5746613-1 ✓ ACTIVE

AMP-LATCH

TE Internal #: 5746613-1

Ribbon Cable Connectors, Wire-to-Board, 8 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug

View on TE.com >

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

Number of Positions: **8**

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	8
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

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PCB Contact Termination Area Plating Material Thickness	2.54 - 5.08 μm[100 - 200 μin]
Contact Layout	Inline
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	.127 μm[5 μin]
Wire Contact Termination Area Plating Material	Gold
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	.33 mm[.013 in]
Rectangular Termination Post & Tail Width	.48 mm[.019 in]
Termination Post & Tail Length	3.94 mm[.155 in]
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	Without
Panel Mount Feature	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

Connector Length	12.4 mm[.488 in]
Connector Height	6.43 mm[.253 in]
Connector Width	7.06 mm[.278 in]
Wire Size	.051 - .15 mm²
PCB Thickness (Recommended)	3.18 mm[.125 in]
Compatible Insulation Diameter Range	.81 - 1.07 mm[.032 - .042 in]
Row-to-Row Spacing	2 mm[.1 in]

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TE
connectivity

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	288
Packaging Method	Box & Tray, Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>
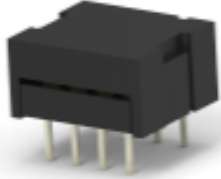
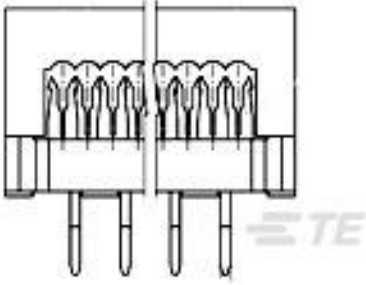|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does 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

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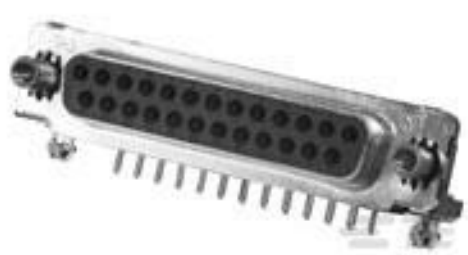
Compatible Parts

TE Part # 746611-7
08 DIP PLUG CONN-W/COVER

TE Part # 746613-1
08 DIP PLUG CONN-W/COVER

Customers Also Bought

TE Part # 5745781-4
09 MSFL RCPT RA 318 (IN,FM)

TE Part # 1379029-1
4POS MQS REC

TE Part # 1977740-2
MPS103FPC PSHBTN SPDT MMNTRY

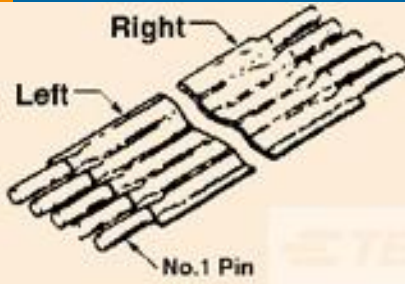TE Part # 1-2176093-3
RP 2A 0.25W 12K4 0.1% 25PPM 1K RL

TE Part # 3-2176327-7
CRGP 0805 10K 1%

TE Part # 4-6609107-5
PS0SXSSXA=C1099

TE Part # NB17372001
RP-4800-NO.2-0-STK

TE Part # 9-6474612-1
FSN-22A-10

TE Part # 321866
BODY SOLIS RING 1/0 1/4

TE Part # 2267079-1
TMS1T3B1M5RE

Documents

Product Drawings

08 DIP PLUG CONN-W/COVER

English

CAD Files

3D PDF

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3D

Customer View Model

ENG_CVM_CVM_5746613-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5746613-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5746613-1_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