

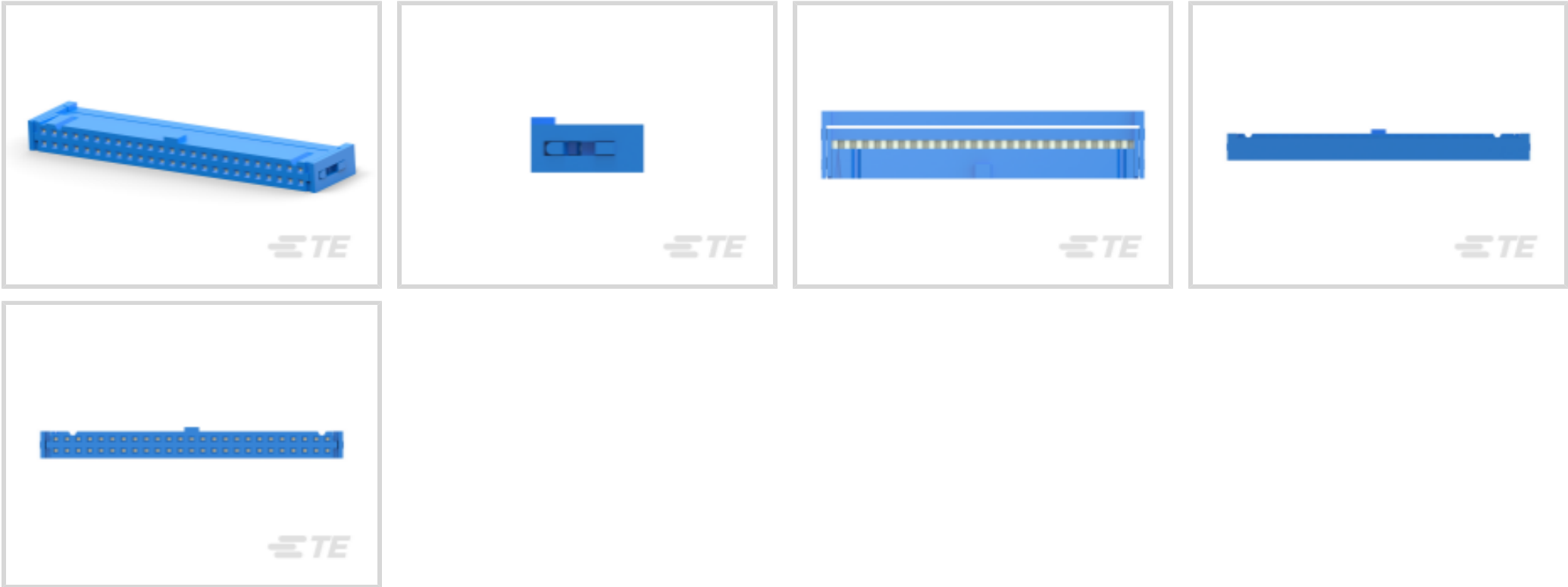


AMP-LATCH

TE Internal #: 2-1658526-4  
Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, 2 Row,  
Receptacle, Wire & Cable, Signal, Cable Mount (Free-Hanging),  
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: **50**  
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 | 50 |
| Number of Rows      | 2  |

Body Features

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

Contact Features

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



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

Termination Features

|                                               |                               |
|-----------------------------------------------|-------------------------------|
| Rectangular Termination Post & Tail Width     | .46 mm[.018 in]               |
| Rectangular Termination Post & Tail Thickness | .36 mm[.014 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: JAN 2025 (247)<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

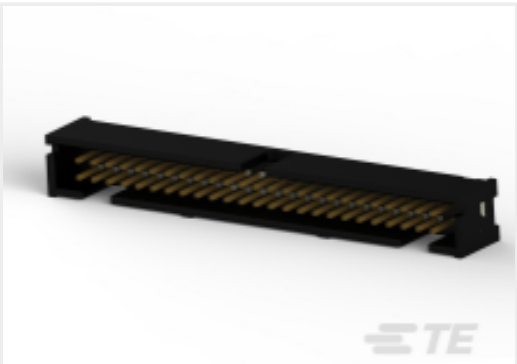


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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>

