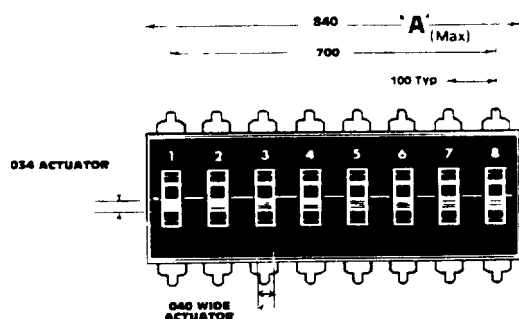
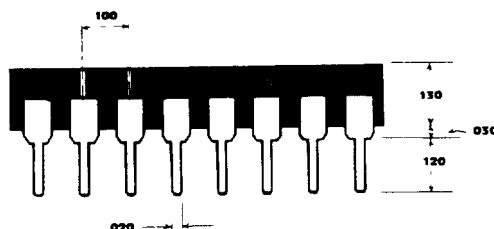
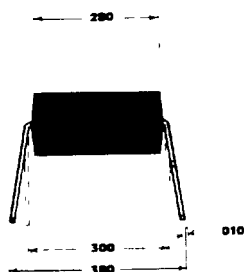


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# SPECIFICATIONS

## Low Profile Dip Switches for Automatic or Manual Insertion



### SPST-FLUSH ACTUATORS

| "A" OVERALL DIMENSION | NUMBER OF SWITCH POSITIONS | PART NUMBER |
|-----------------------|----------------------------|-------------|
| .840                  | 8                          | M40 8S      |
| .720                  | 7                          | M40 7S      |
| .620                  | 6                          | M40 6S      |
| .520                  | 5                          | M40 5S      |
| .420                  | 4                          | M40 4S      |
| .320                  | 3                          | M40 3S      |
| .220                  | 2                          | M40 2S      |

### ELECTRICAL

#### Contact Resistance

Initial, max.

20 Milliohms

After 2000 actuation, max.

80 Milliohms

#### Current and Voltage Ratings, max.

Switching

100mA @ 20VDC

Non-switching

100mA @ 50VDC

Insulation Resistance, initial

1000meg  $\Omega$  500VDC

Dielectric Withstanding Voltage, min.

500VDC

Capacitance, max., between adjacent switches

5 Picofarads

### ENVIRONMENTAL

#### Temperature Rating

Operating

-40°C to +100°C

Storage

-60°C to +125°C

Humidity

95% RH, 40°C for 96 Hours

Vibration

Per MIL-STD-202, Method 204B

Shock

Per MIL-STD-202, Method 213C

Solderability

Per MIL-STD-202, Method 208

Mechanical Life

2000 Actuations, 80 Milliohms, Max.

### PHYSICAL

Housing

30% Glass Filled 6/6 Nylon (UL 94VO)

Lead Frame Contacts

Brass, 30 Microinch Gold Over 50  
Microinch Nickel at Contact Points

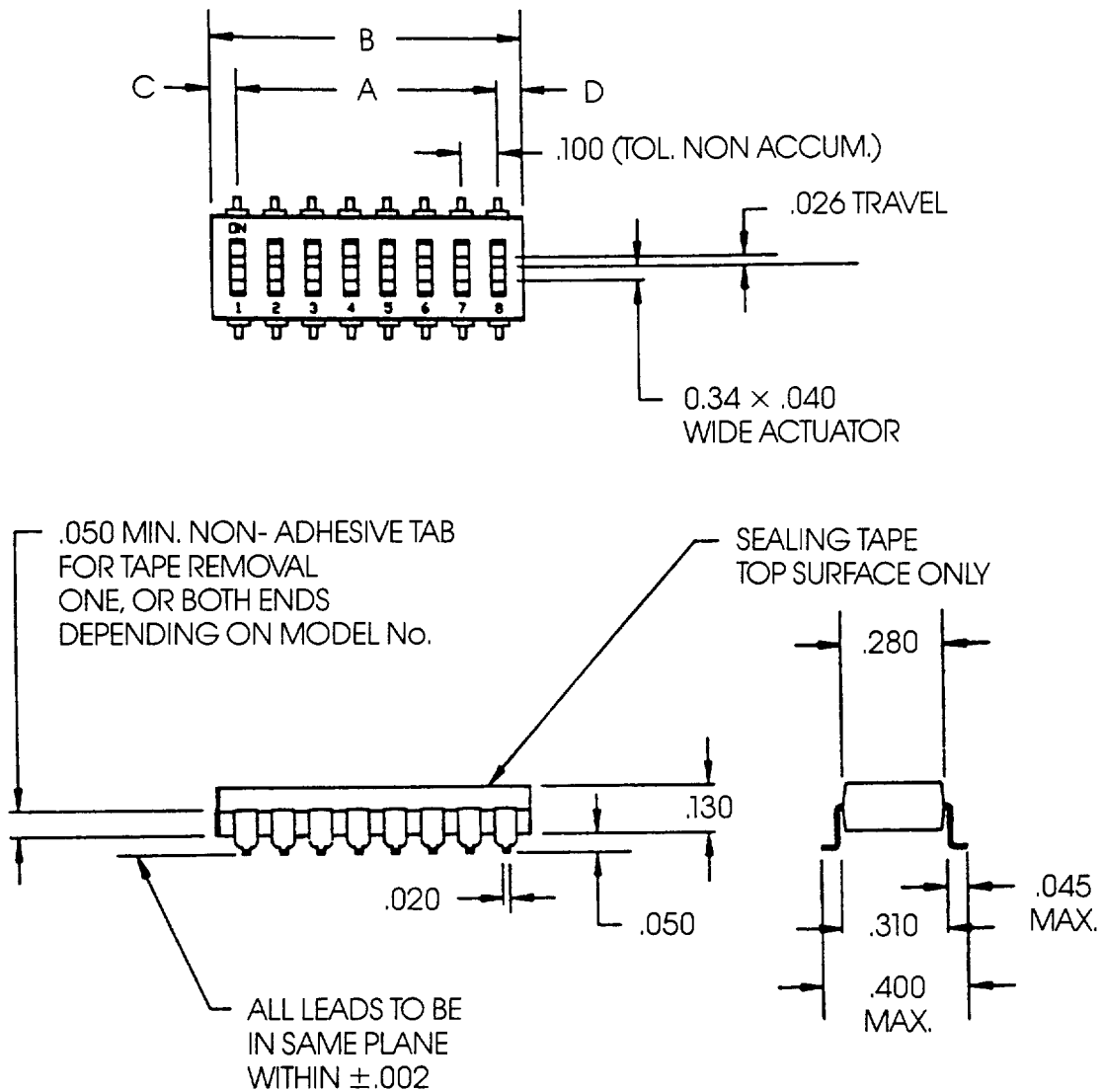
Leads

Solder Plating

Slide Contacts

Beryllium Copper, 30 Microinch Gold  
Over 100 Microinch Nickel

# SURFACE MOUNT DIP SWITCHES



Dimensions in inches

| MODEL NO. | A    | B    | C            | D            |
|-----------|------|------|--------------|--------------|
| M40 8SM   | .700 | .840 | .070         | .070         |
| M40 7SM   | .600 | .715 | .070         | .045         |
| M40 6SM   | .500 | .615 | .070         | .045         |
| M40 5SM   | .400 | .515 | .045         | .070         |
| M40 4SM   | .300 | .415 | .045 or .070 | .070 or .045 |
| M40 3SM   | .200 | .315 | .070         | .045         |
| M40 2SM   | .100 | .215 | .045         | .070         |