TPH SERIES
TDGE ACTUATED TYPE

TPH
Housing Height 6.5 **mm Only!**

■ FEATURES

- Edge actuated type (Piano Type) easy setting on closely racked PCB.
- Tactile response is performed directly by larger contact pressure to ensure stable contact.
- All plastics are UL 94V-0 grade fire retardant.
- Bottom epoxy sealed to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold, Silver, or Tin plated contacts to ensure low contact resistance and long operation life.
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming required.
- RoHS Compliant

■ APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

Detect

E

Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

ROCPU

TPH SERIES
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■ SPECIFICATIONS

1.ELECTRICAL

● Contact rating	
switching	25mA, 24VDC
non-switching	100mA
● Contact resistance (After life test)	100mΩ Max. (300mΩ Max. for Tin plated type)
● Insulation resistance	1000MΩ Min. at 100VDC
● Dielectric strength	500VDC Min. for 60 seconds
● Leakage Current	2mA Max.
● Capacitance between adjacent switches 5pF Max.	

2.MECHANICAL AND ENVIRONMENTAL

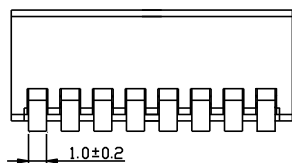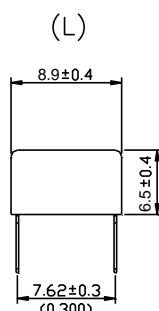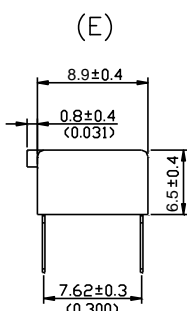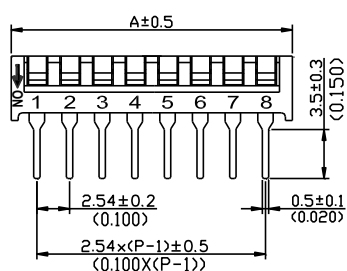| ● Temperature rating	
operating	-25℃ to +70℃
storage	-40℃ to +85℃
● Operation force	800g Max. (SPST only)
● Mechanical life	1000 operations (EPH) 2000 operations (EPG/EPS)
● Humidity	95﹪ RH, 40℃ for 96 Hrs.
● Vibration	10Hz-55Hz-10Hz for 6 Hrs.
● Solderability	After flux 230±5℃ for 5±0.5 seconds, 95﹪ coverage
● Soldering heat	After 260±5℃ for 5±1 sec. shall have no deterioration

■ PART NUMBERING SYSTEM

TPH   1   04   E   Z

Z: RoHS Compliant

Actuator and ON Positon:
E: Extended Actuator and Top Side "OFF"
L: Low Profile Actuator and Top Side "OFF"
BE: Extended Actuator and Top Side "ON"

Number of Positions: 2, 3, 4, 5, 6, 8, 10

Contact Form: SPST

Series Name: TPH: Piano type

E

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ROCPU
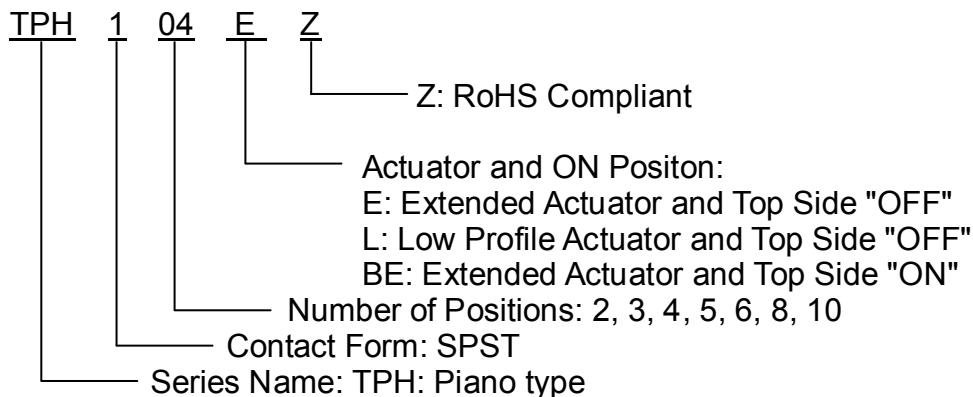
TPH SERIES
TDGE ACTUATED TYPE

