

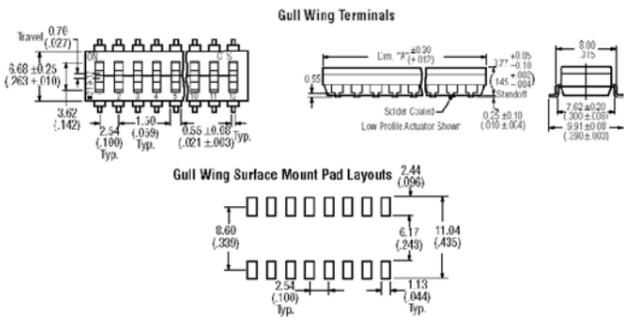
CTS SMT DIP switches perform in dozens of configurations — medium and low-profile actuators, side actuated, auto-placeable, top/bottom sealed and more.

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" x 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

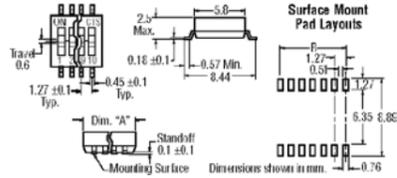
| Stock No. | Mfr.'s Type | No. of Pos. | Dim. A (In.) | EACH | | |
|-----------|-------------|-------------|--------------|------|-------|---------|
| | | | | 1-9 | 10-99 | 100-499 |
| 766-1092 | 219-2MST | 2 | 0.258 | .53 | .46 | .42 |
| 766-1093 | 219-3MST | 3 | 0.358 | .56 | .49 | .46 |
| 766-1094 | 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 |

5

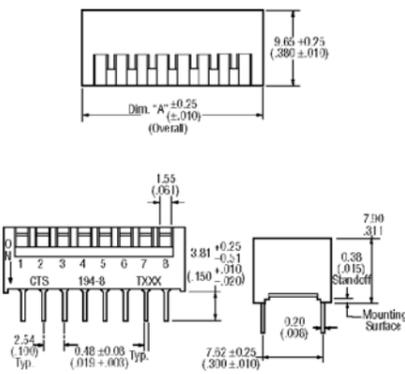
Series 218 Half-Pitch DIP Switches

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

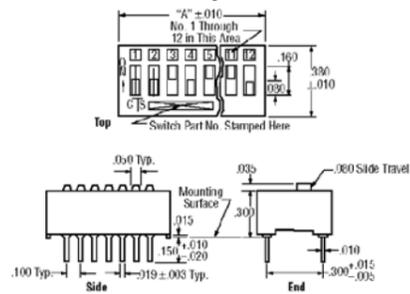


Initial Contact Resistance: 50 milliohms max. Max. Contact Resistance: 100 milliohms max. after 7,000 cycles switching 50 mA @ 24 VDC. Max. Nonswitching Rating: 100 mA or 50 VDC. Insulation Resistance: 1,000 megohms min. between adjacent closed switches. Dielectric Strength: 500 VAC min. for 1 minute. 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

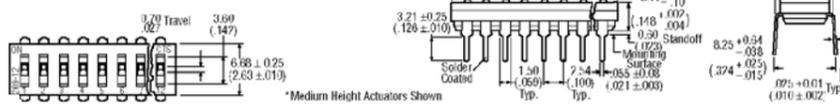


Initial Contact Resistance: 100 milliohms max. Max. Contact Resistance: 500 milliohms max. after 2,000 cycles switching 50 mA @ 15 VDC. Max. Nonswitching Rating: 100 mA or 50 VDC. Insulation Resistance: 1,000 megohms min. between adjacent closed switches. Dielectric Strength: 500 VAC min. for 1 minute. 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 | .86 | .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 |