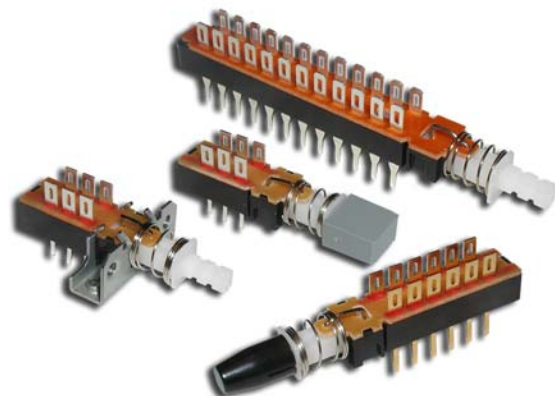


SPECIFICATIONS

Electrical Ratings	See Contract Options
Electrical Life	100,000 cycles typical
Contact Resistance	< 50 mΩ max initial @ 2-4VDC, 100mA
Dielectric Strength	2000Vrms min
Insulation Resistance	> 100MΩ min
Operating Force	2 Pole: 350 +/- 100gF, 200 +/- 100gF 4 Pole: 450 +/- 100gF, 400 +/- 100gF 6 Pole: 550 +/- 100gF, 450 +/- 100gF 8~16 Pole : 650 +/- 150gF
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C



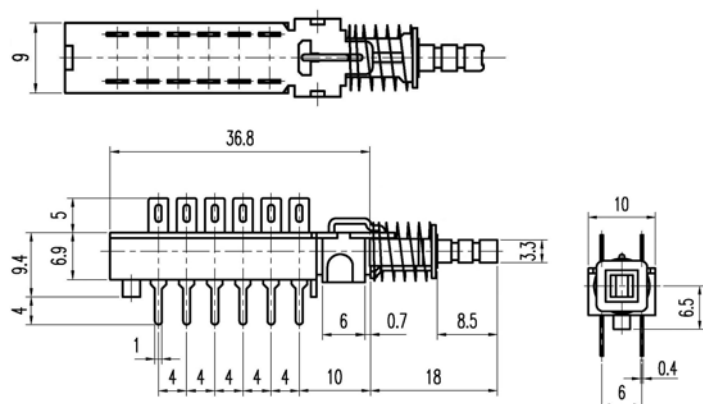
MATERIALS ←RoHS COMPLIANT

Actuator	POM
Housing	PC
Terminal Base	Phenolic
Contacts	Phosphor Bronze, Ag or Au+Ni plated
Terminals	Brass, Ag or Au+Ni plated
Chassis	Steel
Spring	Steel
Latching Pin	Steel

ORDERING INFORMATION

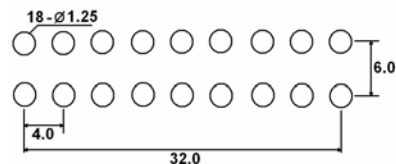
Series:	DL	4	S	N	F	B	Q	C13
DL								
Number of Poles:								
2 = DPDT								
4 = 4PDT								
6 = 6PDT								
8 = 8PDT								
10 = 10PDT								
16 = 16PDT								
** stacking switch part numbers are:								
DL2LAQ/4LAQ (Soft touch = DL2SLAQ/4SLAQ)								
DL2LAQ/6LAQ (Soft touch = DL2SLAQ/6SLAQ)								
Actuation Force Options:								
None = Standard Force								
S = Soft Touch								
Switch Function:								
N = Non-latching								
L = Latching								
Terminal Options:								
A, F, E, C, G								
Mounting Options:								
Blank = No Chassis (standard)								
B = Mounting Chassis, Single Stage, 3.2mm dia Mounting Holes								
C = Mounting Chassis, Single Stage, M3X0.5 Threaded Mounting Holes								
** Multi-Stage Switch Assembly Part Numbers Assigned At Factory								
Contact Material:								
Q = Silver								
R = Gold								
Caps:	C14	C20	C28					
Blank = No Cap	C15	C21	C29					
C11	C16	C22						
C12	C18	C26						
C13	C19	C27						
								**See Cap Options for color availability

