

SMT Half Pitch DIP Switch–Auto Placeable

Features

Optimized Mechanical Features

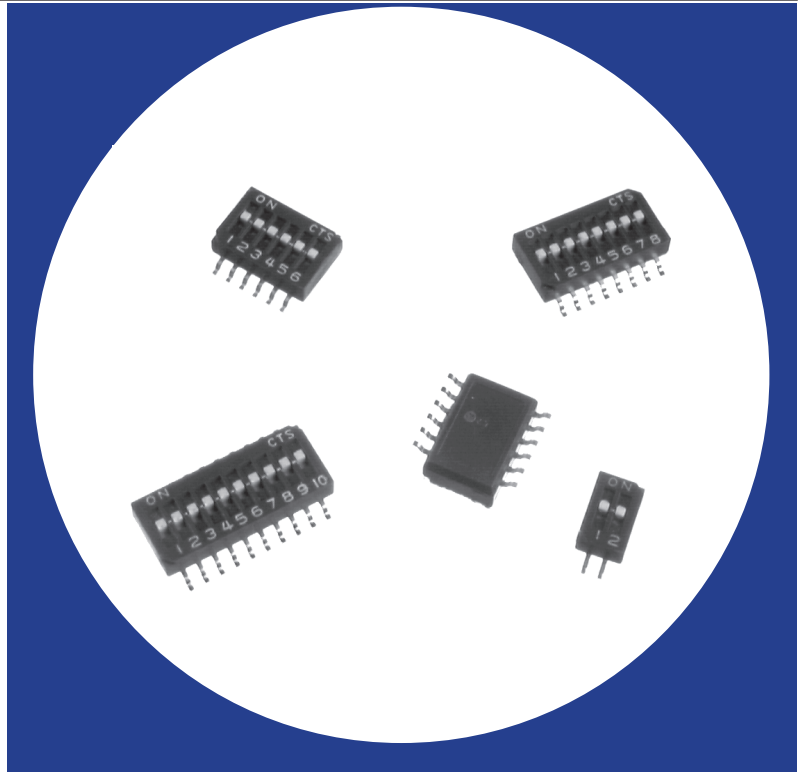
- Removable tape seal to withstand IR vapor phase or wave soldering temperatures and board washing
- Gull-wing and "J" bend terminal configurations
- Low profile actuators prevent accidental actuation
- SPST configuration available

Optimized Contact System

- Redundant, wiping contact
- Contactor does not deflect during actuation
- 0.6 mm/.024" actuator travel

Materials

- Gold plated beryllium copper contacts
- Gold flash coated terminals
- High temperature body and actuator materials
- RoHS Compliant



Electrical and Mechanical Specifications

Switch Function

SPST - 2,4,6,8,10, and 12 positions

Switch Contact Resistance

100 milliohms maximum initial

100 milliohms maximum at end of life

Insulation Resistance

100 megohms minimum across open switch

100 megohms minimum between adjacent closed switches

Dielectric Strength

350 VAC maximum for 1 minute between adjacent switches

Nonswitching Rating

100 mA or 50 VDC maximum

Switch Capacitance

10 pF maximum between adjacent closed switches

Operating Temperature

- 55°C to +85°C

Actuation Life

1,000 cycles switching 25 mA @ 24 VDC

Coplanarity

Coplanarity of 0.1mm/.004" maximum

Allowable Solder Time

IR and Vapor Phase - up to 60 seconds at 260°C

Wave - up to 5 seconds at 260°C

Vibration

Per MIL-STD-202F, method 204D, condition B (.06" or 15G's between 10 Hz to 2 KHz) with no contact inconsistencies greater than 1 microsecond.

Shock

Per MIL-STD-202F, method 213B, condition A (50G's) with no contact inconsistencies greater than 1 microsecond.

Sealing

Standard bottom seal

Optional top tape seal

Marking

Special marking available-consult CTS

Packaging

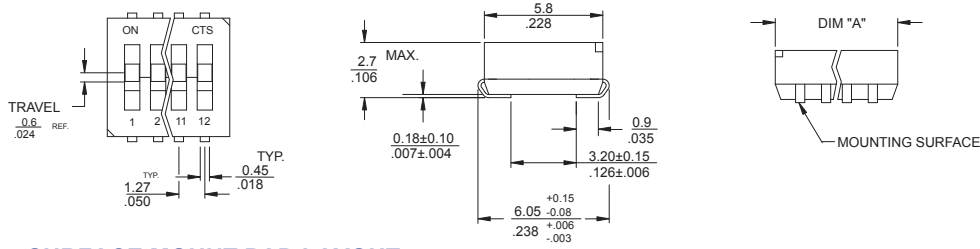
Standard : Anti-Static tube Packaging

Optional : Tape and Reel Packaging

RoHS Compliance

Compliant with European Union RoHS Directive

CTS SERIES 218LPJ - "J" Bend Terminal



SURFACE MOUNT PAD LAYOUT

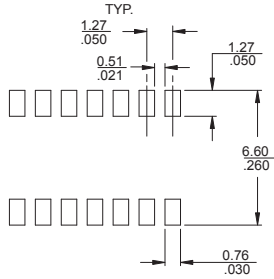
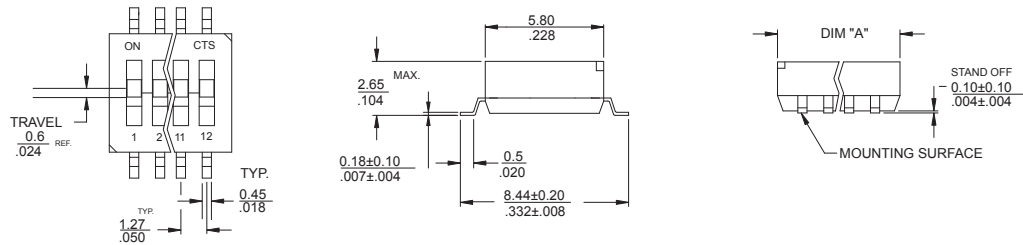


TABLE 1

NO. OF SWITCH POSITIONS	"A" OVERALL DIMENSIONS
2	3.71/.146
4	6.25/.246
6	8.79/.346
8	11.33/.446
10	13.87/.546
12	16.41/.646

CTS SERIES 218LP - Gull Wing Terminal



SURFACE MOUNT PAD LAYOUT

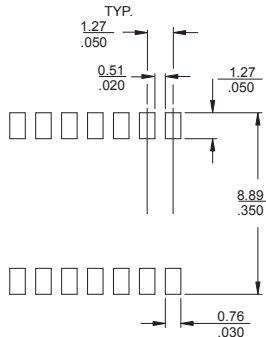


TABLE 2

NO. OF SWITCH POSITIONS	"A" OVERALL DIMENSIONS
2	3.71/.146
4	6.25/.246
6	8.79/.346
8	11.33/.446
10	13.87/.546
12	16.41/.646

DIMENSION: $\frac{\text{mm}}{\text{inch}}$

Ordering Information

