

1825097-6 ✓ ACTIVE

[Alcoswitch](#) | [Alcoswitch TPB](#)

TE Internal #: 1825097-6

General Purpose Push Button Switch, Single Pole - Single Throw Configuration (Pole-Throw), Single Actuator, Extended Actuator, Alcoswitch TPB

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Switches > Push Button Switches



Push Button Switch Product Type: **General Purpose Push Button Switch**

Configuration (Pole-Throw): **Single Pole - Single Throw**

Number of Actuators: **Single**

Actuator Profile: **Extended**

Bushing Style: **Unthreaded**

## Features

### Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

### Usage Conditions

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -30 – 65 °C |
|-----------------------------|-------------|

### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Bulk |
|------------------|------|

### Dimensions

|              |                 |
|--------------|-----------------|
| Button Width | 3.81 mm[.15 in] |
|--------------|-----------------|

|                 |                 |
|-----------------|-----------------|
| Actuator Length | 3.4 mm[.134 in] |
|-----------------|-----------------|

### Contact Features

|                       |              |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

|                                 |      |
|---------------------------------|------|
| Switch Contact Plating Material | Gold |
|---------------------------------|------|

### Housing Features

|             |    |
|-------------|----|
| Low Profile | No |
|-------------|----|

|                |    |
|----------------|----|
| Process Sealed | No |
|----------------|----|

### Body Features

|               |                     |
|---------------|---------------------|
| Case Material | Thermoplastic (LCP) |
|---------------|---------------------|

|                |                       |
|----------------|-----------------------|
| Sealing Method | Terminal Seal (Epoxy) |
|----------------|-----------------------|



|                     |                             |
|---------------------|-----------------------------|
| Actuator Material   | Thermoplastic               |
| Product Orientation | Right Angle                 |
| Actuator Force      | 50 – 400 g[1.77 – 14.11 oz] |
| Actuator Profile    | Extended                    |
| Bushing Style       | Unthreaded                  |
| Actuator Color      | Black                       |

### Product Type Features

|                                 |                                    |
|---------------------------------|------------------------------------|
| Switch Connection Type          | Printed Circuit                    |
| Push Button Switch Product Type | General Purpose Push Button Switch |
| Illuminated                     | Without                            |
| Actuator Style                  | Round Actuator                     |

### Configuration Features

|                            |                            |
|----------------------------|----------------------------|
| Configuration (Pole-Throw) | Single Pole - Single Throw |
| Number of Actuators        | Single                     |
| Snap Action                | Without                    |
| Support Bracket            | Without                    |
| Switch Feedback Type       | Tactile                    |
| Operating Function         | Off (On)                   |

### Electrical Characteristics

|                         |        |
|-------------------------|--------|
| Contact Current Rating  | .4 A   |
| Operating Voltage Range | 20 VDC |

### Other

|                    |                           |
|--------------------|---------------------------|
| EU RoHS Compliance | Compliant with Exemptions |
| EU ELV Compliance  | Compliant                 |

### Product Compliance

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

|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241) |



SVHC > Threshold:

Pb (2.59% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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 # 7-1437571-7  
TPB11FGVRA0=TINY PUSHBUTTON



TE Part # 1825095-2  
TP11CGPC204



TE Part # 1825095-1  
TP11CGPC004

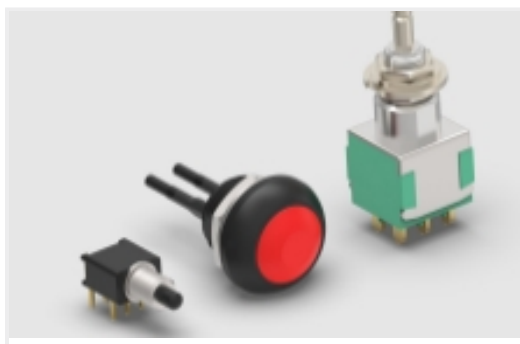


TE Part # 1825095-3  
TP11CGRA004



TE Part # 6-1437571-9  
TPB11FGPCES2=SW P/B ENVIRONMEN

Also in the Series | **Alcoswitch TPB**



General Purpose Push Button Switches (15)

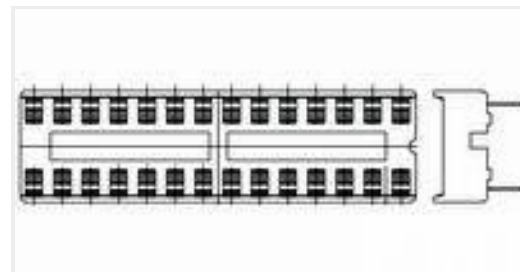


Push Button Switches(15)

## Customers Also Bought



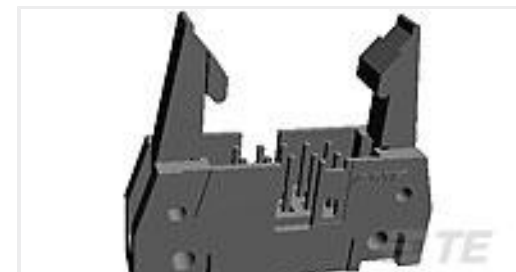
TE Part #640454-7  
07P MTA100 HDR ASSY SQ STR POL



TE Part #1-2199298-9  
28P,DIP SKT,300 CL,LDR,PB FREE



TE Part #2318579-2  
RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS



TE Part #5499160-4  
A/L UNIV HDR 20P VERT SHT LAT



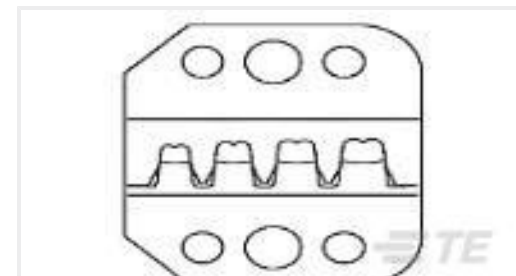
TE Part #2-1393238-4  
RTB14524



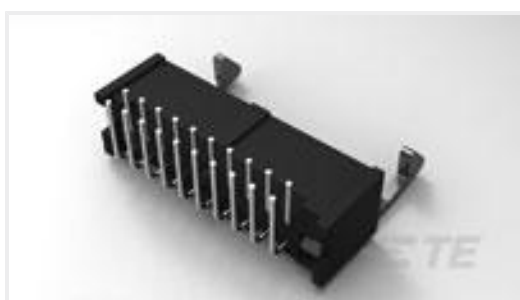
TE Part #2-1445093-3  
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #1676363-3  
RN 0805 4K99 0.1% 10PPM 5KRL



TE Part #91391-2  
SDE COMM MICRO MNL DIE SET



TE Part #1-1761607-1  
IDC LOW PRO HDR 34P RA LAT



TE Part #103638-1  
02 MTE HDR SRST LATCH .100CL

## Documents

### Product Drawings

[TPB11CGRA004](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1825097-6\\_B.3d\\_igs.zip](#)

English

Customer View Model



[ENG\\_CVM\\_CVM\\_1825097-6\\_B.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1825097-6\\_B.2d\\_dxf.zip](#)

English

**3D PDF**

3D

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

**Datasheets & Catalog Pages**

[SWITCHES\\_CORE\\_PROGRAM\\_CATALOG](#)

English