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ELECTRONIC HARDWARE AG

ETD/ETA/ETS SERIES

TRI-STATE TYPE

Features

- With three states (1, open, 0) setting function, especially suitable for encoding / decoding of tristate 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 gets 512 (29) codes, gains 38 times in former!
- Bottom sealed standard to ensure free of flux immersion during wave soldering.
- All materials are UL 94V-0 grade fire retardant plastics.
- Gold plated contact to ensure low contact resistance and tin plated terminal to prevent contamination during soldering.
- Twin contact designed to ensure stable contact.
- Ideal for coding of tele-communication, transceiving, remote control and burglar alarm systems which use integrated circuits with tri-state coding system

SPECIFICATIONS

1. ELECTRICAL

Contact rating
Switching 25mA, 24VDC
Non-switching 100mA, 50VDC

Contact resistance Inital:

Inital: 50m ohm Max.
After Life test: 100m ohm Max.
Insulation Resistance 1000M ohm Min. at

100VDC

Dielectric strength 500VDC Min. for 60

seconds

Capacitance between adjacent switches 5pF Max.

2. MECHANICAL AND ENVIRONMENTAL

Temperature rating

Operating -25°C to $+70^{\circ}\text{C}$ Storage -40°C to $+85^{\circ}\text{C}$ Operating 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 $230 \pm 5^{\circ}$ C for 5 ± 0.5 seconds, 95%

coverage.

Soldering heat for ETA, ETD type

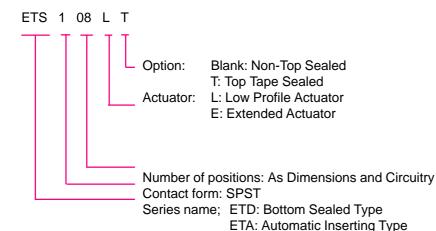
260 ±5°C for 5 ±1 sec.

for ETS type

 260 ± 5 °C for 10 ± 1 sec. 280 ± 5 °C for 2 ± 0.5 sec. (Resistance to IR Reflow

Soldering Heat)

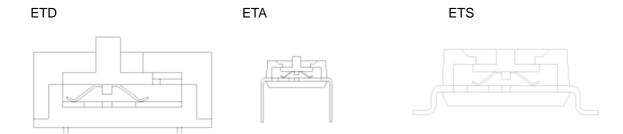
PART NUMBERING SYSTEM



ETS: Surface Mounting Type

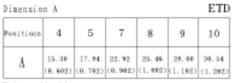


CONSTRUCTION

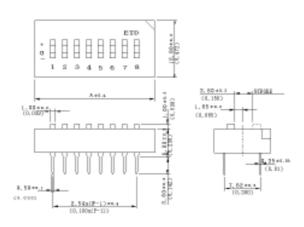


DIMENSIONS AND CIRCUITRY

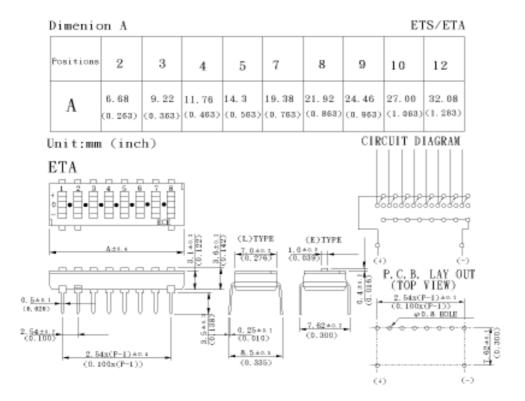
ETD





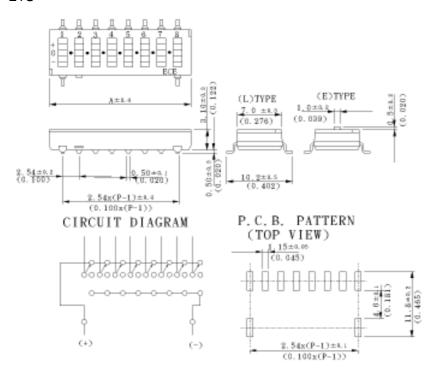


ETA



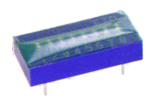


ETS



OPTIONS

1. Tape sealed. 2. Reverse P.C.B. LAYOUT available ETDxxxET **ETSxxxLT**





φ0.8 HOLE (-) 7.62±0.1 (0.300) 5 6 2.54X(P-1)±0.1 (0.100x(P-1))

ETAxxxLT

