

Horizontal Pushbutton

Specifications

Electrical Ratings	See Contact Options	Operating Force	2 Pole: 350 ± 100gF
Electrical Life	100,000 cycles typical		4 Pole: 450 ± 100gF
Contact Resistance	<50mΩ initial @ 2-4VDC, 100mA		6 Pole: 550 ± 100gF
Dielectric Strength	2000Vrms min		8~10 Pole: 650 ± 150gF
Insulation Resistance	>100MΩ min	Operating Temperature	-20°C to 70°C
		Storage Temperature	-40°C to 85°C

Materials

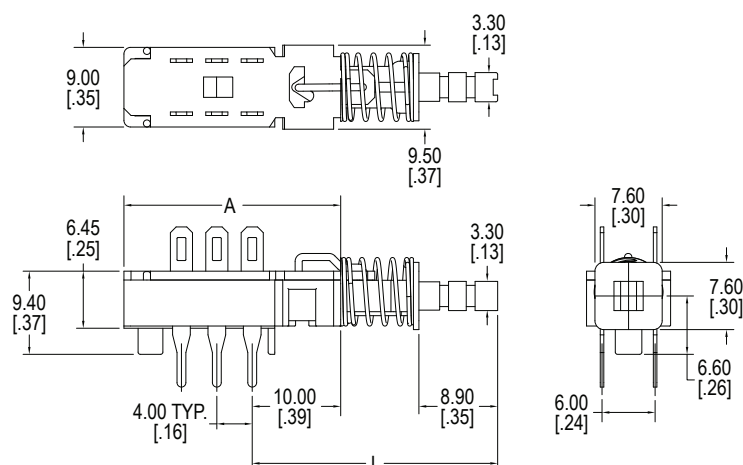
Actuator	POM
Housing	PC
Terminal Base	Phenolic
Contacts	Phosphor Bronze, Silver or Gold-Nickel Plated
Terminals	Brass, Silver or Gold-Nickel Plated
Chassis	Steel
Spring	Steel
Latching Pin	Steel

Ordering Information

1. Series	DL	4	N	F	B	Q	C132
DL							
2. Number of Poles 2 = DPDT 4 = 4PDT 6 = 6PDT 8 = 8PDT 10 = 10PDT **Stacking switch part numbers are: DL2LAQ/4LAQ DL2LAQ/6LAQ							
3. Actuation Force Options None = Standard Force							
4. Switch Function N = Non-latching L = Latching							
5. Terminal Options A, F, E, C, G							
6. 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							
7. Contact Material Q = Silver R = Gold							
6. Caps Blank = No Cap C11 C12 C13	C14 C15 C16 C18	C19 C20 C22 C26	Cap Colors **See Cap Options for color availability				

