

5111448-9 ✓ ACTIVE

## AMP-LATCH

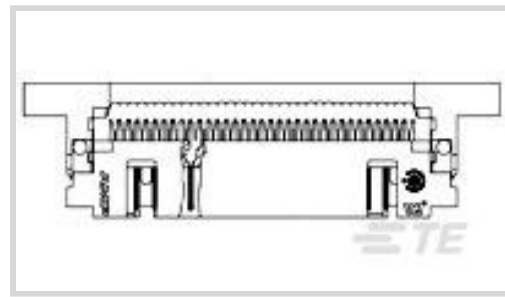
TE Internal #: 5111448-9

Ribbon Cable Connectors, Wire-to-Wire, 40 Position, .1 in [2.54 mm] Centerline, Insulation Displacement (IDC), 2 Row, Plug

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Wire**

Number of Positions: **40**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

## Features

### Product Type Features

Connector Type	Connector Assembly
Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	40
Number of Rows	2

### Electrical Characteristics

UL Voltage Rating	250 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

### Contact Features

Contact Mating Area Length	6.1 mm[.24 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material	Tin



Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
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Contact Shape & Form	Square
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

Mating Alignment	With
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PCB Mount Alignment	Without
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Panel Mount Feature	Without
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Panel Mount Feature Type	Mounting Ears
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PCB Mount Retention	Without
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Mating Alignment Type	Keyed
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Mating Retention	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Color	Black
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Centerline (Pitch)	2.54 mm[.1 in]
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### Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
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Connector Length	75.59 mm[2.976 in]
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Connector Height	14.48 mm[.57 in]
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Connector Width	8.38 mm[.33 in]
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Wire Size	.08 – .15 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
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Row-to-Row Spacing	2 mm[.1 in]
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### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards



CSA File Number	LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
UL File Number	E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	20
Packaging Method	Box & Tray, Tray

### Other

Comment	Mates with Receptacles
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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 2022 (223) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
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 # 499252-1  
040 STRAIN RELIEF A-L RCPT



TE Part # 1-1658527-3  
622-4041LF FEM SOCKET, LEAD FREE



TE Part # 1658622-9  
40 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1658620-9  
40 NOVO MIL 15DP, LEAD FREE



TE Part # 1658623-9  
40 NOVO MIL 30DP, LEAD FREE



TE Part # 2-1658526-1  
609-4041LF FEM SOCKET, LEAD FREE



TE Part # 1-1658528-9  
636-4041LF=FEM SKT BLD POL S/R



TE Part # CAT-AM71-A85022  
Female Socket Connectors: Strain Relief



TE Part # 1-1658527-2  
622-4030LF FEM SOCKET, LEAD FREE



TE Part # 1658621-9  
40 NOVO MIL/CTR 15DP, LEAD FREE



TE Part # 2-1658526-0  
609-4030LF FEM SOCKET, LEAD FREE



TE Part # 1658624-9  
40 NOVO DUAL 30DP, LEAD FREE

### Customers Also Bought



TE Part #206151-1  
CPC SERIES 1



TE Part #206150-1  
CPC SERIES 6



TE Part #1-66099-5  
TYPE III CONTACTS LP



TE Part #53894-4  
HSG ASSY, PWR LK, SRS1, 1 POS, RED



TE Part #53894-2  
HSG ASSY, PWR LK, SRS1, 1 POS, BLK



TE Part #54329-1  
CONTACT, PWR LK, SRS1, LS PC, SLDR

### Documents



### Product Drawings

#### 040 UNIV I/O 30DP SLOT

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5111448-9\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5111448-9\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5111448-9\\_B.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### Ribbon Cable Interconnect Solutions

English

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### Agency Approval Document

English