

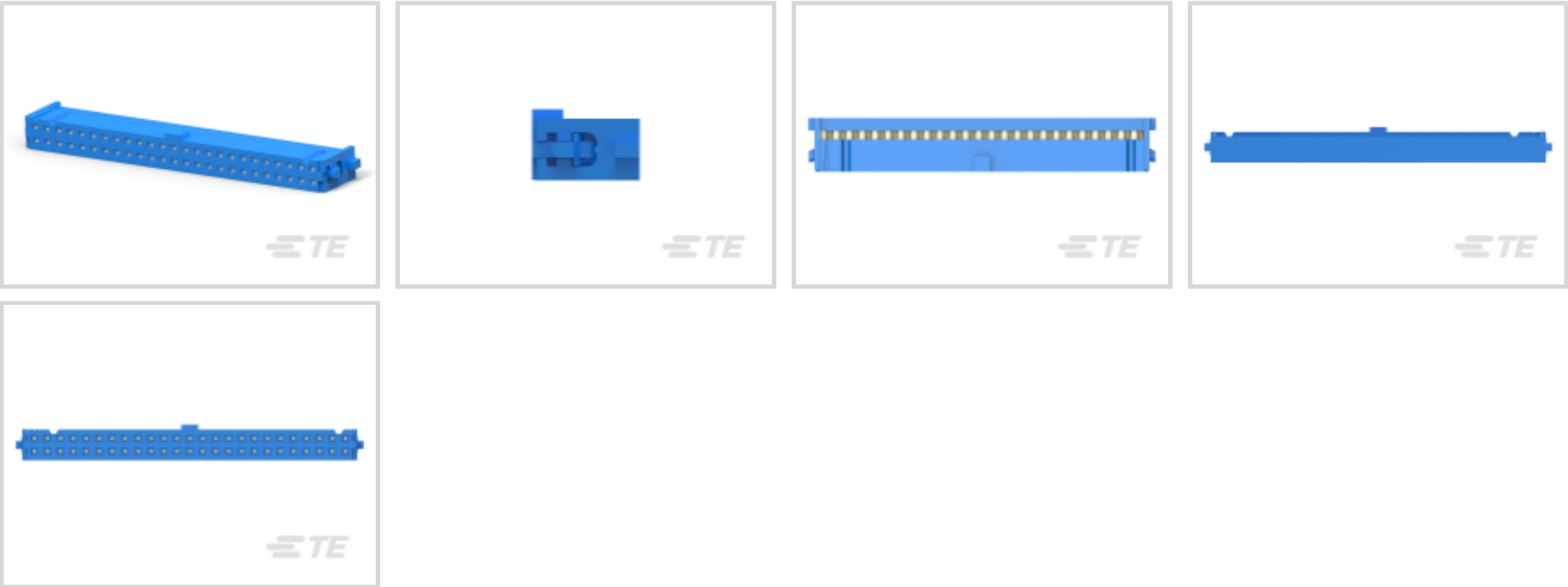


AMP-LATCH

TE Internal #: 2-1658526-3
Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, 2 Row,
Receptacle, Wire & Cable, Signal, Cable Mount (Free-Hanging),
Ribbon Cable Connectors

[View on TE.com >](#)

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

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)

Body Features

Primary Product Color	Blue
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Contact Features

Contact Mating Area Plating Material	Gold
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

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

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]
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Dimensions

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

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.



