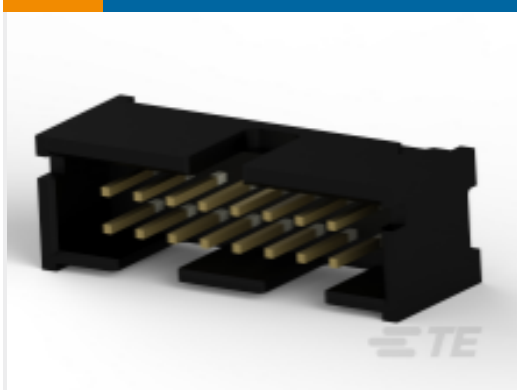
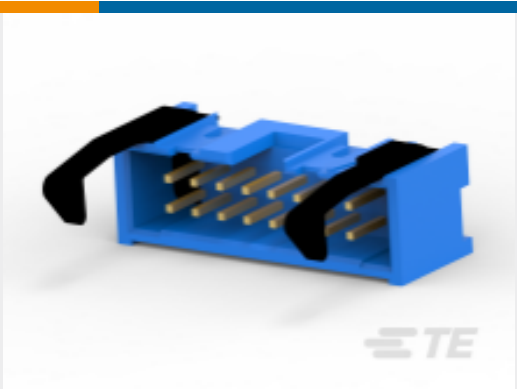
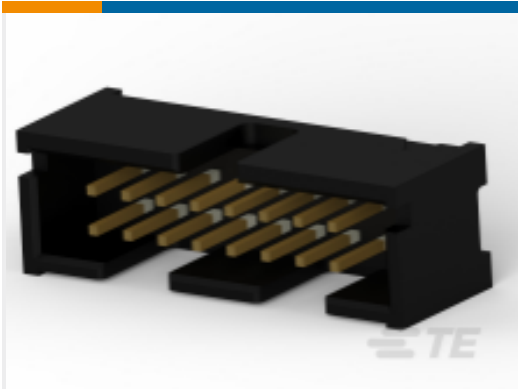
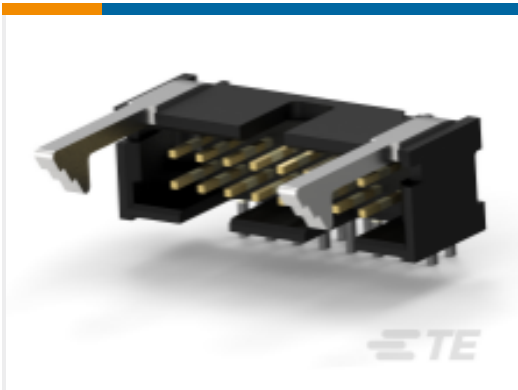
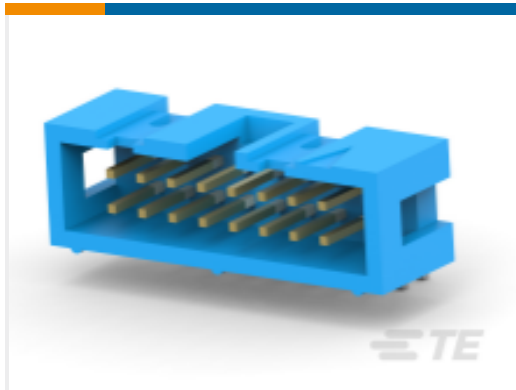
Product Compliance Disclaimer

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

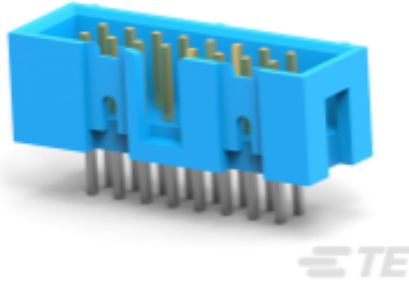


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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 # CAT-AM74-UN384H<br/>AMP-LATCH UNIVERSAL HEADERS</p>       |  <p>TE Part # 1-111506-8<br/>016 UNIV I/O 30DP SLOT LTCH</p>    |  <p>TE Part # 5103311-3<br/>A/L LOW PRO HDR 16P RA BLACK</p>       |  <p>TE Part # 2-1761603-6<br/>IDC LOW PRO HDR 16P VERT BLUE</p>      |
|  <p>TE Part # 5103310-3<br/>A/L LOW PRO HDR 16P RA BLACK</p>           |  <p>TE Part # 5103309-3<br/>A/L LOW PRO HDR 16P VERT BLACK</p> |  <p>TE Part # 5104338-3<br/>A/L LOW PRO HDR 16P VERT HT</p>       |  <p>TE Part # 1761606-6<br/>IDC LOW PRO HDR 16P VERT LG LAT BLK</p> |
|  <p>TE Part # 2-1761606-6<br/>IDC LOW PRO HDR 16P VERT LG LAT BLUE</p> |  <p>TE Part # 5103308-3<br/>A/L LOW PRO HDR 16P VERT BLACK</p> |  <p>TE Part # 2-1761607-6<br/>IDC LOW PRO HDR 16P RA LG LAT</p>   |  <p>TE Part # 1-111446-6<br/>16 UNIV I/O, NO EARS, LEAD FREE</p>    |
|  <p>TE Part # 1761607-6<br/>IDC LOW PRO HDR 16P RA LG LAT BLK</p>      |  <p>TE Part # 104130-3<br/>016 LOPRO HDR RA 30DP LATCH</p>     |  <p>TE Part # 1761681-6<br/>IDC LOW PRO HDR 16P VERT HT BLACK</p> |  <p>TE Part # 2-1761605-6<br/>IDC LOW PRO HDR 16P RA BLUE</p>       |

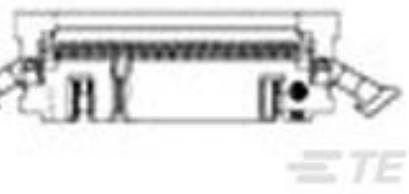




TE Part # 2-1761679-6  
IDC LOW PRO HDR 16P VERT BLUE



TE Part # 1761686-6  
IDC LOW PRO HDR 16P VERT LG LAT



TE Part # 1-111504-6  
016 UNIV I/O 30DP NO EARS LTCH



TE Part # 1761682-6  
IDC LOW PRO HDR 16P RA HT BLACK

Customers Also Bought



TE Part #02560390-000  
GENERAL PURPOSE LVDT



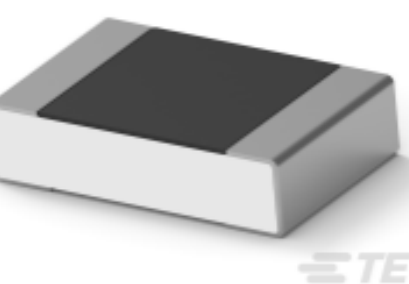
TE Part #1-1623788-4  
Wirewound Resistor: Vertical Mount



TE Part #2-2176349-2  
CRGCQ 2512 560R 1%



TE Part #4-640428-8  
18P MTA156 CONN ASSY 22AWG RED



TE Part #3-2176373-9  
RQ 0805 24R9 0.1% 10PPM 1K RL



TE Part #1483356-3  
MICRO-MATCH LEAD 16P 250MM

Documents

Product Drawings

609-1641LF FEM SOCKT,LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1658526-1\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1658526-1\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1658526-1\_C.3d\_stp.zip

English

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



Datasheets & Catalog Pages  
Ribbon Cable Interconnect Solutions

English

Instruction Sheets  
Instruction Sheet (U.S.)

English