



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SERIES 500 SWITCHES

## SLIDE SWITCHES

TACT SWITCHES

NAVIGATION SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

ROCKER SWITCHES

SLIDE SWITCHES

SNAP-ACTION SWITCHES

DIP SWITCHES

KEYLOCK SWITCHES

ROTARY SWITCHES

DETECTOR SWITCHES

CAP. OPTIONS



### SPECIFICATIONS

Contact Rating:	Gold, 0.4 VA @ 20 VAC or DC Silver, 5A @ 120 VAC, 2A @ 250 VAC cURus
Life Expectancy:	30,000 make-and-break cycles at full load
Contact Resistance:	10 mΩ max. typical @ 2-4 VDC 100mA for both silver and gold plated contacts
Insulation Resistance:	1,000 MΩ min.
Dielectric Strength:	1,000 V rms at sea level
Operating Temperature:	-30°C to 85°C

### FEATURES & BENEFITS

- ▶ Single & double pole options
- ▶ Multiple actuator height options
- ▶ Panel & PC board mountable

### APPLICATIONS/MARKETS

- ▶ Computer servers/peripherals
- ▶ Consumer electronics
- ▶ Instrumentation
- ▶ Test & measurement

### MATERIALS

Case:	Diallyl phthalate (DAP), UL 94V0
Housing:	Stainless steel
Slide Handle:	Nylon UL 94HB
Contacts:	Silver or gold plated copper alloy

### HOW TO ORDER

SERIES	MODEL NO.	ACTUATOR	TERMINATION	CONTACT MATERIAL	SEAL	MOUNTING TAB
500	SSP1 SSP2 SSP3	S1 S2 S3 S4	M1 M2 M3 M5-1 M5-2 M5-3 M5-4 M6 M7 VS2	Q = Silver R = Gold	E = Epoxy Sealed	A = Without Tabs B = With Tabs

▶ ▶ ▶ Example Ordering Number  
500-SSP2-S4-M1-Q-E-B

SDP1 SDP3	S1 S2 S3 S4 S5	M1 M2 M3 M5-1 M5-2 M5-3 M5-4 M6 M7 VS2	Q = Silver R = Gold	E = Epoxy Sealed	A = Without Tabs B = With Tabs
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▶ ▶ ▶ Example Ordering Number  
500-SDP1-S1-M6-R-E-A

Specifications subject to change without notice.

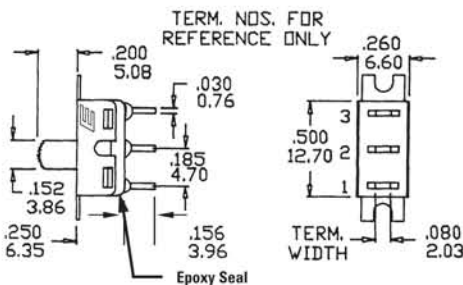
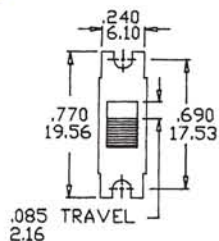


## SPDT



2 Comm.  
1 3

SCHEMATIC



Model No.	POS 1	POS 2	POS 3
SSP-1	ON	NONE	ON
SSP-2	ON	NONE	(ON)
SSP-3	ON	OFF	ON
Term. Comm.	2-1	OPEN	2-3

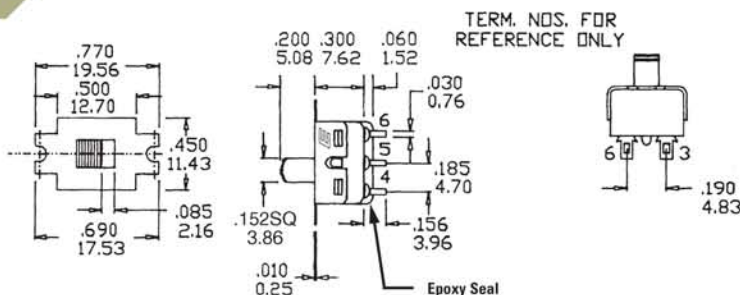
( ) = Momentary

## DPDT



2 Comm. 5 Comm.  
1 3 4 6

SCHEMATIC



Model No.	POS 1	POS 2	POS 3
SDP-1	ON	NONE	ON
SDP-3	ON	OFF	ON
Term. Comm.	2-1, 5-4	OPEN	2-3, 5-6

## ACTUATOR OPTIONS

**S1 STD†**

† Standard for all DPDT versions.

