

CTS DIP Switches



Electrical Specifications: Initial Contact Resistance: 25mΩ (209, 219 Series); 50mΩ (193, 194, 204, and 206 Series); 100mΩ (195, 208, and 218 Series).
Maximum Contact Resistance: 100mΩ after 10,000 cycles switching 50mA @ 24VDC (206 Series); 100mΩ after 7,000 cycles switching 50mA @ 24VDC (193 and 194 Series); 500mΩ after 2,000 cycles switching 50mA @ 24VDC (195 Series); 500mΩ after 2,000 cycles switching 50mA @ 15VDC or 100mΩ after 1,000 cycles switching 25mA @ 24VDC (208 Series); 50mΩ maximum at end of life (209 and 219 Series).
Electrostatic discharge protection: rated to 22KV (206, 208 Series)
Maximum Non-Switching Rating: 100mA or 50VDC. **Insulation Resistance:** Across open switch and between adjacent closed switches - 1 x 10¹⁰Ω (218 Series):

100mΩ minimum). **Dielectric Breakdown:** 500VDC maximum for 1 minute (218 Series - 300VDC maximum). **Switch Capacitance:** Between adjacent switches maximum - 5.0pF (218 Series: 10pF).

CTS PART NUMBER LEGEND
M = medium actuator height (extends above unit)
LP = low profile actuator height (flush with top of unit)
S = bottom seal
T = top tape seal

Fig.	No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Pricing			CTS Part No.	
				1	10	100		
206 Series — SPST, Thru Hole, Top Actuated, Gold contacts, Tin terminals								
1	2	7.26	CT2062-ND	.82	7.50	68.17	206-2	
	3	9.80	CT2063-ND	.85	7.78	70.70	206-3	
	4	12.34	CT2064-ND	.85	7.83	71.20	206-4	
	5	14.88	CT2065-ND	.95	8.75	79.54	206-5	
	6	17.42	CT2066-ND	.98	8.94	81.30	206-6	
	7	19.96	CT2067-ND	1.03	9.45	85.85	206-7	
	8	22.50	CT2068-ND	.99	9.02	82.06	206-8	
	9	25.04	CT2069-ND	1.14	10.50	95.44	206-9	
	10	27.58	CT20610-ND	1.17	10.72	97.46	206-10	
	12	32.66	CT20612-ND	1.38	12.69	115.39	206-12	
	206 Series — SPST, Thru Hole, Top Actuated, Gold Contacts, Tin terminals, Bottom and Top seal							
	1	2	7.26	CT2062ST-ND	.99	9.02	82.06	206-2ST
3		9.80	CT2063ST-ND	1.01	9.30	84.59	206-3ST	
4		12.34	CT2064ST-ND	1.02	9.36	85.09	206-4ST	
5		14.88	CT2065ST-ND	1.12	10.28	93.42	206-5ST	
6		17.42	CT2066ST-ND	1.14	10.47	95.19	206-6ST	
7		19.96	CT2067ST-ND	1.20	10.97	99.74	206-7ST	
8		22.50	CT2068ST-ND	1.16	10.56	95.94	206-8ST	
9		25.04	CT2069ST-ND	1.31	12.03	109.33	206-9ST	
10		27.58	CT20610ST-ND	1.34	12.24	111.35	206-10ST	
12		32.66	CT20612ST-ND	1.55	14.22	129.27	206-12ST	
206 Series — SPDT, Thru Hole, Top Actuated, Gold Contacts, Tin Terminals								
1		4	22.50	CT206124-ND	1.54	14.14	128.52	206-124
206 Series — DPST, Thru Hole, Top Actuated, Gold Contacts, Tin terminals								
1	4	22.50	CT206214-ND	1.43	13.05	118.67	206-214	