DIMENSIONS

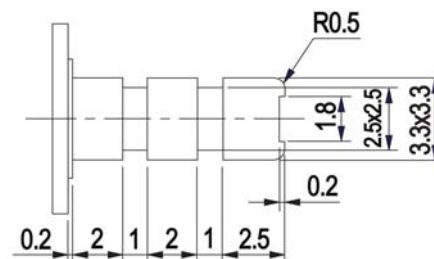
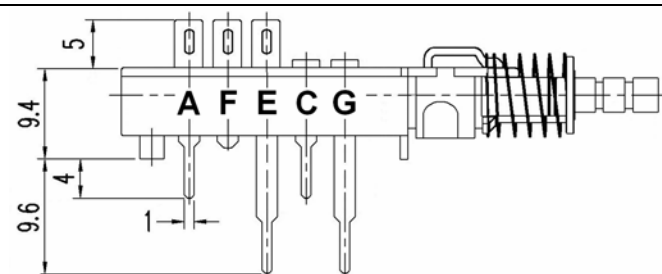


SCHEMATIC & PC LAYOUT

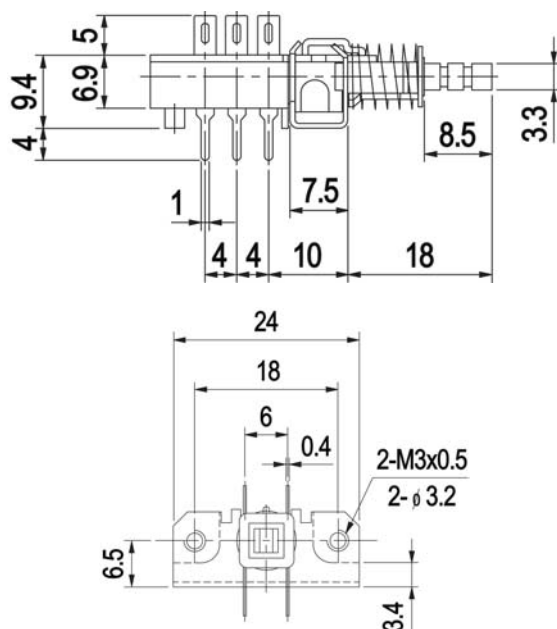
Number of Poles	"L" mm	"P" mm	"A" mm
2	24.8	6	8
4	36.8	12	16
6	48.8	18	24
8	60.8	24	32
10	72.8	30	40
16	108.8	48	64



TERMINAL OPTIONS & ACTUATOR DETAIL

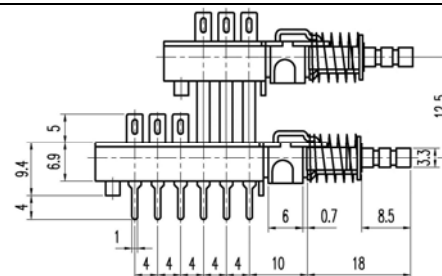


MOUNTING OPTIONS

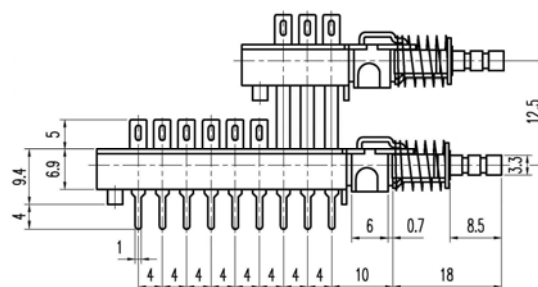


B = 3.2mm mounting holes, C = M3X0.5 mounting holes

STACKING SWITCHES



DL2LAQ/4LAQ (soft touch = DL2SLAQ/4SLAQ)

