

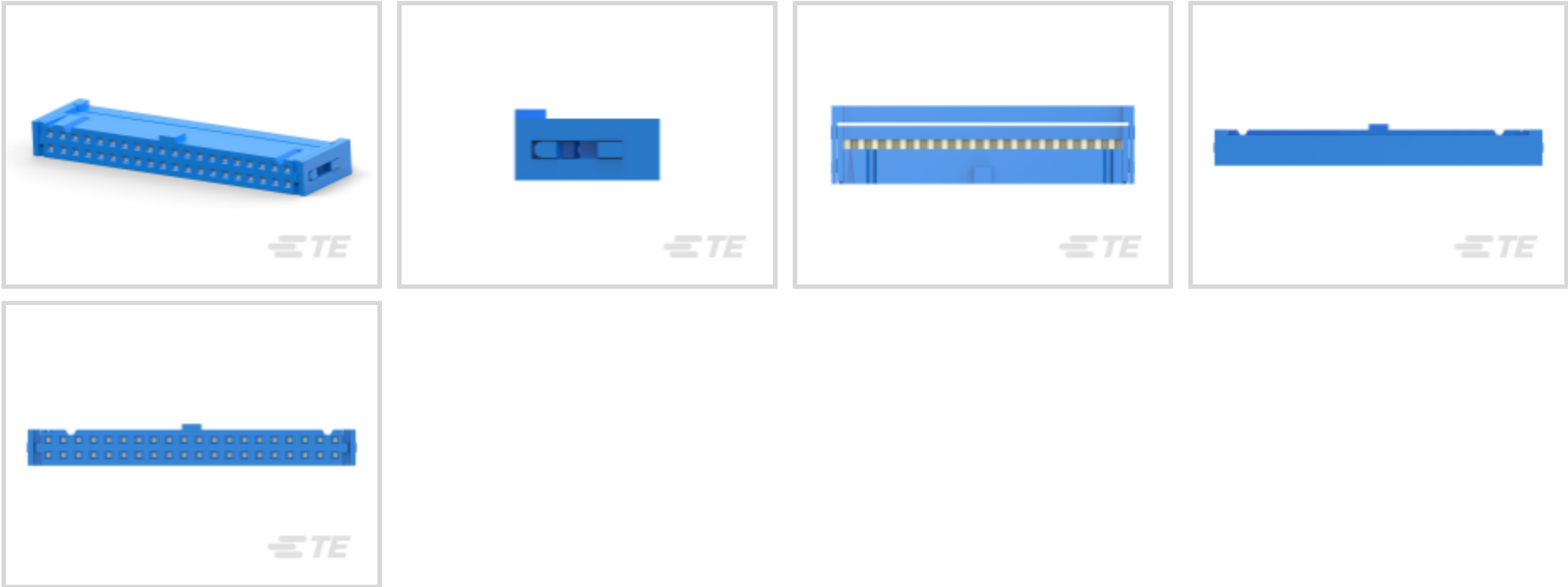


AMP-LATCH

TE Internal #: 2-1658526-1
Wire-to-Board, 40 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: **40**
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	40
Number of Rows	2

Body Features

Primary Product Color	Blue
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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
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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]
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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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) 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

