

DIP Switch

KHP Series

2, 4, 6, 8, 10 Poles

DIP Piano

SMD

PianoType/ SMD



Outline of the Series

This is an ultra-compact piano-type DIP switch with half-pitch spacing, suitable for high-density mounting.

Features of the Series

- Achieves ultra-miniaturization with a half-pitch ($P = 1.27\text{ mm}$) through a highly compact internal mechanism.
- Enables high-density mounting (approximately 40% of the volume of our conventional 8-pole model).
- Contacts feature a twin-contact gold-plated structure for high contact reliability as a standard specification.
- Available in both tape-and-reel and magazine packaging formats.

Common Specifications

Ratings	DC24V 25mA
Contact Resistance	100 mΩ Max. (Initial value)
Withstanding Voltage	AC300V 1 Minute
Insulating Resistance	100MΩMin.
Electrical Life	1,000 times
Operating Temperature Range	-30℃～+85℃
Storing Temperature Range	-40℃～+85℃
Storage Humidity Range	85%RHMax., No-condensation
Operating Force	4.9N Max.
Number of Re-flow	2 times max.

Specifications of Materials

Part Name	Materials	Finish
Knob	LCP	White
Cover	PPS	Black
Case	PPS	Black
Movable Plate (Movable Contact)	Copper Alloy	Gold Plating
Fixed Plate (Fixed Contact)	Copper Alloy	Gold Plating
Terminals	Copper Alloy	Gold Flash

Product Designations

Series Name

Shape of Operational-part

Poles

Package

K

H

P

8

2

C

Shape of Operational-part

Symbol

Piano

P

Poles

Symbol

2

22

4

42

6

62

8

82

10

102

Package

Symbol

Magazine

C

Tape-reel (1,000 pcs / reel)

E

* For products other than those listed above or for custom items, please contact us.

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DIP Switch

KHP Series

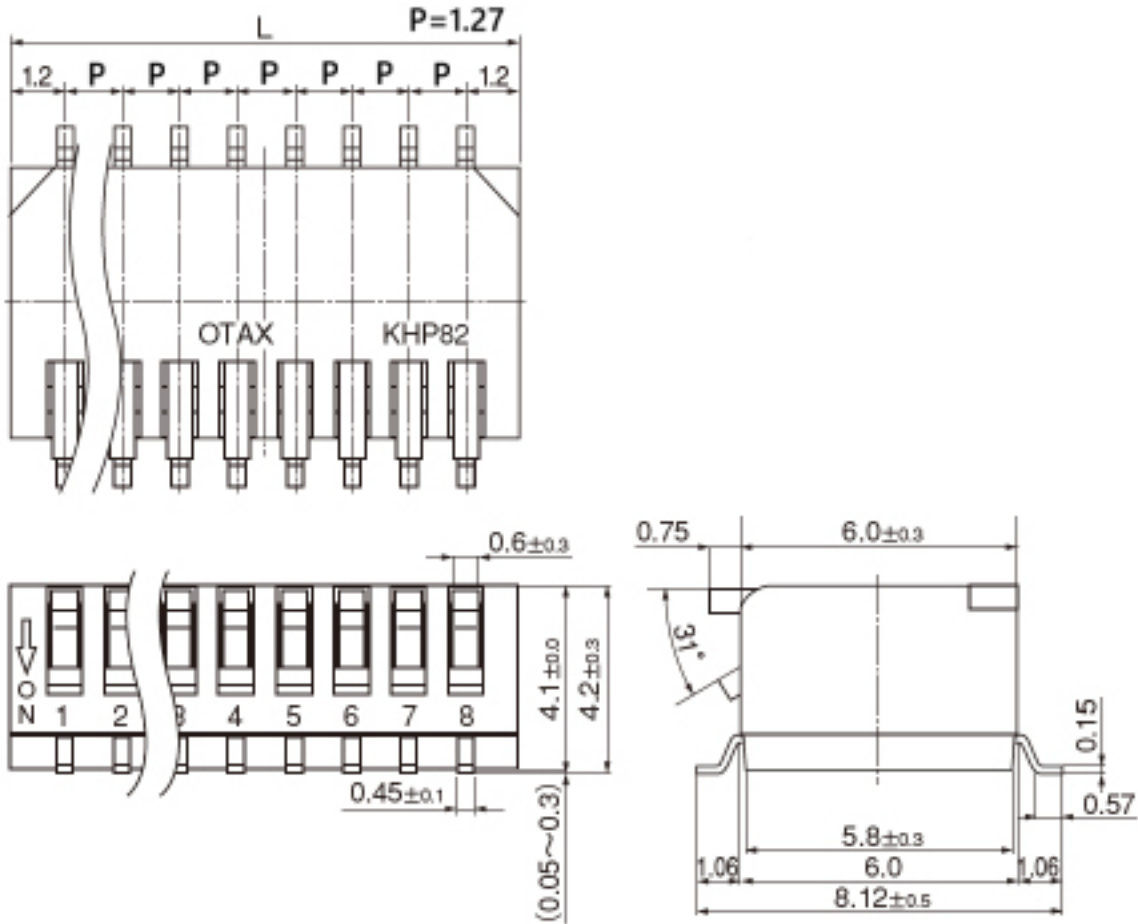
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DIP Piano

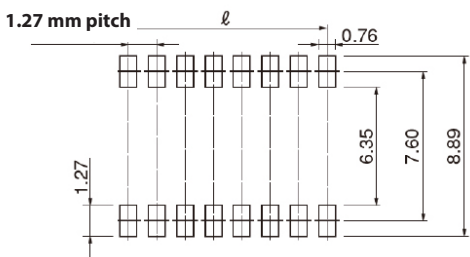
SMD

Standard Dimensions

KHP □□□



Mounting Land Dimensions



Product Names and Dimensions

品名	Poles	L (mm)	ℓ (mm)
KHP22 □	2	3.67	1.27
KHP42 □	4	6.21	3.81
KHP62 □	6	8.75	6.35
KHP82 □	8	11.29	8.89
KHP102 □	10	13.83	11.43

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Soldering Conditions

* Regarding the Soldering Conditions, please refer to [the separate data sheet](#). (Hand Soldering Condition is A.)

- Cautions on Handling Products
- The conditions for reflow soldering may vary depending on the dimensions of the printed circuit board and the assembly density in the actual production process. Please refer to the temperature profile in the separate datasheet in advance, and confirm the surface temperature and soldering condition of the mounted product before use.
 - The knob is set to the OFF position upon delivery. Please keep it in this position through mounting, soldering, and cleaning processes.

Specifications of Box, Magazine and Tape-reel

Q'ty in Magazine and in Box

Poles	Q'ty per 1 Magazine (pcs)	Q'ty of Magazine per 1 Box (pcs)	Total Q'ty per one Box
2	125	100	12,500
4	70	100	7,000
6	50	100	5,000
8	40	100	4,000
10	30	100	3,000