

Pushbutton Switches

Illuminated Pushbutton Switch with LED

PB40 Series



FEATURES:

- > Small size
- > LED illuminated
- > Two colors available
- > Lock / Non-lock / Tactile Type available
- > Various cap options

Specifications:

SWITCH SPECIFICATIONS	
POLE - POSITION	1P2T, 2P2T LOCK / NON-LOCK Action with LED
CONTACT RATING	30 VDC, 0.1A / 5 VDC, 0.1mA
CONTACT RESISTANCE	50 mΩ max. 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ min. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	250 ± 100 gf
OPERATING LIFE	50,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	TRAVEL - 1.0 ± 0.3 mm FULL TRAVEL - 1.5 ± 0.3 mm

LED SPECIFICATIONS							
 ATTENTION LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
FORWARD CURRENT	If	mA	30	30	30	30	30
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-4.0	2.0-2.5	2.0-2.5	3.3-3.8	2.2-2.7
LUMINOUS INTENSITY@20mA	Iv	mcd	230	120	50	145	200

How to order:

PB40	1	2	3	4	5	6	7	8	9	10	11	12	13	
	OPERATION		POSITION		TERMINAL		HOUSING COLOR		1. LED BRIGHTNESS		2. LED BRIGHTNESS		PRINTING	
	N	NON-LOCK (std.)	2	2 POSITION (std.)	H	P.C.B TYPE (std.)	A	BLACK (std.)	U	ULTRA (std.)	U	ULTRA (std.)	...	
	L	LOCK TYPE			R	RIGHT ANGLE TYPE Std.	H	GRAY	R	REGULAR	R	REGULAR	See last page !	
	T	TACTILE			R1	RIGHT ANGLE TYPE 1	B	WHITE	N	WITHOUT	N	WITHOUT		
					R2	RIGHT ANGLE TYPE 2								
					R3	RIGHT ANGLE TYPE 3								
					R4	RIGHT ANGLE TYPE 4								
		POLE										1.LED COLOR		2.LED COLOR
	2	2 POLE (std.)			TIMING		FRAME		CAP COLOR		G BLUE		G BLUE	
	1	1 POLE			N NON - SHORTING (std.)		N WITHOUT		T Transparent (std.)		F GREEN		F GREEN	
							S1 SQUARE		N WITHOUT		C RED		C RED	
							S2 SQUARE		F GREEN		B WHITE		B WHITE	
							S2H SQUARE		C RED		E YELLOW		E YELLOW	
							R1 ROUND		N WITHOUT		N WITHOUT		N WITHOUT	
							R1A ROUND							
							R2 ROUND							
							R2H ROUND							
							R3 ROUND							

