

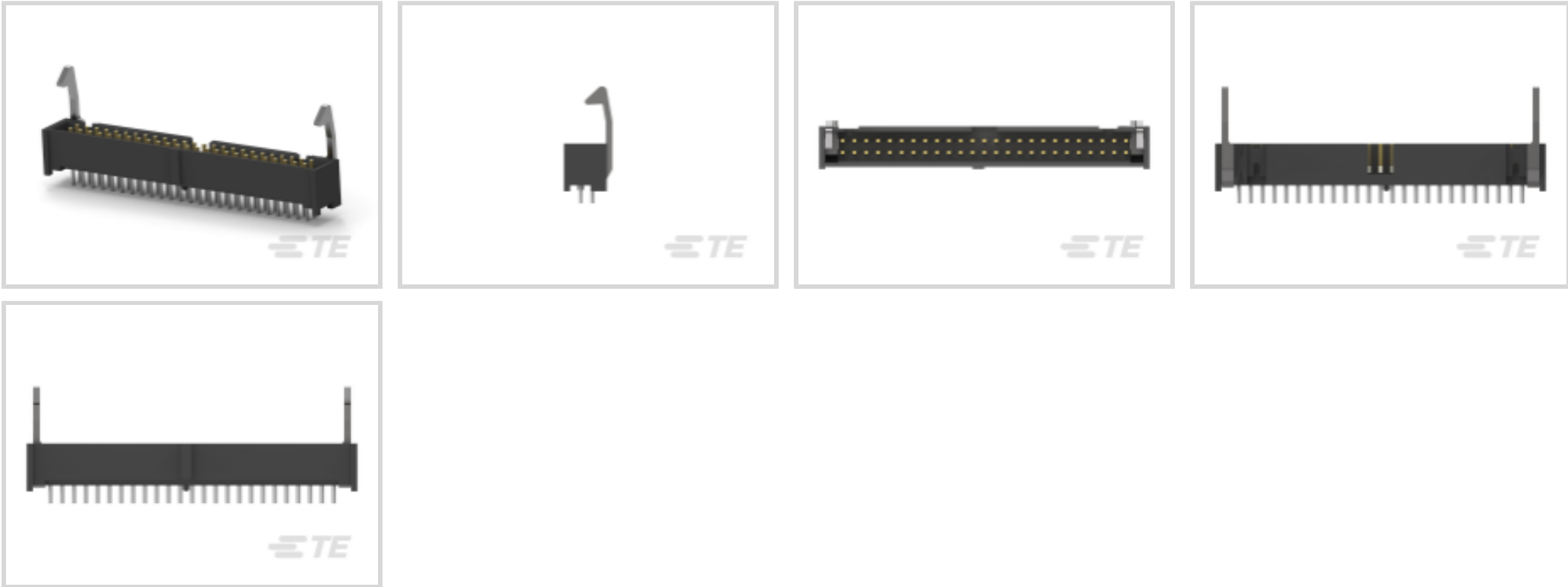


AMP-LATCH

TE Internal #: 3-1761606-5  
Ribbon Cable Connectors, Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, 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: **50**  
Centerline (Pitch): **2.54 mm [ .1 in ]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

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   | 50       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage     | 250 VAC |

Body Features

|             |      |
|-------------|------|
| Daisy Chain | With |
|-------------|------|



|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
| Connector Profile     | Low  |

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm[100 μin] |
| Mating Pin Diameter                                     | .64 mm[.025 in]  |
| Contact Type                                            | Pin              |
| Contact Mating Area Plating Material Thickness          | .762 μm[30 μin]  |
| Contact Mating Area Plating Material                    | Gold Flash       |
| Contact Shape & Form                                    | Square           |
| Contact Underplating Material                           | Nickel           |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Base Material                                   | Phosphor Bronze  |
| Contact Current Rating (Max)                            | 1 A              |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Round Termination Post & Tail Diameter      | .64 mm[.025 in]       |
| Termination Post & Tail Length              | 2.6 mm[.102 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         |
| Mating Retention        | With           |
| Mating Retention Type   | Ejection Latch |
| Connector Mounting Type | Board Mount    |

