

2-1658526-1 ✓ ACTIVE



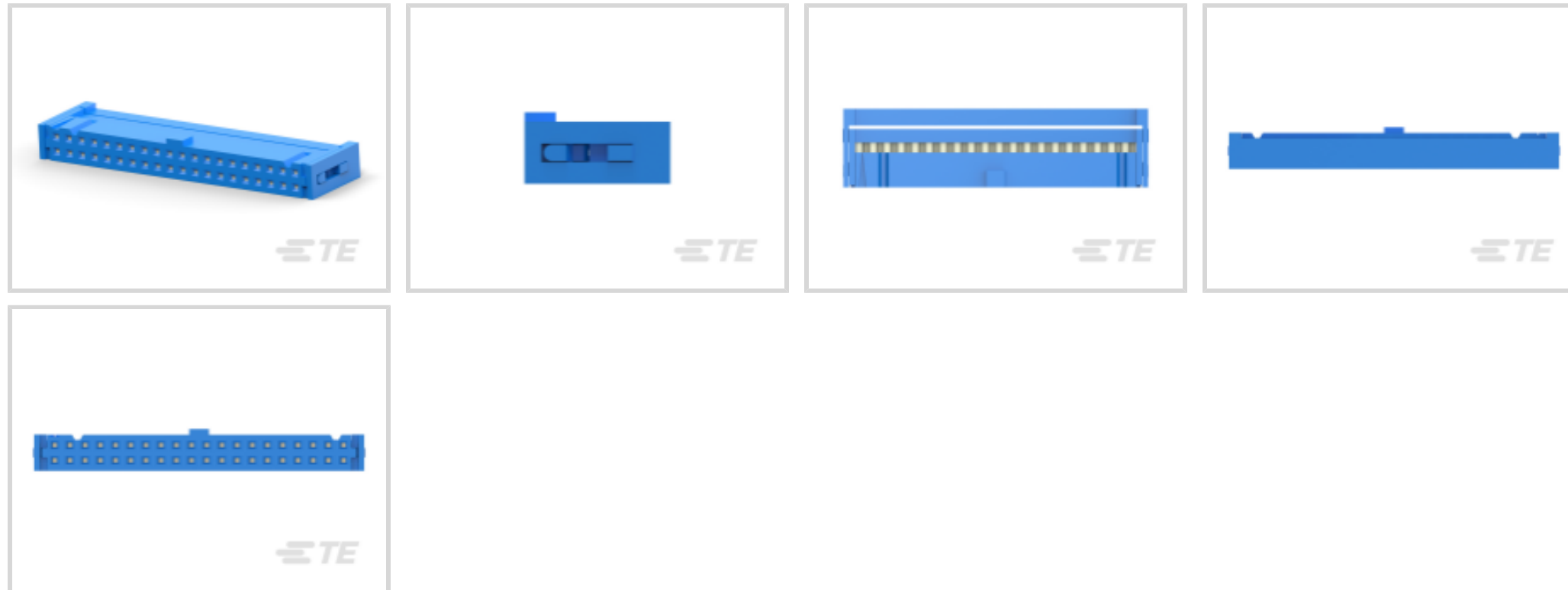
## AMP-LATCH

TE Internal #: 2-1658526-1

Ribbon Cable Connectors, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, 2 Row, Receptacle, Polarization Mating Alignment Type, Wire & Cable

[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: **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

Wire Contact Termination Area Plating Thickness	2.54 – 5.08 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Material	Tin
	30 $\mu\text{in}$
Contact Mating Area Plating Material	Gold



Contact Current Rating (Max)	1 A
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### Termination Features

Rectangular Termination Post & Tail Thickness	.36 mm[.014 in]
Rectangular Termination Post & Tail Width	.46 mm[.018 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

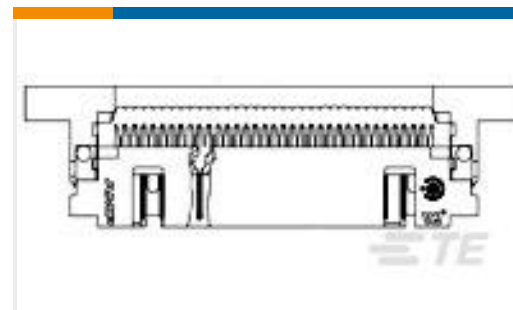




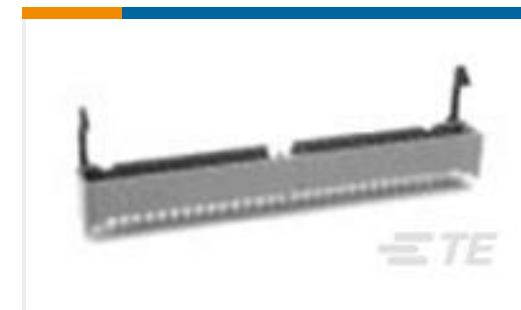
TE Part # 5104340-8  
A/L LOW PRO HDR 40P RA HT



TE Part # 1-1761686-3  
IDC LOW PRO HDR 40P VERT LG LAT



TE Part # 5111448-9  
040 UNIV I/O 30DP SLOT



TE Part # 3-1761711-3  
IDC LOW PRO HDR 40P VERT LG LA

## Customers Also Bought



TE Part #1623782-3  
Wirewound Resistor: Vertical Mount



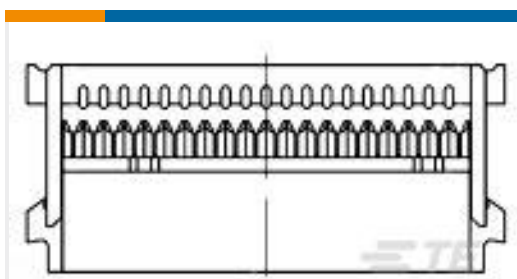
TE Part #2176117-6  
TLR 1206 1.0W R004 1% 50PPM 2K RL



TE Part #T4141012121-000  
M12,REAR MOUNT,FEMALE,A,12P,  
SOLDER PCB



TE Part #926209-3  
LOCKING CLIP HSG.



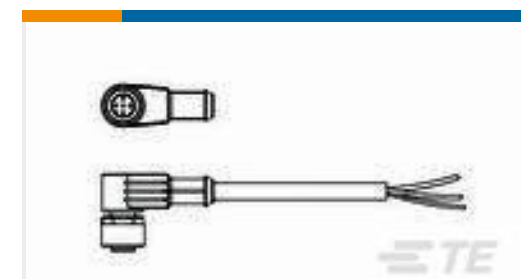
TE Part #1658526-5  
609-1041LF FEM SOCKET,LEAD FREE



TE Part #1676172-2  
RN 0805 12K1 0.1% 10PPM 1KRL



TE Part #1676213-2  
RN 0805 18K7 0.1% 10PPM 1KRL



TE Part #1-2273089-1  
M12 x 1.0 angled socket pigt A

## Documents

### Product Drawings

[609-4041LF FEM SOCKET,LEAD FREE](#)

English

### 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

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

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### Agency Approvals

[Agency Approval Document](#)

English