

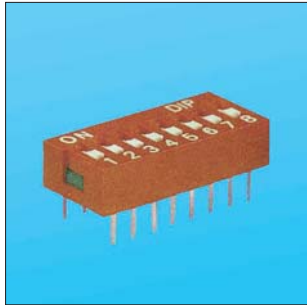
### SPECIFICATIONS

CONTACT RATING: 25mA @24 VDC (switching Rating)  
 100mA @50VDC(non-switching Rating)  
 ELECTRICAL LIFE:2,000 operations min. @ 24VDC,25mA  
 CONTACT RESISTANCE: 50 mΩmax. initial  
 INSULATION RESISTANCE: 100 MΩmin. at 500 VDC  
 DIELECTRIC STRENGTH: 500 V AC /1 min  
 OPERATION FORCE: 400 gf max. (DP series)  
 1000 gf max. (DS & DA series)  
 STORAGE TEMPERATURE: -40° C to 85° C  
 CIRCUIT: SPST

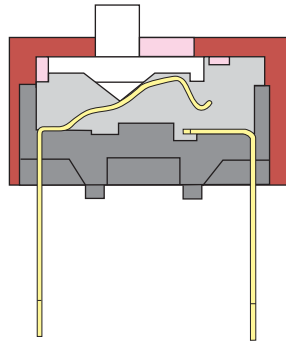
### MATERIALS

COVER: UL94V-0 PBT, Thermoplastic(Red.Black.Blue)  
 BASE: UL94V-0 PBT, Thermoplastic(Black)  
 ACTUATOR: UL94V-0 PBT, Thermoplastic(white)  
 CONTACT PLATING: Gold plating over nickel  
 TOP SEAL: Polyester film  
 POTTING MATERIAL: Epoxy

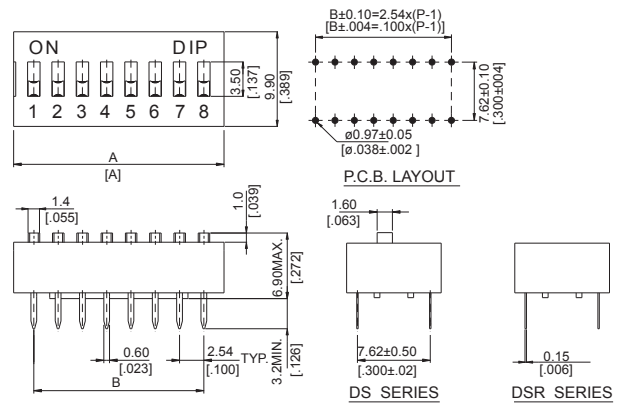
DS,DSR SERIES  
 SLIDE TYPE DIP SWITCH



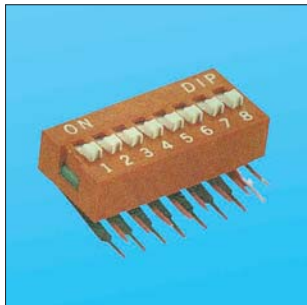
### CONTACT SYSTEM



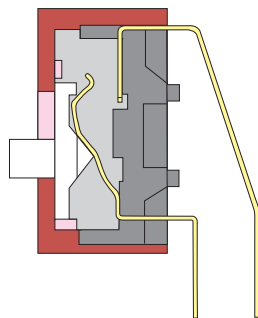
### DIMENSIONS



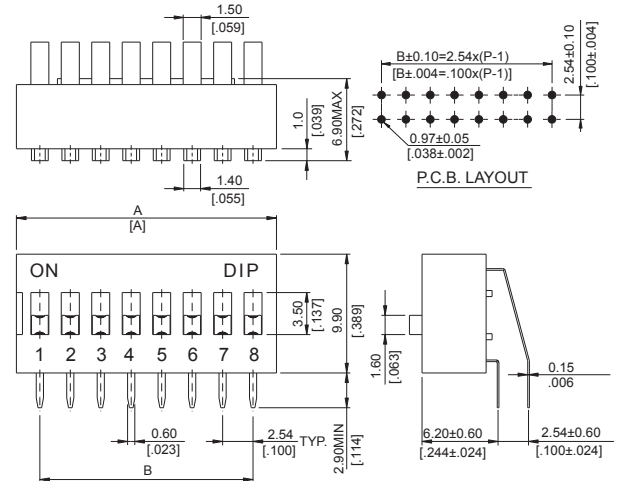
DA SERIES  
 RIGHT ANGLE TYPE DIP SWITCH



