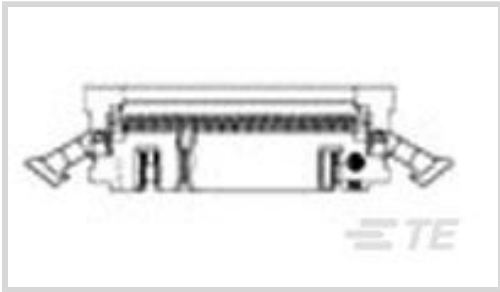




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

Number of Positions: **44**

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

PCB Mount Retention: **Without**

Row-to-Row Spacing: **2 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 44 |
| Number of Rows      | 2  |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Daisy Chain           | Without |
| Primary Product Color | Black   |
| Connector Profile     | Low     |

Contact Features

|  |                           |
|--|---------------------------|
| PCB Contact Termination Area Plating Material Finish | Matte                     |
| Contact Mating Area Plating Material Thickness       | .76 μm[29.92 μin][30 μin] |



|   |                  |
|---|------------------|
| Wire Contact Termination Area Plating Material  | Tin              |
| Mating Square Post Dimension                    | .64 mm[.025 in]  |
| Contact Shape & Form                            | Dual Beam        |
| Contact Mating Area Length                      | 6.1 mm[.24 in]   |
| Contact Base Material                           | Phosphor Bronze  |
| PCB Contact Termination Area Plating Material   | Tin              |
| Wire Contact Termination Area Plating Thickness | 2.54 μm[100 μin] |
| Contact Type                                    | Pin              |
| Contact Current Rating (Max)                    | 1 A              |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
| Termination Post & Tail Length     | 3.3 mm[.13 in]                |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| Panel Mount Feature      | With           |
| Panel Mount Feature Type | Mounting Ears  |
| Mating Alignment         | With           |
| PCB Mount Retention      | Without        |
| Mating Alignment Type    | Keyed          |
| Mating Retention         | With           |
| Mating Retention Type    | Ejection Latch |
| Connector Mounting Type  | Panel Mount    |

Housing Features

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

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | .81 – .97 mm[.032 – .038 in] |
| Shrouded End Dimension               | 3.81 mm                      |
| Connector Width                      | 8.38 mm[.33 in]              |
| Wire Size                            | 28 – 26 AWG                  |
| Connector Height                     | 27.81 mm[1.095 in]           |
| Connector Length                     | 80.67 mm[3.176 in]           |
| Row-to-Row Spacing                   | 2 mm[.1 in]                  |



Usage Conditions

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

Operation/Application

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

Industry Standards

|   |                       |
|---|-----------------------|
| Compatible With Agency/Standards Products   | CSA, UL               |
| UL Rating                                   | Recognized            |
| UL Flammability Rating                      | UL 94V-0              |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |

Packaging Features

|                    |                  |
|--------------------|------------------|
| Packaging Quantity | 30               |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling



based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 1-1658622-3  
044 NOVO MIL/CTR 30DP,LEAD FREE

TE Part # 1-1658621-3  
044 NOVO CTR&MIL 15DP FT

TE Part # 1-499252-1  
044 STRAIN RELIEF A-L RCPT

Customers Also Bought

TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

TE Part #281934-2  
SINGLE WIRE SEAL

TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT

Documents

Product Drawings  
044 UNIV I/O 30DP SLOT LTCH  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2-111506-5\_K.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-111506-5\_K.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-111506-5\\_K.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

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Removal Tool for Universal Header Latches](#)

English

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

English

Agency Approvals

[Agency Approval Document](#)

English