208 Series — SPST, Thru Hole, Top Actuated, Tin contacts, Tin terminals								
1	2	7.26	CT2082-ND	.65	5.95	54.03	208-2	
	3	9.80	CT2083-ND	.70	6.36	57.82	208-3	
	4	12.34	CT2084-ND	.74	6.83	62.11	208-4	
	5	14.88	CT2085-ND	.80	7.31	66.41	208-5	
	6	17.42	CT2086-ND	.83	7.64	69.44	208-6	
	7	19.96	CT2087-ND	.89	8.14	73.98	208-7	
	8	22.50	CT2088-ND	.89	8.17	74.23	208-8	
	9	25.04	CT2089-ND	.95	8.78	79.79	208-9	
	10	27.58	CT20810-ND	1.03	9.41	85.60	208-10	
	12	32.66	CT20812-ND	1.16	10.64	96.71	208-12	
	206RA Series — SPST, Thru Hole, Right Angle Actuated, Gold contacts, Tin terminals, Bottom and Top seal							
	2	2	7.26	CT2062RAST-ND	1.23	11.33	103.01	206-2RAST
3		9.80	CT2063RAST-ND	1.34	12.20	110.85	206-3RAST	
4		12.34	CT2064RAST-ND	1.38	12.61	114.63	206-4RAST	
6		17.42	CT2066RAST-ND	1.48	13.61	123.72	206-6RAST	
7		19.96	CT2067RAST-ND	1.56	14.25	129.53	206-7RAST	
8		22.50	CT2068RAST-ND	1.59	14.63	133.07	206-8RAST	
9		25.04	CT2069RAST-ND	1.65	15.08	137.11	206-9RAST	
10		27.58	CT20610RAST-ND	1.77	16.27	147.96	206-10RAST	
12		32.66	CT20612RAST-ND	1.95	17.91	162.86	206-12RAST	
194 Series — SPST, Thru Hole, Side Actuated, Gold Contacts, Tin terminals, Bottom and Top seal								
2		2	7.26	CT1942MST-ND	1.00	9.17	83.32	194-2MST
		3	9.80	CT1943MST-ND	1.16	10.64	96.71	194-3MST
	4	12.34	CT1944MST-ND	1.20	10.97	99.74	194-4MST	
	5	14.88	CT1945MST-ND	1.40	12.88	117.15	194-5MST	
	6	17.42	CT1946MST-ND	1.41	12.92	117.41	194-6MST	
	7	19.96	CT1947MST-ND	1.54	14.08	128.02	194-7MST	
	8	22.50	CT1948MST-ND	1.53	13.94	126.75	194-8MST	
	9	25.04	CT1949MST-ND	1.83	16.80	152.76	194-9MST	
	10	27.58	CT19410MST-ND	1.64	14.97	136.10	194-10MST	
	195 Series — SPST, Thru Hole, Side Actuated, Tin Contacts, Tin terminals, Bottom and Top seal							
	3	2	7.26	CT1952MST-ND	.88	8.06	73.22	195-2MST
		4	12.34	CT1954MST-ND	.97	8.81	80.04	195-4MST
6		17.42	CT1956MST-ND	1.14	10.53	95.70	195-6MST	
8		22.50	CT1958MST-ND	1.26	11.52	104.79	195-8MST	
9		25.04	CT1959MST-ND	1.60	14.69	133.57	195-9MST	
10		27.58	CT19510MST-ND	1.40	12.86	116.91	195-10MST	
12		32.66	CT19512MST-ND	1.69	15.50	140.89	195-12MST	
209 Series — SPST, Low Profile Thru Hole, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal								
4		2	6.55	CT2092LPST-ND	.63	5.75	52.27	209-2LPST
		3	9.09	CT2093LPST-ND	.71	6.44	58.58	209-3LPST
		4	11.63	CT2094LPST-ND	.79	7.17	65.14	209-4LPST
		5	14.17	CT2095LPST-ND	.88	8.00	72.72	209-5LPST
	6	16.71	CT2096LPST-ND	.97	8.83	80.29	209-6LPST	
	7	19.25	CT2097LPST-ND	1.07	9.81	89.13	209-7LPST	
	8	21.79	CT2098LPST-ND	1.14	10.45	94.93	209-8LPST	

