

ESD/ESL SERIES

END-STACKABLE SMT TYPE

PATENT NO.:47618415364856189(U.S.A.)

FEATURES

- End stackable for standard 0.1" integrated circuit pitch.
- Molded 0.3" integrated circuit packing outline allowing automatic insertion.
- Smaller size makes better heat convection during PC board reflow wave soldering.
- Top tape sealed to withstand wave soldering, board washing.
- All plastics are UL 94V-0 grade fire retardant.
- Twin contacts designed to ensure stable contact.
- Gold plated contact to ensure low contact resistance and Tin plated terminals to prevent contamination during soldering.

SPECIFICATIONS

1 . ELECTRICAL

Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA, 50 VDC
Contact resistance	
initial	50 m Ω Max.
after life test	100 m Ω Max.
Insulation resistance	1000 M Ω Min. at 100 VDC
Dielectric strength	500 VDC Min. for 60 seconds
Capacitance between adjacent switches 5 pF Max.	

2.MECHANICAL

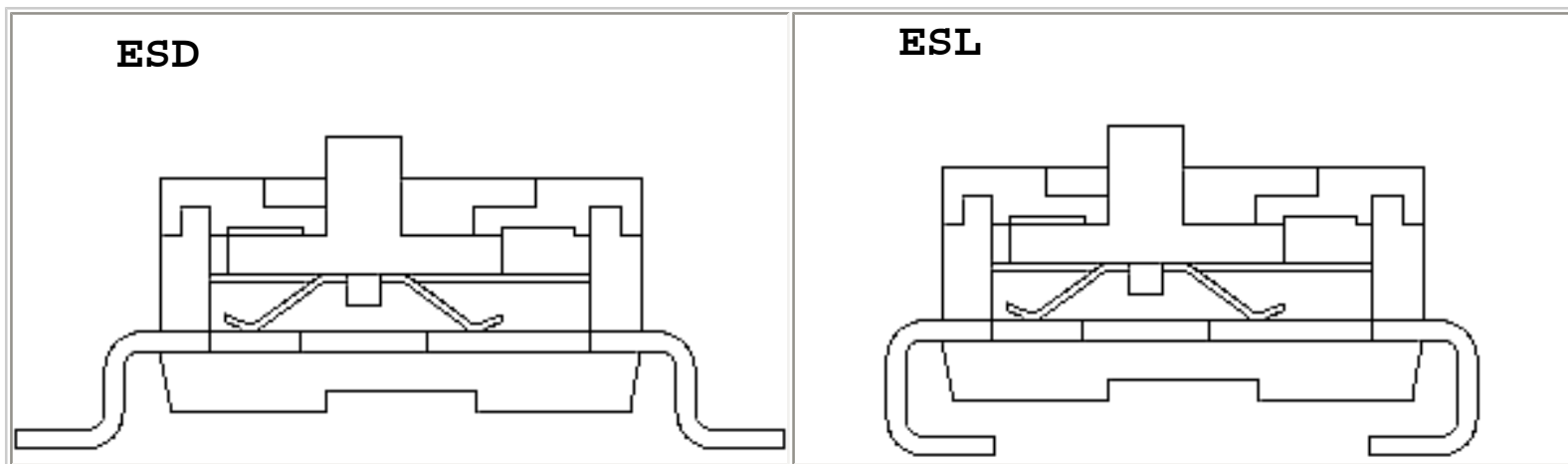
Temperature rating	
operating	-25°C to +70°C
storage	-40°C to +85°C
Operation force	800g Max.
Mechanical life	2000 operations
Humidity	95%RH, 40°C for 96 Hrs.
Vibration	Per MIL-STD-202F, method 204D
Solderability	after flux 230±5°C for 5±0.5 seconds, 95% coverage
Resistance to soldering Heat	260±5°C for 5°C seconds.
Reflow soldering heat for SMT type (reference only)	reflow zone 230±5°C for 30 seconds

PART NUMBERING SYSTEM

ESD 1 08 L

+--- Actuator, Sealing and Rows Spacing Options:
 L:Low Profile Actuator
 E:Extended Actuator
 LT:Top Tape Sealed & Low Profile Actuator
 LC:Tape & Reel Package, product without
 Top Tape sealed
 LD:Tape & Reel Package, product with
 Top Tape sealed
 +--- Number of Positions: 1,2,3,4,5,6,7,8,9,10,12
 +--- Contact form: SPST
 +--- Series name: ESD:Surface mounting "S" type(Gull Wing)
 ESL:Surface mounting "L" type(T-Bend)

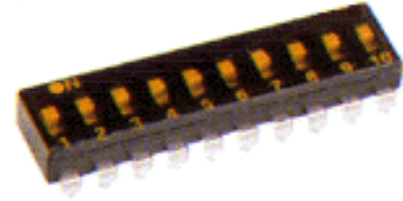
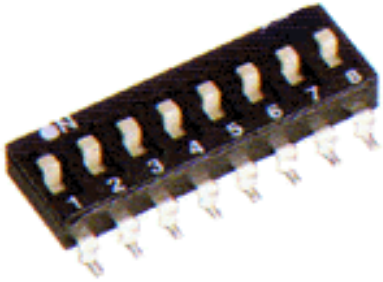
CONSTRUCTION