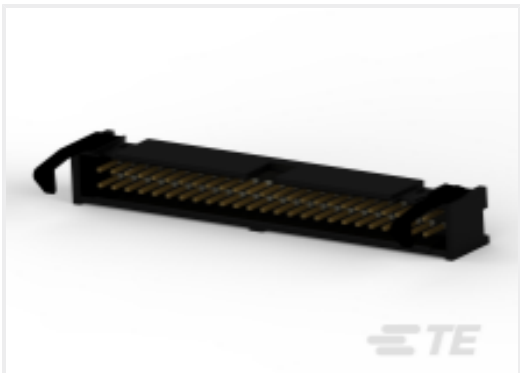
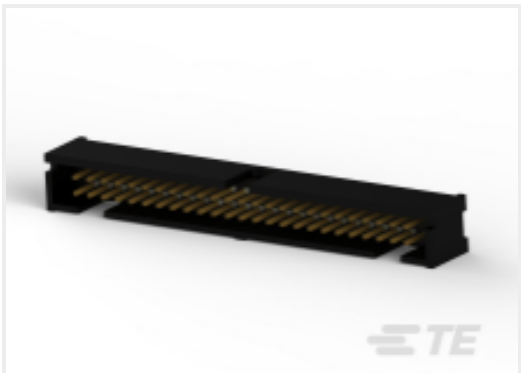
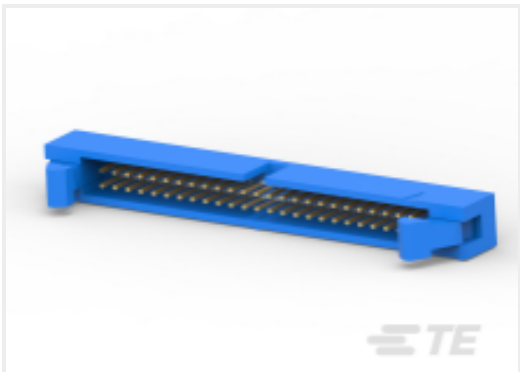
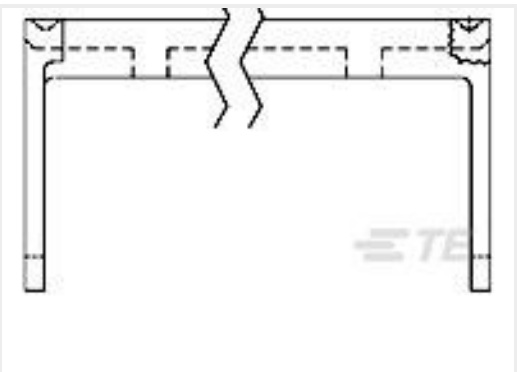
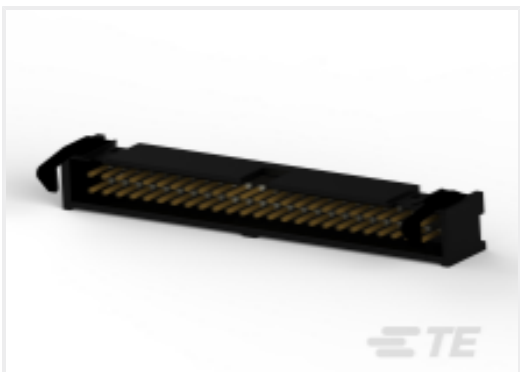
Solder Process Capability

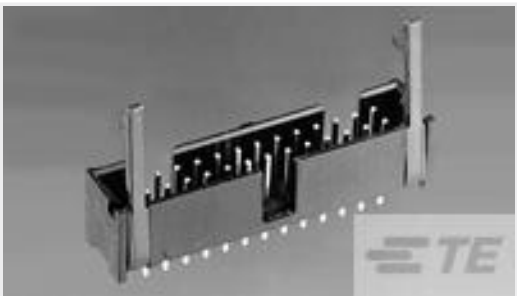
Not applicable for solder process capability

Product Compliance Disclaimer

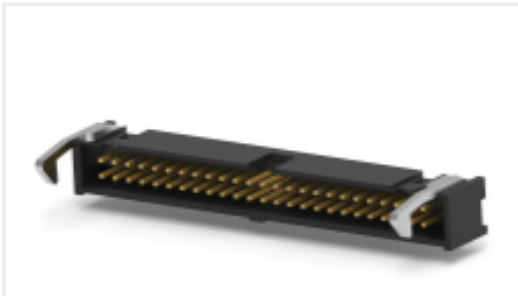
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

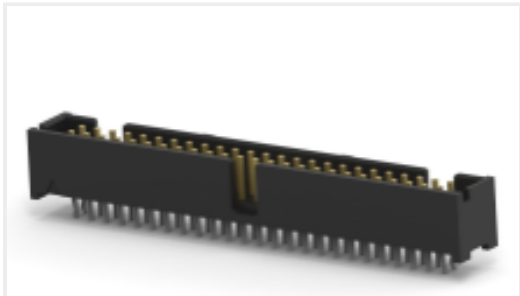
 TE Part # 1-1761606-5 IDC LOW PRO HDR 50P VERT LG LA	 TE Part # 1-5103310-0 A/L LOW PRO HDR 50P RA BLACK	 TE Part # 1-5103311-0 A/L LOW PRO HDR 50P RA BLACK	 TE Part # 3-1761605-5 IDC LOW PRO HDR 50P RA BLUE
 TE Part # 1-1761685-5 IDC LOW PRO HDR 50P VERT SHT LAT	 TE Part # 1-1761686-5 IDC LOW PRO HDR 50P VERT LG LAT	 TE Part # CAT-AM74-UN384H AMP-LATCH UNIVERSAL HEADERS	 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR
 TE Part # 1-1761608-5 IDC LOW PRO HDR 50P VERT SHT L	 TE Part # 1-1761609-5 IDC LOW PRO HDR 50P RA SHT LAT	 TE Part # 3-1761711-5 IDC LOW PRO HDR 50P VERT LG LA	 TE Part # 1-5103309-0 A/L LOW PRO HDR 50P VERT BLACK



TE Part # 104315-9
050 LOPRO HDR RA 30DP LATCH



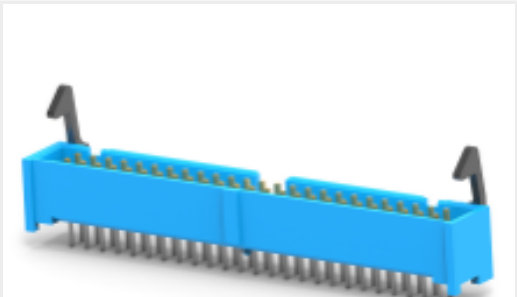
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IDC LOW PRO HDR 50P RA LG LAT BLK