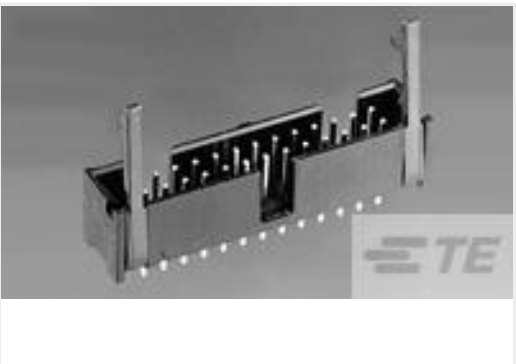
Compatible Parts

|                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   |   |   |   |
| TE Part # 102312-2<br>UNIVERSAL HEADER LATCH                                        | TE Part # 1-1761606-5<br>IDC LOW PRO HDR 50P VERT LA                                 | TE Part # 1-1761686-5<br>IDC LOW PRO HDR 50P VERT LAT                                 | TE Part # CAT-AM74-UN384H<br>AMP-LATCH UNIVERSAL HEADERS                              |
|  |  |  |  |
| TE Part # 1-5103310-0<br>A/L LOW PRO HDR 50P RA BLACK                               | TE Part # 1-5103311-0<br>A/L LOW PRO HDR 50P RA BLACK                                | TE Part # 3-1761605-5<br>IDC LOW PRO HDR 50P RA BLUE                                  | TE Part # 1-5103309-0<br>A/L LOW PRO HDR 50P VERT BLACK                               |
|  |  |  |  |
| TE Part # 1-111506-4<br>50 UNIV I/O, SLOTTED,LEAD FREE                              | TE Part # 1-1761607-5<br>IDC LOW PRO HDR 50P RA LAT BLK                              | TE Part # 3-1761711-5<br>IDC LOW PRO HDR 50P VERT LA                                  | TE Part # 3-1761607-5<br>IDC LOW PRO HDR 50P RA LAT                                   |
|  |  |  |  |
| TE Part # 5104338-9<br>A/L LOW PRO HDR 50P VERT HT                                  | TE Part # 5104340-9<br>A/L LOW PRO HDR 50P RA HT                                     | TE Part # 1-1761681-5<br>IDC LOW PRO HDR 50P VERT HT BLACK                            | TE Part # 1-111446-7<br>50 UNIV I/O, NO EARS,LEAD FREE BLACK                          |

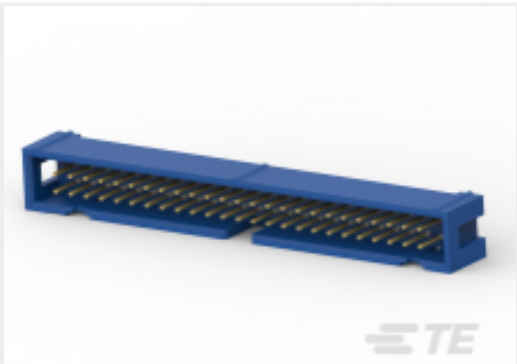




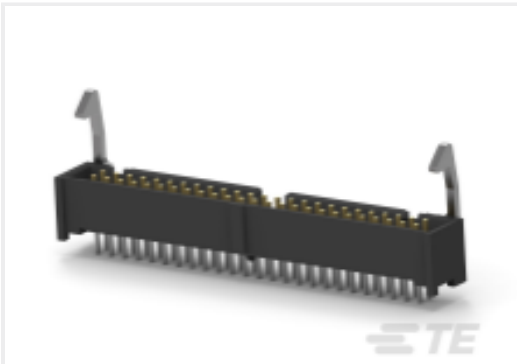
TE Part # 1-5103308-0  
A/L LOW PRO HDR 50P VERT BLACK