**S2**

**S3**

**S4**

**S5**

\* Subtract 0.012 (0.301) from actuator height for M6, M7 PC mounting options.

## TERMINATION OPTIONS

**M1 SOLDER LUG**

0.030 (0.76) THK

**M2 P.C. MOUNT**

0.030 (0.76) THK

**M3 QUICK CONNECT**

0.030 (0.76) THK  
MATING QUICK CONNECTOR  
AMP P/N 60900-1

**M5 WIRE WRAP**

Option Code	Dim. 'A'
M51	.736 (18.70)
M52	.953 (24.20)
M53	.415 (10.55)
M54	1.062 (26.97)

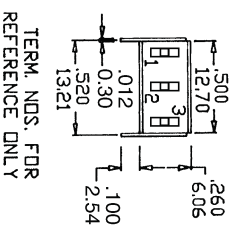
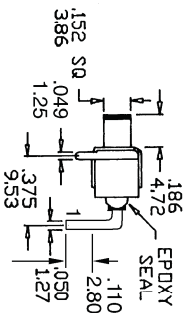
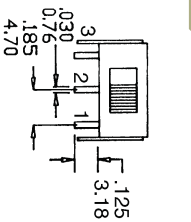


# SERIES 500 SWITCHES

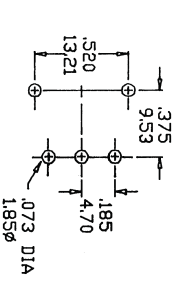
## SLIDE SWITCHES

M6

SPDT



TERM. NDS. FOR REFERENCE ONLY

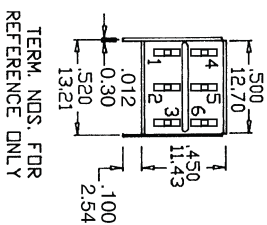
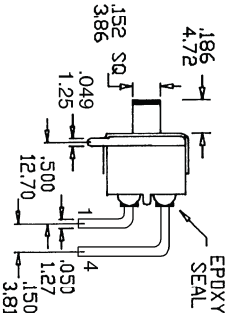
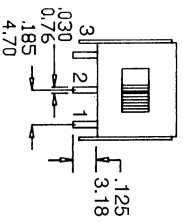
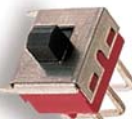


PC MOUNTING

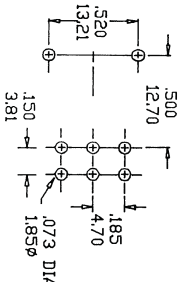
M6

M6

DPDT



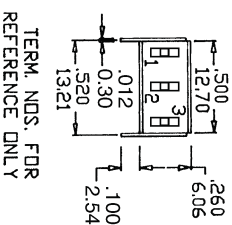
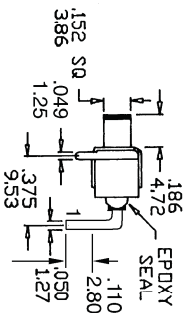
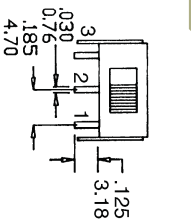
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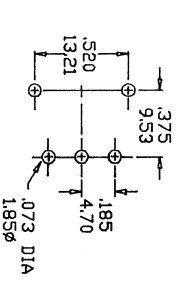
PC MOUNTING

M7

SPDT



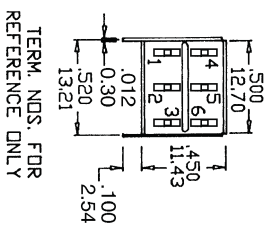
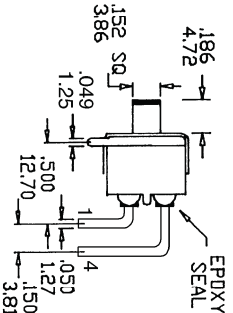
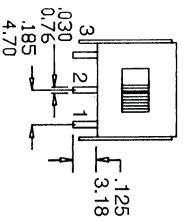
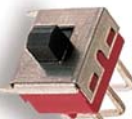
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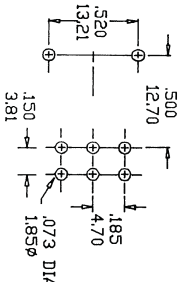
PC MOUNTING

