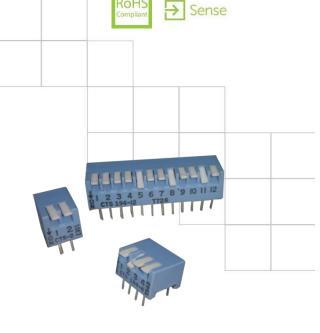
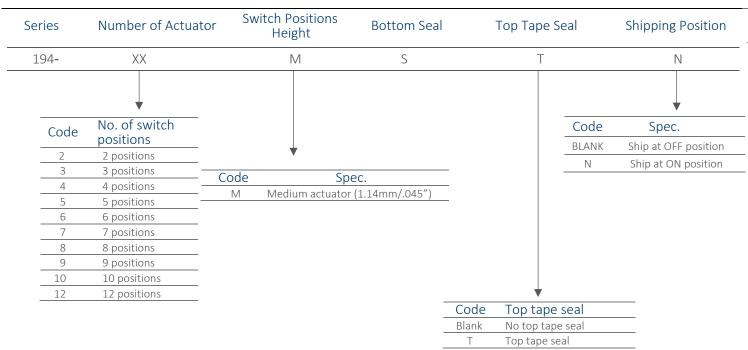


# Series 194 Side Actuated, Through-Hole DIP Switch

- Contact wiping action on make and break
- Enclosed actuators shield contacts from foreign particles throughout life of switch
- Series 194 gold plated contacts for long-term contact corrosion resistance and with blue housing
- RoHS compliant
- Optional top tape seal for board spray washing



## **Ordering Information**



Notes: Contact CTS for other common features not listed.

2020-6-18 Rev. B WWW.ctscorp.com Page 1 of 3





#### Side Actuated, Through-Hole DIP Switch

# **Electrical Specifications**

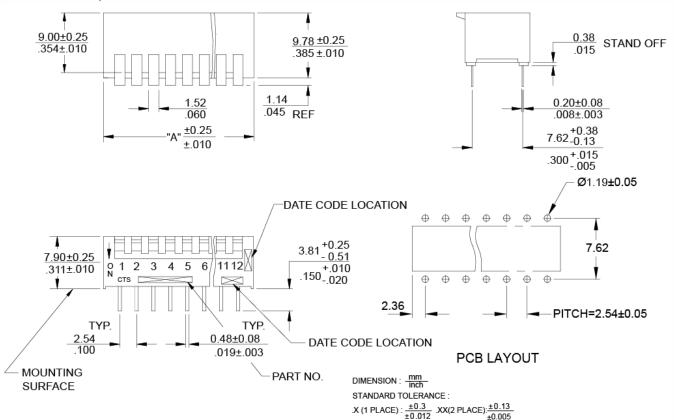
Parameter	Conditions & Remarks	Min	Max	Unit
Circuit	SPST	2	12	position
Contact Resistance Initial At end of life		50 100	milliohms	
Insulation Resistance	Between insulated terminals	1000	100	megohms
Dielectric Strength	500 VAC between adjacent switches		1	minute
Switch Capacitance	Between adjacent closed switches	5.0	pF	
			100	mA
Nonswitching Rating			or 50	or VDC

### Mechanical and Environmental

Actuation Life	7000 cycles switching at 50mA and 24 VDC	
Soldering	Maximum wave temperature, 260°C for 5 seconds	
MSL	Level 1	
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU	
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 seal standard	
	Top tape seal optional	
Marking	Special side marking available-consult CTS	
Packaging:	Standard anti-static tube packaging	
Operating Temperature	-40°C to +85°C	
Range	-40 C (0 +65 C	
Storage Temperature Range	-40°C to +85°C	



## **Mechanical Specifications**



"A" Overall Dimensions	No. of Switch Positions	Part Number
7.26 / .286	2	194-2MS
9.80 / .386	3	194-3MS
12.34 / .486	4	194-4MS
14.88 / .586	5	194-5MS
17.42 / .686	6	194-6MS
19.96 / .786	7	194-7MS
22.50 / .886	8	194-8MS
25.04 / .986	9	194-9MS
27.58 / 1.086	10	194-10MS
32.66 / 1.286	12	194-12MS