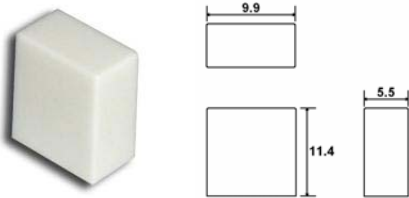
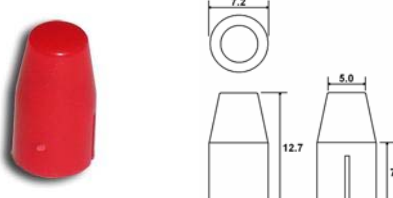
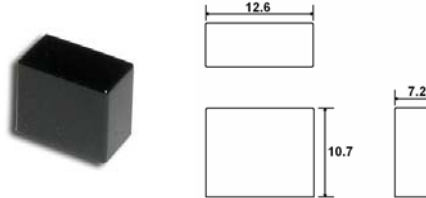
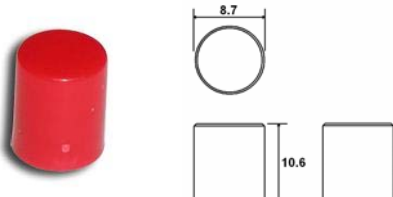
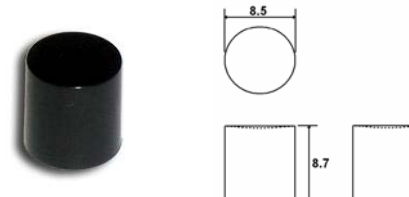
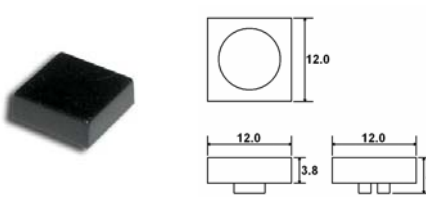
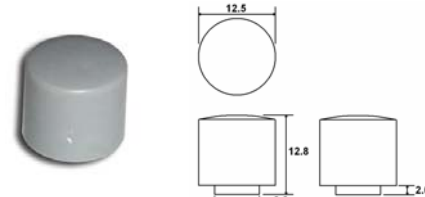
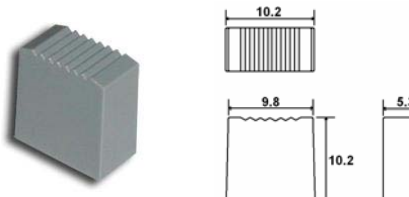
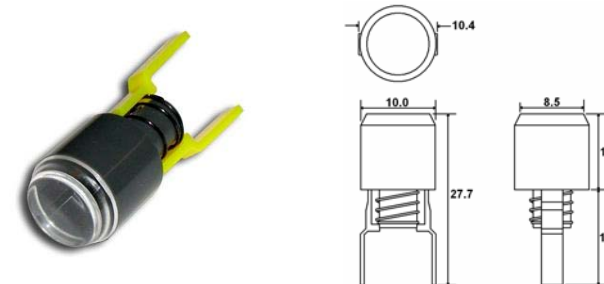
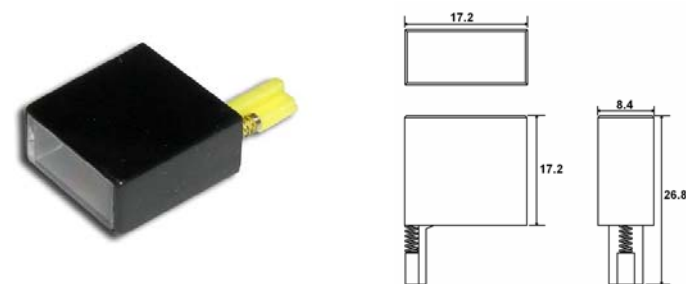


DL2LAQ/6LAQ (soft touch = DL2SLAQ/DL6SLAQ)

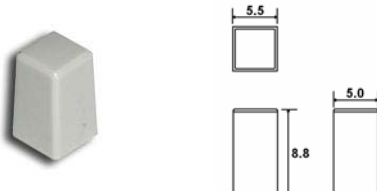
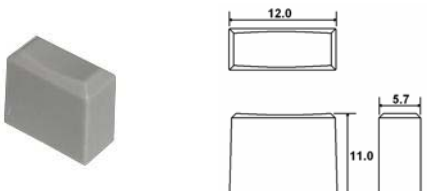
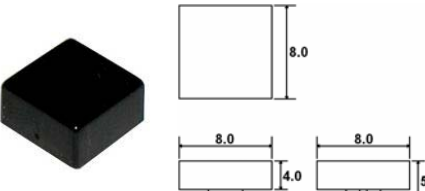
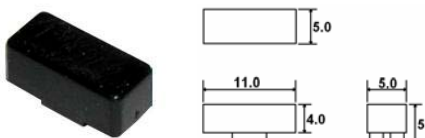
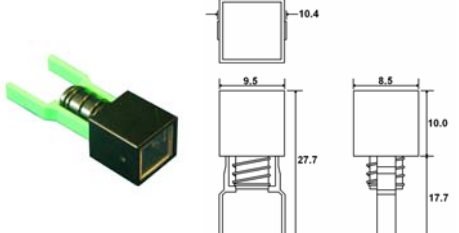
CONTACT OPTIONS

