

AMP-LATCH

TE Internal #: 746611-8

Wire-to-Board, 14 Position, 2.54 mm [.1 in] Centerline, Vertical,

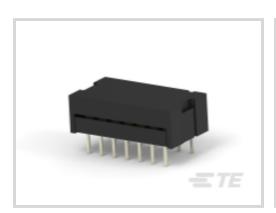
Through Hole - Solder, 2 Row, Plug, Standard Profile, Ribbon Cable

Connectors

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











Connector System: Wire-to-Board

Number of Positions: 14

Centerline (Pitch): 2.54 mm [.1 in]
PCB Mount Retention: Without
PCB Mount Orientation: Vertical

Features

Product Type Features

Connector Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Pin Header
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable
Configuration Features	
Number of Positions	14
PCB Mount Orientation	Vertical
Number of Rows	2
Electrical Characteristics	
Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Without

Body Features

Daisy Chain



Primary Product Color Connector Profile Standard Contact Features Contact Mating Area Plating Material Thickness		
Contact Features Contact Mating Area Plating Material Thickness .76 pm(29.92 pin) Wine Contact Termination Area Plating Material .Gold PCB Contact Lermination Area Plating Material .Inchess .762 pm(30 pin) Contact Layout .Inline Contact Base Material .Phosphor Bronze PCB Contact Termination Area Plating Material .Gold Wine Contact Termination Area Plating Material .Gold Wine Contact Termination Area Plating Thickness .127 pm(5 pin) Contact Type .Pin Contact Type .Pin Contact Current Railing (Max) .1 A Termination Features Rectangular Termination Post & Tail Thickness .32 mm(.03 in) Termination Method to Wire & Cable .Insulation Displacement (IDC) Termination Method to Wire & Cable .Insulation Displacement (IDC) Termination Method to PCB .Through Itole - Soldier Mechanical Attachment Panel Mount Feature .Without .With .Without .With .PCB Mount Alignment .Without .Without .PCB Mount Alignment .Without .Without .PCB Mount Retention .Without .Mating Alignment Type .Polarization .Mating Retention .Without .Mating Retention .Without .Mating Retention .Without .PCB .Mount Retent .Polarization .Mounting Type .Board Mount .Polarization .Dimensions Connector Mounting Type .Board Mount .Polarization .Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm(.032 – 042 in)	Primary Product Color	Black
Contact Mailing Area Plating Material Thickness Wire Contact Termination Area Plating Material PCB Contact Termination Area Plating Material PCB Contact Tayout Inline Contact Base Material Phosphor Bronze Cold Wire Contact Termination Area Plating Material PCB Contact Lemination Area Plating Material PCB Contact Termination Area Plating Thickness 127 pml5 pinl Contact Type Pin Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Thickness Rectangular Termination Post & Tail Thickness 3.2 mm[.02 in] Rectangular Termination Post & Tail Thickness 3.2 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Method to PCB Through Hole - Soider Mechanical Attachment Panel Mount Feature Without Mating Alignment With PCB Mount Alignment Without Mating Alignment Type Polarization Mating Alignment Type Polarization Mating Retention Without Housing Features Housing Features Housing Material Cancetine (Pitch) Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in]	Connector Profile	Standard
Wire Contact Termination Area Plating Material PCB Contact Termination Area Plating Material Thickness Contact Layout Infline Contact Base Material PCB Contact Termination Area Plating Material PCB Contact Termination Area Plating Material Cold Wire Contact Termination Area Plating Thickness 172 pml5 pinl Contact Type Pin Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Width 5 mml,02 inl Rectangular Termination Post & Tail Thickness 32 mml,01 inl Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Method to PCB Through Hole - Solder Mechanical Attachment Without Mating Alignment With PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2 54 mml,13 inl Dimensions Compatible Insulation Diameter Range 81 1.07 mml,032 .042 inl Dimensions Compatible Insulation Diameter Range	Contact Features	
PCB Contact Termination Area Plating Material Thickness	Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
Contact Layout Inline Contact Base Material Phosphor Bronze PCB Contact Termination Area Plating Material Gold 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 .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 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 Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Wire Contact Termination Area Plating Material	Gold
Contact Base Material Phosphor Bronze PCB Contact Termination Area Plating Material Gold 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 .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 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 Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Conterline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	PCB Contact Termination Area Plating Material Thickness	.762 μm[30 μin]
PCB Contact Termination Area Plating Material 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 .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 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 Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Contact Layout	Inline
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 .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Note & 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 Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Contact Base Material	Phosphor Bronze
Contact Type Pin Contact Current Rating (Max) 1 A Termination Features Rectangular Termination Post & Tail Width .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 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 Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	PCB Contact Termination Area Plating Material	Gold
Contact Current Rating (Max) Termination Features Rectangular Termination Post & Tail Width Rectangular Termination Post & Tail Thickness 32 mm[.02 in] Rectangular Termination Post & Tail Thickness 32 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 Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in]	Wire Contact Termination Area Plating Thickness	.127 μm[5 μin]
Termination Features Rectangular Termination Post & Tail Width5 mm[.02 in] Rectangular Termination Post & Tail Thickness32 mm[.013 in] Termination Method to Wire & Cable Insulation Displacement (IDC) Termination Post & Tail Length3,94 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 Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range81 – 1.07 mm[.032 – .042 in]	Contact Type	Pin
Rectangular Termination Post & Tail Width .5 mm[.02 in] Rectangular Termination Post & Tail Thickness .32 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 Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 8.81 – 1.07 mm[.032 – .042 in]	Contact Current Rating (Max)	1 A
Rectangular Termination Post & Tail Thickness 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 Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in]	Termination Features	
Termination Method to Wire & Cable Termination Post & Tail Length Termination Method to PCB Through Hole - Solder Mechanical Attachment Panel Mount Feature Mating Alignment PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Retention Mating Alignment Type Mating Retention Without Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Insulation Displacement (IDC) 3.94 mm[.155 in] Through Hole - Solder Without Without Without Without PCB Mount Alignment Without Thermoplastic 2.54 mm[.1 in] Dimensions	Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length 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 Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in]	Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Method to PCB Mechanical Attachment Panel Mount Feature Mating Alignment PCB Mount Alignment Without Mating Alignment Type Mating Alignment Type Mating Retention Mithout Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Dimensions Through Hole - Solder Mithout Without Without Without Without Board Mount Thermoplastic 2.54 mm[.1 in] Dimensions	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 Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 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 Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Without Without 2.54 mm[.1 in]	Termination Method to PCB	Through Hole - Solder
Mating Alignment PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Without 2.54 mm[.1 in]	Mechanical Attachment	
PCB Mount Alignment PCB Mount Retention Without Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Without 2.54 mm[.1 in]	Panel Mount Feature	Without
PCB Mount Retention Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Mating Alignment	With
Mating Alignment Type Polarization Mating Retention Without Connector Mounting Type Board Mount Housing Features Housing Material Thermoplastic Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range 81 – 1.07 mm[.032 – .042 in]	PCB Mount Alignment	Without
Mating Retention Connector Mounting Type Board Mount Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Without Without Without Without Source Board Mount Thermoplastic 2.54 mm[.1 in]	PCB Mount Retention	Without
Connector Mounting Type Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Board Mount Thermoplastic 2.54 mm[.1 in] Dimensions	Mating Alignment Type	Polarization
Housing Features Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Thermoplastic 2.54 mm[.1 in] 81 – 1.07 mm[.032 – .042 in]	Mating Retention	Without
Housing Material Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Thermoplastic 2.54 mm[.1 in] 81 – 1.07 mm[.032 – .042 in]	Connector Mounting Type	Board Mount
Centerline (Pitch) 2.54 mm[.1 in] Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Housing Features	
Dimensions Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Housing Material	Thermoplastic
Compatible Insulation Diameter Range .81 – 1.07 mm[.032 – .042 in]	Centerline (Pitch)	2.54 mm[.1 in]
	Dimensions	
Connector Width 10.67 mm[.42 in]	Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
	Connector Width	10.67 mm[.42 in]



