

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

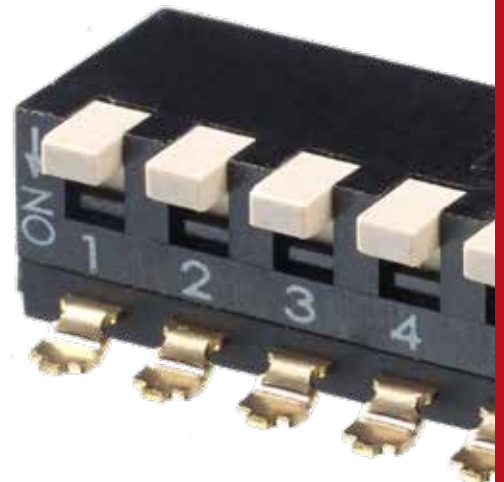
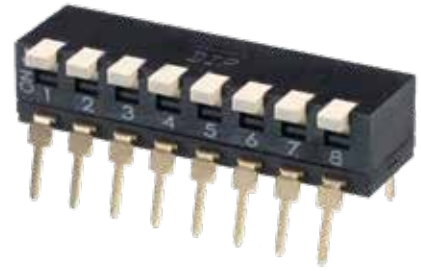
- Actuation force : 800 gf (7.84 N) max.
- Process compatible - withstand IR and vapor phase reflow soldering
- Spray washable with tape seal



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.

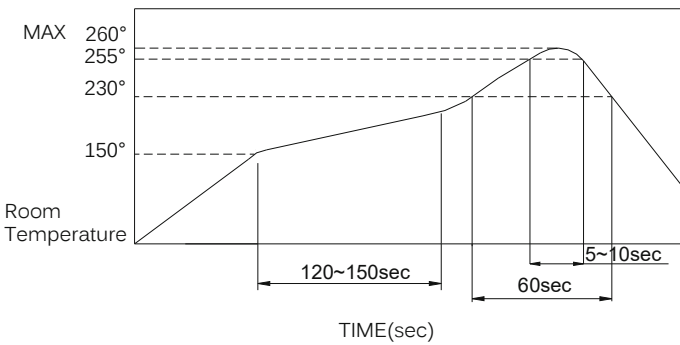
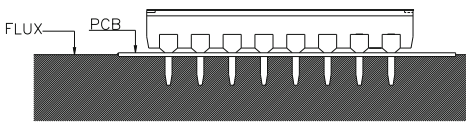


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SOLDERING AND CLEANING

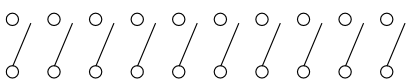
- Surface temperature measured (above) on the PCB copper foil
- Switch surface temperature must not exceed 260 °C (500 °F)
- Hand solder Max 350 °C (662 °F) for 5 seconds
- Care should be taken to prevent flux adhering to the switch
- Only top tape seal version are suitable for spray cleaning



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

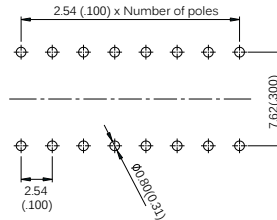
CIRCUIT



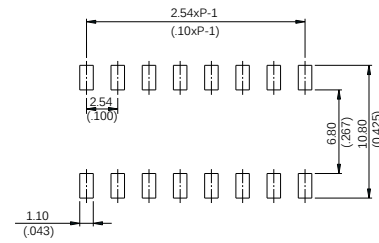
2, 4, 6, 8, 10 way only
Actuator set in up (off) position

PCB LAYOUT

THROUGH-HOLE



SURFACE MOUNT



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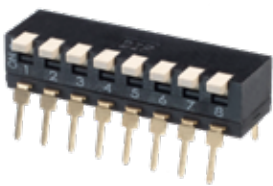
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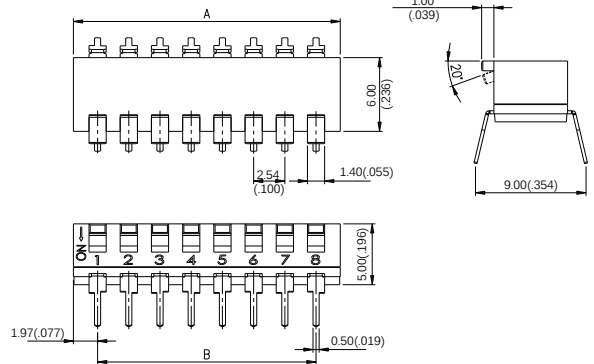
BUILD YOUR PART NUMBER

IKP	—	—	—																										
SERIES	NUMBER OF WAYS	MODEL TYPE	TAPE SEAL																										
	<table border="0"> <tr><td>02</td><td>Two way</td></tr> <tr><td>04</td><td>Four way</td></tr> <tr><td>06</td><td>Six way</td></tr> <tr><td>08</td><td>Eight way</td></tr> <tr><td>10</td><td>Ten way</td></tr> </table>	02	Two way	04	Four way	06	Six way	08	Eight way	10	Ten way	<table border="0"> <tr><td>001</td><td>Through-hole raised actuators</td></tr> <tr><td>000</td><td>Through-hole recessed actuators</td></tr> <tr><td>031</td><td>SMT gull wing raised actuators IC tubes</td></tr> <tr><td>030</td><td>SMT gull wing recessed actuators IC tubes</td></tr> <tr><td>041</td><td>SMT gull wing raised actuators T/R</td></tr> <tr><td>040</td><td>SMT gull wing recessed actuators T/R</td></tr> </table>	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	<table border="0"> <tr><td>00</td><td>Top tape seal*</td></tr> <tr><td>01</td><td>No tape seal</td></tr> </table> <p>*Recessed actuators only</p>	00	Top tape seal*	01	No tape seal
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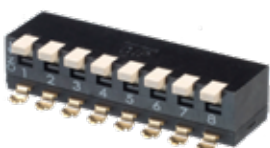
THROUGH-HOLE



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



Number of Poles	Dimension "A"	Dimension "B"
2	6.48 (0.25)	2.54 (.10)
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