■ DIMENSIONS AND CIRCUITRY

TPH SERIES

CIRCUIT DIAGRAM

Actuator top side "OFF"
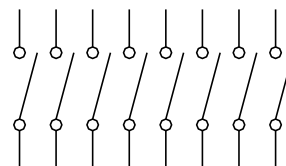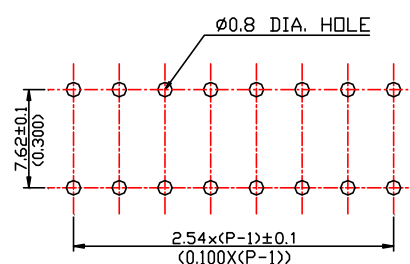
1.0±0.2

(E)   (L)

8.9±0.4   8.9±0.4

0.8±0.4 (0.031)   6.5±0.4

7.62±0.3 (0.300)   7.62±0.3 (0.300)

A±0.5

NO 1 2 3 4 5 6 7 8

3.5±0.3 (0.150)

2.54±0.2 (0.100)   0.5±0.1 (0.020)

2.54×(P-1)±0.5 (0.100X(P-1))

P.C.B. LAYOUT (TOP VIEW)

Ø0.8 DIA. HOLE

7.62±0.1 (0.300)

2.54×(P-1)±0.1 (0.100X(P-1))

DIMENSION A   UNIT: mm(inch)

POLE	2	3	4	5	6	8	10
A	6.5 (0.256)	9.0 (0.354)	11.6 (0.457)	14.1 (0.555)	16.7 (0.657)	21.7 (0.854)	26.7 (1.050)

TPH SERIES B TYPE
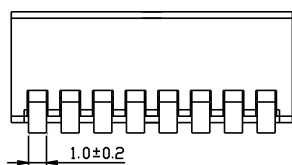
CIRCUIT DIAGRAM

Actuator top side "ON"
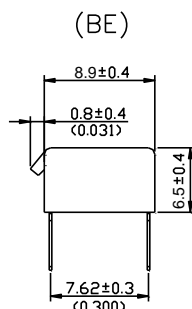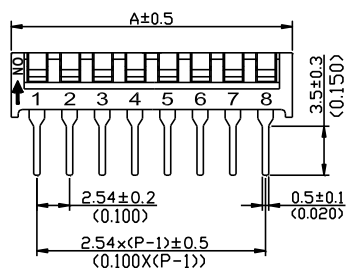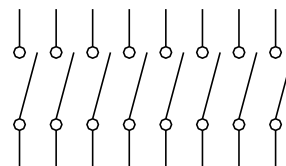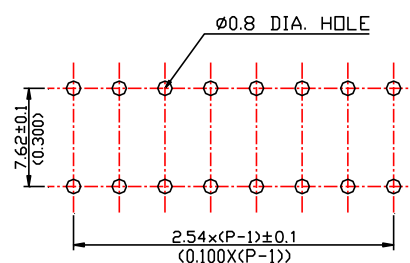
1.0±0.2

(BE)

8.9±0.4

0.8±0.4 (0.031)   6.5±0.4

7.62±0.3 (0.300)

A±0.5

NO 1 2 3 4 5 6 7 8

3.5±0.3 (0.150)

2.54±0.2 (0.100)   0.5±0.1 (0.020)

2.54×(P-1)±0.5 (0.100X(P-1))

P.C.B. LAYOUT (TOP VIEW)

Ø0.8 DIA. HOLE

7.62±0.1 (0.300)

2.54×(P-1)±0.1 (0.100X(P-1))

DIMENSION A   UNIT: mm(inch)

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