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	500mA @ 120VAC, 1A @ 28VDC
R	Gold over Nickel Plating	Gold over Nickel Plating	0.4VA max @ 20VAC or VDC max

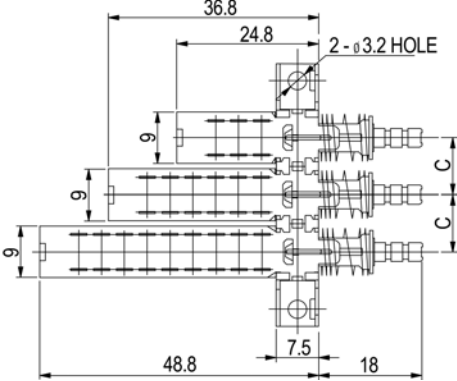
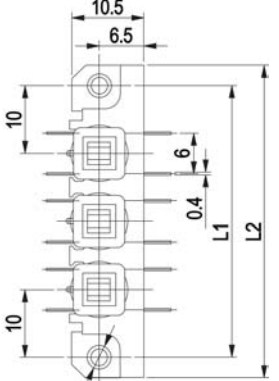
CAP OPTIONS

 C11_ 1 = White, 2 = Black, 3 = Red, 9 = Gray Contact Factory for other available colors	 C12_ 1 = White, 2 = Black, 3 = Red, 9 = Gray Contact Factory for other available colors	 C13_ 1 = White, 2 = Black, 3 = Red, 9 = Gray Contact Factory for other available colors
 C14_ 1 = White, 2 = Black, 3 = Red, 9 = Gray Contact Factory for other available colors	 C15_ 2 = Black, 0 = Clear Contact Factory for other available colors	 C16_ 1 = White, 2 = Black, 3 = Red, 7 = Blue Contact Factory for other available colors
 C18_ 1 = White, 2 = Black, 9 = Light Gray Contact Factory for other available colors	 C19_ 1 = White, 2 = Black, 3 = Red, 8 = Dark Gray Contact Factory for other available colors	
 C20_ Housing Color: 2 = Black, 9 = Light Gray Indicator Color: 1 = White, 4 = Yellow, 5 = Green, 7 = Blue Contact Factory for other available colors		 C21_ Housing Color: 2 = Black, 9 = Light Gray Indicator Color: 1 = White, 4 = Yellow, 5 = Green, 7 = Blue Contact Factory for other available colors

CAP OPTIONS

 C22_ 2 = Black, 8 = Dark Gray, 9 = Light Gray Contact Factory for other available colors	 C26_ 1 = White, 2 = Black, 3 = Red, 9 = Light Gray Contact Factory for other available colors	 C27_ 1 = White, 2 = Black, 3 = Red, 9 = Light Gray Contact Factory for other available colors
 C28_ 1 = White, 2 = Black, 3 = Red Contact Factory for other available colors	 C29_ Housing Color: 2 = Black Indicator Color: 1 = White, 4 = Yellow, 5 = Green, 7 = Blue Contact Factory for other available colors	

MULTI-STAGE CHASSIS ← PART NUMBERS ASSIGNED AT THE FACTORY

 36.8 24.8 2 - Ø3.2 HOLE 9 9 9 48.8 7.5 18	 10.5 6.5 10 6 0.4 L1 L2 10 2 - M3x0.5 HOLE
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BRACKET LENGTH & MOUNTING PITCH

Pitch (C)	Number of Positions											
	1		2		3		4		5		6	
	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2
10mm	18	24	30	36	40	46	50	56	60	66	70	76
12.5mm			32.5	38.5	45	51	57.5	63.5	70	76	82.5	88.5
15mm			35	41	50	56	65	71	80	86	95	101
17.5mm			37.5	43.5	55	61	72.5	78.5	90	96	107.5	113.5
20mm			40	46	60	66	80	86	100	106	120	126
25mm			45	51	70	76	95	101	120	126	145	151
30mm			50	56	80	86	110	116	140	146	170	176