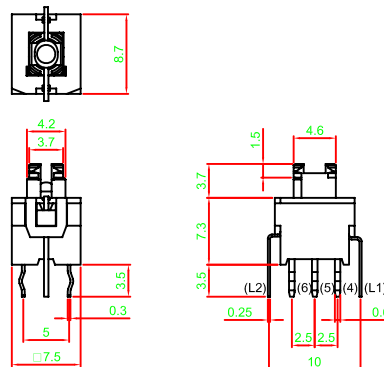
Pushbutton Switches

Illuminated Pushbutton Switch with LED

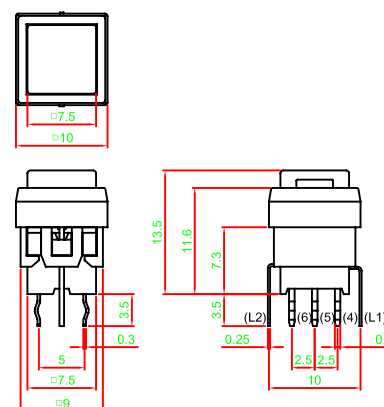
PB40 Series

► DIMENSION

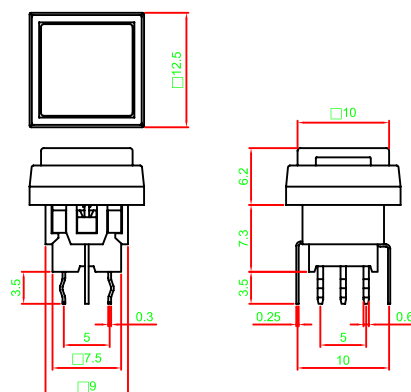
PB40L22NHNNN



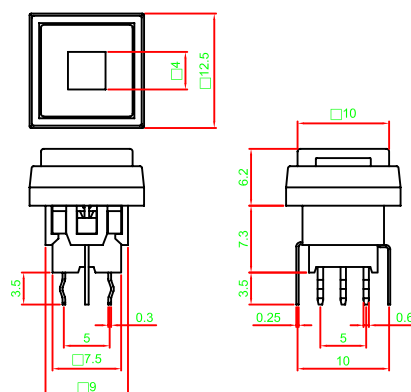
PB40L22NHS1AT



PB40N22NHS2AT



PB40N22NHS2HAT



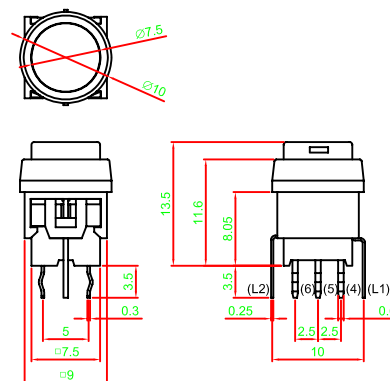
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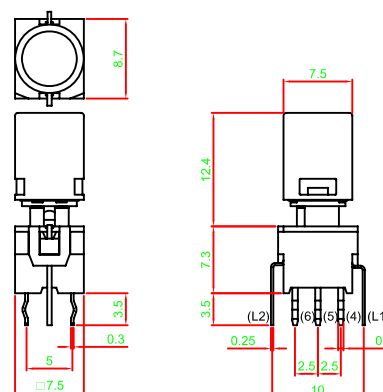
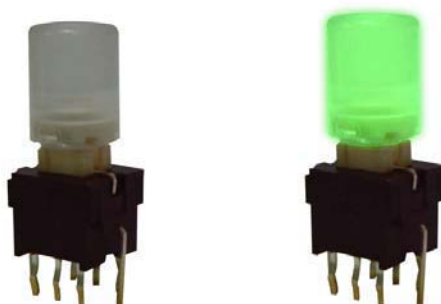
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► DIMENSION

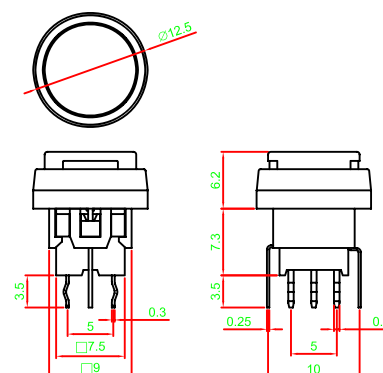
PB40L22NHR1AT ☐ ☐ ☐ ☐ ☐



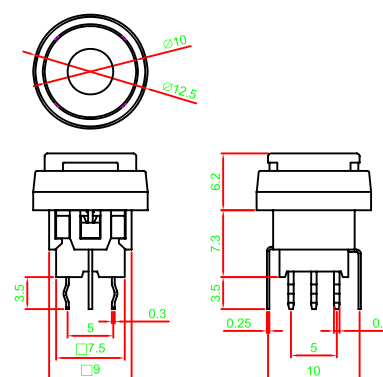
PB40L22NHR1ANT ☐ ☐ ☐ ☐ ☐



PB40N22NHR2AT ☐ ☐ ☐ ☐ ☐



PB40N22NHR2HAT ☐ ☐ ☐ ☐ ☐



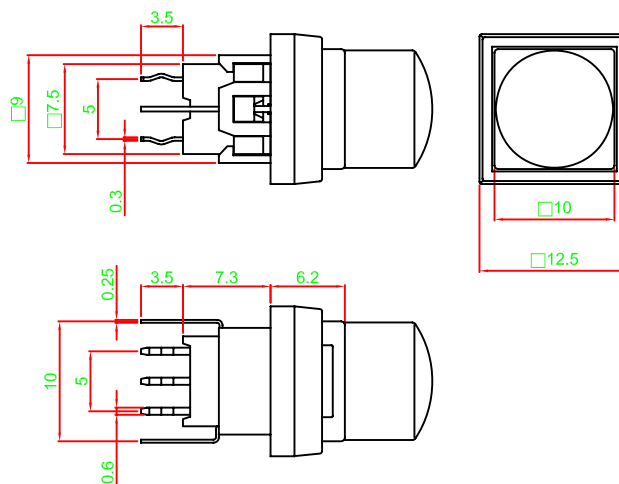
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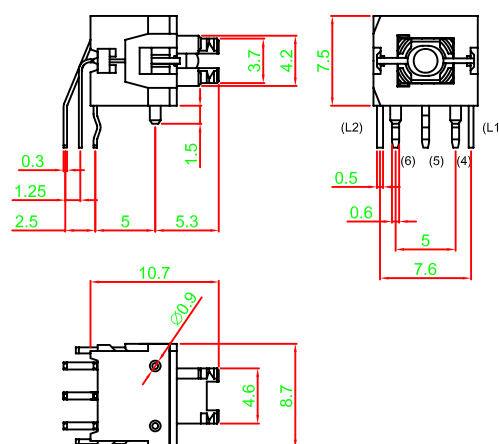
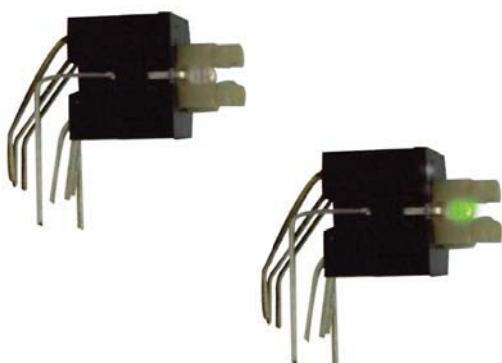
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► DIMENSION

