

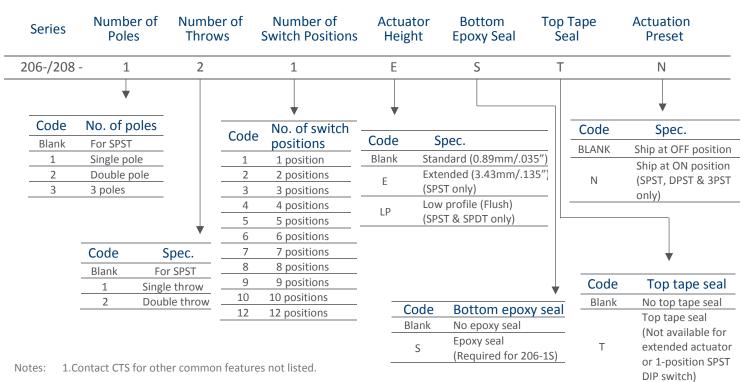
Series 206/208 Through-Hole DIP Switch

- Available with SPST, SPDT, DPST, 3PST circuit choices
- Available with low profile, standard, or extended actuator heights. Consult the ordering information for options.
- RoHS compliant
- Optional top tape seal for board spray washing



The terminals are molded into the thermoset base and provide an electrostatic discharge shield rating to 22KV when the OFF side terminals are connected to ground. The optimized contact design incorporating a dimple-toflat surface wiping interface provides long-term contact corrosion resistance making this the ideal choice for any HVAC, server, or security system.

Ordering Information



2. Not available in a Double Pole Double Throw (DPDT) construction

www.ctscorp.com 2018-05-07 Rev. D Page 1 of 5





Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit	
Contact Bosistanes (206)	Initial		50 milliahm		
Contact Resistance (206)	At end of life		100	milliohms	
Contact Resistance (208)	Initial		100	100 milliohms	
	At end of life		500		
Insulation Resistance	Between insulated terminals	1000		Megohms	
Dielectric Strength	500 VAC between		1 minute		
	adjacent switches				
Switch Capacitance	Between adjacent		5.0 pF		
	closed switches		5.0	pF	
			100	mA	
Nonswitching Rating			or	or	
			50	VDC	
Circuit	SPST	1	12	Position	
	SPDT	1	6	Position	
	DPST	1	6	Position	
	3PST	1	4	Position	

Mechanical and Environmental

Actuation Life (206)	10,000 cycles switching 50mA @ 24VDC				
Actuation Life (208)	2,000 cycles switching 50mA @ 24VDC				
Soldering	Maximum wave temperature, 260°C for 5 seconds				
Shock	Per MIL-STD-202F, method 213B, condition A(50G's)				
	with no contact inconsistencies greater than 1 microsecond				
Vibration	Per MIL-STD-202F, method 204D, condition B (.06" or 15G's between 10 HZ to 2K HZ) with				
	no contact inconsistencies greater than 1 microsecond				
Seal	Bottom epoxy seal optional				
	Optional top tape seal for board spray washing				
Marking	Special side or top marking available-consult CTS				
Packaging:	Standard anti-static tube packaging				
Operating Temperature	-55°C to +85°C				
Range	-55 (10 +65 (
Storage Temperature	-55°C to +85°C				
Range	-33 C (U +03 C				



