



AMP-LATCH

TE Internal #: 1658528-8
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	Black
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Contact Features

	15 µin
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Thickness	.127 µm[5 µin]
Wire Contact Termination Area Plating Material	Gold Flash



Mating Square Post Dimension	.64 mm[.025 in]
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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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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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) 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

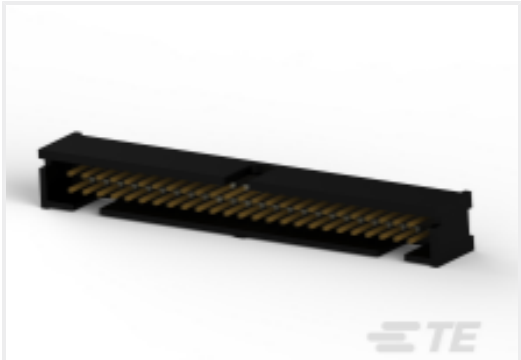
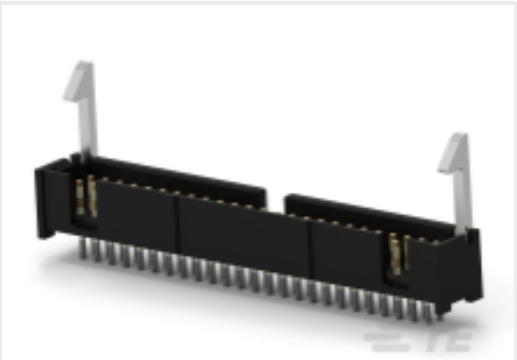
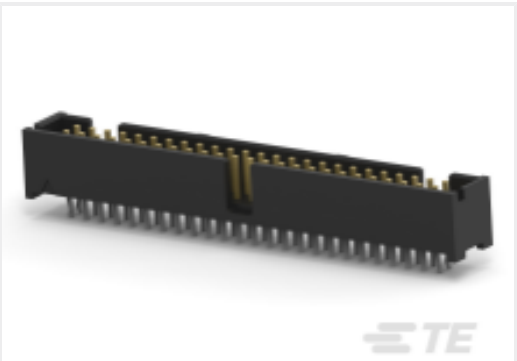
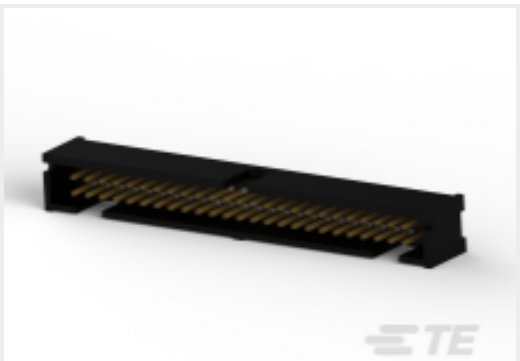
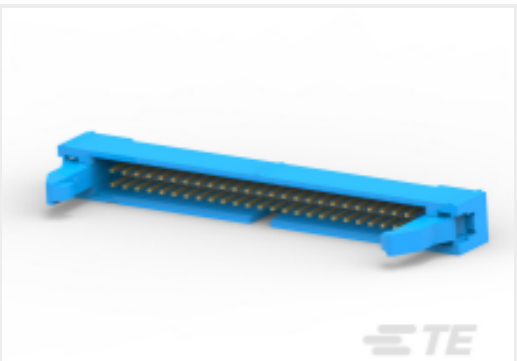
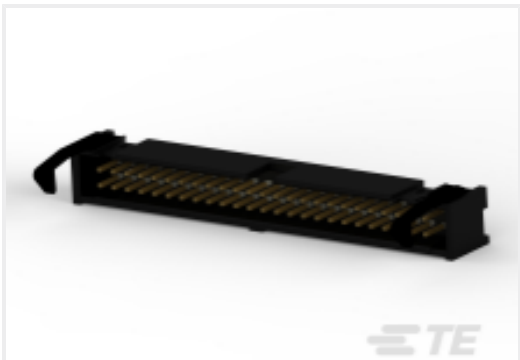
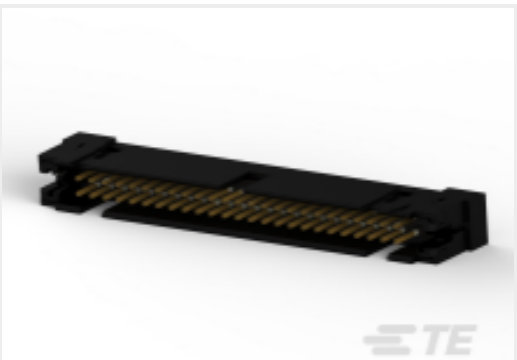
Product Compliance Disclaimer

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



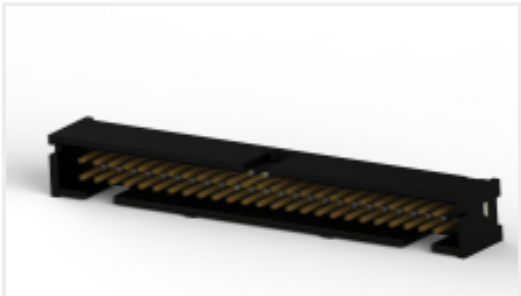
EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical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