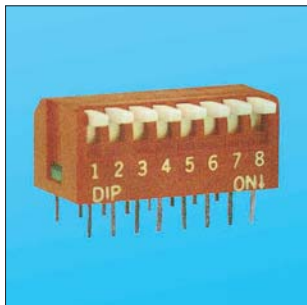
### CONTACT SYSTEM



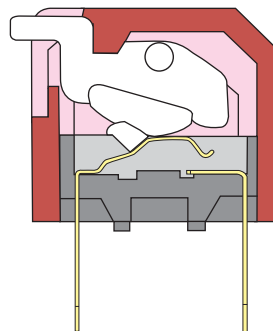
### DIMENSIONS



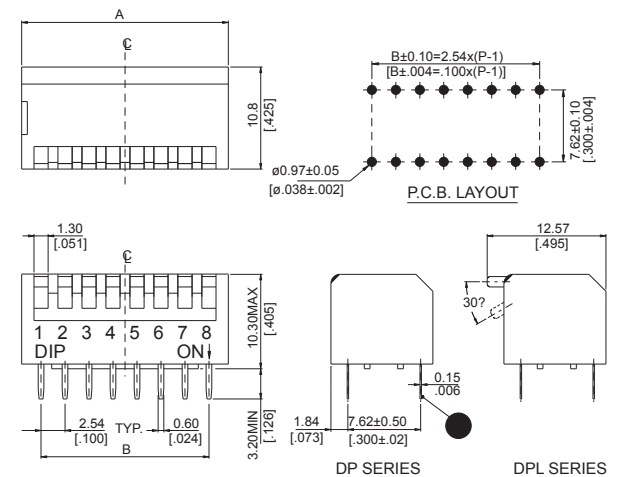
DP,DPL SERIES  
 PIANO TYPE DIP SWITCH



### CONTACT SYSTEM



### DIMENSIONS



### SOLDERING AND CLEANING PROCESSES

- △ Keep all switch contacts in their "OFF" position for all operations.
- △ WAVE SOLDERING: Recommended solder temperature at 500° F (260° C) max 5 seconds.
- △ HAND SOLDERING: Use a soldering iron of 30 Watts or less, controlled at 608° F (320° C) approximately 2 seconds.
- △ Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
- △ Do not clean the switch body except with top tape sealed type, which can only spray of cleaning method from top s/w.

### MODELS

|                     |         |                     |    |              |              |
|---------------------|---------|---------------------|----|--------------|--------------|
| DS - 12<br>DSR - 12 | DA - 12 | DP - 12<br>DPL - 12 | 12 | 31.84[1.254] | 27.94[1.100] |
| DS - 10<br>DSR - 10 | DA - 10 | DP - 10<br>DPL - 10 | 10 | 26.76[1.054] | 22.86[.900]  |
| DS - 09<br>DSR - 09 | DA - 09 | DP - 09<br>DPL - 09 | 09 | 24.22[.954]  | 20.32[.800]  |
| DS - 08<br>DSR - 08 | DA - 08 | DP - 08<br>DPL - 08 | 08 | 21.68[.854]  | 17.78[.700]  |
| DS - 07<br>DSR - 07 | DA - 07 | DP - 07<br>DPL - 07 | 07 | 19.14[.754]  | 15.24[.600]  |
| DS - 06<br>DSR - 06 | DA - 06 | DP - 06<br>DPL - 06 | 06 | 16.60[.654]  | 12.70[.500]  |
| DS - 05<br>DSR - 05 | DA - 05 | DP - 05<br>DPL - 05 | 05 | 14.06[.554]  | 10.16[.400]  |
| DS - 04<br>DSR - 04 | DA - 04 | DP - 04<br>DPL - 04 | 04 | 11.52[.454]  | 7.62[.300]   |
| DS - 03<br>DSR - 03 | DA - 03 | DP - 03<br>DPL - 03 | 03 | 8.98[.354]   | 5.08[.200]   |
| DS - 02<br>DSR - 02 | DA - 02 | DP - 02<br>DPL - 02 | 02 | 6.44[.254]   | 2.54[.100]   |

| PROD. NO.                          |  | NO. OF POS. | DIM. A (DP,DPL) | DIM. B (DS,DSR,DA) |
|------------------------------------|--|-------------|-----------------|--------------------|
| SCHEMATIC(TYP.)                    |  |             |                 |                    |
|                                    |  |             |                 |                    |
| (2,3,4,5,6,7,8,9,10,12, POS AVAIL) |  |             |                 |                    |

### HOW TO ORDER

