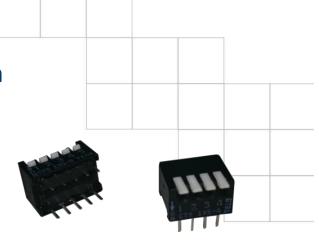
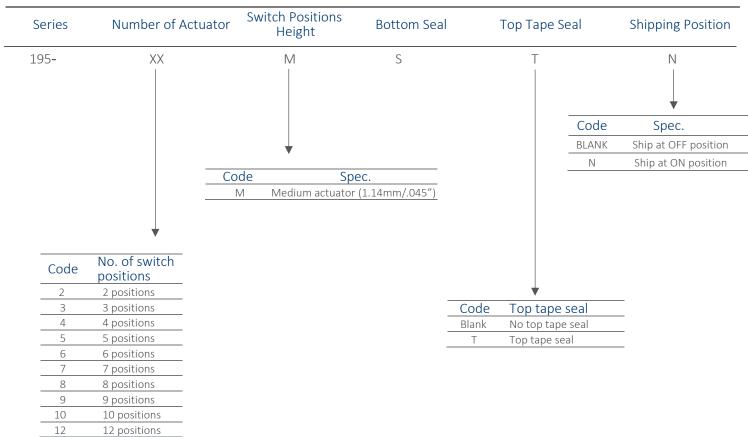


Series 195 Side Actuated, Through-Hole DIP Switch

- Contact wiping action on make and break
- Enclosed actuators shield contacts from foreign particles throughout life of switch
- Series 195 tin plated contacts and with black housing
- RoHS compliant
- Optional top tape seal for board spray washing



Ordering Information



Notes: Contact CTS for other common features not listed.



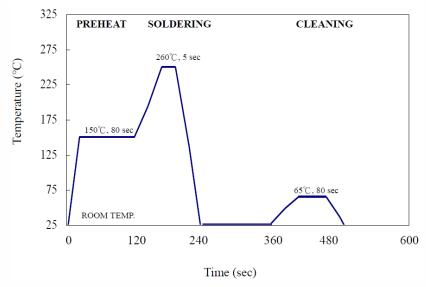
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Circuit	SPST	2	12	position
Contact Resistance	Initial At end of life		100 500	milliohms
Insulation Resistance	Between insulated terminals	1000		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

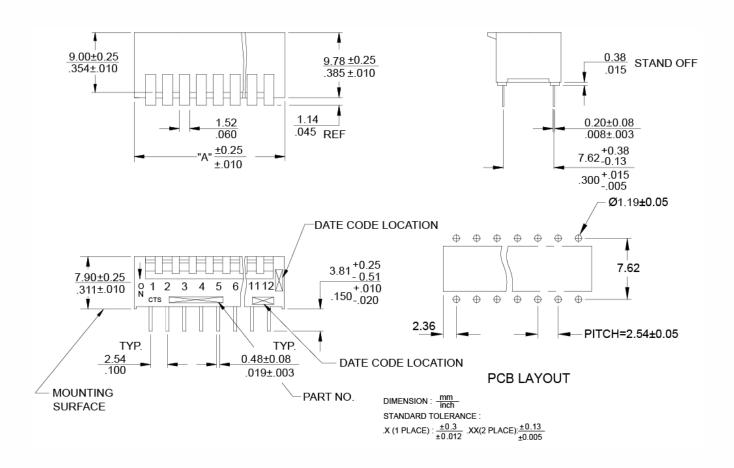
Actuation Life	2000 cycles switching at 50mA and 24 VDC	
Soldering	Maximum wave temperature, 260°C for 5 seconds	
MSL	Level 1	
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU	
Shock	Per MIL-STD-202F, method 213B, condition A(50G's)	
	with no contact inconsistencies greater than 1 microsecond	
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	
Seal	Top tape seal optional	
Marking	Special side marking available-consult CTS	
Packaging:	Standard anti-static tube packaging	
Operating Temperature	10°C +0 +0F°C	
Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +85°C	

Soldering Profile





Mechanical Specifications



"A" Overall Dimensions	No. of Switch Positions	Part Number
7.26 / .286	2	195-2MS
9.80 / .386	3	195-3MS
12.34 / .486	4	195-4MS
14.88 / .586	5	195-5MS
17.42 / .686	6	195-6MS
19.96 / .786	7	195-7MS
22.50 / .886	8	195-8MS
25.04 / .986	9	195-9MS
27.58 / 1.086	10	195–10MS
32.66 / 1.286	12	195-12MS