

Surface Mount DIP Switches and Through-Hole DIP Switches



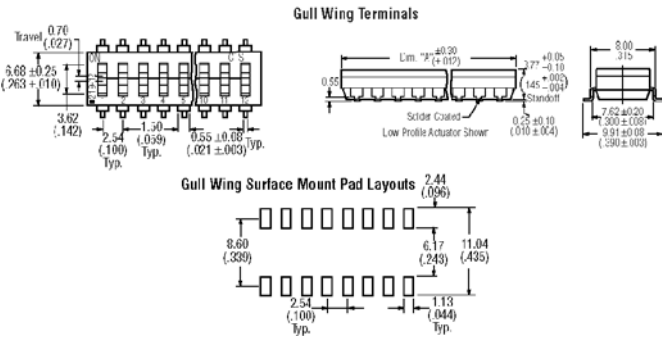
CTS SMT DIP switches perform in dozens of configurations — medium and low-profile actuators, side actuated, auto-placeable, top/bottom sealed and more.

Gold plated contacts, solder coated terminals. High temperature materials compatible with IR and vapor phase SMT assembly processes. Standard gull-wing leads.

CTS offers a wide variety of premium and economy grade through-hole DIP switches in the following configurations — multi-function, auto-insertable, right angle and more.

Dual in-line terminal spacing of 0.300" × 0.100" centers. Contact wiping on make and break.

Series 219 DIP Switches



Contact Resistance: 25 milliohms max. initial; 50 milliohms max. after 2,000 cycles switching 100 mA @ 20 VDC. **Nonswitching Rating:** 100 mA or 50 VDC. **Insulation Resistance:** 1,000 megohms min. between insulated terminals. **Dielectric Strength:** 500 VDC min. for 1 minute. **Switch Capacitance:** 5 pF max. between adjacent closed switches. **Temperature Range:** -40°C to +85°C operating. **Allowable IR and Vapor Phase Solder Time:** Up to 60 seconds at 260°C.

Sealed, Flush, Brown Body

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	EACH		
				1-9	10-99	100-499
766-1082	219-2LPST	2	0.258	.53	.46	.42
766-1083	219-3LPST	3	0.358	.56	.49	.46
766-1084	219-4LPST	4	0.458	.63	.56	.50
766-1085	219-5LPST	5	0.558	.69	.61	.55
766-1086	219-6LPST	6	0.658	.75	.65	.60
766-1087	219-7LPST	7	0.758	.83	.73	.66
766-1088	219-8LPST	8	0.858	.86	.76	.69
766-1089	219-9LPST	9	0.958	.94	.83	.75
766-1090	219-10LPST	10	1.058	.99	.86	.79
766-1091	219-12LPST	12	1.258	1.11	.97	.90

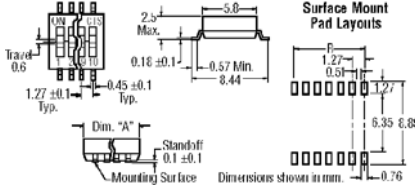
Sealed, Medium, Brown Body

766-1092	219-2MST	2	0.258	.53	.46	.42
766-1093	219-3MST	3	0.358	.56	.49	.46
766-1094	219-4MST	4	0.458	.63	.56	.50
766-1095	219-5MST	5	0.558	.69	.61	.55
766-1096	219-6MST	6	0.658	.75	.65	.60
766-1097	219-7MST	7	0.758	.83	.73	.66
766-1098	219-8MST	8	0.858	.86	.76	.69
766-1099	219-9MST	9	0.958	.94	.83	.75
766-1100	219-10MST	10	1.058	.99	.86	.79
766-1101	219-12MST	12	1.258	1.11	.97	.90

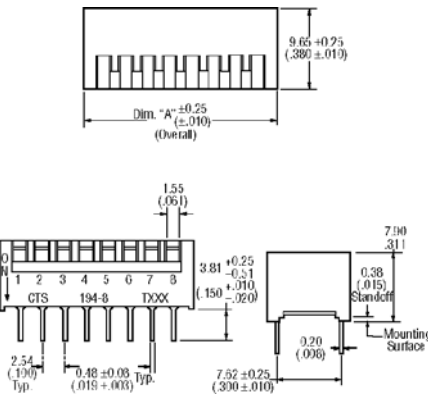
Series 218 Half-Pitch DIP Switches

Contact Resistance: 100 milliohms max. after 1,000 cycles switching 25 mA @ 25 VDC. **Nonswitching Rating:** 100 mA or 50 VDC. **Insulation Resistance:** 100 megohms min. between insulated terminals. **Dielectric Strength:** 300 VDC min. for 1 minute. **Switch Capacitance:** 10 pF max. between adjacent closed switches. **Temperature Range:** -40°C to +85°C operating. **Allowable IR and Vapor Phase Solder Time:** Up to 30 seconds at 260°C.