TE Part # 5104338-9
A/L LOW PRO HDR 50P VERT HT



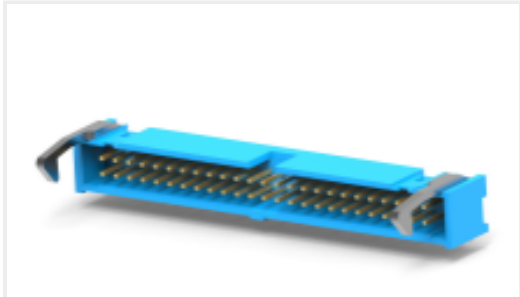
TE Part # 5104340-9
A/L LOW PRO HDR 50P RA HT



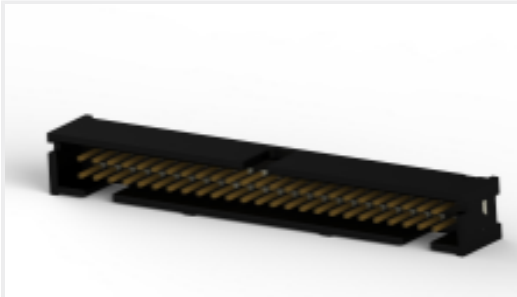
TE Part # 3-1761608-5
IDC LOW PRO HDR 50P VERT SHT L



TE Part # 1-111506-4
50 UNIV I/O, SLOTTED, LEAD FREE



TE Part # 3-1761607-5
IDC LOW PRO HDR 50P RA LG LAT



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

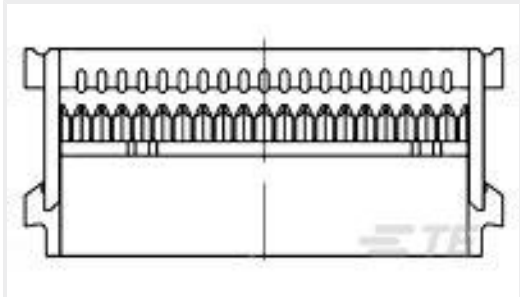
Customers Also Bought



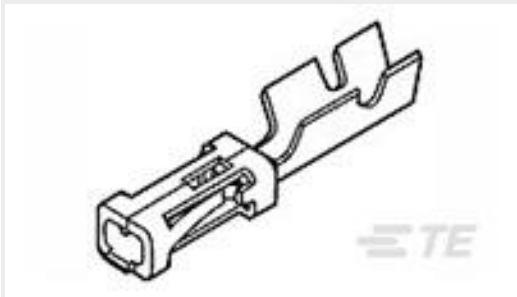
TE Part #1658640-1
HDP-20, RCPT, SIZE 5, 50 POSN



TE Part #5745413-1
37 PLUG SP/MS STD



TE Part #2-1658526-9
609-1630LF=FSKT IDC S 16 30AU



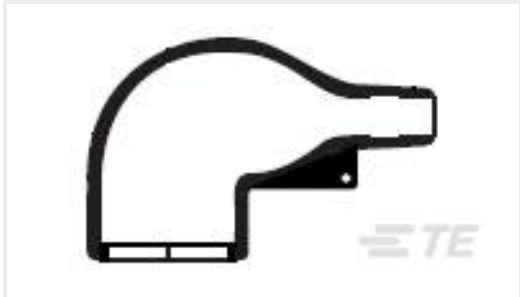
TE Part #1-87309-4
MOD V RECP LP



TE Part #5-861610-3
LGH, HIGH VOLTAGE PLUG



TE Part #5-2301995-4
RJ45 JACK INT.MAG. 1GB LED 1X1 VERT.



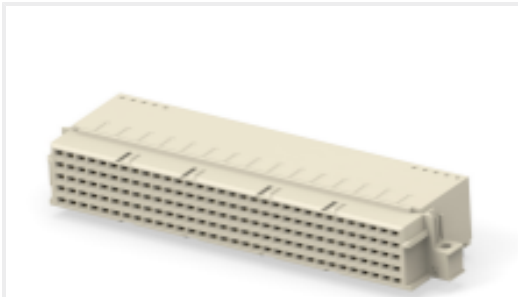
TE Part #800266-000
222K163-100-0



TE Part #5-1622796-1
YR1 0.1% 249K



TE Part #3-1625867-0
RP 1J 0.166W 12R4 0.1% 25PPM 1K RL



TE Part #374380-E
STVTE 160 FI ABCDE VVVV 7-03 TL-S **2

Documents



Product Drawings

609-5030LF FEM SOCKT,LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1658526-3_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1658526-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1658526-3_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