



	Side Actuated Gull Wing	Side Actuated Gull Wing
SERIES	193	204
Positions	2 - 10 & 12	2 - 10 & 12
Initial Contact Resistance	50 Milliohms Max.	50 Milliohms Max.
Maximum Contact Resistance	100 Milliohms after 7,000 Cycles	100 Milliohms after 10,000 Cycles
Maximum Non-switching Rating	100 mA or 50 VDC	100 mA or 50 VDC
Insulation Resistance	1,000 Megaohms	1,000 Megaohms
Dielectric Breakdown	Min.: 500 VAC	Min.: 500 VAC
Switch Capacitance	Max.: 5.0 pF	Max.: 5.0 pF
Shock Mil-Std. 202F	No Damage with 25G Applied	< 1 microsecond
Vibration Mil-Std. 202F	No Damage at 60 Hz Constant Vibration	< 1 microsecond
Type of Actuation	Side Actuated	Slide (Top Actuated)
Circuitry Available	SPST	SPST; SPDT; 4PST; DPST; DPDT
Terminal Configuration	Gull Wing	Gull Wing
Dimensions: inches (mm)		
Length	"A" Dim. (See Table Below)	"A" Dim. (See Table Below)
Width	.410 (10.414)	.410* (10.414)
Height	.359 (9.12)	.359 (9.12)
Lead Centers	.100 (2.54)	.100 (2.54)
Contact Plating/Terminal Plating	Gold/Tin	Gold/Tin
Operating Temperature	-40° to +85°C	-55° to +85°C
Options:		
Bottom & Top Sealed	Bottom Seal Only Standard	Available
Low Profile Actuator	-	Available on SPST and SPDT
RoHS Compliant	Since June 2006	Since June 2006

* Gull Wing Terminal To Terminal

STANDARD PART NUMBERS FOR 193

"A" Overall Dimension	Number of Switch Sections	Series 193 Part Number
.286 (7.26)	2	193-2MS
.386 (9.80)	3	193-3MS
.486 (12.34)	4	193-4MS
.586 (14.88)	5	193-5MS
.686 (17.42)	6	193-6MS
.786 (19.96)	7	193-7MS
.886 (22.50)	8	193-8MS
.986 (25.04)	9	193-9MS
1.086 (27.58)	10	193-10MS
1.286 (32.66)	12	193-12MS

For Tape & Reel Add "R" to End of P/N
 EXAMPLE: 193-2MSR
 Even sizes only.

STANDARD PART NUMBERS FOR 204

"A" Overall Dimension	Number of Switch Sections	Actuation	Part Number	Both Bottom & Top Sealed	Low Profile Both Bottom & Top Sealed
.286 (7.26)	2	SPST	204-2	204-2ST	204-2LPST
.386 (9.80)	3	SPST	204-3	204-3ST	204-3LPST
.486 (12.34)	4	SPST	204-4	204-4ST	204-4LPST
.586 (14.88)	5	SPST	204-5	204-5ST	204-5LPST
.686 (17.42)	6	SPST	204-6	204-6ST	204-6LPST
.786 (19.96)	7	SPST	204-7	204-7ST	204-7LPST
.886 (22.50)	8	SPST	204-8	204-8ST	204-8LPST
.986 (25.04)	9	SPST	204-9	204-9ST	204-9LPST
1.086 (27.58)	10	SPST	204-10	204-10ST	204-10LPST
1.286 (32.66)	12	SPST	204-12	204-12ST	204-12LPST
.286 (7.26)	1	SPDT	204-121	204-121ST	
.486 (12.34)	2	SPDT	204-122	204-122ST	
.686 (17.42)	3	SPDT	204-123	204-123ST	
.886 (22.50)	4	SPDT	204-124	204-124ST	
1.086 (27.58)	5	SPDT	204-125	204-125ST	
1.286 (32.66)	6	SPDT	204-126	204-126ST	
.286 (7.26)	1	DPST	204-211	204-211ST	
.486 (12.34)	2	DPST	204-212	204-212ST	
.686 (17.42)	3	DPST	204-213	204-213ST	
.886 (22.50)	4	DPST	204-214	204-214ST	
1.086 (27.58)	5	DPST	204-215	204-215ST	
1.286 (32.66)	6	DPST	204-216	204-216ST	
.486 (12.34)	1	DPDT	204-221	204-221ST	
.886 (22.50)	2	DPDT	204-222	204-222ST	
1.286 (32.66)	3	DPDT	204-223	204-223ST	
.486 (12.34)	1	4PST	204-411	204-411ST	
.886 (22.50)	2	4PST	204-412	204-412ST	
1.286 (32.66)	3	4PST	204-413	204-413ST	

For Tape & Reel Add "R" to End of P/N
 EXAMPLE: 204-2STR
 Contact CTS for availability.