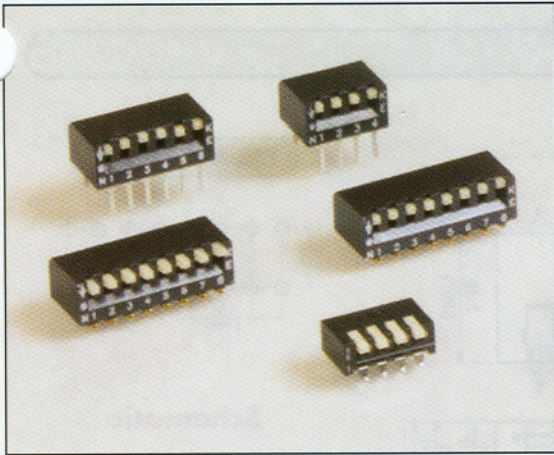
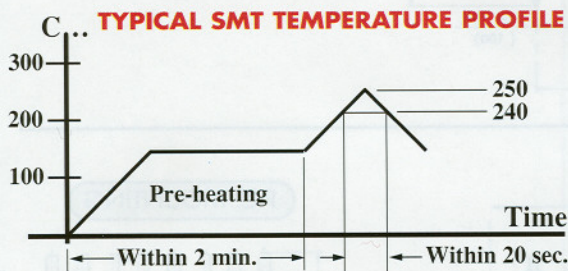




### SPECIFICATIONS

|                            |                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch Function:           | SPST, 1 thru 12 positions (except position 11)                                                                                                                                                                                                  |
| Contact Rating:            | Switch: 25mA @ 24V DC<br>Carry: 100mA @ 50V DC                                                                                                                                                                                                  |
| Insulation Resistance:     | 100 MΩ Min. @ 500V DC                                                                                                                                                                                                                           |
| Contact Resistance:        | Initial: 50 mΩ typical @ 2-4V DC @ 100mA<br>After Life: 100mΩ typical @ 2-4 DC @ 100mA                                                                                                                                                          |
| Operating Life:            | 500 make-and-break cycles, each circuit                                                                                                                                                                                                         |
| Operating Force:           | 800 gf typical                                                                                                                                                                                                                                  |
| Dielectric Strength:       | 300V RMS min. @ sea level between adjacent terminals                                                                                                                                                                                            |
| Temperature Range:         | Operating/Storage: -40° C to 85° C                                                                                                                                                                                                              |
| Vibration:                 | To MIL-STD-202F, Method 201 A                                                                                                                                                                                                                   |
| Shock:                     | To MIL-STD-202F, Method 213B, Condition A                                                                                                                                                                                                       |
| Soldering Recommendations: | Wave: 500F (260 C) for 5s max;<br>Hand: 30W soldering iron @ 608 F (320 C) for 2s typical. Keep all switches in the "ON" position during soldering and cleaning process. For Surface Mount (SMT), see recommended temperature profile (at left) |



### MATERIALS

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Base and Cover: | Liquid Crystal Polymer (LCP), UL94-V0                         |
| Actuator:       | Nylon, UL94-V0                                                |
| Contacts:       | Copper alloy with gold plate over nickel plate                |
| Terminals:      | SMT: Copper alloy with gold plate over nickel plate           |
| Tape:           | Switching mechanism is sealed with Teflon tape with adhesive. |

### PACKAGING

Switches are supplied in standard IC tubes with all poles "ON".

### HOW TO ORDER

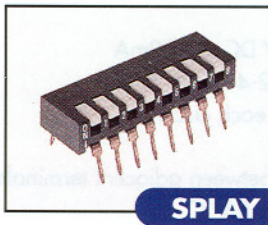
| Series    | Model No.                                     | No. of Positions                                      | Actuator                                     | Termination                                                   | Terminal Finish | Packaging                                                                                   |
|-----------|-----------------------------------------------|-------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------|
| <b>KA</b> |                                               |                                                       |                                              |                                                               |                 |                                                                                             |
|           | R=Low Profile<br>Process Sealed<br>Piano Type | 02=2<br>03=3<br>04=4<br>05=5<br>06=6<br>08=8<br>10=10 | L=Extended<br>S=Low Profile<br>w/o Tape Seal | A=Splayed Pins<br>H=Straight Pins<br>J=J-Leads<br>G=Gull Wing | G=Gold          | T=Std.<br>Tube Qty.<br>(Splay<br>Termination)<br>R=Tape<br>and Reel<br>(SMT<br>Termination) |