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Top            |
| Housing Material      | PBT            |
| Centerline (Pitch)    | 2.54 mm[.1 in] |

Dimensions

|                        |                  |
|------------------------|------------------|
| Shrouded End Dimension | 3.76 mm[.148 in] |
|------------------------|------------------|



|                    |                  |
|--------------------|------------------|
| Connector Length   | 71.12 mm[2.8 in] |
| Connector Height   | 9.19 mm[.36 in]  |
| Row-to-Row Spacing | 2.54 mm[.1 in]   |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -65 - 105 °C[-85 - 221 °F] |

Operation/Application

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

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 7    |
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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

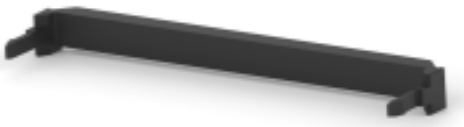
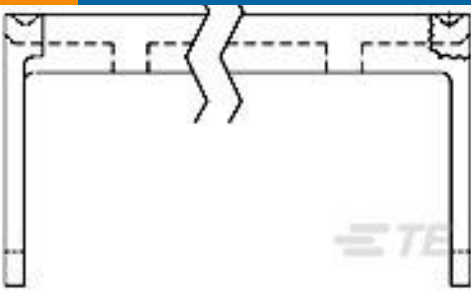
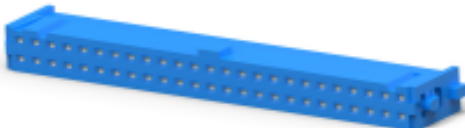
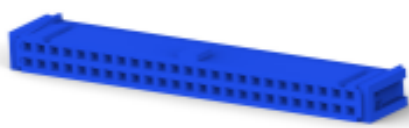
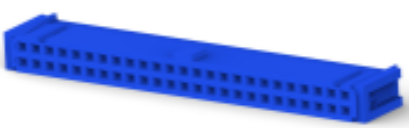
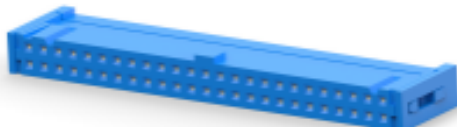
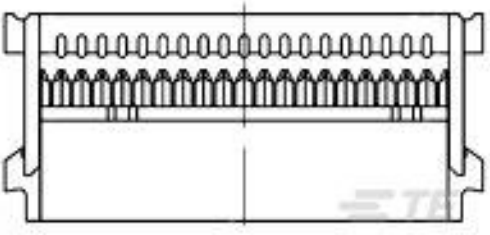
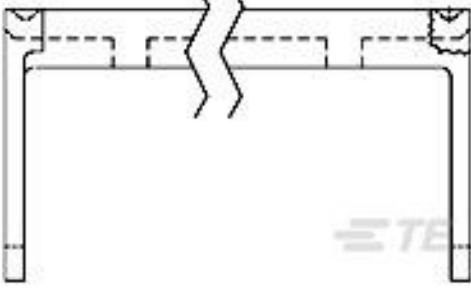
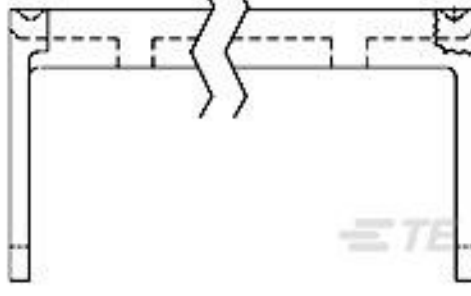
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



