

ETD/ETA/ETS SERIES TRI-STATE TYPE



■ 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 (3⁹) codes, while two-state has 512 (2⁹) codes, gains 38 times more codes with a ECE tri-state DIP Switch.
- Bottom sealed to ensure free of flux immersion during wave soldering.
- All plastics are UL 94V-0 grade fire retardant.
- Gold plated contact to ensure low contact resistance and Tin plated terminals to prevent contamination during soldering.
- Twin contacts designed to ensure stable contact.
- Ideal for coding tele-communication, transceiving, remote control and burglar alarm systems which use integrated circuits with tri-state coding systems.
- RoHS Compliant

APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

SPECIFICATIONS

1.ELECTRICAL

Contact rating	
switching	25mA, 24VDC
non-switching	100mA



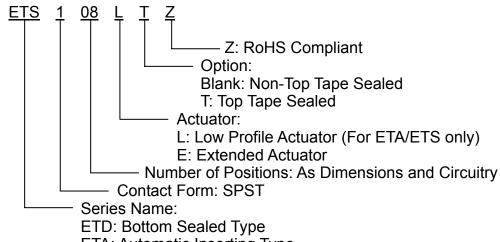
Contact resistance		
initial	50mΩ Max.	
after life test	100mΩ Max.	
Insulation resistance	1000MΩ Min. at 100VDC	
Dielectric strength	500VDC Min. for 60 seconds	
Capacitance between adjacent switches 5pF Max.		

2.MECHANICAL and ENVIRONMENTAL

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Temperature rating	operating	-40°C to +85°C
	storage	-40°C to +85°C
Operation force		800g Max.
Mechanical life		2000 operations
Humidity		95% RH, 40°C for 96 Hrs.
Vibration		10Hz-55Hz-10Hz for 6 Hrs.
Solderability (for through hole type)		After flux 245±5℃ for 5±1 seconds
Resistance to soldering heat		Solder bath:260±5° for 5±1 seconds. Solder reflow:peak temperature 260° Max.
 Reflow soldering process for SMT type 		Reference IEC61760

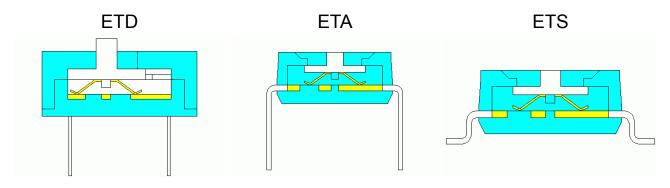


■ PART NUMBERING SYSTEM



ETA: Automatic Inserting Type ETS: Surface Mounting Type

■ CONSTRUCTION



OPTIONS





■ DIMENSIONS AND CIRCUITRY

