

TDP Series Ultra-miniature Surface Mount Half-pitch Side-Actuated DIP Switches



H
DIP

Features/Benefits

- **World's first ultra-miniature SMT half-pitch side-actuated DIP**
- **Side actuation allows visual indication of on/off position in horizontal applications**
- **Process sealed for surface mount soldering and washable processing**
- **RoHS compliant**
- **Lead free**

Typical Applications

- **Hand-held electronic devices**
- **Portable computer and electronic devices**
- **Instrumentation and controls**



Specifications

SWITCH FUNCTION: SPST — 2, 4, 6, 8, 10 positions.

CONTACT RATING:

24 V DC, 25 mA (switching).

50 V DC, 100 mA (steady state).

MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles.

CONTACT RESISTANCE: 100 mΩ max.

INSULATION RESISTANCE: 100 MΩ @ 100 V DC min.

DIELECTRIC STRENGTH: 300 V AC min.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING TEMPERATURE: -40°C to 85°C.

OPERATING FORCE: 4.9N max.

SOLDERABILITY: Per MIL-STD-202F method 208D, or

EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Switches supplied in rigid dispensing tubes in full tube quantities only, this may affect order quantity. Tape and reel packaging also available.

Materials

CASE & COVER: glass filled PPS (UL94V-0).

ACTUATOR: PA6T (UL94V-0).

CONTACTS: Copper alloy with gold plate over nickel plate.

TERMINALS: Copper alloy, with gold over nickel plate.

All terminals are insert molded.

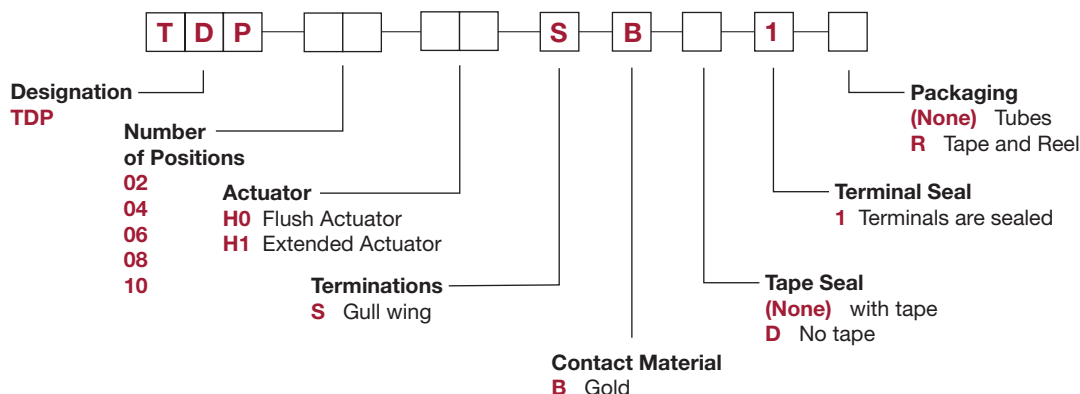
TAPE SEAL: Polyimide.

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How To Order

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in "OFF" position.



Note: Tape seal is not available with H1 Extended Actuators.



Third Angle
Projection



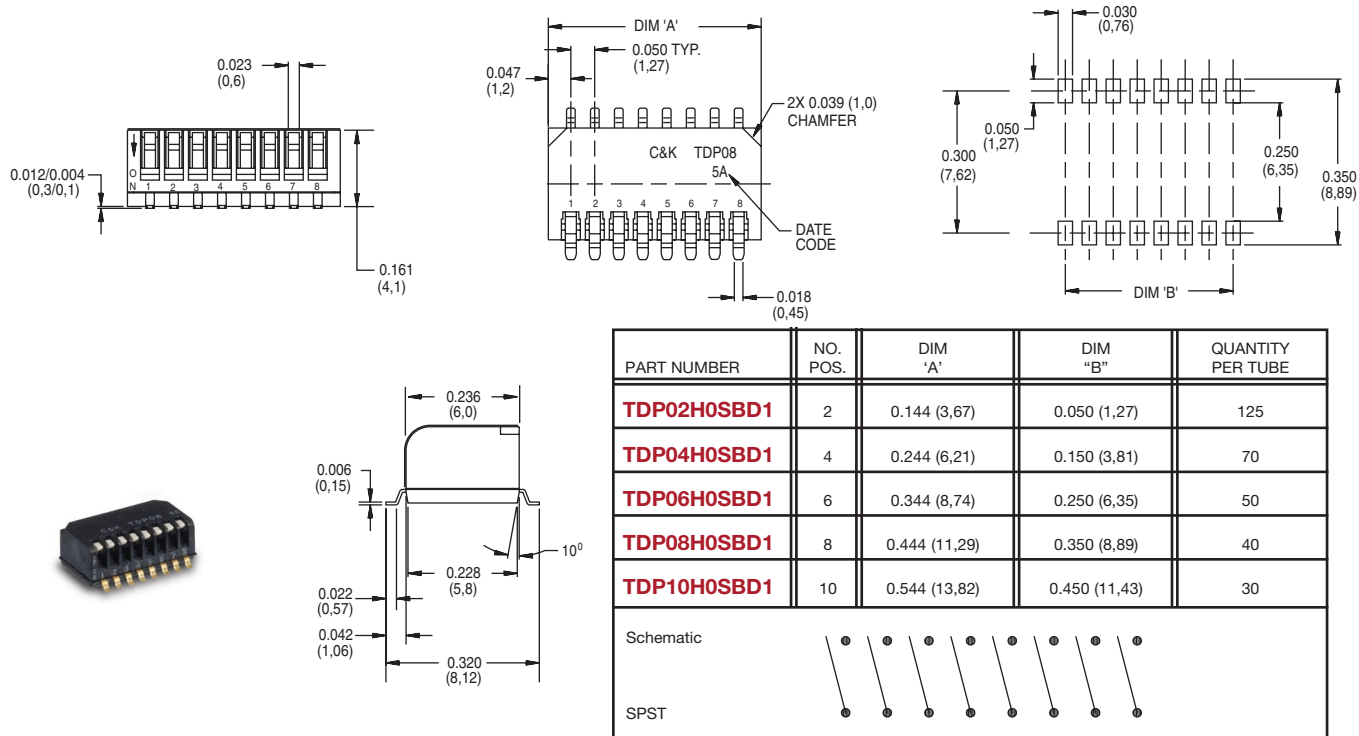
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

