BOURNS®

Features

- Setting (+, 0, -) function: 3^n codes
- Double contacts
- Low contact resistance
- High reliability
- Self-clean on contact area

Applications

- Digital security programming
- Remote controls
- PC interface boards

STDX Series Slide DIP Switch

Electrical Characteristics

Electrical Life .....2,000 operation cycles per switch min.
Non-Switching Rating 100mA, 50VDC
Switching Rating .....25mA, 24 VDC
Contact Resistance
.....50 mΩ max. at initial
.....100 MΩ max. after life test
Insulation Resistance
.....100 mΩ min. at 500VDC.
Dielectric Strength.....500VDC/minute
Capacitance.....5pF max.
Circuit .....3 switching positions

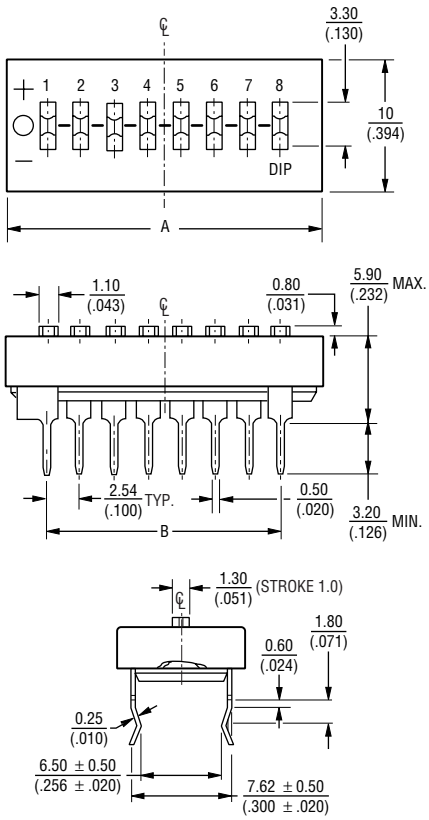
Environmental Characteristics

Mechanical Life..2,000 operations per switch
Operation Force .....1,000g max.
Stroke.....1.0mm
Operating Temp. Range.....-20°C to +70°C
Storage Temperature .....-40°C to +85°C
Vibration Test .....MIL-STD-202F Method 201A
Frequency 10-55-10Hz/minute
Directions .....X,Y,Z, three mutually perpendicular directions
Time .....2 hours each direction
Shock Test .....MIL-STD-202F Method 213B, Condition A
Gravity .....50G (peak value), 11 msec
Direction & Times.....6 sides and 3 times in each direction. High reliability

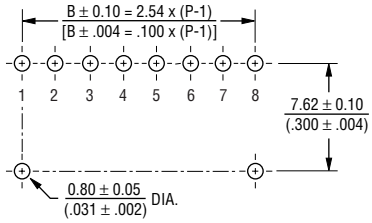
Physical Characteristics

Base and Cover Materials
.....UL94V-0 PBT Thermoplastic
Color .....Black
Actuator Materials.....UL94V-0 Nylon Thermoplastic
Contact Materials.....Alloy Copper
Terminal Materials .....Brass
Contact Plating .....Gold plating over nickel
Terminal Plating .....Tin/Lead solder plating
Wave Soldering Process*
.....Recommended solder temp. at 260°C (500°F) max., 5 sec.
Hand Soldering Process*
.....Use a soldering iron of 30 watts, controlled at 320°C (608°F) for approx. 2 sec. while applying solder
Standard Packaging
.....IC tubes/all poles in the "off" position

Product Dimensions

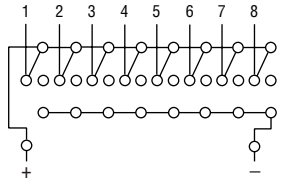


RECOMMENDED PCB LAYOUT



DIMENSIONS: MM (IN)

SCHEMATIC (TYP.)
4,8,9,10 POSITIONS AVAILABLE



STD Series Dimensions

MODEL	POSITIONS	DIM. A	DIM. B
STDX-10	10	29.38 (1.157)	22.86 (.900)
STDX-9	9	26.84 (1.057)	20.32 (.800)
STDX-8	8	24.30 (.957)	17.78 (.700)
STDX-4	4	14.14 (.557)	7.62 (.300)

How to Order

STD X - 10 - X

Model
Actuator
X = Raised
Height
4 = 4 Positions
8 = 8 Positions
9 = 9 Positions
10 = 10 Positions
Seal
X = Standard (Not Sealed)

BOURNS INC

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*For best results, keep all switch contacts in their "off" position for all operations.

Specifications are subject to change without notice.

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