#### EXAMPLE

KA → R → 02 → 1 → 06 → G → R

PROCESSES SEALED PIANO DIP SWITCHES

TERMINATION OPTIONS

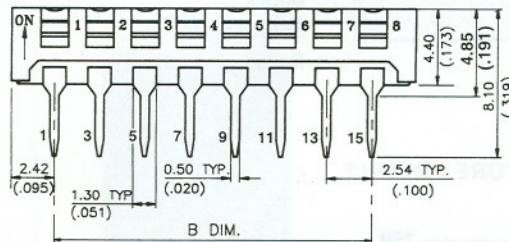
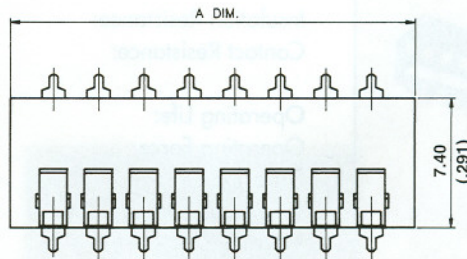
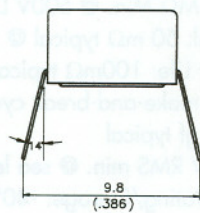


**SPLAY**

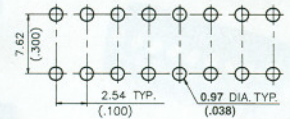
**9.80 mm Spacing**

**Splay for Automatic  
IC Machine Insertion.**

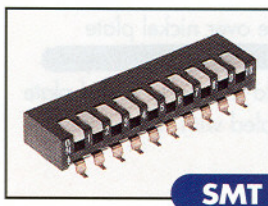
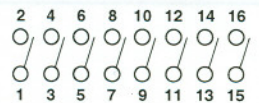
Position 1 denotes Pin No. 1.



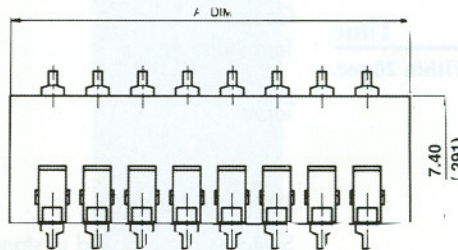
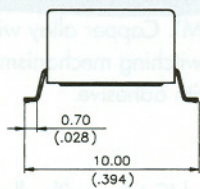
**P.C. MOUNTING**



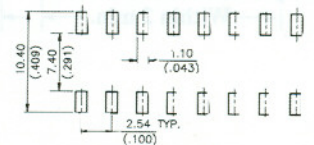
**Schematic**



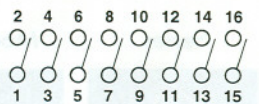
**SMT**



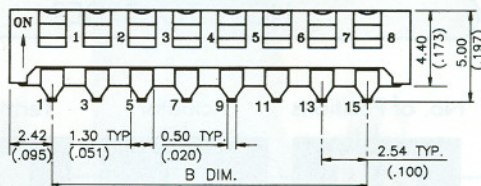
**P.C. MOUNTING**



**Schematic**



**Gull Wing**

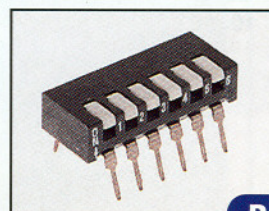


Position 1 denotes Pin No. 1.

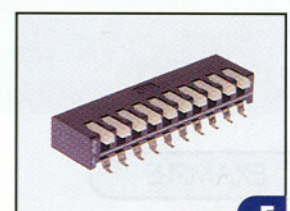
NUMBER OF POSITIONS

| Positions: | 2      | 4      | 6      | 8      | 10      |
|------------|--------|--------|--------|--------|---------|
| "A"        | 7.37   | 12.45  | 17.53  | 22.61  | 27.69   |
| Dimension: | (.290) | (.490) | (.690) | (.890) | (1.090) |
| "B"        | 2.54   | 7.62   | 12.7   | 17.78  | 22.86   |
| Dimension: | (.100) | (.300) | (.500) | (.700) | (.900)  |

ACTUATOR OPTIONS



**R**  
**Recessed**



**E**  
**Extended**