M7

SPDT



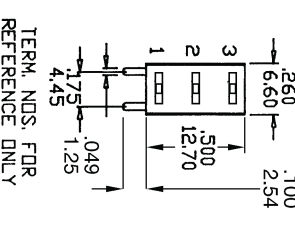
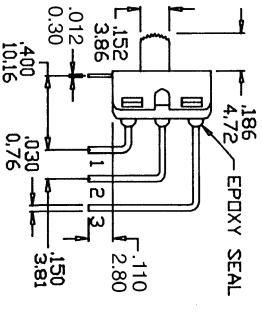
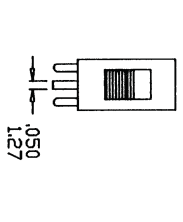
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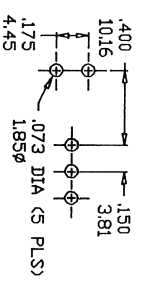
PC MOUNTING

M7

SPDT



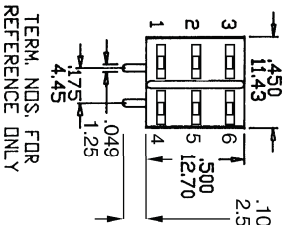
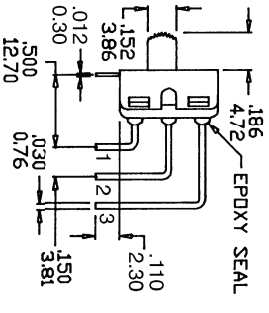
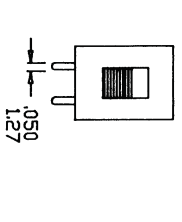
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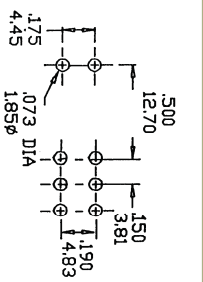
PC MOUNTING

M7

DPDT



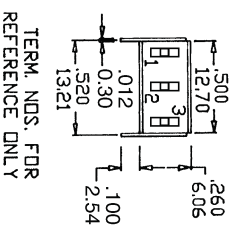
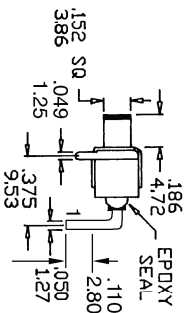
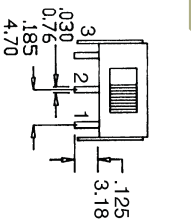
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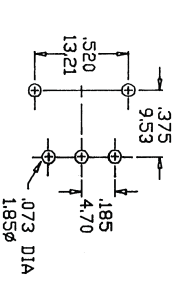
PC MOUNTING

M7

DPDT



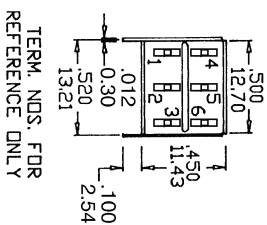
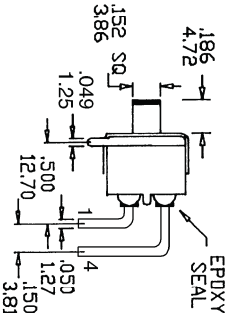
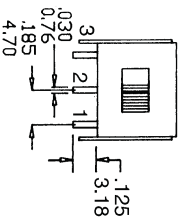
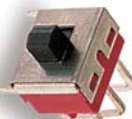
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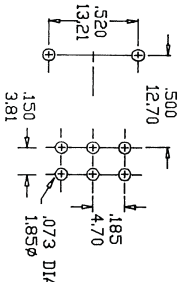
PC MOUNTING