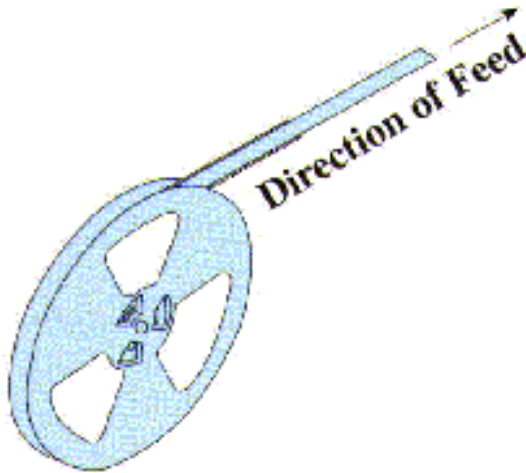
OPTIONS

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

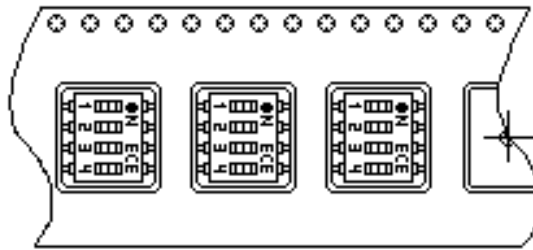
3.Top Tape Sealed



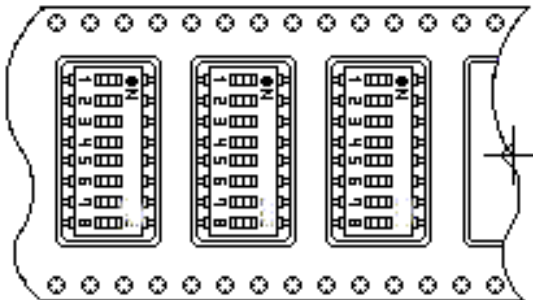
4.Tape & Reel Packaging (per EIA STANDARD)



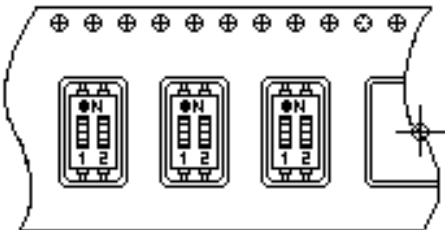
For 3P-6P
 → **Direction of feed**



For 7P-12P
 → **Direction of feed**



For 1P-2P
 → **Direction of feed**



Pole	No. of pcs per reel
1P	2000
2P	1300
3P	1000
4P	1000
5P	1000
6P	1000
7P	1000
8P	1000
10P	1000
12P	1000

DIMENSIONS AND CIRCUITRY (UNIT: mm)

DIMENSION A ESD/ESL

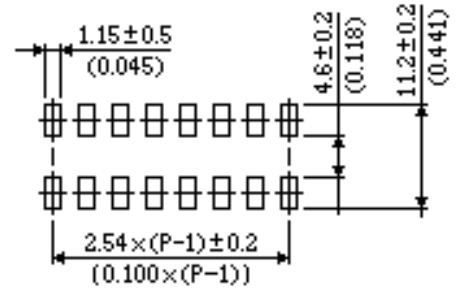
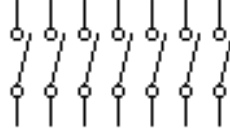
Positions	1	2	3	4	5	6
A	2.50 (0.098)	5.04 (0.198)	7.58 (0.298)	10.12 (0.398)	12.66 (0.498)	15.20 (0.598)

Positions	7	8	9	10	12
A	17.74 (0.698)	20.28 (0.798)	22.82 (0.898)	25.36 (0.998)	30.43 (1.198)

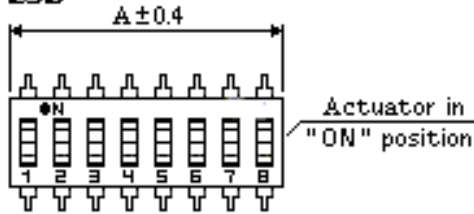
Unit:mm(inch)

P.C.B LAYOUT (TOP VIEW)

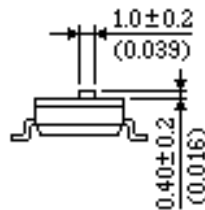
CIRCUIT DIAGRAM



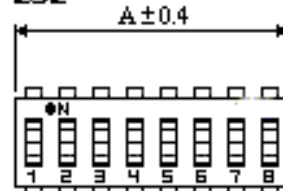
ESD



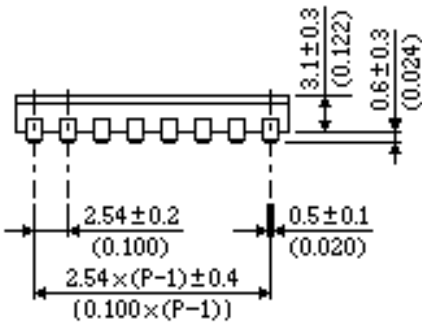
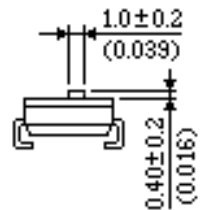
(E) TYPE



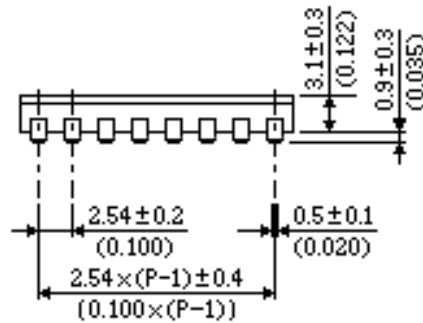
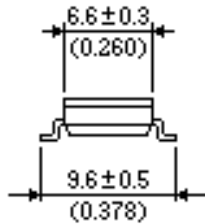
ESL



(E) TYPE



(L) TYPE



(L) TYPE

