5746613-3 ACTIVE

AMP-LATCH

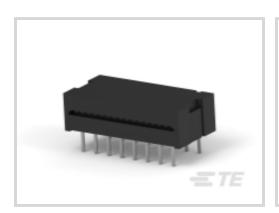
TE Internal #: 5746613-3

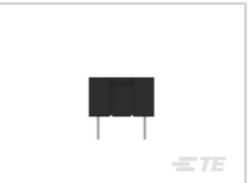
Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Ribbon Cable Connectors

View on TE.com >

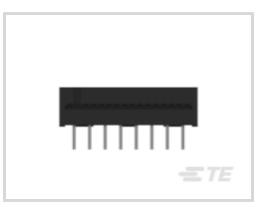


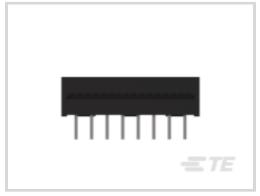
Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors











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 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	
Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ
Body Features	
Primary Product Color	Black

Contact Features



Wire Contact Termination Area Plating Material PCB Contact Lerm nation Area Plating Material I hickness Contact Lerm nation Area Plating Material I hickness Contact Base Material PCB Contact Term nation Area Plating Material PCB Contact Term nation Area Plating Thickness PCB Contact Term nation Area Plating Thickness Identify profit Contact Type Pin Contact Current Rating Mase) Termination Features Rectangular Termination Post & Tall Width Rectangular Termination Post & Tall Thickness Addition Displacement (DC) Termination Method to Wire & Cable Insulation Displacement (DC) Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment With PCB Mount Alignment Without PCB Mount Retention Without Mating Retention Without Connector Mounting Type Polarization Mating Retention Without Housing Features Centerline (Pitch) 2.54 num(1.1 in) Dimensions Compatible Insulation Diameter Range All - 1.07 num(1.032042 in) Connector Width Wire Size PCB Thickness (Recommended) 3.16 num(1.25 in) Connector Height Connector Length Associated Rose Specing 2.26 mm(1.988 in) Rose-te-Rose Specing	Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
Contact Layout Inline Contact Base Material Phosphor Bronze PCB Contact Termination Area Plating Material Iin Wire Contact Termination Area Plating Thickness .127 µm[5 µin] Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Width .48 mm[019 in] Rectangular Termination Post & Tail Width .33 mm[013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Method to PCB Inherent Without Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment Without PCB Mount Alignment Without PCB Mount Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width .7.06 mm[.278 in] Wire Size .30 .26 AWG PCB Thickness (Recommended) .3.18 mm[.125 in] Connector Height .6.43 mm[.253 in] Connector Height .6.43 mm[.253 in]		
Contact Base Material Phosphor Bronze PCB Contact Termination Area Plating Material Tin Wire Contact Termination Area Plating Thickness	PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]
PCB Contact Termination Area Plating Material Wire Contact Type Pin Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Width Rectangular Termination Post & Tail Thickness Rectangular Termination Desplacement (IDC) Termination Desplacement (IDC) Termination Desplacement (IDC) Termination Post & Tail Length Rechanical Attachment Panel Mount Feature Without Without Without PCB Mount Alignment Without Without Retention Without Without Retention Without Retention Without Romector Mounting Type Roard Mount Housing Retention Without Romector Mounting Type Roard Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 _ 042 in] Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height Connector Length 2.2.56 mm[.888 in]	Contact Layout	Inline
Wire Contact Type Pin Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Width .48 mm[.019 in] Rectangular Termination Post & Tail Thickness .33 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Post & Tail Length 3.94 mm[.155 in] Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment Without PCB Mount Alignment Without Mating Alignment Type Polarization Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] 22.56 mm[.888 in]	Contact Base Material	Phosphor Bronze
Contact Type Contact Current Rating (Max) Termination Features Rectangular Termination Post & Tail Width A8 mm[.019 in] Rectangular Termination Post & Tail Width A8 mm[.019 in] Rectangular Termination Post & Tail Thickness .33 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Post & Tail Length 3.94 mm[.155 in] Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment With PCB Mount Reterrtion Without PCB Mount Reterrtion Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Ptich) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size .90 – 26 AWG .90 PCB Thickness (Recommended) .3.18 mm[.125 in] Connector Height .4.43 mm[.253 in] .5.56 mm[.888 in]	PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max) Termination Features Rectangular Termination Post & Tail Width	Wire Contact Termination Area Plating Thickness	.127 μm[5 μin]
Termination Features Rectangular Termination Post & Tail Width	Contact Type	Pin
Rectangular Termination Post & Tail Width A8 mm[.019 in] Rectangular Termination Post & Tail Thickness .33 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Post & Tail Length 3.94 mm[.155 in] Termination Method to PCB Through Hole Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment With PCB Mount Alignment Without PCB Mount Retention Without PCB Mount Retention Without PCB Mounting Alignment Type Polarization Mating Retention Without PConnector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Contact Current Rating (Max)	1 A
