



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**
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

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|-----------------------|----------|
| Number of Positions | 40 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

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



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

Contact Features

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|---|---------------------------|
| 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 µm[29.92 µin][30 µin] |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 1 A |

Termination Features

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|---|-------------------------------|
| 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

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

Dimensions

| | |
|------------------------|--------------------|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Length | 65.33 mm[2.572 in] |
| Connector Height | 14.48 mm[.57 in] |
| Connector Width | 8.38 mm[.33 in] |
| Wire Size | .08 – .15 mm² |



| | |
|--------------------------------------|-------------------------------|
| Compatible Insulation Diameter Range | .81 – .97 mm [.032 – .038 in] |
| Row-to-Row Spacing | 2 mm [.1 in] |

Usage Conditions

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|-----------------------------|-----------------------------|
| 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 | 40 |
| 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) 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 # 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 # 1658621-9
40 NOVO MIL/CTR 15DP,LEAD FREE

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

TE Part # 2-1658526-0
609-4030LF FEM SOCKET,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 # 1658624-9
40 NOVO DUAL 30DP, LEAD FREE


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

TE Part # 111547-9
040 UNIV I/O STRAIN RELIEF


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

Customers Also Bought







TE Part #6609012-5
10EH1=F7647 S0




TE Part #2-1761609-3
IDC LOW PRO HDR 10P RA SHT LAT




TE Part #535541-1
03 MODIV VRT SR CE 100/115




TE Part #2213772-7
AV22 SPM 5A MOVE RING LED RED 24V



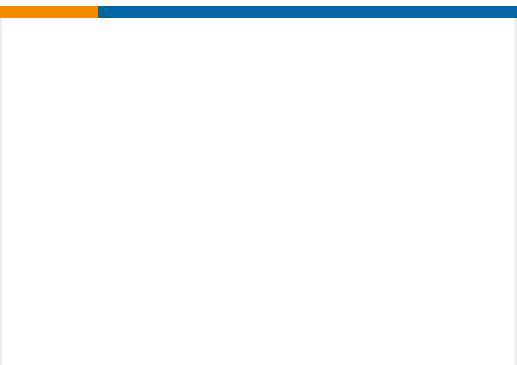
TE Part #1-2213772-5
AV22 SPM 5A MOVE RING LED GREEN 24V




TE Part #LM31-00000F-005PG
5PSIG LIQUID LEVEL PRESSURE TRANSDUCER



TE Part #1-2159395-9
IBM 00LU390 ETHERNET



TE Part #11027828-00
BL CLS 2, 3.0M SENSOR W/35M



TE Part #6653610-1
IBM 10N7405 ENET WRAP PLUG PANTERA

Documents

Product Drawings
040 UNIV I/O 30DP NO EARS
English

CAD Files
Customer View Model
ENG_CVM_CVM_2-111446-3_M.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2-111446-3_M.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2-111446-3_M.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

Agency Approvals

Agency Approval Document

English