Mechanical Specifications

Figure 1 - SPST

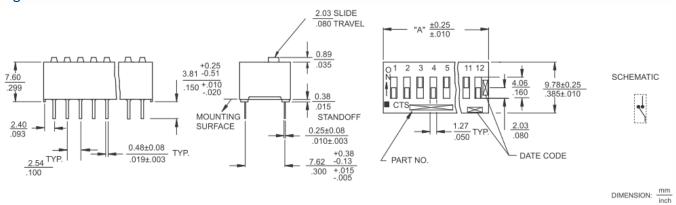


Figure 2 - SPDT

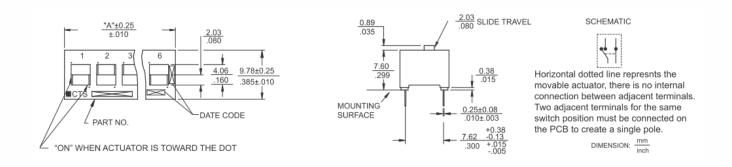


Figure 3 - DPST

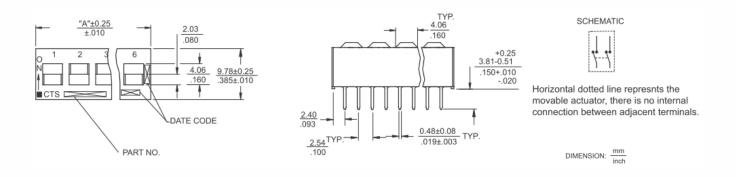




Figure 4 - 3PST

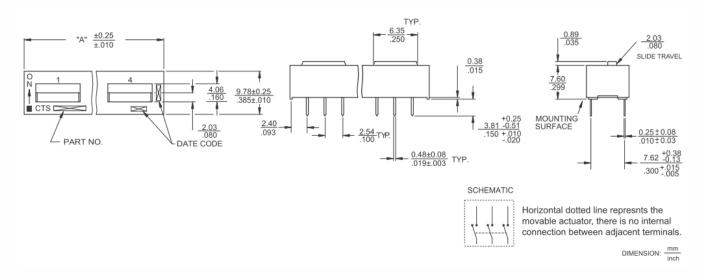


Figure 5 – Low Profile Actuators (SPST & SPDT only)

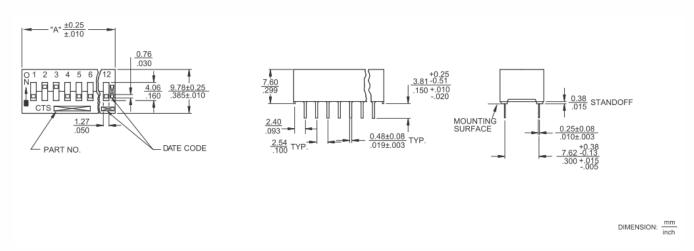
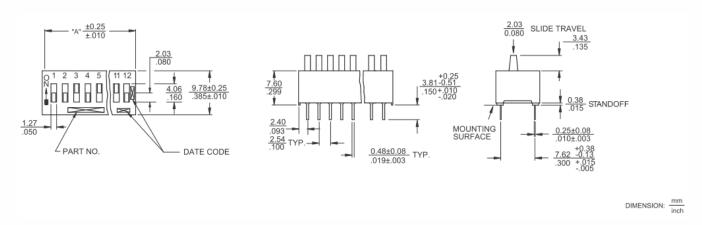


Figure 6 – Extended Actuators (SPST only)



2018-05-07 Rev. D www.ctscorp.com Page 4 of 5





Through-Hole DIP Switch

"A" Overall Dimensions	Number of Switch Positions	Actuation	Part Number	Both Bottom and Top Sealed	Low Profile Both Bottom and Top Sealed
3.96 / .156 7.26 / .286 9.80 / .386 12.34 / .486 14.88 / .586 17.42 / .686 19.96 / .786 22.50 / .886 25.04 / .986 27.58 / 1.086 32.66 / 1.286	2 3 4 5 6 7 8 9 10	SPST SPST SPST SPST SPST SPST SPST SPST	206/208-1S 206/208-2 206/208-3 206/208-4 206/208-5 206/208-6 206/208-7 206/208-8 206/208-9 206/208-10 206/208-12	206/208-2ST 206/208-3ST 206/208-4ST 206/208-5ST 206/208-6ST 206/208-7ST 206/208-8ST 206/208-9ST 206/208-10ST 206/208-12ST	206/208-2LPST 206/208-3LPST 206/208-4LPST 206/208-5LPST 206/208-6LPST 206/208-7LPST 206/208-8LPST 206/208-9LPST 206/208-10LPST 206/208-12LPST
7.26 / .286 12.34 / .486 17.42 / .686 22.50 / .886 27.58 / 1.086 32.66 / 1.286	1 2 3 4 5	SPDT SPDT SPDT SPDT SPDT SPDT	206-121 206-122 206-123 206-124 206-125 206-126	206-121ST 206-122ST 206-123ST 206-124ST 206-125ST 206-126ST	206/208-121LPST 206/208-122LPST 206/208-123LPST 206/208-124LPST 206/208-125LPST 206/208-126LPST
7.26 / .286 12.34 / .486 17.42 / .686 22.50 / .886 27.58 / 1.086 32.66 / 1.286	1 2 3 4 5	DPST DPST DPST DPST DPST DPST	206-211 206-212 206-213 206-214 206-215 206-216	206-211ST 206-212ST 206-213ST 206-214ST 206-215ST 206-216ST	
9.80 / .386 17.42 / .686 25.04 / .986 32.66 / 1.286	1 2 3 4	3PST 3PST 3PST 3PST	206-311 206-312 206-313 206-314	206-311ST 206-312ST 206-313ST 206-314ST	