



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## SMT Half Pitch DIP Switch–Auto Placeable

### Features

#### Optimized Mechanical Features

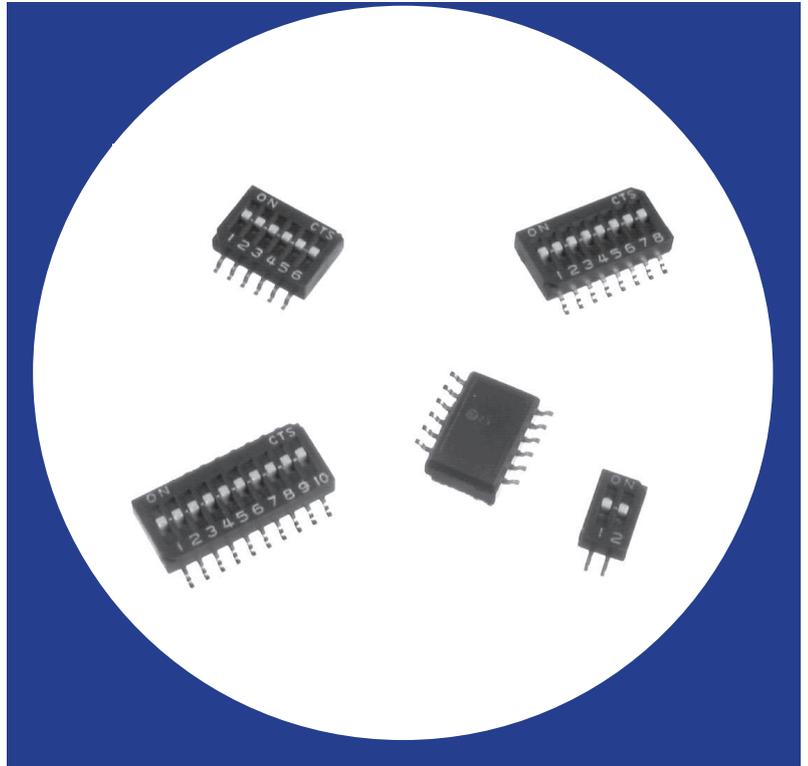
- Gull-wing and "J" bend terminal configurations
- Low profile actuators prevent accidental actuation
- SPST configuration available

#### 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 materials (UL94V-0)
- RoHS Compliant
- Optional top tape seal for board spray washing



## 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 between  
insulated terminals

#### Dielectric Strength

350 VAC 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

Up to 60 seconds at 260°C

#### Vibration

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

#### Sealing

Standard bottom seal

Optional top tape seal for board spray washing

#### Marking

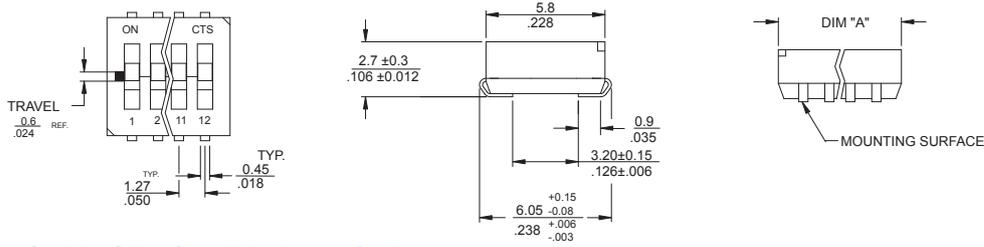
Special marking available-consult CTS

#### Packaging

Standard : Anti-static tube packaging

Optional : Tape and reel packaging

## CTS SERIES 218LPJ - "J" Bend Terminal



### SURFACE MOUNT PAD LAYOUT

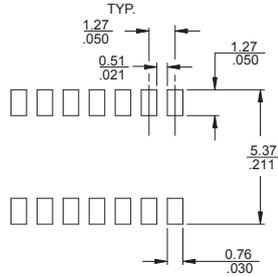
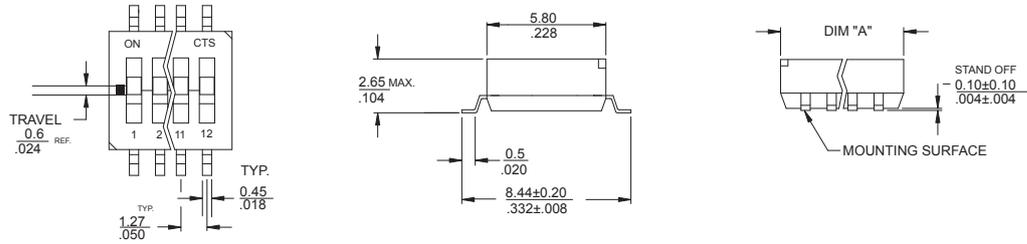


TABLE 1

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

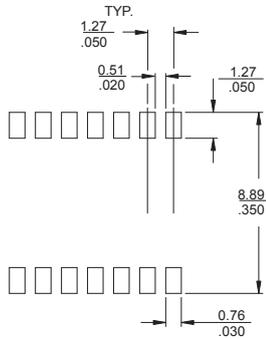


TABLE 2

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