TDP Series

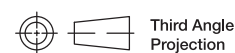
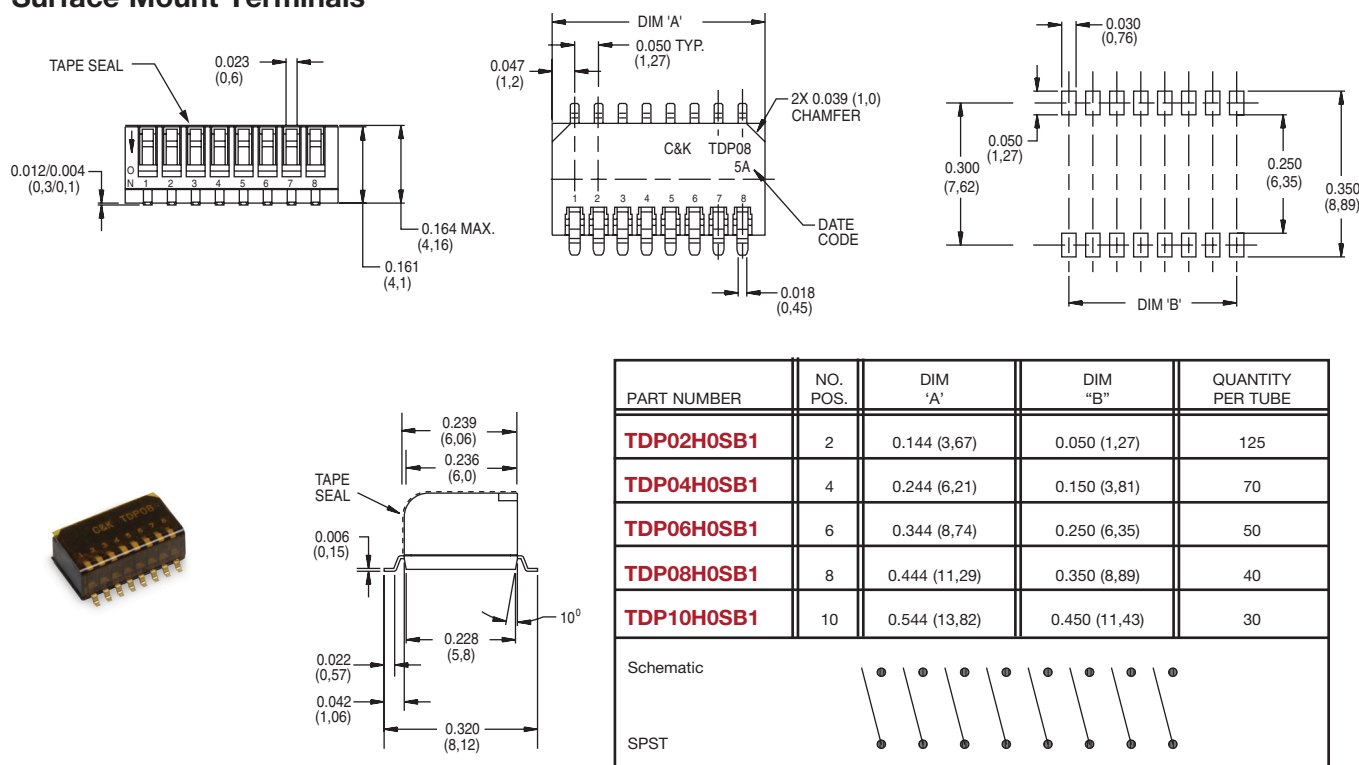
Ultra-miniature Surface Mount