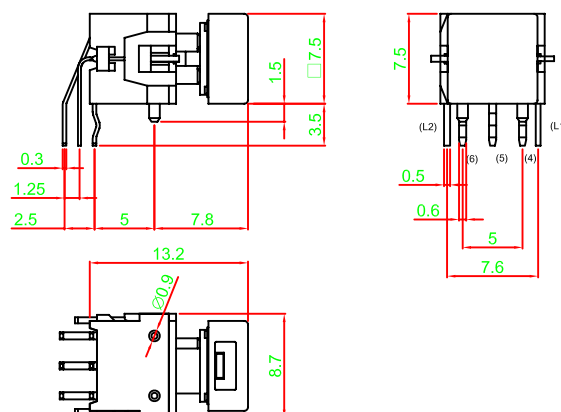
PB40N22NHR3AT ☐ ☐ ☐ ☐ ☐



PB40N22NRNN ☐ ☐ ☐ ☐ ☐



PB40N22NRS1NT ☐ ☐ ☐ ☐ ☐



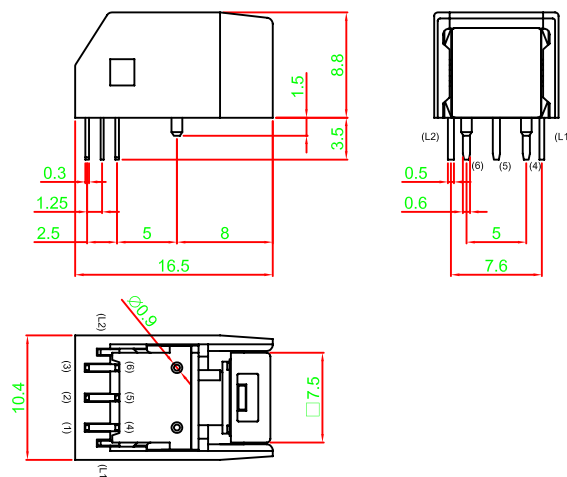
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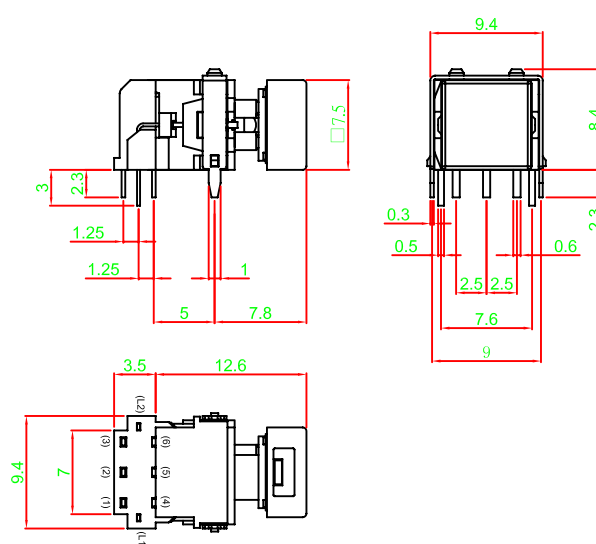
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► DIMENSION

