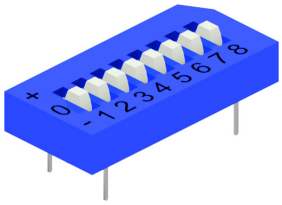
DTD / DTA / DTS Series

SLIDE *TRI-STATE* "THT" & "SMT" TYPE

RoHS compliant

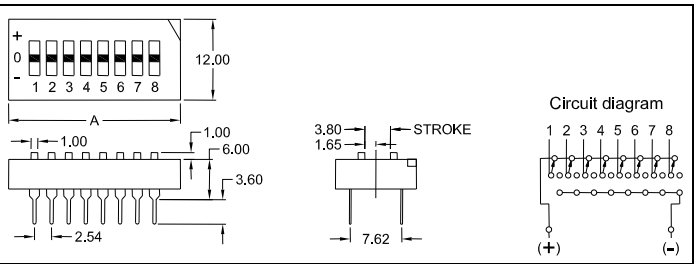
E-tec Interconnect

DTD



Position	4	5	6	7
Dim. "A"	15.30	17.84	20.38	22.92
Position	**8**	**9**	**10**	
Dim. "A"	25.46	28.00	30.54	

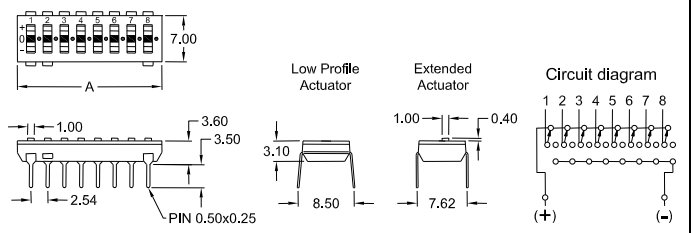
Unit: mm



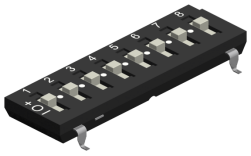
DTA

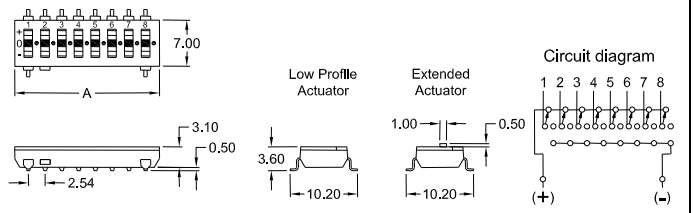
Position	2	3	4	5
Dim. "A"	6.88	9.42	11.96	14.50
Position	**6**	**7**	**8**	**9**
Dim. "A"	17.04	19.58	22.12	24.66
Position	**10**	**12**		
Dim. "A"	27.20	32.28		

Unit: mm



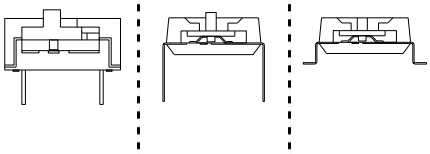
DTS





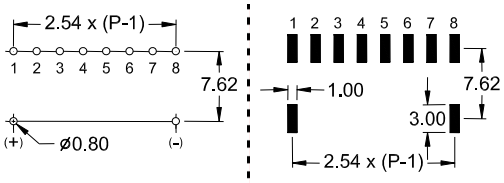
Construction

DTD DTA DTS



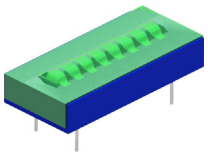
PCB Hole/SMT Layout

DTD / DTA DTS

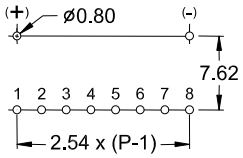


Options

1. Tape sealed



2. Reverse PCB Layout available



SPECIFICATIONS

Electrical data

Contact Rating	
-switching	25 mA, 24 V DC
-non-switching	100 mA, 50 V DC
Contact Resistance	
-initial	50 mΩ max.
-after life test	100 mΩ max.
Insulation Resistance	1000 MΩ min. at 100 V DC
Withstanding Voltage	500 V AC for 1 Minute
Capacitance between adjacent switches	5 pF max.

Mechanical and Environmental data

Operating temperature	- 25°C to +70°C
Storage temperature	- 40°C to +85°C
Operating force	800 gf max.
Mechanical life	2000 operations
Vibration	10 Hz – 50 Hz – 10 Hz for 6 hours

FEATURES

- With three state (1-open-0) setting function, especially suitable for encoding/decoding of tri-state encoder/decoder integrated circuit to obtain more security codes than traditional two-state (1-0) operation. For instance, 9 bits with tri-state gets 19,683 (3^9) codes, while two-state has 512 (2^9) codes, gains 38 times in former
- All plastics used are UL 94V-0 grade fire retardant
- Gold plated contacts to ensure low contact resistance, and tin plated terminal to prevent contamination during soldering (*gold/tin)*
- Twin contacts designed to ensure stable contact
- Ideal for Telecommunication, Transmitter, Remote Control and Burglar Alarm Systems which use integrated circuits with tri-state coding systems
- Standard packing method Tube

How to order

DTX – 1 xx – XX Z

Series

DTD = Bottom Epoxy Sealed THT Type

DTA = Low Profile THT Type

DTS = Low Profile SMT Type

Nbr of positions

see under position/dimension box above

Example:
2 Position = **02**
3 Position = **03**
etc.

Actuator and Sealing

E = Extended Actuator

ET = Extended Actuator & Tape sealed

Low Profile Actuator for DTA & DTS Series only!

L = Low Profile Actuator

LT = Low Profile Actuator & Tape sealed