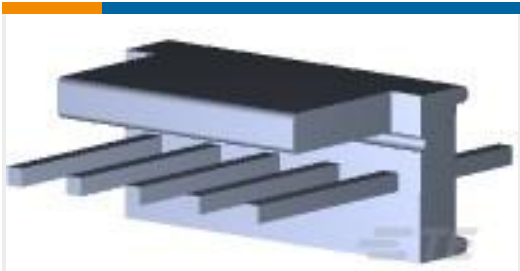


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

|                                                                                                                                                |                                                                                                                                                |                                                                                                                                                  |                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 499252-4<br>050 STRAIN RELIEF A-L RCPT          | <br>TE Part # 8-1437021-1<br>609-5031HD=FSKT IDC S 50 SR      | <br>TE Part # 1-1658622-0<br>50 NOVO MIL/CTR 30DP,LEAD FREE   | <br>TE Part # 1-1658620-0<br>50 NOVO MIL 15DP, LEAD FREE      |
| <br>TE Part # 1-1658623-0<br>50 NOVO MIL 30DP, LEAD FREE    | <br>TE Part # 2-1658526-3<br>609-5030LF FEM SOCKT,LEAD FREE | <br>TE Part # 1-1658527-4<br>622-5030LF FEM SOCKT,LEAD FREE | <br>TE Part # 1-1658527-5<br>622-5041LF FEM SOCKT,LEAD FREE |
| <br>TE Part # 1658528-8<br>636-5041LF FEM SOCKT,LEAD FREE   | <br>TE Part # 1-1658621-0<br>50 NOVO MIL/CTR 15DP,LEAD FREE | <br>TE Part # 2-1658526-4<br>609-5041LF FEM SOCKT,LEAD FREE | <br>TE Part # 2-1658528-0<br>636-5030LF=FEM SKT BLADE POL 1 |
| <br>TE Part # 2-1658526-2<br>609-5001MLF FEM SCKT,LEAD FREE | <br>TE Part # 1-1437025-2<br>622-5031=FSKT IDC S 50 SR      | <br>TE Part # 6-1437028-8<br>636-5031=FEM SOKT 15 MICRO     |                                                                                                                                                  |

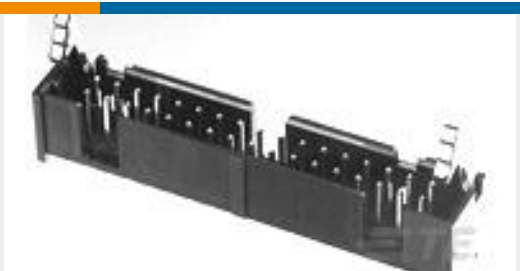
Customers Also Bought



TE Part # 640454-5  
05P MTA100 HDR ASSY SQ STR POL



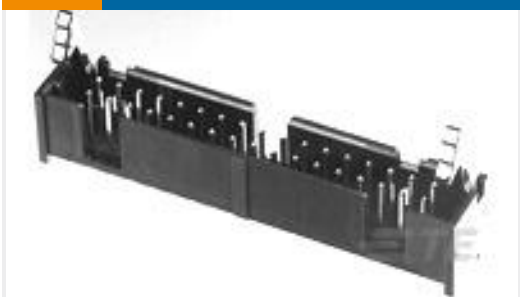
TE Part # 5787190-5  
50 50SR R/A RCPT ASSY,RDSN L/F



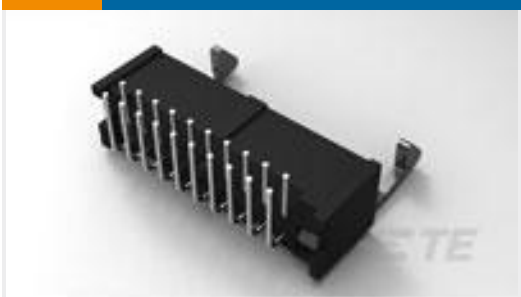
TE Part # 2-1761606-6  
IDC LOW PRO HDR 16P VERT LG LAT BLUE



TE Part # 2-1761606-5  
IDC LOW PRO HDR 14P VERT LG LA



TE Part # 2-1761606-3  
IDC LOW PRO HDR 10P VERT LG LAT BLUE



TE Part # 2-1761607-3  
IDC LOW PRO HDR 10P RA LG LAT



TE Part # 7-1879208-6  
CPF 0402 13K 0.1% 25PPM 1K RL



TE Part # 9-1879208-2  
CPF 0402 62K 0.1% 25PPM 1K RL

Documents

Product Drawings

IDC LOW PRO HDR 50P VERT LG LA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1761606-5\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1761606-5\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1761606-5\_D.3d\_stp.zip

English

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Product Specifications

Product Specification

English