Horizontal Pushbutton

Dimensions

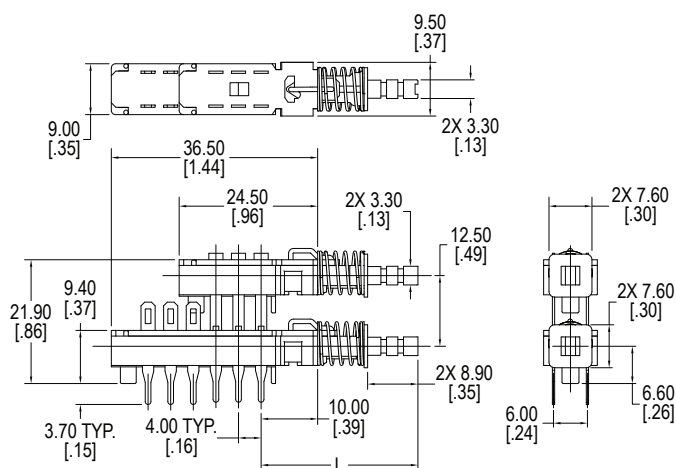


Number of Poles	"A" mm
2	24.5
4	36.5
6	48.5
8	60.5
10	72.5

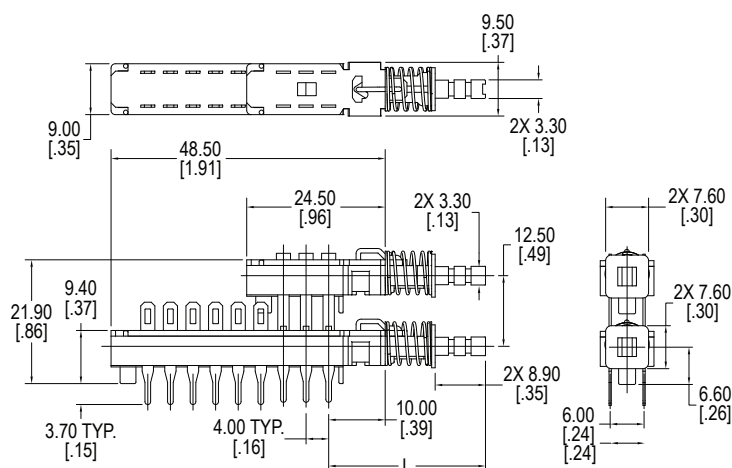
Free Position	L = 27.75 ± .15mm
Locking Position	L = 24.55 ± .15mm
Total Travel	4.70 ± .15mm
Total Travel to Lock Position	1.5 ± .15mm