TE Part # 3-1761712-5  
IDC LOW PRO HDR 50P RA LAT



TE Part # 3-1761603-5  
IDC LOW PRO HDR 50P VERT BLUE



TE Part # 3-1761606-5  
IDC LOW PRO HDR 50P VERT LA

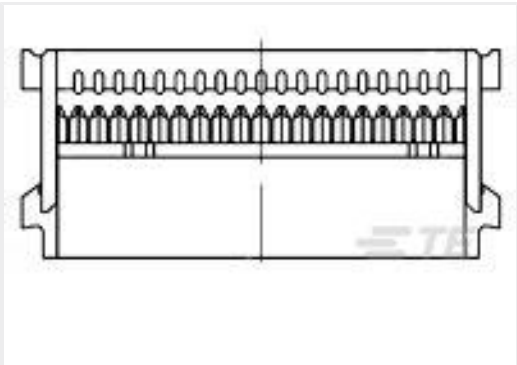
Customers Also Bought



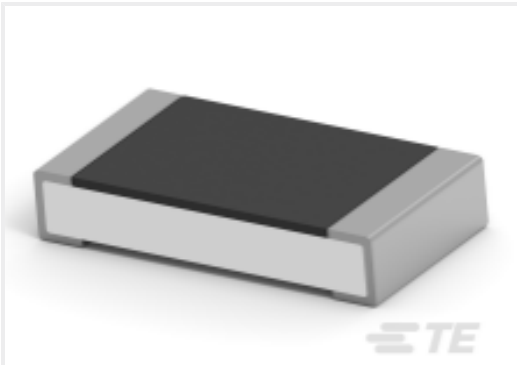
TE Part #1-66597-0  
III+ PIN,18-14,30AU/FL,STRIP



TE Part #2-320571-2  
PIDG R 22-16 COMM 22-18MIL 1/4



TE Part #1-1658526-6  
609-2641LF FEM SOCKET,LEAD FREE



TE Part #4-2176390-2  
RQ 1206 3K09 0.1% 10PPM 5K RL



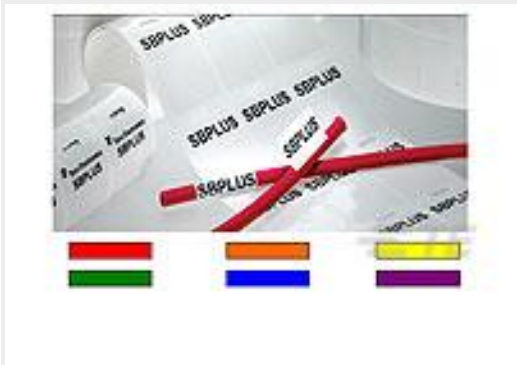
TE Part #208490-1  
PLUG ASSY,SZ 22,CMC



TE Part #6609036-9  
10VSK1=F7242 S0



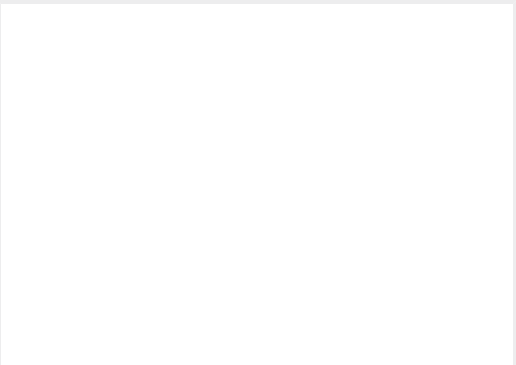
TE Part #5208010-2  
HD-20 PLUG 50P VERT



TE Part #CN2893-000  
SBP050143WE10



TE Part #354868-E  
STVD 32 M AC GG 4-00 1006 \* \* 247 E 172



TE Part #4162-202-1631L  
CONT SOC ASSY

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_2-1658526-4\_C.2d\_dxf.zip
- English
- Customer View Model
- ENG\_CVM\_CVM\_2-1658526-4\_C.3d\_igs.zip
- English



Customer View Model

[ENG\\_CVM\\_CVM\\_2-1658526-4\\_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