

[Connectors](#) > [PCB Connectors](#) > [Wire-to-Board Connectors](#) > [FFC, FPC & Ribbon Connectors](#) > [FPC Connectors](#)

Centerline (Pitch): .5 mm [.02 in]

Mating Retention Type: **Zero Insertion Force (ZIF)**PCB Mount Orientation: **Right Angle**Contact Mating Location: **Top**Termination Method to PCB: **Surface Mount**

## Features

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

### Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

### Identification Marking

|                                |         |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

### Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & Reel |
|------------------|-------------|

|                    |      |
|--------------------|------|
| Packaging Quantity | 2000 |
|--------------------|------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Dimensions

|                 |               |
|-----------------|---------------|
| Connector Width | 5.1 mm[.2 in] |
|-----------------|---------------|

|                              |                |
|------------------------------|----------------|
| Accepts Flex Cable Thickness | .3 mm[.012 in] |
|------------------------------|----------------|

|                  |                 |
|------------------|-----------------|
| Connector Height | 2.05 mm[.08 in] |
|------------------|-----------------|

|                  |                   |
|------------------|-------------------|
| Connector Length | 16.93 mm[.667 in] |
|------------------|-------------------|

### Product Type Features

|                                   |                                |
|-----------------------------------|--------------------------------|
| PCB Connector Assembly Type       | PCB Mount Receptacle           |
| Connector & Contact Terminates To | Flexible Printed Circuit (FPC) |
| Connector Product Type            | Connector Assembly             |
| Connector System                  | Flex-to-Board                  |
| FPC Actuator Type                 | Stuffer                        |

#### Contact Features

|   |                   |
|---|-------------------|
| Contact Current Rating (Max)                            | .5 A              |
| Contact Shape & Form                                    | Single Beam       |
| PCB Contact Termination Area Plating Material Thickness | .025 µm[.984 µin] |
| Contact Layout  | Inline            |
| Contact Base Material                                   | Phosphor Bronze   |
| PCB Contact Termination Area Plating Material           | Gold              |
| Contact Type  | Socket            |
| Contact Mating Area Plating Material Thickness          | .025 µm[.984 µin] |
| Contact Mating Location                                 | Top               |
| Contact Mating Area Plating Material                    | Gold Flash        |

#### Configuration Features

|                                   |             |
|-----------------------------------|-------------|
| Compatible With Wire & Cable Type | FFC, FPC    |
| Number of Rows                    | 1           |
| PCB Mount Orientation             | Right Angle |
| Number of Positions               | 23          |

#### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Board Mount                |
| Mating Alignment        | With                       |
| PCB Mount Retention     | With                       |
| PCB Mount Alignment     | Without                    |
| Mating Retention Type   | Zero Insertion Force (ZIF) |

#### Housing Features

|                    |                              |
|--------------------|------------------------------|
| Housing Material   | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | .5 mm[.02 in]                |

#### Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

## Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

## Product Compliance

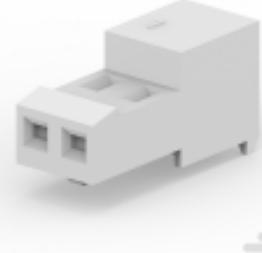
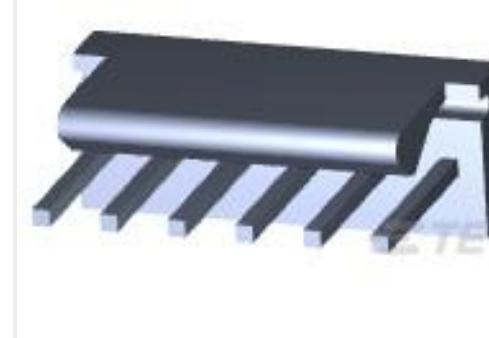
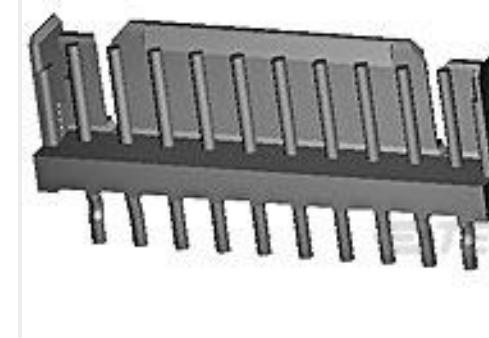
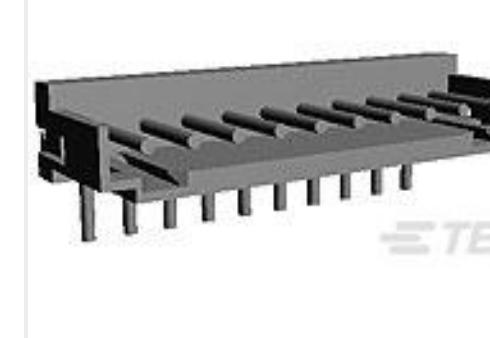
For compliance documentation, visit the product page on [TE.com](http://TE.com)>

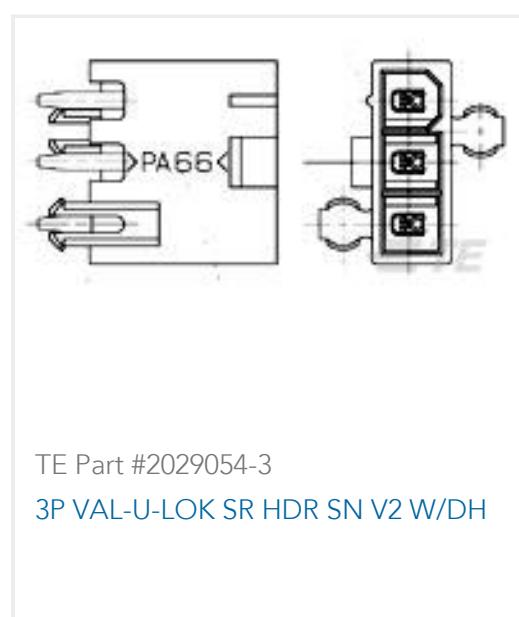
|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024<br>(241)<br>Candidate List Declared Against: JUN 2020<br>(209)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free  |
| Solder Process Capability                     | Reflow solder capable to 260°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>

## Customers Also Bought

|  |   |   |   |
|--|---|---|---|
| <br>TE Part #CAT-104MTA-NTPNR<br>MTA Receptacle: Nylon, Tin Plated, 2.54 mm | <br>TE Part #640456-6<br>06P MTA100 HDR ASSY F/L SQ STR | <br>TE Part #292161-5<br>CT P/HDR ASSY V 5P W/KINK NAT | <br>TE Part #1-292253-1<br>CT CONN MT HDR ASSY H 11P NAT |
|--|---|---|---|



TE Part #2029054-3  
3P VAL-U-LOK SR HDR SN V2 W/DH



TE Part #534206-3  
06 MODII VRT DR CE 100/115



TE Part #1375796-2  
PC104 ASY UNKEYED



TE Part #9-1879134-6  
RN 0603 95K3 0.1% 10PPM 1K RL



TE Part #2-1903415-1  
GHC 9.0 3POS HDR ASSY BLUE

## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1734839-3\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1734839-3\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1734839-3\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[FPC Connector Family](#)

English

[1-1773959-7-FPC-Connectors-CN](#)

English

### Product Specifications

[Product Specification](#)

English