

2-111446-1 ✓ ACTIVE

## AMP-LATCH

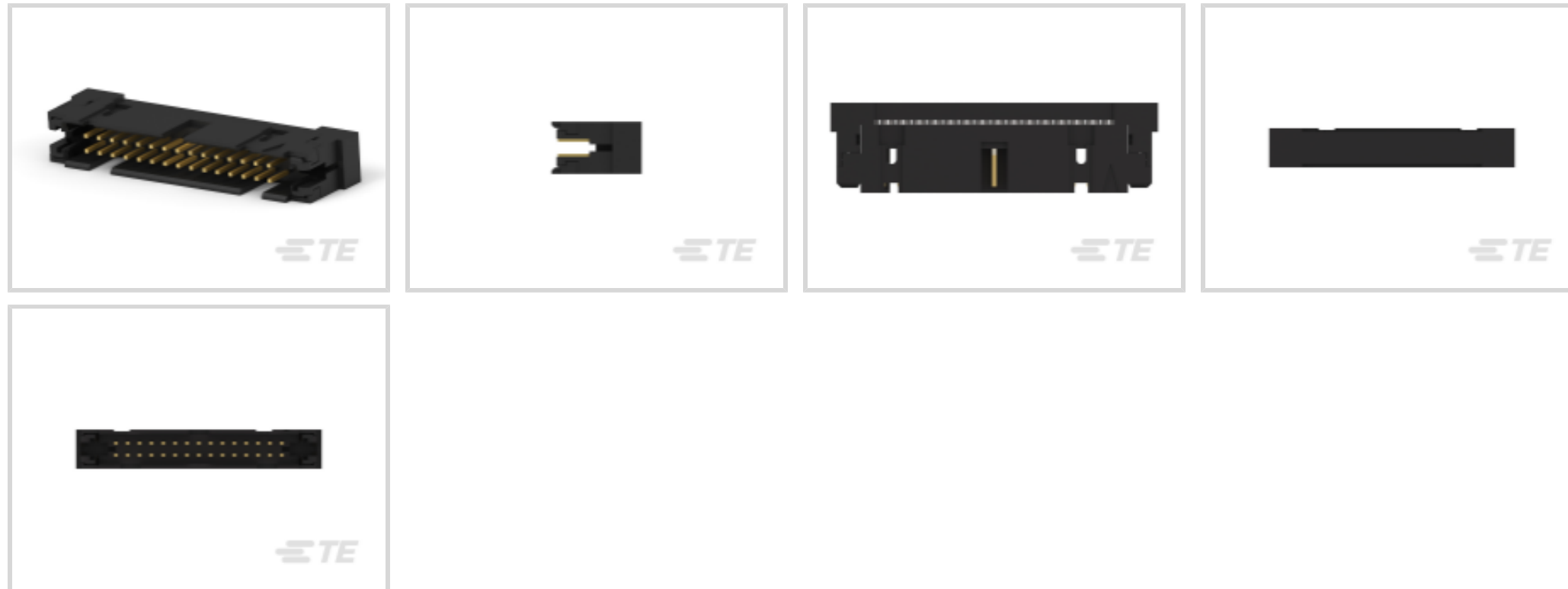
TE Internal #: 2-111446-1

Ribbon Cable Connectors, Wire-to-Wire, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile

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



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

Number of Positions: **30**

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

PCB Mount Retention: **Without**

PCB Mount Retention Type: **Screw Mount**

### Features

#### Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| 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   | 30       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

#### Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage     | 250 VAC |

#### Body Features

|             |         |
|-------------|---------|
| Daisy Chain | Without |
|-------------|---------|



|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
| Connector Profile     | Low   |

### 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 $\mu$ m[100 $\mu$ in]               |
| Wire Contact Termination Area Plating Material  | Tin                                      |
| Contact Mating Area Plating Material Thickness  | .76 $\mu$ m[29.92 $\mu$ in][30 $\mu$ in] |
| Contact Base Material                           | Phosphor Bronze                          |
| Contact Current Rating (Max)                    | 1 A                                      |

### Termination Features

|   |                               |
|---|-------------------------------|
| Termination Method to Wire & Cable          | Insulation Displacement (IDC) |
| Termination Method to Printed Circuit Board | Through Hole - Solder         |

### Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Mating Alignment         | With                       |
| PCB Mount Alignment      | With                       |
| Panel Mount Feature      | Without                    |
| PCB Mount Retention      | Without                    |
| PCB Mount Retention Type | Screw Mount                |
| Mating Alignment Type    | Keyed                      |
| Mating Retention         | Without                    |
| Connector Mounting Type  | Cable Mount (Free-Hanging) |

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Thermoplastic  |
| Centerline (Pitch) | 2.54 mm[.1 in] |

### Dimensions

|                        |                           |
|------------------------|---------------------------|
| Shrouded End Dimension | 3.81 mm[.15 in]           |
| Connector Length       | 52.63 mm[2.072 in]        |
| Connector Height       | 14.48 mm[.57 in]          |
| Connector Width        | 8.38 mm[.33 in]           |
| Wire Size              | .08 – .15 mm <sup>2</sup> |



|                                      |                               |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | .81 – .97 mm [.032 – .038 in] |
|--------------------------------------|-------------------------------|

|                    |              |
|--------------------|--------------|
| Row-to-Row Spacing | 2 mm [.1 in] |
|--------------------|--------------|

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -65 – 105 °C [-85 – 221 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

|                        |               |
|------------------------|---------------|
| Solder Process Feature | Solder Dipped |
|------------------------|---------------|

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

|                 |         |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

|                    |                       |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 50 |
|--------------------|----|

|                  |                  |
|------------------|------------------|
| Packaging Method | Box & Tray, Tray |
|------------------|------------------|

## 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
|--|---|

|                 |  |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|




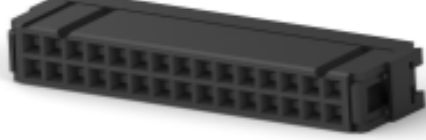

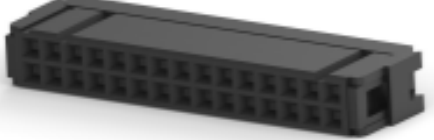

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not applicable for solder process capability |
|---------------------------|--|

#### 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

|  |  |  |  |
|--|--|--|--|
|  <p>TE Part # 1-499252-2<br/>030 STRAIN RELIEF A-L RCPT</p> |  <p>TE Part # 1658621-7<br/>30 NOVO MIL/CTR 15DP, LEAD FREE</p> |  <p>TE Part # 1658622-7<br/>30 NOVO MIL/CTR 30DP, LEAD FREE</p> |  <p>TE Part # 1658623-7<br/>30 NOVO MIL 30DP, LEAD FREE</p>       |
|  <p>TE Part # 111547-7<br/>030 UNIV I/O STRAIN RELIEF</p> |  <p>TE Part # 1658620-7<br/>30 NOVO MIL 15DP, LEAD FREE</p>   |  <p>TE Part # 1658624-7<br/>30 NOVO DUAL 30DP, LEAD FREE</p>  |  <p>TE Part # 2-1658527-7<br/>622-3041LF=FSKT IDC S 30 30AU</p> |

## Customers Also Bought

|   |  |   |   |
|---|--|---|---|
|  <p>TE Part #GA10K3MCD1<br/>MCD PROBE, 10K OHMS,</p> |  <p>TE Part #2-103168-3<br/>50 MODII HDR DRST SHRD .100CL</p> |  <p>TE Part #3-534998-0<br/>60 MODIV VRT DR CE 100/125</p> |  <p>TE Part #5103311-9<br/>A/L LOW PRO HDR 44P RA BLACK</p>  |
|  <p>TE Part #1-2129334-1<br/>DC Power Plug Conn</p>  |  <p>TE Part #C11336-000<br/>WP-101635-2.5-9</p>               |  <p>TE Part #171082-1<br/>GUIDE PIN</p>                    |  <p>TE Part #2-87592-6<br/>60 MODII HDR DRST SHRD .100CL</p> |

## Documents

**Product Drawings**  
030 UNIV I/O 30DP NO EARS



English

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**CAD Files**

Customer View Model

[ENG\\_CVM\\_CVM\\_2-111446-1\\_M.2d\\_dxf.zip](#)

English

**3D PDF**

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-111446-1\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-111446-1\\_M.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

[Ribbon Cable Interconnect Solutions](#)

English

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**Product Specifications**

[Application Specification](#)

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**Agency Approvals**

[Agency Approval Document](#)

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