Rectangular Termination Post & Tail Thickness .33 mm[,013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Post & Tail Length .3.94 mm[,155 in] Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment Type Polarization Mating Alignment Type Board Mount Mount Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[,1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[,032 – .042 in] Connector Width 7.06 mm[,278 in] Wire Size .30 – 26 AWG PCB Thickness (Recommended) .3.18 mm[,125 in] Connector Height 6.43 mm[,253 in] Connector Length .22.56 mm[,888 in]	Termination Features	
Termination Method to Wire & Cable Termination Post & Tail Length Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment PCB Mount Alignment Without Mating Alignment Type Mating Alignment Type Mount Retention Mating Retention Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) Connector Height Connector Length Connector Length 22.56 mm[.888 in]	Rectangular Termination Post & Tail Width	.48 mm[.019 in]
Termination Post & Tail Length Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Without Mating Alignment PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Sound Told mount (278 in) Wire Size PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height Connector Length 2.256 mm[.888 in]	Rectangular Termination Post & Tail Thickness	.33 mm[.013 in]
Termination Method to PCB Mechanical Attachment Panel Mount Feature Without Mating Alignment PCB Mount Alignment Without Mating Alignment Without PCB Mount Retention Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height Connector Length 2.2.56 mm[.888 in]	Termination Method to Wire & Cable	Insulation Displacement (IDC)
Mechanical Attachment Panel Mount Feature Without Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Termination Post & Tail Length	3.94 mm[.155 in]
Panel Mount Feature Mating Alignment PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) Connector Length Connector Length Connector Length Without Without Authout Without Without 2.54 mm[.1 in] Dimensions 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in]	Termination Method to PCB	Through Hole - Solder
Mating Alignment PCB Mount Alignment Without PCB Mount Retention Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) Connector Height 6.43 mm[.253 in] Connector Length Connector Length	Mechanical Attachment	
PCB Mount Alignment PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Length Connector Length 22.56 mm[.888 in]	Panel Mount Feature	Without
PCB Mount Retention Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range Source Connector Width 7.06 mm[.278 in] Wire Size PCB Thickness (Recommended) Connector Height Connector Length Without Without 80 and Mount 7.04 mm[.1 in] 7.06 mm[.278 in] 81 - 1.07 mm[.032042 in] 7.06 mm[.278 in] 81 - 1.07 mm[.278 in] 82 and Mount 43 and Mount 64 and Mount 64 and Mount 65 and Mount 66 and Mount 66 and Mount 67 and Mount 68 and Mount 69 and Mount 69 and Mount 69 and Mount 60 and	Mating Alignment	With
Mating Alignment Type Mating Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length	PCB Mount Alignment	Without
Mating Retention Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Width 7.06 mm[.278 in] Wire Size 90 2.54 mm[.125 in] Connector Height Connector Length Without Board Mount 81 - 1.07 mm[.032042 in] 81 - 1.07 mm[.032042 in] 6.43 mm[.125 in] Connector Length	PCB Mount Retention	Without
Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 8.1 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length	Mating Alignment Type	Polarization
Housing Features Centerline (Pitch) Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Mating Retention	Without
Centerline (Pitch) Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Connector Mounting Type	Board Mount
DimensionsCompatible Insulation Diameter Range.81 – 1.07 mm[.032 – .042 in]Connector Width7.06 mm[.278 in]Wire Size30 – 26 AWGPCB Thickness (Recommended)3.18 mm[.125 in]Connector Height6.43 mm[.253 in]Connector Length22.56 mm[.888 in]	Housing Features	
Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in] 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Centerline (Pitch)	2.54 mm[.1 in]
Connector Width 7.06 mm[.278 in] Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Dimensions	
Wire Size 30 – 26 AWG PCB Thickness (Recommended) 3.18 mm[.125 in] Connector Height 6.43 mm[.253 in] Connector Length 22.56 mm[.888 in]	Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
PCB Thickness (Recommended) Connector Height Connector Length 3.18 mm[.125 in] 6.43 mm[.253 in] 22.56 mm[.888 in]	Connector Width	7.06 mm[.278 in]
Connector Height Connector Length 6.43 mm[.253 in] 22.56 mm[.888 in]	Wire Size	30 – 26 AWG
Connector Length 22.56 mm[.888 in]	PCB Thickness (Recommended)	3.18 mm[.125 in]
	Connector Height	6.43 mm[.253 in]
Row-to-Row Spacing 2 mm[.1 in]	Connector Length	22.56 mm[.888 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	288
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) Candidate List Declared Against: JAN 2025 (247) 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

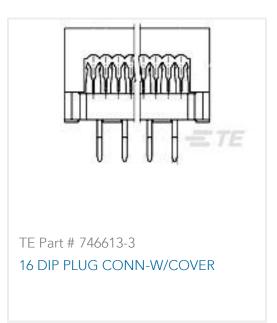
Product Compliance Disclaimer

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





Customers Also Bought

















Documents

Product Drawings

16 DIP PLUG CONN-W/COVER

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5746613-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5746613-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5746613-3_B.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

Instruction Sheet (U.S.)

English