

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

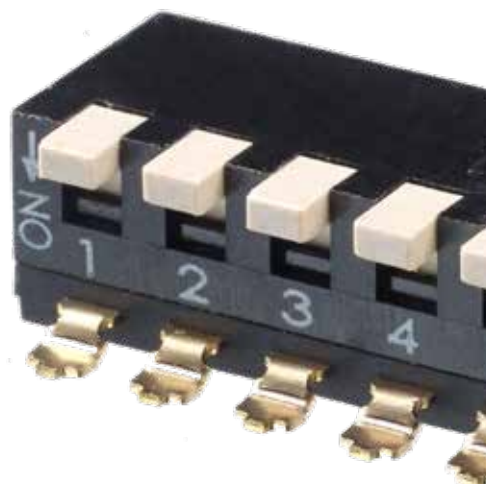
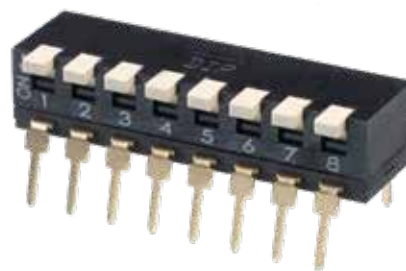
- Actuation force : 800 gf (7.84 N) max.
- Process compatible - withstand IR and vapor phase reflow soldering
- Spray washable with tape seal



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.



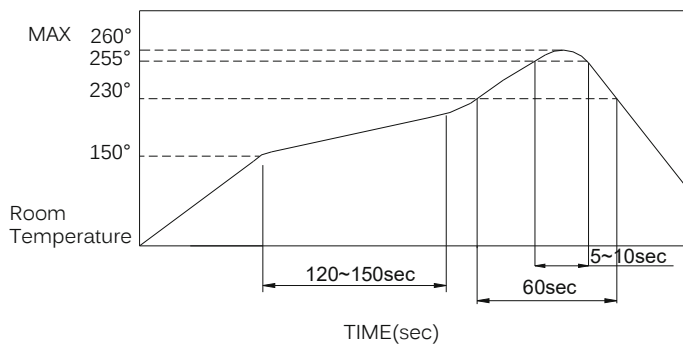
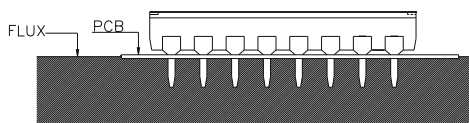
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SOLDERING AND CLEANING

- 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

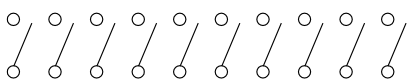


PACKAGING

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

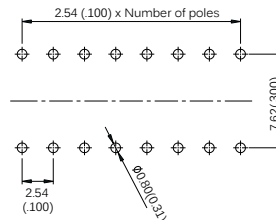


2, 4, 6, 8, 10 way only
Actuator set in up (off) position

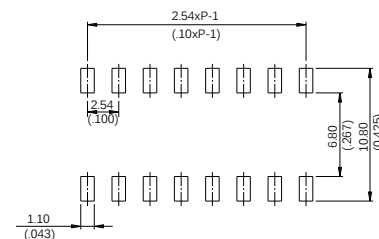


PCB LAYOUT

THROUGH-HOLE



SURFACE MOUNT



IKP series

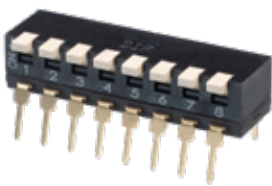
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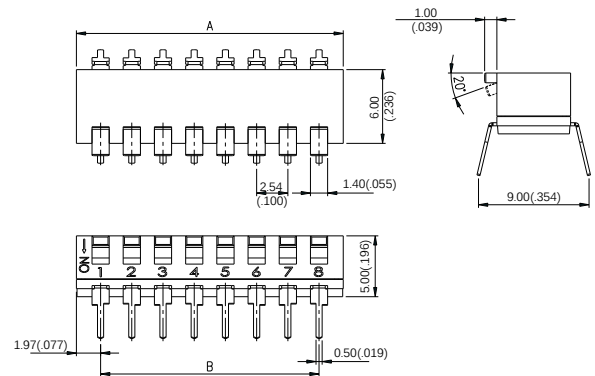
BUILD YOUR PART NUMBER

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

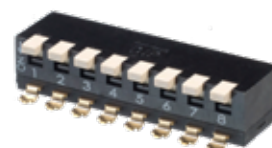
THROUGH-HOLE



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)



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