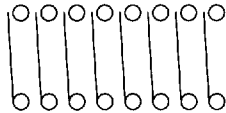


Dual In-Line Package (DIP) Switches — 7000 Series (Continued)

**Single Pole
Single Throw
Side Actuated
Low Profile**

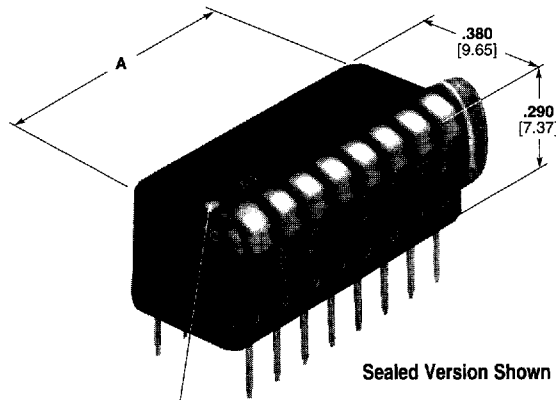
Contact Lead Spacing —
.100 x .300 [2.54 x 7.62]
Lead Length — .140 [3.56]
below mounting surface

Contact Arrangement



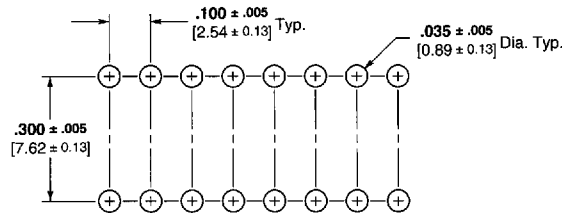
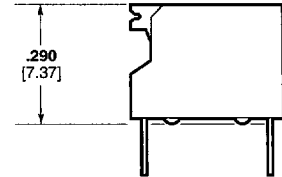
Pin 1

Note: Switches shown in open position



Sealed Version Shown

White Dot Identifies Pin 1



Recommended PC Board Hole Pattern

No. of Switches	Dim. A		SPST Side Actuated Part No.			
	inch	mm	Unsealed ¹	Sealed	UV Sealed	Top Sealed
2	.280	7.11	1-435802-0	—	1-435802-3	—
3	.380	9.65	435802-2	—	1-435802-4	—
4	.480	12.19	435802-3	1-435802-5	1-382394-5	—
5	.580	14.73	435802-4	1-435802-6	1-382394-6	—
6	.680	17.27	435802-5	1-435802-7	1-382394-7	—
7	.780	19.81	435802-6	1-435802-8	1-382394-8	—
8	.880	22.35	435802-1	435802-9	382394-9	3-435802-8
9	.980	24.89	435802-7	1-435802-9	1-382394-9	—
10	1.080	27.43	435802-8	2-435802-0	2-382394-0	—
11	1.180	29.97	—	2-435802-1	—	—
12	1.280	32.51	—	2-435802-2	2-382394-2	—

¹ All switches are bottom sealed.

Dual In-Line Package (DIP) Switches — 7000 Series

AMP 7000 Series DIP switches are available in standard single pole, single throw; side actuated, single pole, single throw and multiple series versions. Contacts are made of high strength copper alloy with .000030 [0.00076] gold over .000050 [0.00127] nickel plating in contact area and legs plated to meet AMP Solderability Specification 109-11-3.

The multiple series switches offer the unique feature of single pole switches coupled mechanically to provide switching of various poles simultaneously. This allows flexibility in programming.

Multipole switches are also available with or without lever-actuated rockers and in a variety of configurations in addition to those listed. The maximum number of poles that can be ganged is six.

Performance Characteristics**Current and Voltage Rating:**

Nonswitching — 1.5 amperes max. at 50 VDC
Switching — 100 milliamperes max at 5 VDC (resistive load);
25 milliamperes max. at 24 VDC (resistive load)

Contact Resistance, Dry Circuit:

100 milliohms max. (end of life) and 50 milliohms (initial) at 50 mV open circuit, 50 milliamperes

Insulation Resistance:

1 x 10¹¹ ohms min. at 100 VDC (initial)

Dielectric Withstanding Voltage:

500 VDC min. at standard atmospheric conditions

Capacitance:

5 picofarads max.

Temperature Rating:

Nonoperating — -73.3°C to +105°C
Operating — -55°C to +105°C

Vibration:

Discontinuities shall not exceed 10 microseconds when subjected to 10-2000-10 Hz transversing for 20 minutes at .060 [1.52] inches total excursion

Shock:

No physical damage or discontinuities greater than 10 microseconds when tested with .10 ampere current applied per AMP Specification 109-26, Condition A

Humidity:

Withstands an environment of +40°C and 95% RH for 96 hours

Durability:

No physical damage or contact resistance greater than 100 milliohms up to 7000 cycles of actuation with a resistive load of 24 VDC and 25 milliamperes max. current applied

Terminal Strength (Bend Test):

Two (2) 45° bend cycles per MIL-STD-202, Method 211, Condition B

Materials**Housing:**

Glass-filled polyester, 94V-0 rated, black

Rocker:

Thermoplastic, 94V-0 rated, white

Spring Contacts and Leads:

Copper alloy with .000030 [0.00076] gold over .000050 [0.00127] nickel in contact area and .000150 [0.00381] tin-lead over .000050 [0.00127] nickel on solder legs, plated to meet AMP Solderability Specification 109-11-3.

Technical Documents**Product Specification:**

108-7519

Instruction Sheet:

408-07779