Stacking Switches

DL2LAQ/4LAQ

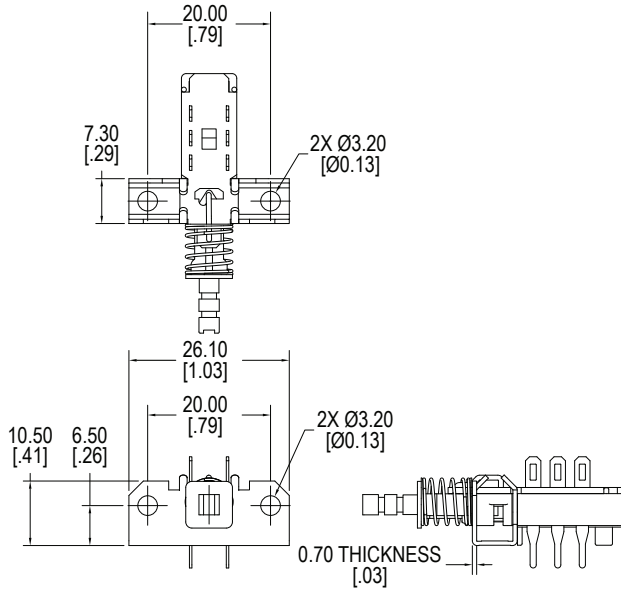


DL2LAQ/6LAQ

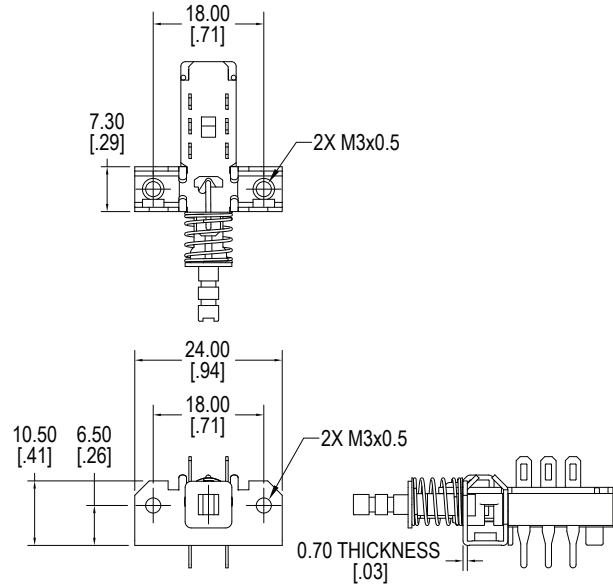


Mounting Options

B, 3.2mm mounting holes

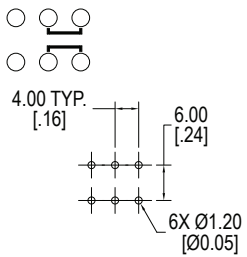


C, M3x0.5 mounting holes

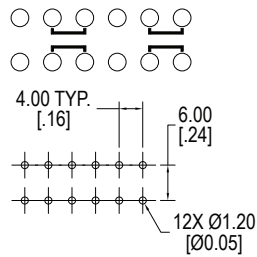


Schematics & PCB Layout

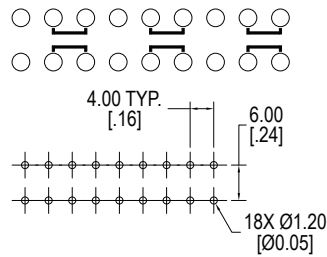
2 Pole



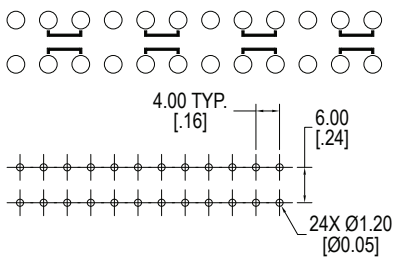
4 Pole



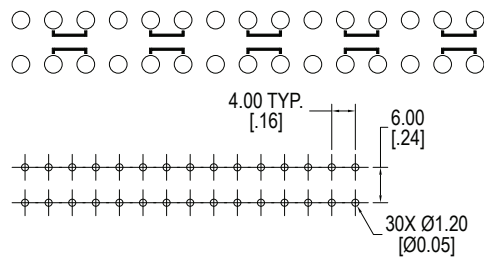
6 Pole



8 Pole

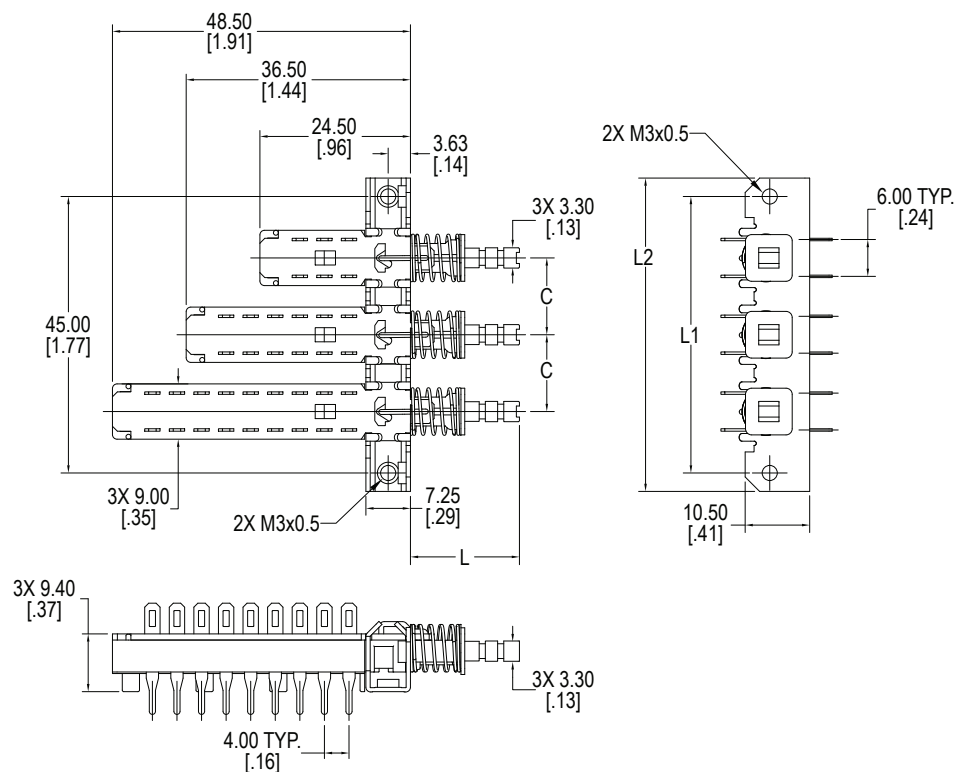


10 Pole



Multi-Stage Chassis

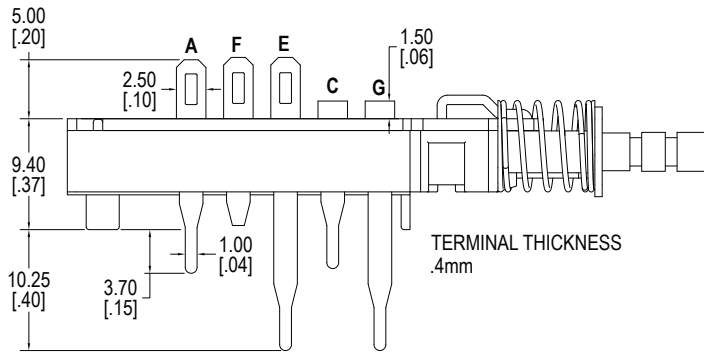
Part Numbers assigned at the factory



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

Terminal Options



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

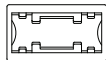
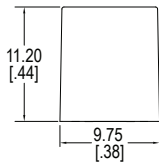
Cap Options

