

# SERIES KAR SWITCHES

## PIANO DIP SWITCHES



E-SWITCH™



### SPECIFICATIONS

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Switch Function:       | SPST, 1 thru 12 positions (excluding position 11)          |
| Contact Rating:        | Switch: 25mA @24VDC; Carry: 100mA @50VDC                   |
| Insulation Resistance: | 1,000 Megaohms min @ 100VDC                                |
| Contact Resistance:    | Initial: 50 milliohms max<br>After Life: 100 milliohms max |
| Mechanical Life:       | 2000 make-and-break cycles, each circuit                   |
| Operating Force:       | 500gf max                                                  |
| Dielectric Strength:   | 500 VAC for 60 seconds                                     |
| Storage Temperature:   | -40C to +85C                                               |
| Operating Temperature: | -30C to +85C                                               |

### FEATURES & BENEFITS

- Process sealed option
- SMT termination option
- Low profile actuator

### APPLICATIONS / MARKETS

- Garage door openers
- Controller applications
- Telecommunications
- Testing/instrumentation

### MATERIALS

|                    |                                       |
|--------------------|---------------------------------------|
| Base & Cover:      | PPS, UL94-V0                          |
| Actuator:          | Nylon, UL94-V0                        |
| Movable Contacts:  | Copper alloy with gold over tin plate |
| Terminal Contacts: | Brass with gold over tin plate        |

### PACKAGING

Switches are supplied with all poles in the "OFF" position.

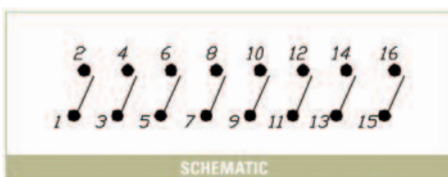
### HOW TO ORDER

| SERIES | MODEL NO.                | NO. of POSITIONS                                                               | ACTUATOR<br>("L" Dimension)                        | TERMINATION                                                           | TERMINAL<br>FINISH       | PACKAGING                                                                               |
|--------|--------------------------|--------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------|
| KA     | <input type="checkbox"/> | <input type="checkbox"/>                                                       | <input type="checkbox"/>                           | <input type="checkbox"/>                                              | <input type="checkbox"/> | <input type="checkbox"/>                                                                |
|        | R = Low Profile          | 02 = 2<br>03 = 3<br>04 = 4<br>05 = 5<br>06 = 6<br>08 = 8<br>10 = 10<br>12 = 12 | 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. Tube Qty.<br>(Pin Termination)<br>R = Tape & Reel<br>(SMT Termination<br>only) |

### Example Ordering Number:

KA R 08 S H G R

Specifications subject to change without notice.

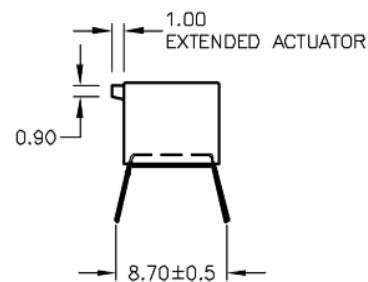
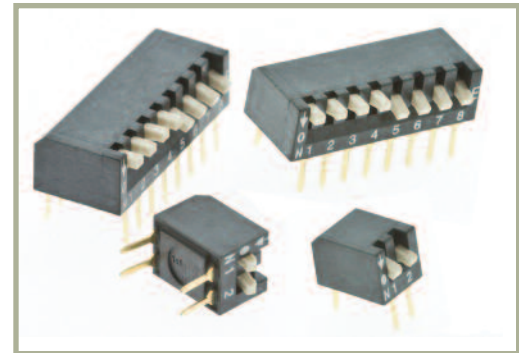
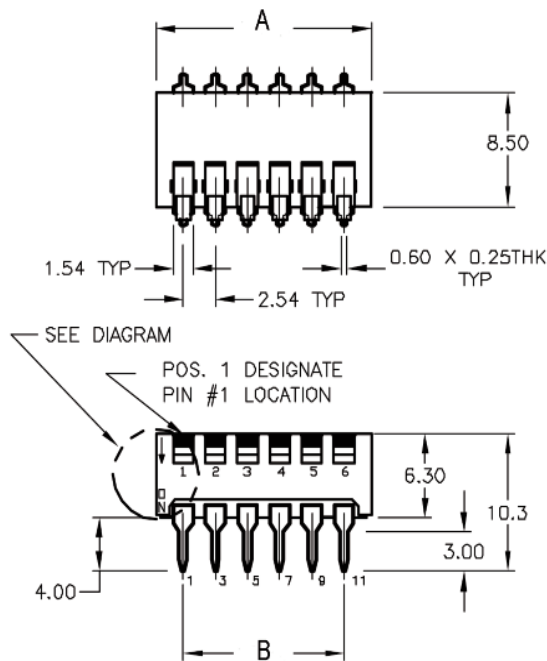


| Number of Positions<br>mm (inch) | 2              | 3              | 4               | 5               | 6               | 7               | 8               | 9               | 10              | 12               |
|----------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| "A" Dimension<br>(+/- 0.3mm)     | 6.08<br>(0.23) | 8.72<br>(0.34) | 11.90<br>(0.46) | 14.44<br>(0.56) | 16.98<br>(0.66) | 19.52<br>(0.76) | 22.06<br>(0.86) | 24.60<br>(0.96) | 27.14<br>(1.06) | 32.33<br>(1.268) |
| "B" Dimension<br>(+/- 0.2mm)     | 2.54<br>(0.10) | 5.08<br>(0.20) | 7.62<br>(0.30)  | 10.16<br>(0.40) | 12.7<br>(0.50)  | 15.24<br>(0.60) | 17.78<br>(0.70) | 20.32<br>(0.80) | 22.86<br>(0.90) | 27.94<br>(1.10)  |