Wire Size	30 – 26 AWG
PCB Thickness (Recommended)	3.18 mm[.125 in]
Connector Height	6.43 mm[.253 in]
Connector Length	20.02 mm[.788 in]
Row-to-Row Spacing	2 mm[.3 in]
Usage Conditions	
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Solder Process Feature	Solder Dipped
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	180

Product Compliance

Packaging Method

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

Box & Tray, Tray

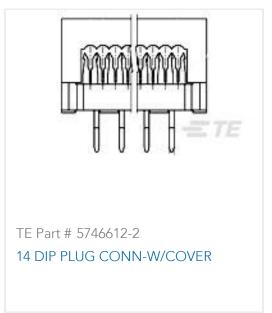
Product Compliance Disclaimer



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



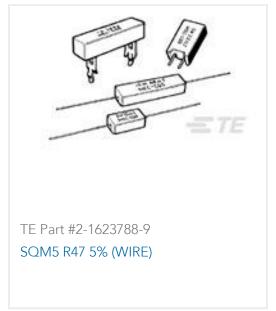


Customers Also Bought











Documents

Product Drawings

14 DIP PLUG CONN-W/COVER

English

CAD Files

3D PDF



3D

Customer View Model

ENG_CVM_CVM_746611-8_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_746611-8_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_746611-8_G.3d_stp.zip

English

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Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English