Contact Factory for other available colors

C11_



1 = White
2 = Black
3 = Red
9 = Light Gray

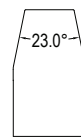
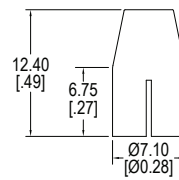


C11_

C12_



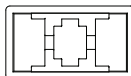
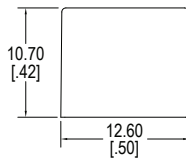
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9 = Light Gray



C13_



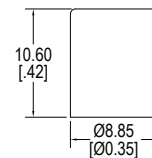
1 = White
2 = Black
3 = Red
9 = Light Gray



C14_



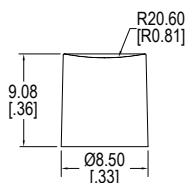
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3 = Red
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Cap Options Contact Factory for other available colors

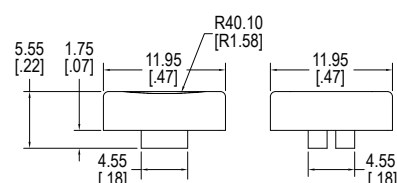
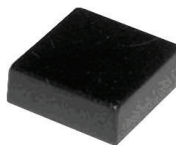
C15_



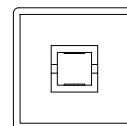
2 = Black
0 = Clear



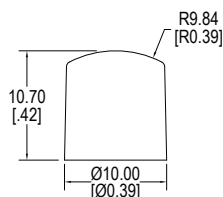
C16_



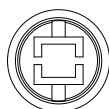
1 = White
2 = Black
3 = Red
7 = Blue



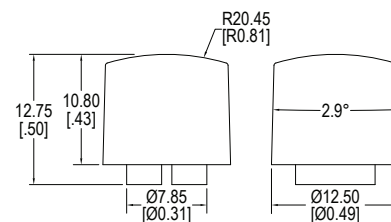
C17_



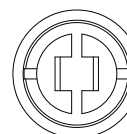
2 = Black
0 = Clear



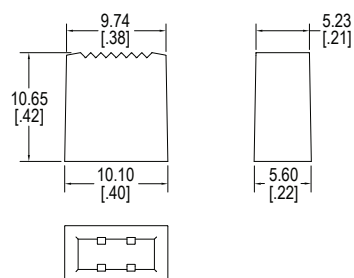
C18_



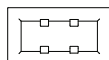
1 = White
2 = Black
3 = Red
9 = Light Gray



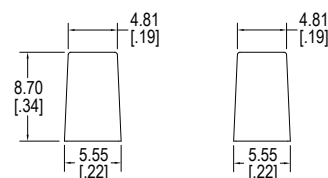
C19_



1 = White
2 = Black
3 = Red
8 = Dark Gray



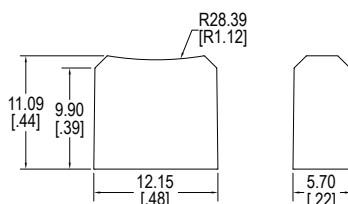
C22_



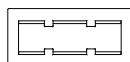
1 = White
2 = Black
8 = Dark Gray
9 = Light Gray



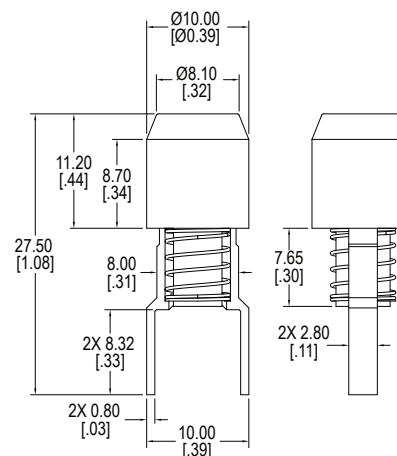
C26_



1 = White
2 = Black
3 = Red
9 = Light Gray



C20_



Housing Color
2 = Black
9 = Light Gray
Indicator Color
1 = White
4 = Yellow
5 = Green
7 = Blue