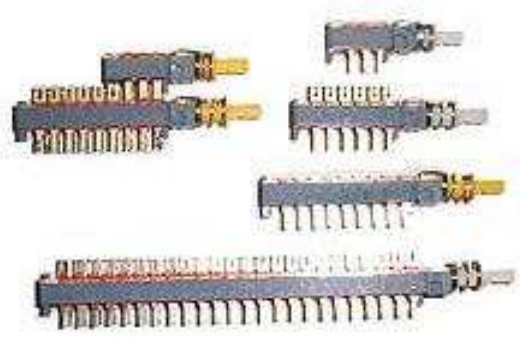
PBN Push Button Switch

Specifications

Ratings:	0.1A 30VDC / 10,000 life cycles 1.0A 25VDC / 5,000 life cycles
Operating Temp:	-10° C ~ +60° C
Contact Resistance:	50mΩ max. initial
Insulation Resistance:	100 MΩ min.
Dielectric Strength:	500VAC for 60 +/- 5 sec
Housing/plunger:	UL 94HB (standard) UL 94V0 (optional)
Changeover timing:	Non-short / shorting
Plating of terminals & moving contacts:	Silver plated (standard) Gold Plated (optional)



Ordering qty: 200pcs
Switch with chassis: 500pcs

	2 Poles	4 Poles	6 Poles	8 Poles	10 Poles	16 Poles
Operating force:	400 +/- 100gf	550 +/- 150gf	750 +/- 150gf	750 +/- 150gf	750 +/- 150gf	750 +/- 150gf
Travel-to-Lock Distance:	3.5 mm 2.5 mm 1.5 mm	3.5 mm 2.5 mm 1.5 mm	3.5 mm	3.5 mm	3.5 mm	3.5 mm

Ordering Single Switch

PBN	-	S	2	A	1.5	H	-	B	Ag

PBN=UL94HB
PBV=UL94V0 (2P, 4P & 6P)

S = Self lock
N =Non-lock

2 = 2 Poles
4 = 4 Poles
6 = 6 Poles
8 = 8 Poles
10 = 10 Poles
16 = 16 Poles

Terminal Types
A
C
M
S

Travel to Lock
1.5 mm
2.5 mm
3.5mm

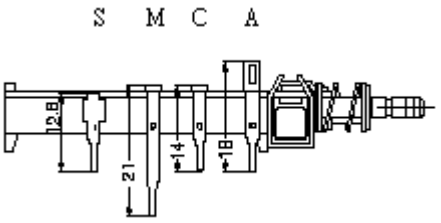
Chassis Type
H= 2x Ø 3.2mm
T= 2x[M3x0.5mm]
C= Chassis Ear Cut
Nil = No chassis

