Features
- Eight and four positions available
- Gold plated contacts offer high reliability
- Low contact resistance
- Just 1.5 mm total height
- Half pitch of 1.27 mm (.050 in.)
- RoHS compliant*

SDHH Series Half Pitch SMD DIP Switch

Electrical Characteristics
- Electrical Life: 1,000 operation cycles per switch min.
- Non-Switching Rating: 100 mA, 50 VDC
- Switching Rating: 25 mA, 24 VDC
- Contact Resistance: 100 mohms max.
- Insulation Resistance: 100 Mohms min.
- DC 500 V min.
- Dielectric Strength: AC 300 V for 1 minute
- Capacitance: 5 pF max. between adjacent closed switch circuit
- Environmental Characteristics
  - Mechanical Life: 1,000 operations per switch min.
  - Operation Force: 500 g max.
  - Stroke: 0.6 mm
  - Operating Temp. Range: -40 °C to +85 °C
  - Storage Temperature: -40 °C to +85 °C
  - Vibration Test: MIL-STD-202F, Method 201A
  - Frequency: 10-50-10 Hz/1 minute
  - Directions: X, Y, Z, three mutually perpendicular directions
  - Time: 2 hours each direction, high reliability
  - Gravity: 50 G (peak value), 11 ms
  - Direction: 6 times
  - Times: 6 sides and 3 times in each direction
  - High reliability

Physical Characteristics
- Cover Material: Thermoplastic Nylon, UL94V-0; black
- Base Material: Thermoplastic LCP, UL94V-0; white
- Actuator Material: Alloy Copper Contact Plating: 3 Micron inches gold over 40 micro inches nickel
- Terminal Material: Brass with gold plating
- Reflow Soldering: Peak temperature or reflow oven should be set to 240 °C max. 2 sec while applying solder
- Packaging: All poles in the "off" position

Recommended PCB Layout

Circuit Diagram

How to Order
- Model: SDH H - 8 - T R
- Actuator: R = Recessed, T = Top
- Number of positions: 4 = 4 positions, 8 = 8 positions
- Seal: T = Top tap sealed (standard)

Reflow Soldering Profile

Dimensions are: MM (INCHES)

Tolerances: ±0.2 except where noted.

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

OBSOLETE
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