Fig.	No. of Pos.	Dim. A (mm)	Digi-Key Part No.	Pricing			CTS Part No.	
				1	10	100		
4	10	26.87	CT20910LPST-ND	1.31	12.05	109.58	209-10LPST	
	12	31.95	CT20912LPST-ND	1.50	13.80	125.49	209-12LPST	
209 Series — SPST, Medium Thru Hole, Top Actuated, Gold contacts, Tin terminals, Bottom seal								
4	2	6.55	CT2092MS-ND	.59	5.48	49.75	209-2MS	
	3	9.09	CT2093MS-ND	.67	6.16	56.05	209-3MS	
	4	11.63	CT2094MS-ND	.75	6.89	62.62	209-4MS	
	5	14.17	CT2095MS-ND	.84	7.72	70.19	209-5MS	
	6	16.71	CT2096MS-ND	.93	8.55	77.77	209-6MS	
	7	19.25	CT2097MS-ND	1.04	9.53	86.61	209-7MS	
	8	21.79	CT2098MS-ND	1.11	10.17	92.41	209-8MS	
	9	24.33	CT2099MS-ND	1.20	11.00	99.98	209-9MS	
	10	26.87	CT20910MS-ND	1.28	11.77	107.05	209-10MS	
	12	31.95	CT20912MS-ND	1.47	13.52	122.97	209-12MS	
	193 Series — SPST, Surface Mount, Side Actuated, Gold contacts, Tin terminals, Bottom seal							
	5	2	7.26	CT1932MS-ND	1.45	11.59	102.49	193-2MS
3		9.80	CT1933MS-ND	1.56	12.50	110.54	193-3MS	
4		12.34	CT1934MS-ND	1.80	14.34	131.46	193-4MS	
6		17.42	CT1936MS-ND	1.90	15.17	134.14	193-6MS	
7		19.96	CT1937MS-ND	2.10	16.78	148.32	193-7MS	
8		22.50	CT1938MS-ND	2.21	17.72	156.64	193-8MS	
204 Series — SPST, Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal								
6		2	7.26	CT2042ST-ND	1.49	12.76	116.96	204-2ST
	3	9.80	CT2043ST-ND	1.60	12.85	113.60	204-3ST	
	4	12.34	CT2044ST-ND	1.60	13.74	125.91	204-4ST	
	5	14.88	CT2045ST-ND	1.66	14.21	130.23	204-5ST	
	6	17.42	CT2046ST-ND	1.74	14.91	136.71	204-6ST	
	7	19.96	CT2047ST-ND	1.82	15.62	143.19	204-7ST	
	8	22.50	CT2048ST-ND	1.89	16.13	147.82	204-8ST	
	9	25.04	CT2049ST-ND	2.02	17.34	158.93	204-9ST	
	10	27.58	CT20410ST-ND	2.10	18.01	165.10	204-10ST	
	12	32.66	CT20412ST-ND	2.32	19.90	182.38	204-12ST	
	204 Series — SPDT, Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal							
	6	1	7.26	CT204121ST-ND	2.18	18.68	171.28	204-121ST
1		7.26	CT204121LPST-ND	2.18	18.68	171.28	204-121LPST	
204 Series — DPST, Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal								
6	1	7.26	CT204211ST-ND	1.59	12.73	112.49	204-211ST	
	2	12.34	CT204212ST-ND	1.80	14.39	127.21	204-212ST	
	3	17.42	CT204213ST-ND	1.94	16.63	152.45	204-213ST	
	4	22.50	CT204214ST-ND	2.10	16.81	148.59	204-214ST	
	6	32.66	CT204216ST-ND	2.61	24.25	223.87	204-216ST	
	204 Series — DPDT, Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal							
6	1	12.34	CT204221ST-ND	3.36	28.78	263.85	204-221ST	
	2	22.50	CT204222ST-ND	4.08	32.68	288.84	204-222ST	
	3	32.66	CT204223ST-ND	4.84	38.71	342.17	204-223ST	
	218 Series — SPST, Half Pitch Surface Mount, Top Actuated Gold contacts, Gold terminals, Bottom and Top seal							
	7	2	3.71	CT2182LPST-ND	1.48	11.82	104.43	218-2LPST
		4	6.25	CT2184LPST-ND	1.68	13.48	119.15	218-4LPST
6		8.79	CT2186LPST-ND	1.93	15.40	136.10	218-6LPST	
8		11.33	CT2188LPST-ND	2.19	17.53	154.98	218-8LPST	
10		13.87	CT21810LPST-ND	2.44	19.48	172.20	218-10LPST	
12		16.41	CT21812LPST-ND	2.35	21.52	195.68	218-12LPST	
219 Series — SPST, Low Profile Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal								
8		2	6.55	CT2192LPST-ND	.65	5.97	54.29	219-2LPST
		3	9.09	CT2193LPST-ND	.74	6.78	61.61	219-3LPST
		4	11.63	CT2194LPST-ND	.82	7.50	68.17	219-4LPST
		5	14.17	CT2195LPST-ND	.90	8.28	75.24	219-5LPST
		6	16.71	CT2196LPST-ND	.98	8.97	81.56	219-6LPST
	7	19.25	CT2197LPST-ND	1.09	9.94	90.39	219-7LPST	
	8	21.79	CT2198LPST-ND	1.14	10.50	95.44	219-8LPST	
	9	24.33	CT2199LPST-ND	1.26	11.52	104.79	219-9LPST	
	10	26.87	CT21910LPST-ND	1.35	12.33	112.10	219-10LPST	
	12	31.95	CT21912LPST-ND	1.53	13.99	127.25	219-12LPST	
	219 Series — SPST, Medium Surface Mount, Top Actuated, Gold contacts, Tin terminals, Bottom and Top seal							
	8	2	6.55	CT2192MS-ND	.65	5.97	54.29	219-2MS
3		9.09	CT2193MS-ND	.74	6.78	61.61	219-3MS	
4		11.63	CT2194MS-ND	.82	7.50	68.17	219-4MS	
5		14.17	CT2195MS-ND	.90	8.28	75.24	219-5MS	
6		16.71	CT2196MS-ND	.98	8.97	81.56	219-6MS	