Terminal shape
A=straight terminal
B= snap-in terminal

Contacts Plating
Ag=silver
Au=gold

Standard Terminals

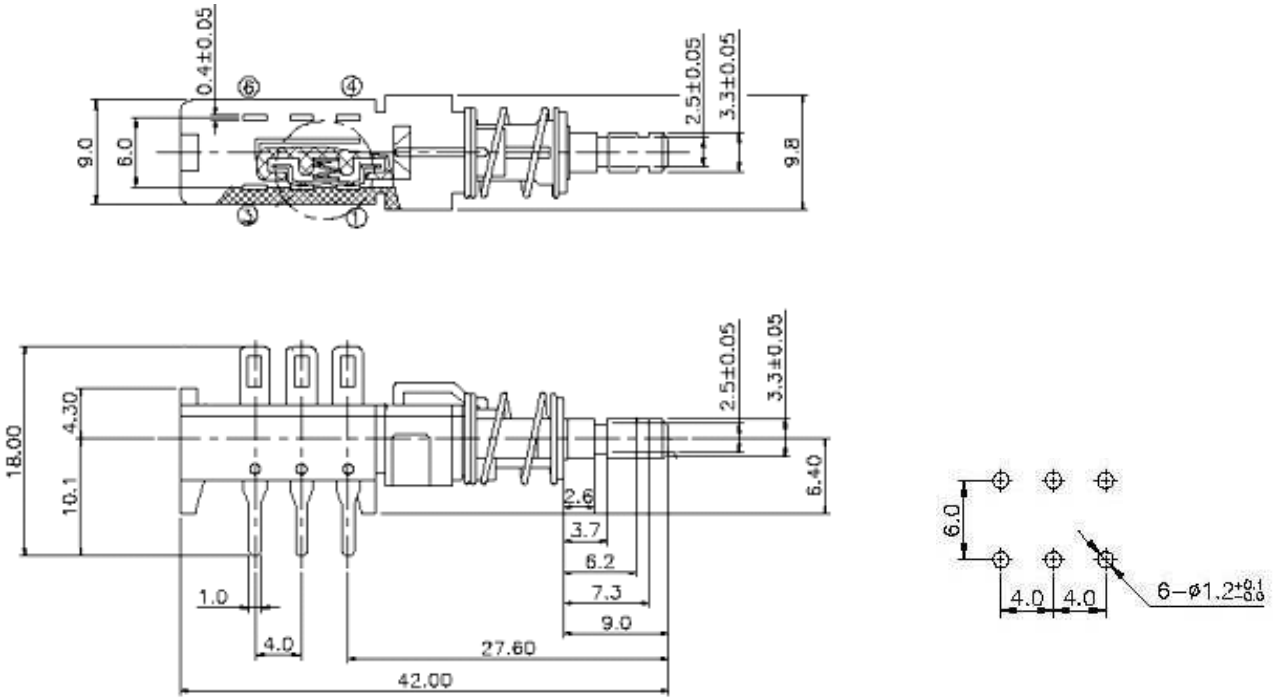
1. Only S terminal is available for *1.5mm* and *2.5mm* travel-to-lock versions.
2. Stocking terminals: A, C & S
3. Standard plating: Silver
4. Terminals available for Gold Plating: A, C, S
5. Terminal: Straight or Snap-in