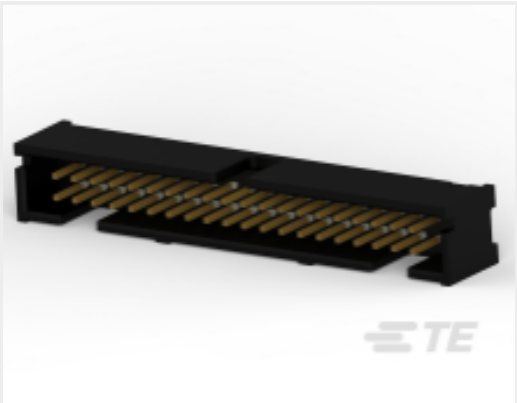
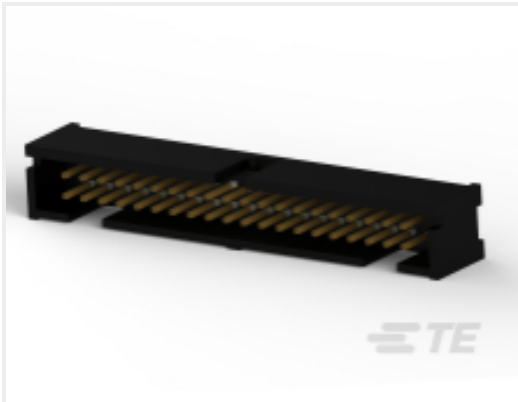
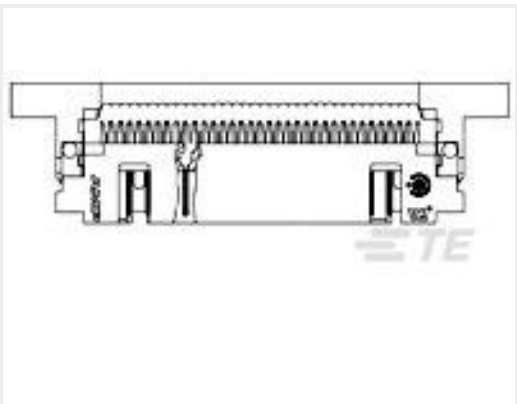
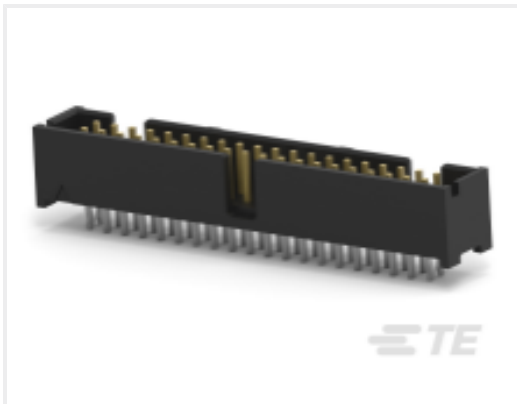
Product Compliance Disclaimer

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 # 5103308-8 A/L LOW PRO HDR 40P VERT BLACK	 TE Part # 1-1761686-3 IDC LOW PRO HDR 40P VERT LAT	 TE Part # 2-111506-4 040 UNIV I/O 30DP SLOT LTCH	 TE Part # 1-1761606-3 IDC LOW PRO HDR 40P VERT LAT BLK
 TE Part # 102312-2 UNIVERSAL HEADER LATCH	 TE Part # 5103309-8 A/L LOW PRO HDR 40P VERT BLACK	 TE Part # 1-1761607-3 IDC LOW PRO HDR 40P RA LAT BLK	 TE Part # 2-111446-3 040 UNIV I/O 30DP NO EARS
 TE Part # 5111448-9 040 UNIV I/O 30DP SLOT	 TE Part # 5103310-8 A/L LOW PRO HDR 40P RA BLACK	 TE Part # 5104338-8 A/L LOW PRO HDR 40P VERT HT	 TE Part # 3-1761607-3 IDC LOW PRO HDR 40P RA LAT
 TE Part # CAT-AM74-UN384H AMP-LATCH UNIVERSAL HEADERS	 TE Part # 1-1761682-3 IDC LOW PRO HDR 40P RA HT BLACK	 TE Part # 3-1761711-3 IDC LOW PRO HDR 40P VERT LA	 TE Part # 1-1761681-3 IDC LOW PRO HDR 40P VERT HT BLACK



TE Part # 3-1761605-3
IDC LOW PRO HDR 40P RA BLUE

TE Part # 5104340-8
A/L LOW PRO HDR 40P RA HT

TE Part # 3-1761712-3
IDC LOW PRO HDR 40P RA LAT

TE Part # 3-1761603-3
IDC LOW PRO HDR 40P VERT BLUE

Customers Also Bought

TE Part #1658610-4
09 POS HDF RCPT, MS, LEAD FREE

TE Part #1658526-5
609-1041LF FEM SOCKET, LEAD FREE

TE Part #1658525-6
622-1053LF, PCB IDC, LEAD FREE

TE Part #2-2176606-2
RLC73PD 3A 1R0 1% 2K RL

TE Part #1676282-1
RN 0805 2K0 0.1% 10PPM CUT LENGTH

TE Part #1-6609104-7
PE0S0SS6B=C1165

TE Part #5206514-6
SLIDING LOCK POST KIT

TE Part #1-1658526-3
609-2041LF FEM SOCKET, LEAD FREE

TE Part #746603-4
64 EUROLATCH LEAD FREE

TE Part #2-100103-0
20P.A/L.STRAIN REL.

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1658526-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1658526-1_C.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_2-1658526-1_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

Agency Approvals

[Agency Approval Document](#)

English