

# IKP series

Surface mount and through-hole • piano style •  
dual in line switches



## DISTINCTIVE FEATURES

- Flush and protruding actuators
- Even pole numbers
- Self-cleaning wiping contacts
- Gold plated terminals



## ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature Range: -20 °C to +85 °C (-4 °F to +185 °F)
- Storage Temperature Range: -40°C to +85°C (-40 °F to +185 °F)



## ELECTRICAL SPECIFICATIONS

- Max. Current/Voltage Rating:
  - Switching: 25 mA 24 VDC
  - Contact rating: 100 mA 50 VDC
- Initial Contact Resistance: 100 mΩ max
- Insulation Resistance: 100 MΩ min. at 500 VDC
- Dielectric Strength: 100 VAC min.
- Electrical Life: 2,000 cycles



## GENERAL SPECIFICATIONS

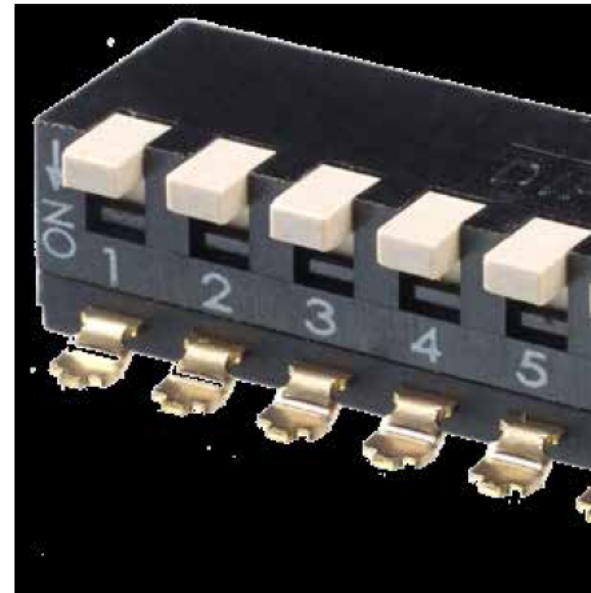
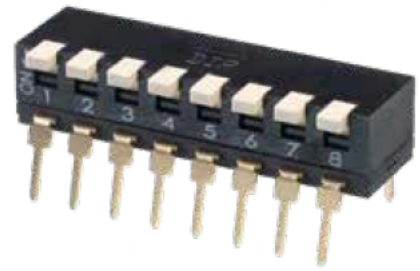
- Actuation force : 800 gf (7.84 N) max.
- Process compatible - withstand IR and vapor phase reflow soldering
- Spray washable with tape seal



## MATERIALS

- Case & base: Nylon 9T UL94-V0
- Actuator: LCP
- Contact: Gold plated copper
- Terminal: Gold plated brass
- Protection Tape: Polyimide

The company reserves the right to change specifications without notice.

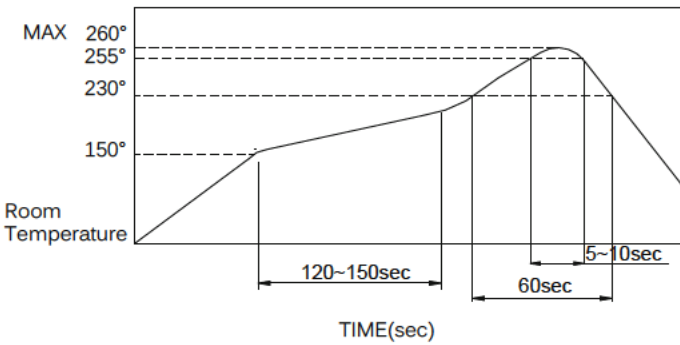
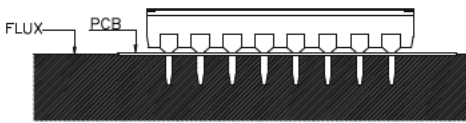


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## SOLDERING AND CLEANING

- Surface temperature measured (above) on the PCB copper foil
- Switch surface temperature must not exceed 260 °C (500 °F)
- Hand solder Max 350 °C (662 °F) for 5 seconds
- Care should be taken to prevent flux adhering to the switch
- Only top tape seal version are suitable for spray cleaning



## PACKAGING

Number of ways	TAPE AND REEL	IC TUBE
2	700 pcs	70 pcs
4		40 pcs
6		28 pcs
8		20 pcs
10		16 pcs

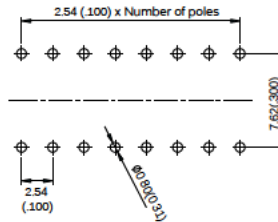
## CIRCUIT



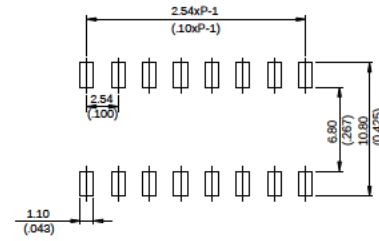
2, 4, 6, 8, 10 way only  
Actuator set in up (off) position

## PCB LAYOUT

### THROUGH-HOLE



### SURFACE MOUNT



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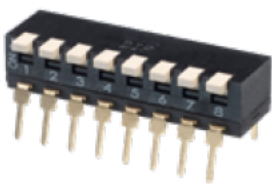
## BUILD YOUR PART NUMBER

Diagram showing the part number structure: **IKP** [ ] [ ] [ ]

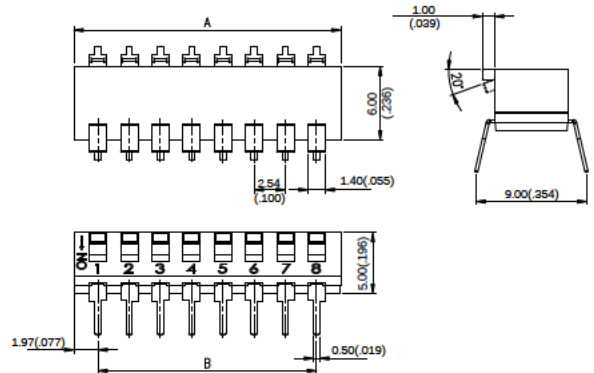
**SERIES**      **NUMBER OF WAYS**      **MODEL TYPE**      **TAPE SEAL**

NUMBER OF WAYS	MODEL TYPE	TAPE SEAL
<b>02</b> Two way	<b>001</b> Through-hole raised actuators	<b>00</b> Top tape seal*
<b>04</b> Four way	<b>000</b> Through-hole recessed actuators	<b>01</b> No tape seal
<b>06</b> Six way	<b>031</b> SMT gull wing raised actuators IC tubes	*Recessed actuators only
<b>08</b> Eight way	<b>030</b> SMT gull wing recessed actuators IC tubes	
<b>10</b> Ten way	<b>041</b> SMT gull wing raised actuators T/R	
	<b>040</b> SMT gull wing recessed actuators T/R	

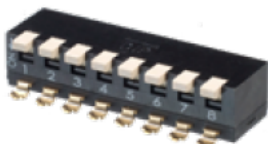
## THROUGH-HOLE



Number of Poles	Dimension "A"	Dimension "B"
2	6.48 (0.25)	2.54 (.10)
4	11.56 (0.45)	7.62 (.30)
6	16.64 (0.65)	12.70 (0.50)
8	21.72 (0.85)	17.78 (0.70)
10	26.80 (1.05)	22.86 (0.90)



## SURFACE MOUNT



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2	6.48 (0.25)	2.54 (.10)
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