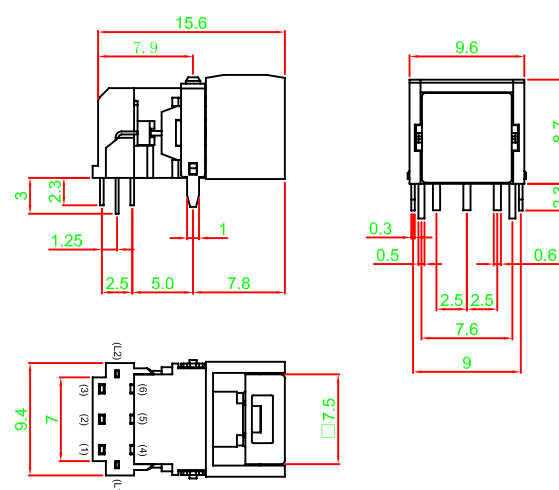
PB40N22NRS1AT ☐ ☐ ☐ ☐ ☐



PB40N22NR1S1NT ☐ ☐ ☐ ☐ ☐



PB40N22NR2S1AT ☐ ☐ ☐ ☐ ☐



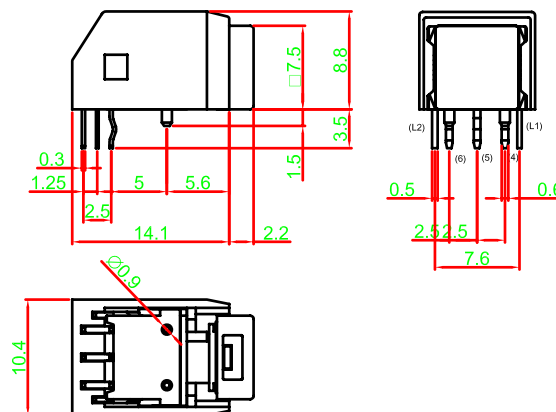
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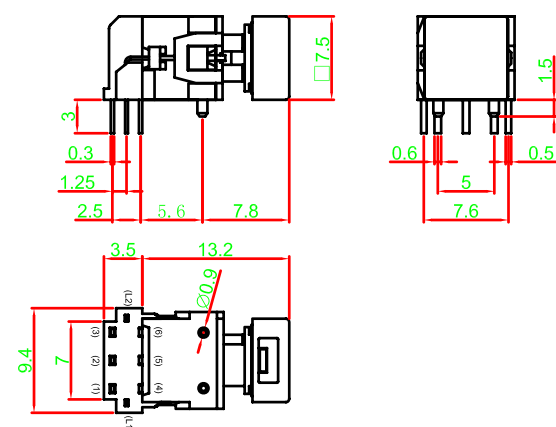
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► DIMENSION

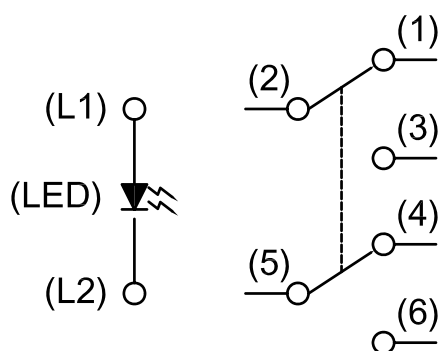
PB40N22NR3S1AT



PB40N22NR4S1NT

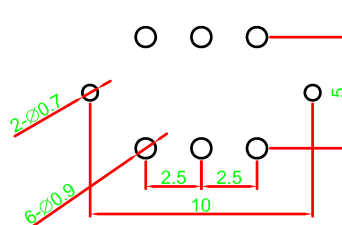


► CIRCUIT DIAGRAM

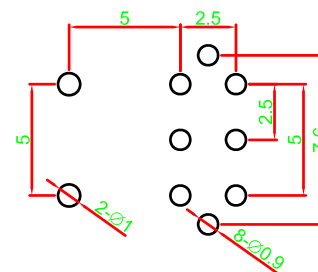


► P.C.B. LAYOUT PCB

STANDARD TYPE



RIGHT ANGLE TYPE



► MATERIAL

- FRAME - PA + GF
- ACTUATOR - PA + GF
- BASE - PA9T + GF
- TERMINAL - BRASS ; SILVER PLATING
- SPRING - STAINLESS STEEL

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00 No Printing



Select one printing type (e.a. **K3** for



)

	0	1	2	3	4	5	6	7	8	9
A	0	1	2	3	4	5	6	7	8	9
B	A	B	C	D	E	F	G	H	I	J
C	K	L	M	N	O	P	Q	R	S	T
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF
E	OK	Ⓚ	Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-
H	ESC	BC.	HOME	Health	D-LED 2	OC GENE	VIDEO INPUT	clr CMOS	Green Power	Save OK
I	B/R +	Undo Cancel	T/L -	F1	F2	F3	F4	F5	F6	F7
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3
K	IN 4	IN 5	IN 6	Ⓚ	⦿	⦿	●	⬇	ⓘ	⬅
L	+	-	×	÷	=	↑	➡	⬆	⏮	⏭
M	⬆	⬇	↺	↻	↺	↻	↑	➡	⬆	➡
N	↑	➡	⬆	⬅	▲	▶	◀	▶	◀	▶
O	■	⏮	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶
P	●●●●	⌚	⌚ OC Genie	✕	✓	Ⓚ	Config.	TIME LINE	ME1	ME2
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT ⬅	WIPE	⦿
R	⏮	ALL	✕	VP	⦿	COPY	📄			