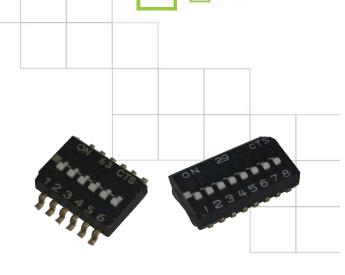


Series 218 Half Pitch, SMD DIP Switch

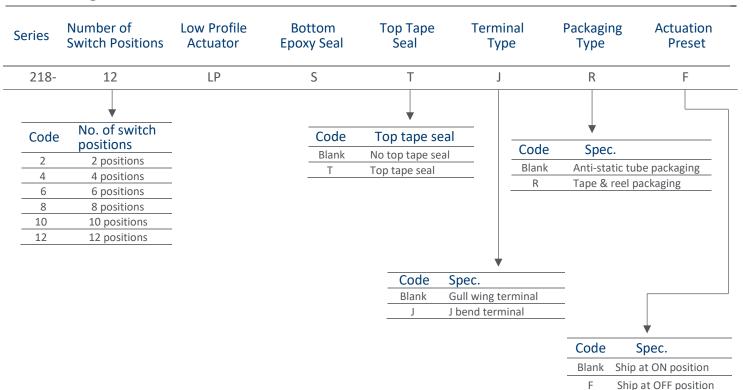
- Removable tape seal to withstand IR vapor phase or wave soldering temperatures, and board washing
- Gull-wing and "J"bend terminal configurations
- Low profile actuators prevent accidental actuation
- SPST configuration available
- 0.6mm/.024" actuator travel
- Optional top tape seal for board spray washing



Description

Positive detent separated from contactor causes contactor does not deflect during actuation. Unique compact type design allows to be used at mini size application. Optional sealed structure is optimized for board washing during soldering process. It makes it the ideal choice for any server, security and HVAC systems

Ordering Information



Notes: Contact CTS for other common features not listed.



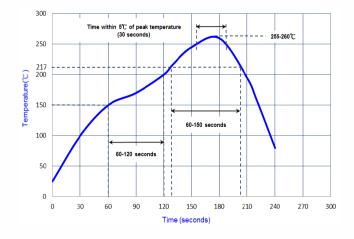
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Circuit	SPST 2		12	position
Contact Resistance	Initial At end of life		100	milliohms
			100	
Insulation Resistance	Between insulated terminals		megohms	
Dielectric Strength	350 VAC between adjacent	1		minute
	switches	1		
Actuation Life	25mA @ 24 VDC	1,000	cycles	
Switch Capacitance	Between adjacent closed switches		10	pF
			10	
			100	mA
Nonswitching Rating			or	or
			50	VDC

Mechanical and Environmental

Maximum reflow temperature, 250°C for 30 seconds		
Level 1		
Lead-Free. Fully compliant to RoHS Directive 2011/65/EU		
Per MIL-STD-202G, method 213B, condition A(50G's)		
with no contact inconsistencies greater than 1 microsecond		
Per MIL-STD-202G, method 204D, condition B (.06" or 15G's between 10 HZ to 2K HZ) with		
no contact inconsistencies greater than 1 microsecond		
0.1mm/.004" maximum		
Bottom epoxy seal standard		
Top tape seal optional		
Special marking available-consult CTS		
Standard anti-static tube packaging		
Optional tape and reel packaging		
-55°C to +85°C		
		-55°C to +85°C
-55 (10 +65 (

Soldering Profile





Mechanical Specifications

Figure 1 – Surface Mount J Bend Terminal

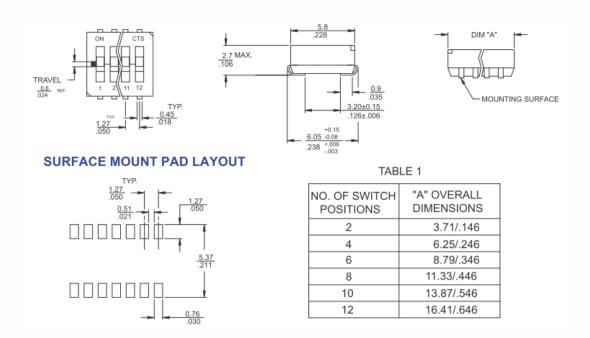
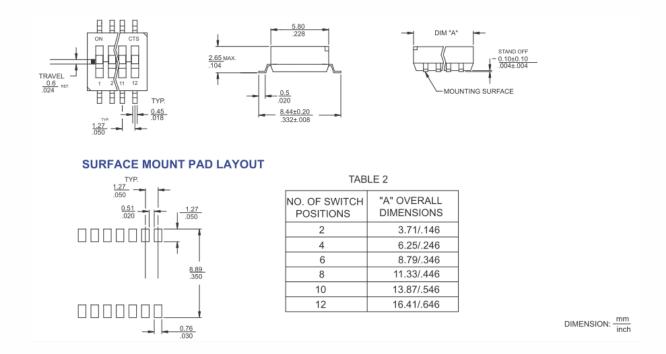