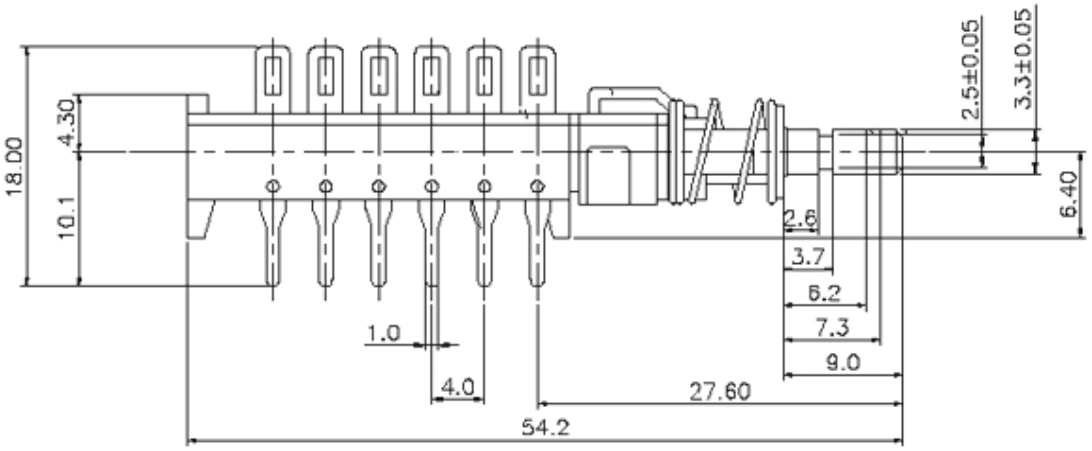
Buttons

BF series
BC series

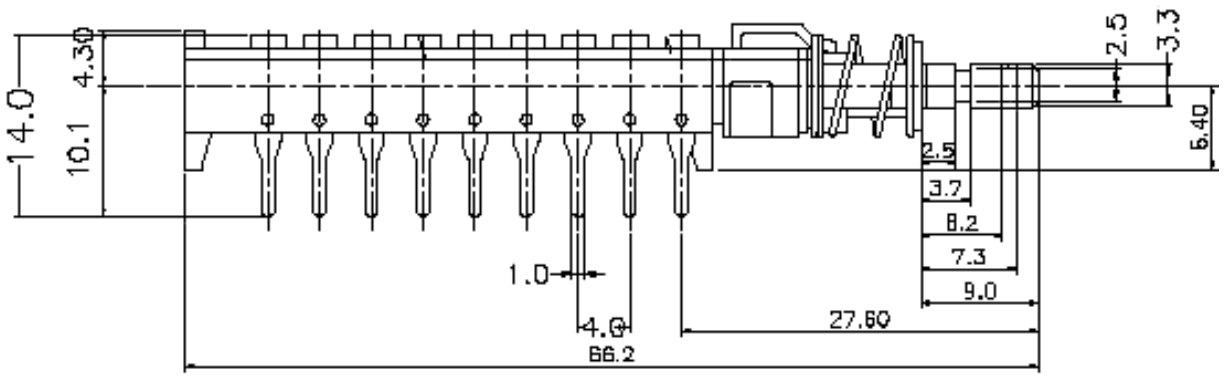
2 Poles Version



4 Poles Version

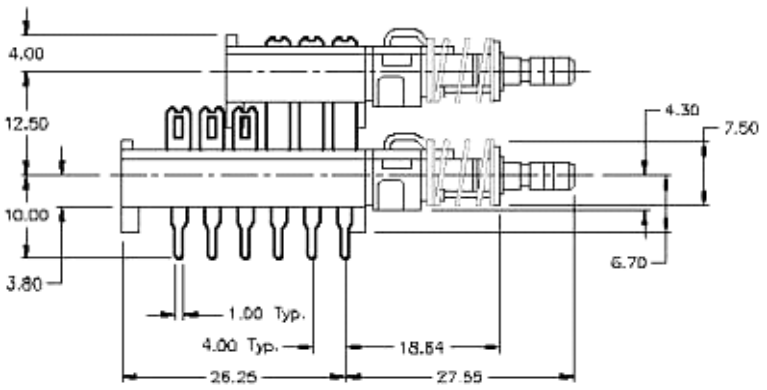


6 Poles Version



Piggy Back Switches

Piggy back switches are made by two switches of different poles. For examples, a 2-pole + 4-pole switch, as shown in this drawing. You can have other combinations like (2-pole + 6-pole), (4-pole + 6-pole), etc.



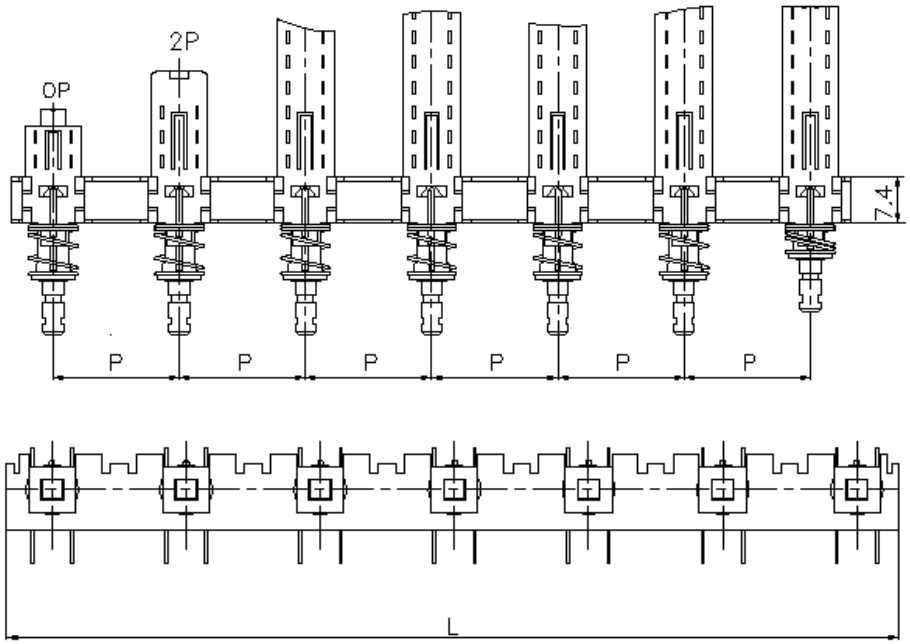
Application: It is often used where space is a premium in your PCB and two switches are necessary.