Half-pitch Side-Actuated DIP Switches

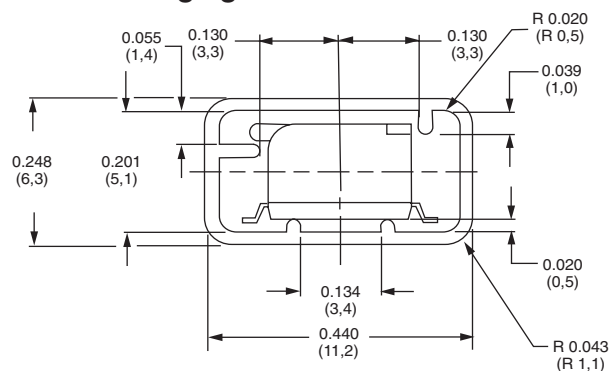
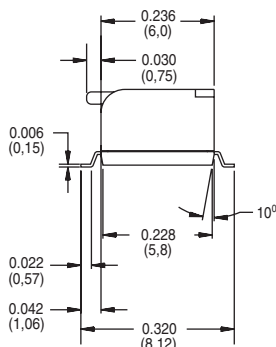
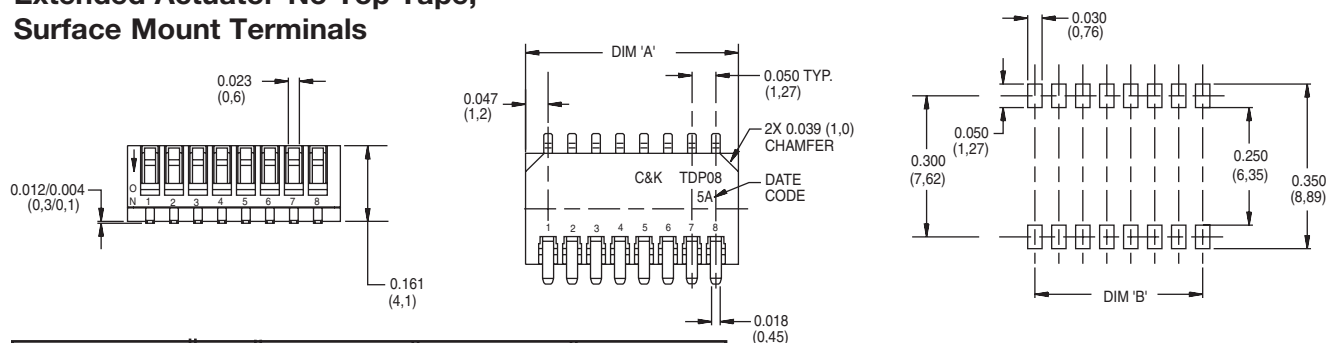
Flush Actuator-No Top Tape,
Surface Mount Terminals



Flush Actuator-with Top Tape,
Surface Mount Terminals

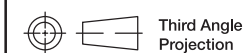
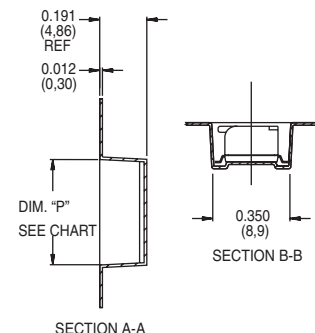
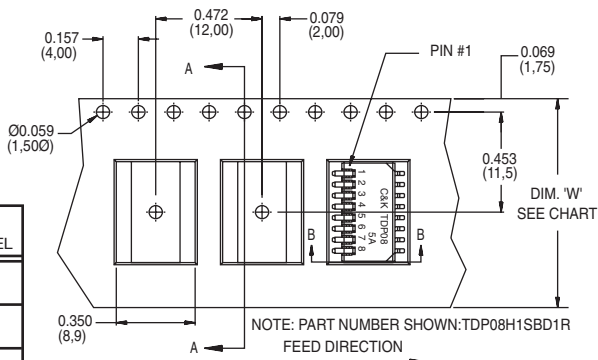
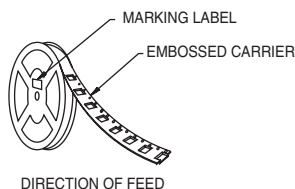


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Technical drawing of a tube with dimensions. The overall length is 19.690 ± 0.039 (500.0 ± 1.0). The drawing shows a side view of the tube with a dashed line indicating the centerline. The tube has a flange on one end and a flange on the other end. The flanges are shown in cross-section.

MODEL NUMBER	QTY IN TUBE
TDP02	125
TDP04	70
TDP06	50
TDP08	40
TDP10	30



Mouser Electronics

Authorized Distributor

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C&K Switches:

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[TDP10H0SBD1R](#)