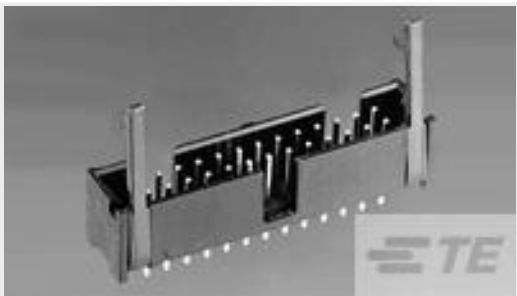
 TE Part # 1-1761607-5 IDC LOW PRO HDR 50P RA LAT BLK	 TE Part # 1-5103309-0 A/L LOW PRO HDR 50P VERT BLACK	 TE Part # 1-111506-4 50 UNIV I/O, SLOTTED,LEAD FREE	 TE Part # 104128-9 050 LOPRO HDR SP 30DP LATCH
 TE Part # 5104340-9 A/L LOW PRO HDR 50P RA HT	 TE Part # 3-1761607-5 IDC LOW PRO HDR 50P RA LAT	 TE Part # 3-1761711-5 IDC LOW PRO HDR 50P VERT LA	 TE Part # 5104338-9 A/L LOW PRO HDR 50P VERT HT
 TE Part # 1-5103311-0 A/L LOW PRO HDR 50P RA BLACK	 TE Part # CAT-AM74-UN384H AMP-LATCH UNIVERSAL HEADERS	 TE Part # 1-5103310-0 A/L LOW PRO HDR 50P RA BLACK	 TE Part # 1-1761686-5 IDC LOW PRO HDR 50P VERT LAT
 TE Part # 1-1761606-5 IDC LOW PRO HDR 50P VERT LA	 TE Part # 3-1761605-5 IDC LOW PRO HDR 50P RA BLUE	 TE Part # 111293-1 UNIVERSAL HEADER LATCH	 TE Part # 1-111446-7 50 UNIV I/O, NO EARS,LEAD FREE



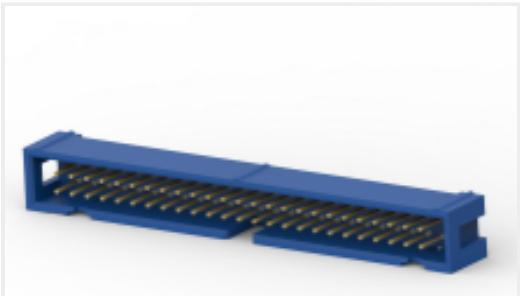
TE Part # 1-1761681-5
IDC LOW PRO HDR 50P VERT HT
BLACK



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

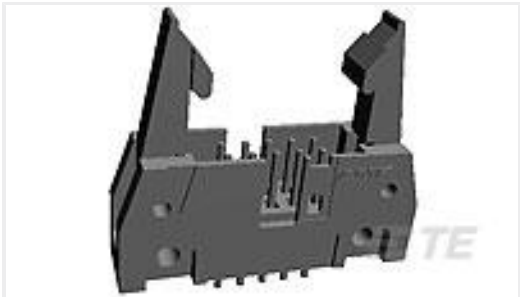


TE Part # 3-1761712-5
IDC LOW PRO HDR 50P RA LAT



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

Customers Also Bought



TE Part #1-102321-0
050 UNIV HDR SP 4S 30DP STD L1



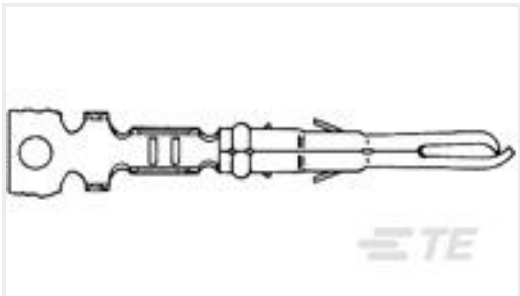
TE Part #1-175102-1
AMP CT CRIMP REC CONTACT



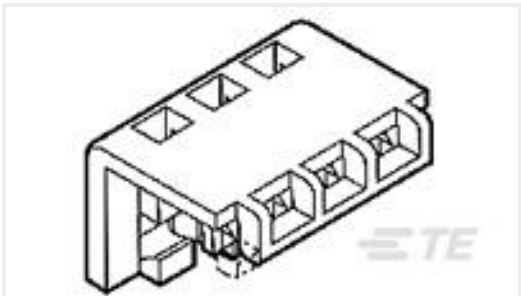
TE Part #206227-6
23-7 RECEPT REV SEX,THRD INSRT



TE Part #206306-5
CPC RECEPT ASSEMBLY SIZE 23-37



TE Part #350018-1
058 PIN 26-18 008PTPBR



TE Part #643067-3
03P MTA156 MOLDED COVER



TE Part #1-1393143-0
27E127=SOCKET,R10,22,SLG,PHE



TE Part #6-1462037-6
IM46TS=IM RELAY 100mW 12V BIS



TE Part #8-5227079-2
COMM BNC PLUG



TE Part #5748642-1
KIT,RCPT,62P,HDP-22,SHLD ENCLS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658528-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1658528-8_D.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_1658528-8_D.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