Mechanism: The top switch controls the front terminals while the back terminals are controlled by the bottom switch.

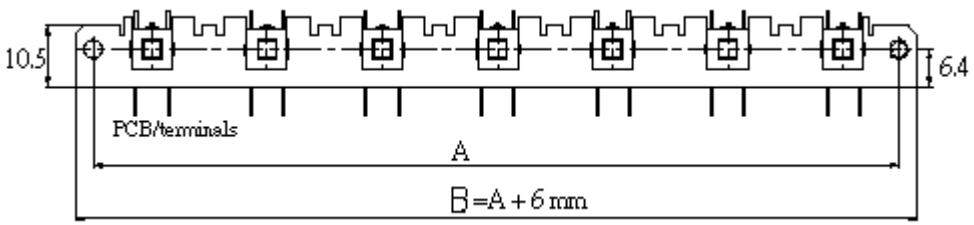
Please contact Toneluck or her sales representatives for ordering piggy back switches.

Switches Assembly

Chassis: cut ear



Chassis with screw holes



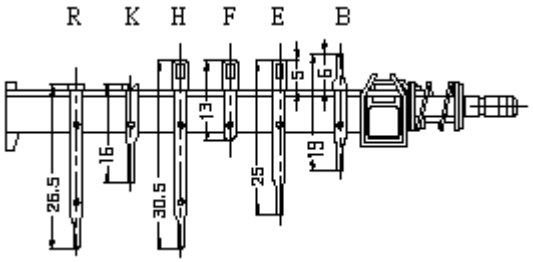
Standard Pitch distances (*P*): 10mm, 12.5mm, 15mm, 17.5mm, 20mm, 25mm, 30mm.

Ordering Switch Assembly

For Gang Switch (Switch assembly) ordering, please refer to Appendix A in this catalogue.

Optional Terminal Types

The following terminals are also available, however, they require longer delivery lead-time. The MOQ requirement is 10kpcs per order for these optional terminals. Should you need any other terminals which you can't find in this catalog, please contact Toneluck or her sales representatives.



Low Force 2-Pole Switch

There is a low force 2-pole push button switch with 150gf operating force available. Please refer to the following ordering instruction:

PBL	-	S	2	A	1.5	H	-	B	Ag

	S = Self lock N =Non-lock	2 = 2 Poles only	Terminal Types A C M S	Travel to Lock 1.5 mm 2.5 mm 3.5mm	Chassis Type H= 2x Ø 3.2mm T= 2x[M3x0.5mm] C= Chassis Ear Cut Nil = No chassis	Terminal shape A=straight terminal B= snap-in terminal Contacts Plating Ag=silver Au=gold

Appendix -A

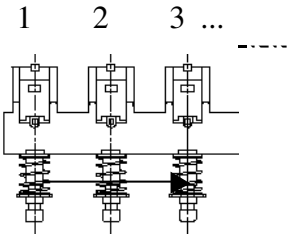
Switch Assembly Ordering Form

Customer:		Toneluck Salesman	
Purchaser:		Date :	
Project Ref:		Your Email :	
Sales Rep.:		Est. Monthly Qty :	

Format:

PBN	-	5	-	17.5	H	-	x x x x

PBA	No. of switches	Pitch (*mm*)	Mounting Chassis
PBN		10.0	H = Mounting holes is 2 x Ø3.2 mm
MPN		12. 5	T = M3 Screw, 2 x (M3x 0.5 mm)
PWL		15.0	C = Mounting chassis ear cut
		17.5	
		20.0	
		25.0	XXXX : Assigned by Toneluck



Key No.	Switch Part Number	Function (select one only by 'x')				Pitch (*p*)	Button P/N
		Self Lock	Non-lock	Inter-lock	Reset		
1							
2							
3							
4							
5							
6							
7							
8							

Remarks:

To be filled by Toneluck:

Part-number:	[ ] - [ ] - [ ] [ ] - [ ]
Price:	Lead-time :
Revision Date:	Validity: 180 days
Remarks:	