

746610-3 ✓ ACTIVE

AMP-LATCH

TE Internal #: 746610-3

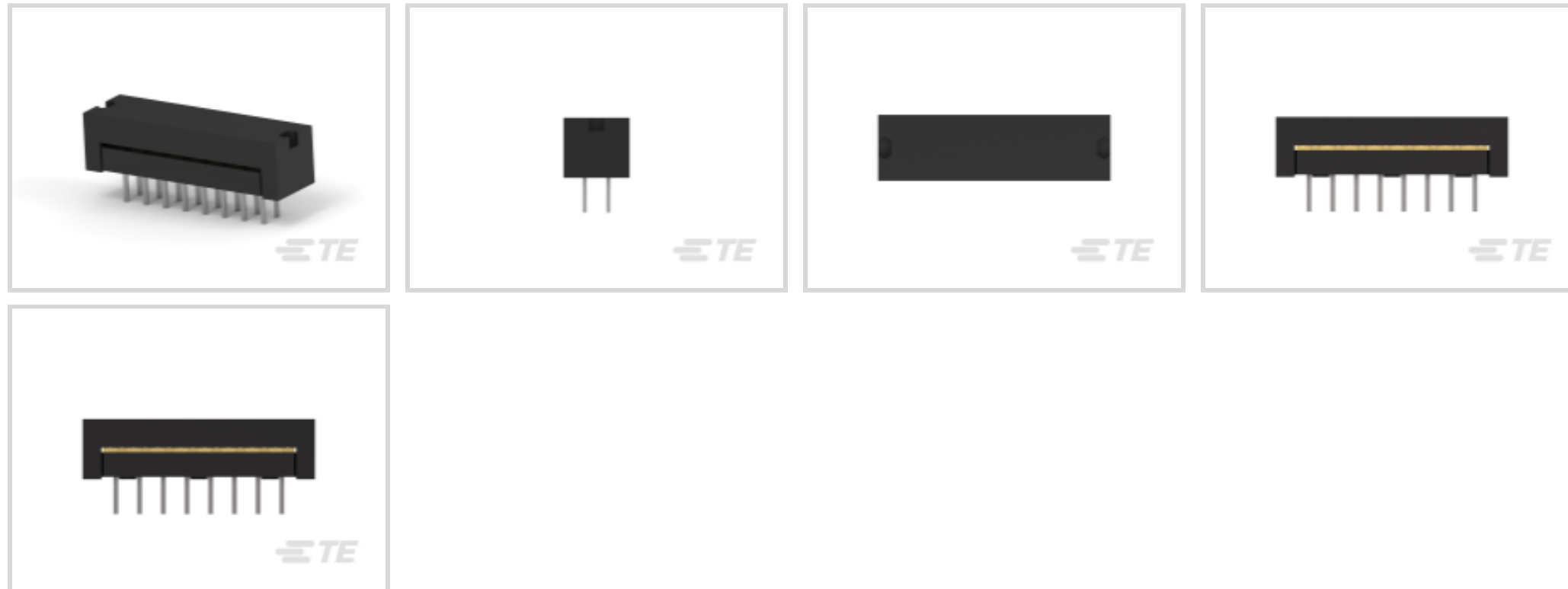
Ribbon Cable Connectors, Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, Insulation

Displacement (IDC), 2 Row

[View on TE.com >](#)



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



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

Number of Positions: **16**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

| | |
|------------------------------------|-------------------------------------|
| Connector Type | Connector Assembly |
| Ribbon Cable Connector Header Type | Pin Header |
| Connector Product Type | Connector Assembly |
| Connector System | Wire-to-Board |
| Connector & Housing Type | Plug |
| Connector & Contact Terminates To | Printed Circuit Board, Wire & Cable |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 16 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

| | |
|-------------------|----------|
| Daisy Chain | Without |
| Connector Profile | Standard |

Contact Features

| | |
|---|---|
| Contact Layout | Inline |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 μm [100 – 200 μin] |
| Contact Type | Pin |
| Wire Contact Termination Area Plating Thickness | 2.54 – 5.08 μm [100 – 200 μin] |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2.54 μm [100 μin] |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|-------------------------------|
| Rectangular Termination Post & Tail Thickness | .32 mm[.013 in] |
| Rectangular Termination Post & Tail Width | .5 mm[.02 in] |
| Termination Post & Tail Length | 3.96 mm[.156 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |

Mechanical Attachment

| | |
|-------------------------|--------------|
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Mating Alignment Type | Polarization |
| Mating Retention | Without |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions



| | |
|--|-------------------------------|
| Connector Length | 24.89 mm[.98 in] |
| Connector Height | 6.43 mm[.253 in] |
| Connector Width | 7.06 mm[.278 in] |
| Wire Size | .051 – .15 mm ² |
| PCB Thickness (Recommended) | 3.18 mm[.125 in] |
| Accepts Wire Insulation Diameter Range | .81 – 1.07 mm[.032 – .042 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

| | |
|------------------------|------------|
| 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 | 50 |
| Packaging Method | Box & Tube, Tube |

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |

Solder Process Capability

Wave solder capable to 265°C

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



Documents

Product Drawings

016 DIP PLUG 100CL TIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_746610-3_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_746610-3_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_746610-3_F.3d_stp.zip

English

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

Product Specifications

Application Specification



English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English