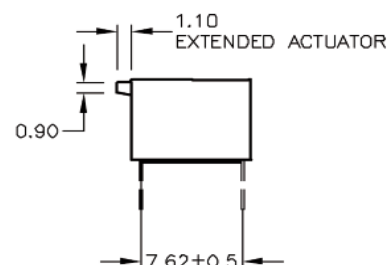
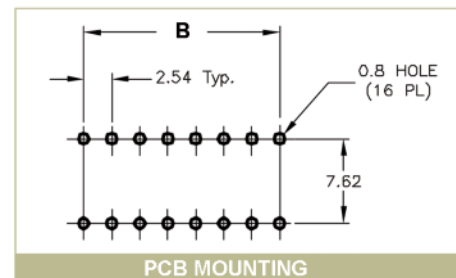
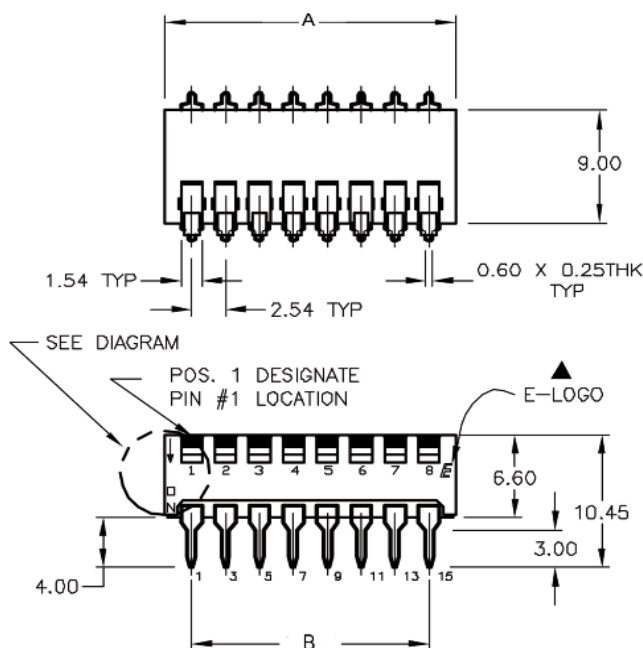
# SERIES KAR SWITCHES

## Through Hole Termination Options

### SPLAYED PIN TERMINATION - "A"



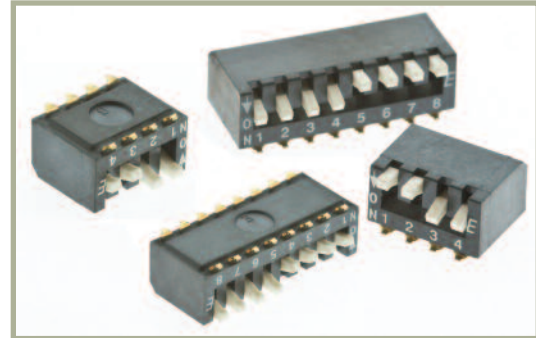
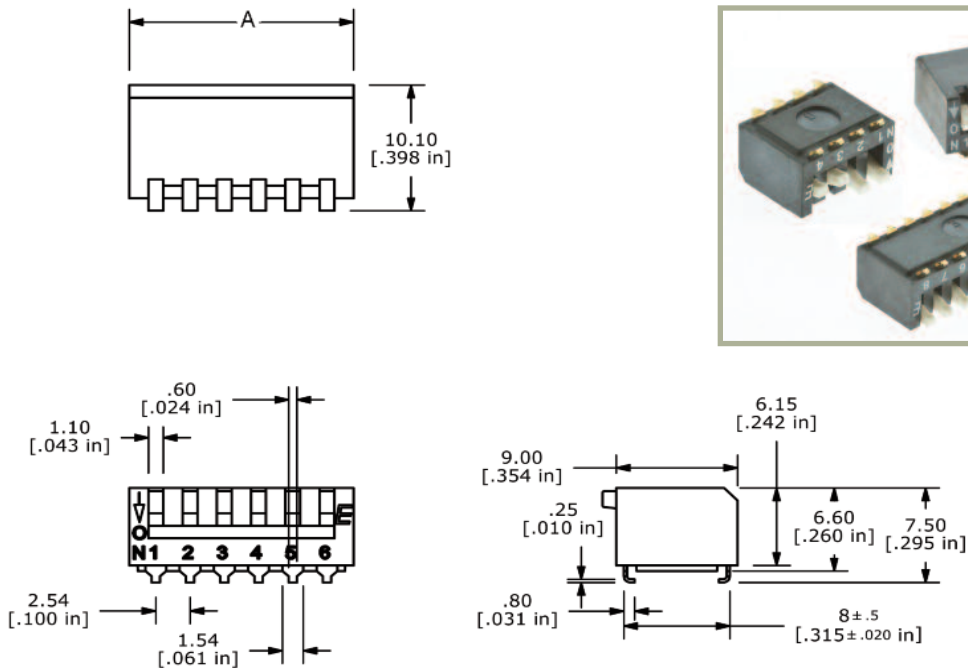
### STRAIGHT PIN TERMINATION - "H"



# SERIES KAR SWITCHES

## SMT Termination Options

### J-LEAD TERMINATION - "J"



### GULL WING TERMINATION - "G"

