DSD/DSL SERIES

SLIDE END STACKABLE "SMT" TYPE

◆ Features

- End stackable for standard 0.100″ integrated circuit pitch.
- Molded 0.300″ integrated circuit packting outline allowing automatic insertion.
- Smaller size makes better heat convection during PC board wave soldering.
- Top tape sealed to withstand wave soldering, board washing.

- All materials are UL 94V-0 grade fire retardant plastics.
- Twin contact designed to ensure stable contact.
- Gold plated contact to ensure low contact resistance and tin plated terminal to prevent contamination during soldering (**tin/gold**).

◆ Specifications

1. ELECTRICAL

1-1 Contact Rating
  - switching : 25 mA, 24 VDC
  - non-switching : 100 mA
1-2 Contact Resistance
  - initial : 50 mΩ max.
  - after life test : 100 mΩ max.
1-3 Insulation Resistance : 1000 MΩ min. at 100 VDC
1-4 Dielectric Strength : 500 VDC for 1 min.
1-5 Capacitance between
 adjacent switches : 5pF max.

2. MECHANICAL and ENVIRONMENTAL

2-1 Temperature rating
  - operating : -25°C to +70°C
  - storage : -40°C to +85°C
2-2 Operating force : 800 g max.
2-3 Mechanical life : 2000 operations
2-4 Humidity : 95% RH, 40°C for 96 hours
2-5 Vibration : Per MIL-STD-202F, method 204D
2-6 Solderability : 95% coverage after 230°C +/- 5 for 5 sec.
2-7 Soldering temperature : 210°C for 20 sec., 230°C peak for 3 sec.
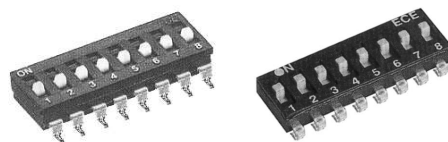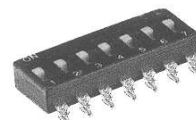
◆ Construction

DSD
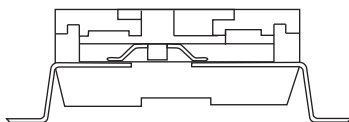
DSL
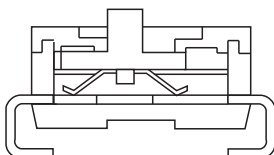
◆ Options

1. Special marking and case color available
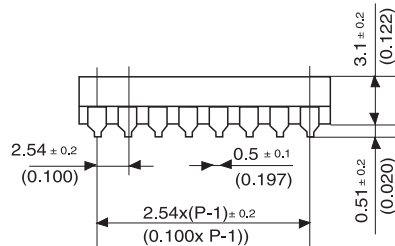2. Extended Actuator

3. Tape sealed

E-tec Interconnect

◆ Dimensions and circuitry

DIMENSION A

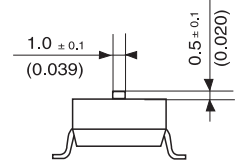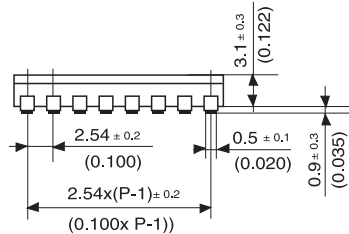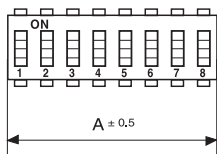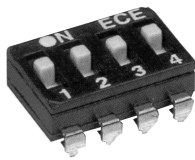| Position	1	2	3	4	5	6	7	8	9	10	12
A	2.5 (0.098)	5.04 (0.198)	7.58 (0.298)	10.12 (0.398)	12.66 (0.498)	15.20 (0.598)	17.74 (0.698)	20.28 (0.798)	22.82 (0.898)	25.36 (0.998)	30.43 (1.198)

Unit: mm (inch)

DSD

(L) TYPE

10.2 ± 0.3 (0.402)
7.62 ± 0.3 (0.300)
6.5 ± 0.2 (0.256)

(E) TYPE

1.0 ± 0.1 (0.039)
0.5 ± 0.1 (0.020)

3.1 ± 0.2 (0.122)
2.54 ± 0.2 (0.100)
0.5 ± 0.1 (0.197)
0.51 ± 0.2 (0.020)
2.54x(P-1) ± 0.2 (0.100x P-1))

DSL

(L) TYPE

7.62 ± 0.4 (0.300)
6.6 ± 0.4 (0.260)
1.4 ± 0.3 (0.055)   1.4 ± 0.3 (0.055)

(E) TYPE

1.0 ± 0.2 (0.039)
0.4 ± 0.2 (0.016)

3.1 ± 0.3 (0.122)
2.54 ± 0.2 (0.100)
0.5 ± 0.1 (0.020)
0.9 ± 0.3 (0.035)
2.54x(P-1) ± 0.2 (0.100x P-1))

◆ Circuit diagram

◆ P.C.B Pattern

1.15x ± 0.5 (0.045)
2.54x(P-1) ± 0.2 (0.100x(P-1))
4.6 ± 0.2 (0.181)
11.2 ± 0.2 (0.441)
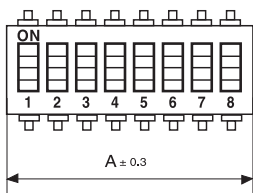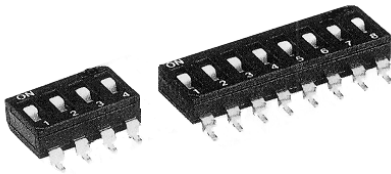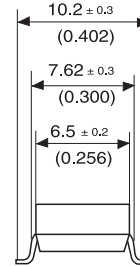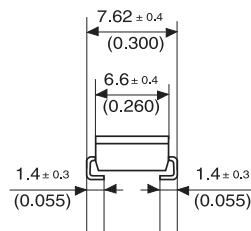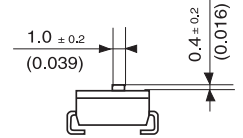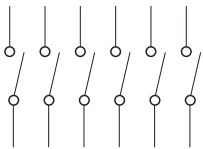
◆ Part Numbering System

DSD - 1 08 - L Z

- └ RoHS compliant

- Actuator and Sealing:
  - L = Low profile Actuator
  - E = Extended Actuator
  - LT = Top Tape Sealed and Low profile Actuator
  - LC = Tape & Reel package without Tape Sealed
  - LD = Tape & Reel package with Tape Sealed

- Number of positions: 01,02,03,04,05,06,07,08,09,10,12

- Contact Form : 1 = SPST

- Series: DSD : Gullwing type
  DSL : J-leg type