

2, 4, 6, 8, 10

DIP Piano

SMD

Poles

PianoType/ SMD



Outline of the Series

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

Features of the Series

- 1. Achieves ultra-miniaturization with a half-pitch (P = 1.27 mm) through a highly compact internal mechanism.
- 2. Enables high-density mounting (approximately 40% of the volume of our conventional 8-pole model).
- 3. Contacts feature a twin-contact gold-plated structure for high contact reliability as a standard specification.
- 4. 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°C∼ +85°C	
Storing Temperature Range	-40°C∼ +85°C	
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	

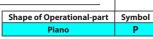
Product Designations

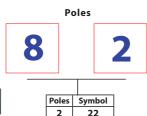




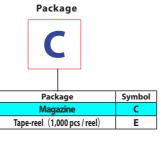








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	Poles	Symbol	
	2	22	
	4	42]
	6	62	
	8	82	
	10	102]



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

contact us.

Mail: sales@otax.co.jp HP: https://www.otax-en.com/

TEL: +81-45-543-5621 (Representative)

DIP Switch



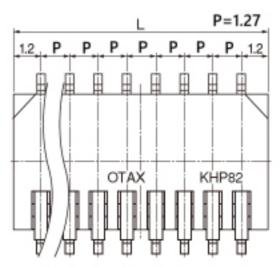
DIP Piano

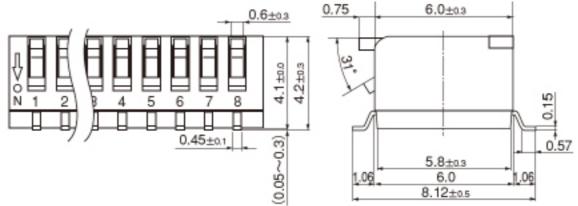
SMD

2, 4, 6, 8, 10 Poles

Standard Dimensions

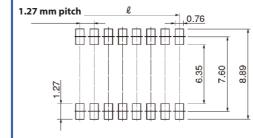
KHP





Mounting Land Dimensions

Product Names and Dimensions



OTAX Co., Ltd.

1215, Nippacho, Kohoku-ward,

Yokohama, Kanagawa, 223-8558 Japan

品名	Poles	L (mm)	ℓ (mm)
КНР22 🗆	2	3.67	1.27
КНР42 🗌	4	6.21	3.81
КНР62 🗆	6	8.75	6.35
КНР82	8	11.29	8.89
KHP102 □	10	13.83	11.43

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2

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OTAX Co., Ltd.



Soldering Conditions

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

Cautions on Handling Products

- 1. 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.
- 2. 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

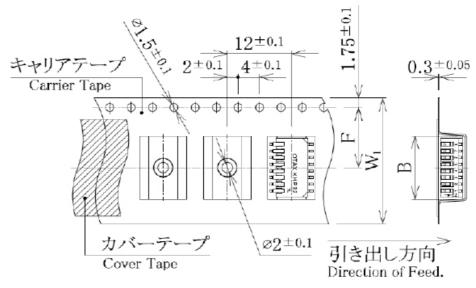
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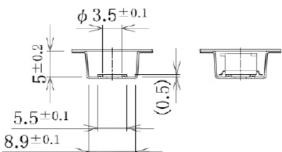


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DIP Switch Series DIP Piano SMD 2, 4, 6, 8, 10 Poles

Tape-reel Dimensions





Poles	W±0.3	F±0.1	B±0.1	L±0.5
2			4.45	3.67
4	16.0	7.5	7.00	6.21
6			9.55	8.75
8	24.0	11.5	12.10	11.29
10	24.0		14.60	13.83

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4

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