

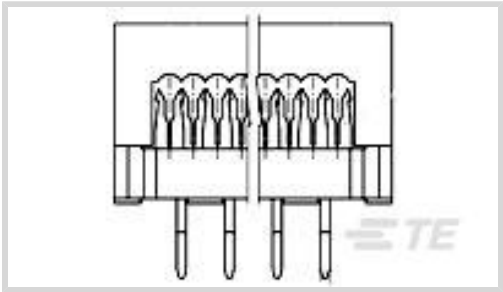
AMP-LATCH

TE Internal #: 746613-1  
Wire-to-Board, 8 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, Plug, Standard Profile, 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: **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                  |
| 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   | 8        |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

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

Body Features

|                       |          |
|-----------------------|----------|
| Daisy Chain           | Without  |
| Primary Product Color | Black    |
| Connector Profile     | Standard |

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Mating Area Plating Material Thickness | 2.54 μm[100 μin] |
|------------------------------------------------|------------------|



|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Wire Contact Termination Area Plating Material          | Tin                           |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| Contact Layout                                          | Inline                        |
| Contact Base Material                                   | Phosphor Bronze               |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Wire Contact Termination Area Plating Thickness         | 2.54 – 5.08 µm[100 – 200 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

|                         |              |
|-------------------------|--------------|
| 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] |
| 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                     | 12.4 mm[.488 in]              |
| Row-to-Row Spacing                   | 2 mm[.1 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              |
| 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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                                                                                                  |

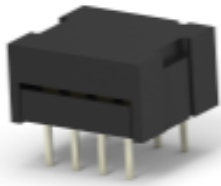
Product Compliance Disclaimer

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>

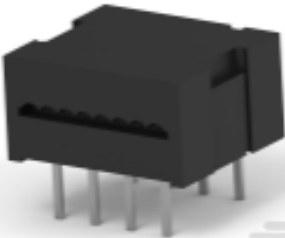




Compatible Parts



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



TE Part # 5746613-1  
08 DIP PLUG CONN-W/COVER

Customers Also Bought



TE Part #CSE-SGAM-610-SGAM  
SMA to SMA 610mm RG316



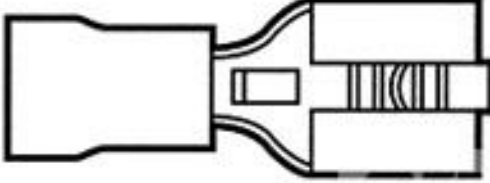
TE Part #364915-E  
STVC 96 M ABC VVV 4-00 0606 \* \* 247 E007



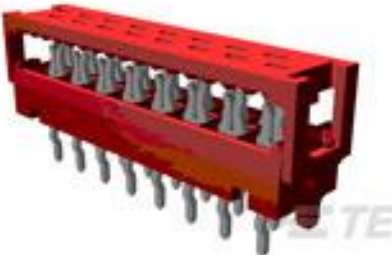
TE Part #CAT-FSE0006  
Compact Compression Load Cell



TE Part #839428-E  
IDCCS SRC 1,27 3 \* SPX APU 100 PVC



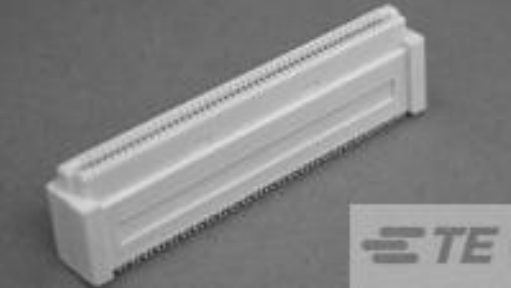
TE Part #42844-2  
RECEPT,PIDG FASTON 14-12 250



TE Part #7-215570-8  
MICRO-MATCH PBC.08P



TE Part #9-2176070-5  
3521 82K 1% 2W



TE Part #5-5179010-1  
0.8FH,R13H.5,040,08/Sn,TU



TE Part #7-6437630-3  
AWTA1504 = POWER TOGGLE

Documents

- Product Drawings
- 08 DIP PLUG CONN-W/COVER
- English
- CAD Files
- 3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_746613-1\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_746613-1\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_746613-1\\_E.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