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	Dim. B (In.)	EACH		
					1-9	10-99	100-499
766-1133	218-2LPST	2	0.146	0.050	1.06	.93	.85
766-1134	218-4LPST	4	0.246	0.150	1.28	1.12	1.03
766-1135	218-6LPST	6	0.346	0.250	1.57	1.37	1.26
766-1136	218-8LPST	8	0.446	0.350	1.82	1.60	1.46
766-1137	218-10LPST	10	0.546	0.450	2.07	1.85	1.68



Series 194 Side Actuated DIP Switches

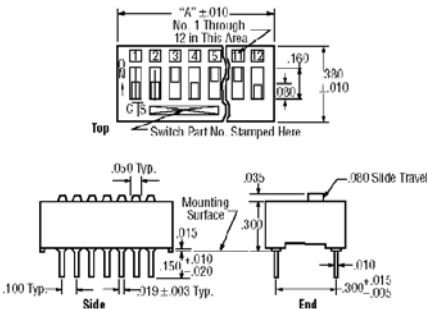


Initial Contact Resistance: 50 milliohms max. **Max. Contact Resistance:** 100 milliohms max. after 7,000 cycles switching 50 mA @ 24 VDC. **Max. Nonswitching Rating:** 100 mA or 50 VDC. **Insulation Resistance:** 1,000 megohms min. between adjacent closed switches. **Dielectric Strength:** 500 VAC min. for 1 minute. **Switch Capacitance:** 5 pF max. between adjacent closed switches. **Temperature Range:** -40°C to +85°C. Gold plated contacts, light blue body.

Sealed, SPST

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	EACH		
				1-9	10-99	100-499
766-1042	194-2MST	2	0.286	.97	.85	.78
766-1043	194-3MST	3	0.386	1.06	.93	.85
766-1044	194-4MST	4	0.486	.87	.76	.69
766-1045	194-5MST	5	0.586	1.06	.93	.85
766-1046	194-6MST	6	0.686	.99	.86	.78
766-1047	194-7MST	7	0.786	1.17	1.01	.93
766-1048	194-8MST	8	0.886	1.04	.91	.83
766-1049	194-9MST	9	0.986	1.24	1.08	.99
766-1050	194-10MST	10	1.086	1.11	.98	.90
766-1051	194-12MST	12	1.286	1.38	1.20	1.10

Series 208 Economy DIP Switches

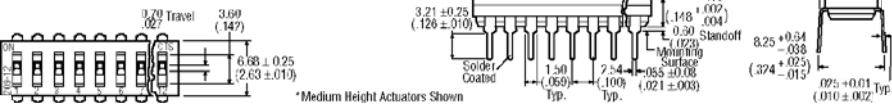


Initial Contact Resistance: 100 milliohms max. **Max. Contact Resistance:** 500 milliohms max. after 2,000 cycles switching 50 mA @ 15 VDC. **Max. Nonswitching Rating:** 100 mA or 50 VDC. **Insulation Resistance:** 1,000 megohms min. between adjacent closed switches. **Dielectric Strength:** 500 VAC min. for 1 minute. **Switch Capacitance:** 5 pF max. between adjacent closed switches. **Temperature Range:** -55°C to +85°C. Tin plated contacts, black body.

SPST

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	EACH		
				1-9	10-99	100-499
766-1032	208-2	2	0.286	.77	.67	.61
766-1033	208-3	3	0.386	.66	.58	.53
766-1034	208-4	4	0.486	.54	.48	.44
766-1035	208-5	5	0.586	.57	.49	.45
766-1036	208-6	6	0.686	.53	.46	.42
766-1037	208-7	7	0.786	.63	.55	.50
766-1038	208-8	8	0.886	.65	.57	.52
766-1039	208-9	9	0.986	.67	.59	.54
766-1040	208-10	10	1.086	.73	.64	.58
766-1041	208-12	12	1.286	.76	.66	.60

Series 209 Auto-Insertable DIP Switches



Initial Contact Resistance: 25 milliohms max. **Max. Contact Resistance:** 50 milliohms max. after 2,000 cycles switching 100 mA @ 20 VDC. **Max. Nonswitching Rating:** 100 mA or 50 VDC. **Insulation Resistance:** 1,000 megohms min. between insulated terminals. **Dielectric Strength:** 500 VDC min. for 1 minute. **Switch Capacitance:** 5 pF max. between adjacent closed switches. **Temperature Range:** -40°C to +85°C. Gold plated contacts, black body.

Sealed, Flush, SPST

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	EACH		
				1-9	10-99	100-499
766-1062	209-2LPST	2	0.258	.49	.42	.39
766-1063	209-3LPST	3	0.358	.53	.46	.42
766-1064	209-4LPST	4	0.458	.58	.52	.47
766-1065	209-5LPST	5	0.558	.67	.59	.53
766-1066	209-6LPST	6	0.658	.73	.64	.58
766-1067	209-7LPST	7	0.758	.78	.69	.63
766-1068	209-8LPST	8	0.858	.85	.74	.67
766-1069	209-9LPST	9	0.958	.93	.81	.74
766-1070	209-10LPST	10	1.058	.98	.86	.78
766-1071	209-12LPST	12	1.258	1.26	1.10	1.00

Sealed, Medium, SPST

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A (In.)	EACH		
				1-9	10-99	100-499
766-1072	209-2MST	2	0.258	.47	.41	.38
766-1073	209-3MST	3	0.358	.51	.44	.41
766-1074	209-4MST	4	0.458	.57	.49	.46
766-1075	209-5MST	5	0.558	.65	.57	.51
766-1076	209-6MST	6	0.658	.71	.63	.56
766-1077	209-7MST	7	0.758	.77	.67	.61
766-1078	209-8MST	8	0.858	.82	.73	.66
766-1079	209-9MST	9	0.958	.90	.80	.72
766-1080	209-10MST	10	1.058	.96	.84	.77
766-1081	209-12MST	12	1.258	1.08	.95	.87

Same Day Shipments For Product In Stock

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