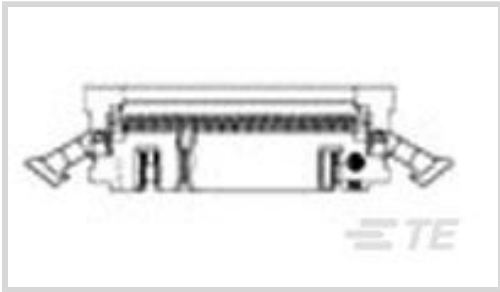




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

Number of Positions: **50**

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

PCB Mount Retention: **Without**

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

Features

Electrical Characteristics

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

Industry Standards

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

Termination Features

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

Packaging Features

| | |
|--------------------|------------------|
| Packaging Quantity | 30 |
| Packaging Method | Tray, Box & Tray |

Contact Features

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

Body Features

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

Dimensions

| | |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | .81 – .97 mm[.032 – .038 in] |
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Width | 8.38 mm[.33 in] |
| Wire Size | 28 – 26 AWG |
| Connector Height | 23.75 mm[.935 in] |
| Connector Length | 88.29 mm[3.476 in] |
| Row-to-Row Spacing | 2 mm[.1 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] |

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 | 50 |
| Number of Rows | 2 |

Usage Conditions

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

Operation/Application

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

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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 2024 (241) 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 |


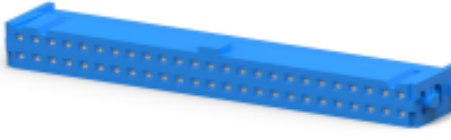



Product Compliance Disclaimer

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





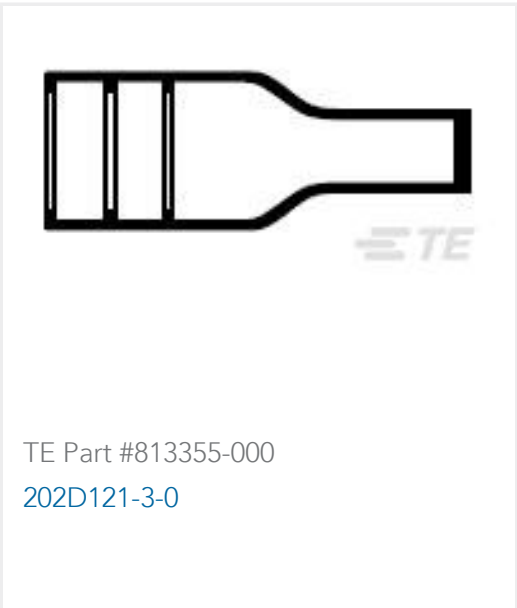
materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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 # 1-1658622-0 50 NOVO MIL/CTR 30DP,LEAD FREE |  TE Part # 2-1658526-3 609-5030LF FEM SOCKET,LEAD FREE |  TE Part # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE |  TE Part # 1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE |
|  TE Part # 1-1658624-0 050 NOVO DUAL 30DP FT |  TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1 |  TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE |  TE Part # 1-1658527-4 622-5030LF FEM SOCKET,LEAD FREE |

Customers Also Bought

| | | | |
|---|--|--|---|
|  TE Part #CAT-R21-56701 Convolved Heat Shrink Uni Boots: Lipped, Straight |  TE Part #3-643813-2 02P MTA100 CONN ASSY POL RIB |  TE Part #1SET411003R0000 WD-1-DP-GR1008 |  TE Part #1658622-3 16 NOVO MIL/CTR 30DP,LEAD FREE |
|  TE Part #1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE |  TE Part #4-1879353-4 RR02 5% 270K AMMO |  TE Part #499922-1 010 UNIV HDR SP 4S 15DP STD L1 |  TE Part #2-111494-6 064 UNIV I/O 30DP SLOT LTCH |



Documents

Product Drawings

[050 UNIV I/O 30DP SLOT LTCH](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-111494-4_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-111494-4_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-111494-4_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