M7

DPDT



TERM. NDS. FOR REFERENCE ONLY



PC MOUNTING

CAP  
OPTIONS

DETECTOR  
SWITCHES

ROTARY  
SWITCHES

KEYLOCK  
SWITCHES

DIP  
SWITCHES

SNAP-ACTION  
SWITCHES

SLIDE  
SWITCHES

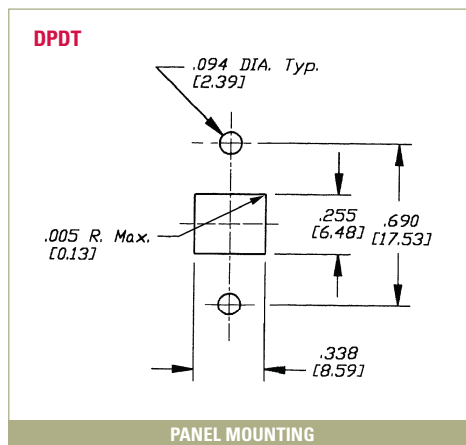
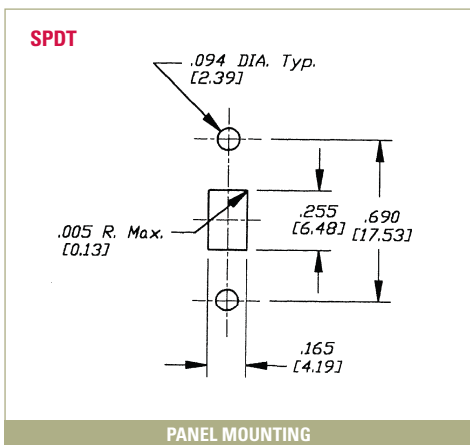
ROCKER  
SWITCHES

TOGGLE  
SWITCHES

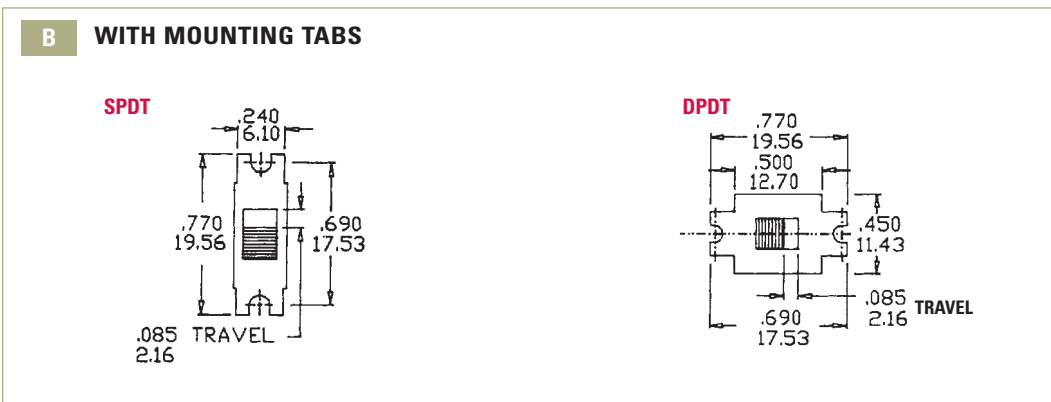
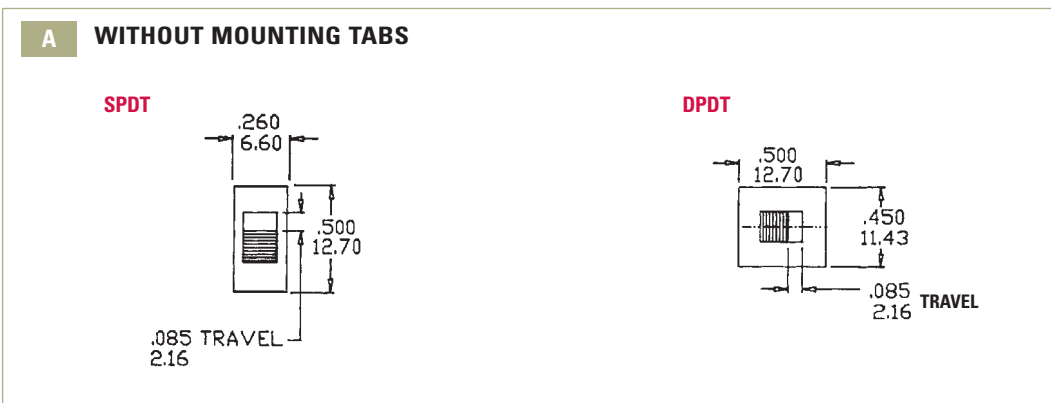
PUSHBUTTON  
SWITCHES

NAVIGATION  
SWITCHES

TACT  
SWITCHES



**MOUNTING TABS**



**CONTACT MATERIAL OPTIONS**

<b>Q</b>	Fixed Terminal: Silver plated copper alloy
	Moving Contact: Silver plated copper alloy
	Rating: 5 Amps with resistive load @ 120VAC or 28VDC 2 Amps with resistive load @ 250VAC

<b>R</b>	Fixed Terminal: Copper alloy with gold plate over nickel plate
	Moving Contact: Copper alloy with gold plate over nickel plate
	Rating: 0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)