Figure 2 – Surface Mount Gull Wing Terminal

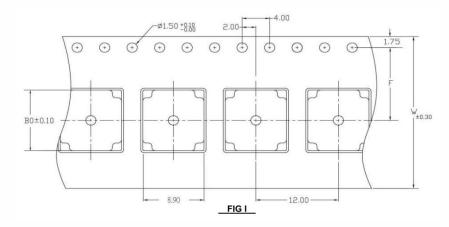




Packing: Tape and Reel

Unit: mm

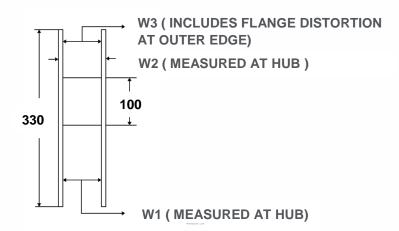
SW Section	Fig	Во	W	F
2	1	4.51	16.0	7.50
4	1	7.05	16.0	7.50
6	1	9.75	16.0	7.50
8	I	12.13	24.0	11.50
10		14.67	24.0	11.50
12	I	17.22	24.0	11.50



SPECIFIED REEL PARTS DIMENSIONS:

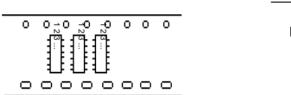
Unit: mm

SW Section	W1	W2	W3
2	16.4	22.4 MAX.	15.9 MIN./19.5 MAX.
4	16.4	22.4 MAX.	15.9 MIN./19.5 MAX.
6	16.4	22.4 MAX.	15.9 MIN./19.5 MAX.
8	24.4	30.4 MAX.	23.9 MIN./27.4 MAX.
10	24.4	30.4 MAX.	23.9 MIN./27.4 MAX.
12	24.4	30.4 MAX.	23.9 MIN./27.4 MAX.



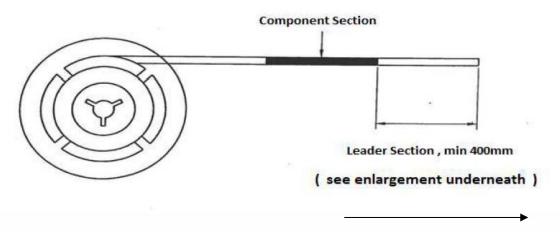


- 1. TAPE SPROCKET HOLE PITCH : $4.0 \pm 0.1 \text{MM}$ ALL SMT ASSEMBLING MACHINES WILL PICK-UP THE COMPONENT FROM THE POINT, WHICH
 - IS LOCATED IN THE CENTRE OF TWO ADJACENT SPROCKET HOLES IN FEEDING DIRECTION. THIS MUST BE TAKEK INTO ACCOUNT WHEN DESIGNING THE LOCATION OF THE COMPONENT IN T&R POCKET.
- RECOMMENDED PART ORIENTATION IN TAPE & REEL POCKET.
 ORIENT SWITCH TERMINAL #1 TO THE SIDE OF ROUND SPROCKET HOLES, SEE PICTURE BELOW.



FEEDING DIRECTION

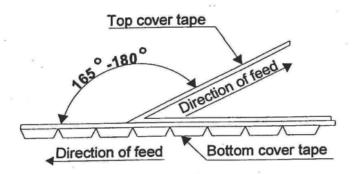
3 LENGTH OF TAPE
THERE SHALL BE A LEADER OF 400mm MINIMUM WHICH IS SEALED ONTO EMPTY
CARRIER TAPE, SEE PICTURE BELOW.



FEEDING DIRECTION



- 4. TAPE BREAK FORCE, PEEL STRENGTH AND ANGLE. REQUIRED SETTINGS:
 - TOP COVER TAPE PEEL FORCE: 10 ~ 130 gm
 - ANGLE BETWEEN THE TOP COVER TAPE AND THE DIRECTION OF FEED DURING PEEL OFF: 165°~ 180°



Embossed Carrier Tape

THE COVER TAPES MAY NOT EXTEND OVER THE DEGE OF THE CARRIER TAPE OR COVER ANY PART OF THE SPROCKETS HOLES.