

Surface Mount DIP Switches and Through-Hole DIP Switches



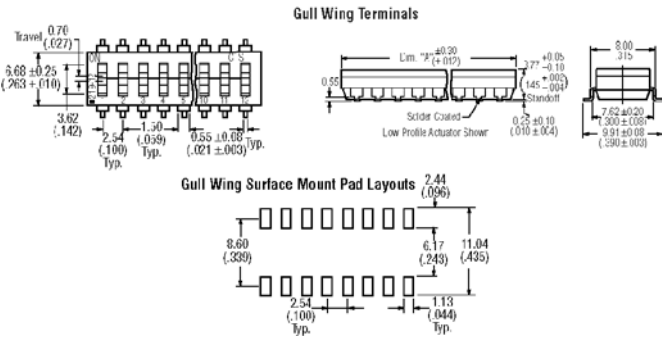
CTS SMT DIP switches perform in dozens of configurations — medium and low-profile actuators, side actuated, auto-placeable, top/bottom sealed and more.

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     |

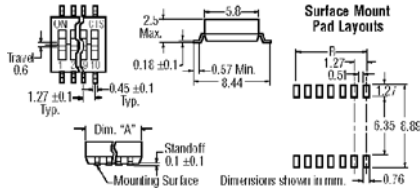
Sealed, Medium, Brown Body

|          |           |    |       |      |     |     |
|----------|-----------|----|-------|------|-----|-----|
| 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 |

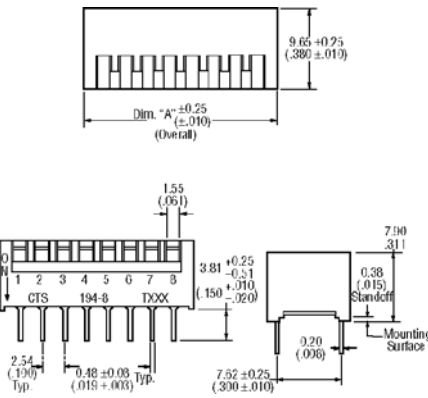
Series 218 Half-Pitch DIP Switches

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

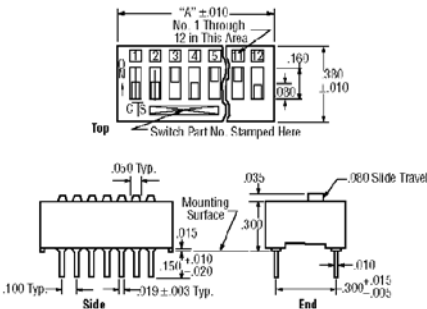


Initial Contact Resistance: 50 milliohms max. Max. Contact Resistance: 100 milliohms max. after 7,000 cycles switching 50 mA @ 24 VDC. Max. Nonswitching Rating: 100 mA or 50 VDC. Insulation Resistance: 1,000 megohms min. between adjacent closed switches. Dielectric Strength: 500 VAC min. for 1 minute.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

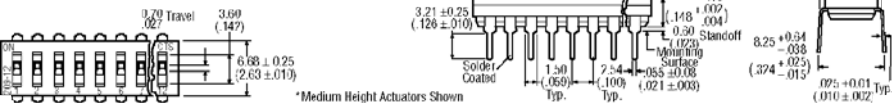


Initial Contact Resistance: 100 milliohms max. Max. Contact Resistance: 500 milliohms max. after 2,000 cycles switching 50 mA @ 15 VDC. Max. Nonswitching Rating: 100 mA or 50 VDC. Insulation Resistance: 1,000 megohms min. between adjacent closed switches. Dielectric Strength: 500 VAC min. for 1 minute.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