

ILLUMINATED SWITCH ZPA SERIES

Sub-Miniature Pushbutton Switches Illuminated



ILLUMINATED SWITCH



FEATURES

- ❖ Do not have wear and damage problem by pressed contact structure
- ❖ Shock resistant switch, withstands harsh environments, Available in aluminum and plastic housings

APPLICATION

- ❖ Lighting, Computer peripherals
- ❖ Communication
- ❖ Medical equipment.
- ❖ IPC, Marine

SPECIFICATION

Contact Rating	400mA 32VAC-100mA 50VDC-125mA 125VAC	ZPA S6/S7
	500mA 48VAC-200mA 50VDC-200mA 250VAC	
Contact Resistance	100mA 24VDC	ZPA L6
	2A 125VAC	
Contact Resistance	50mΩ max.	
Insulation Resistance	1GΩ min. 500VDC	
Dielectric Strength	1,000VAC rms.	
	1,500VAC rms. for metal material.	
Operating Force	2N~5N	
Travel	1.5mm	
	2.5mm	
Electrical Life at Full Load	500,000 cycles	
Mechanical Life	1,000,000 cycles	
Operating Temp.	-30°C ~ +85°C	

HOW TO ORDER

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S6=Off-(On)
S7=On-(Off)
L6=Off-On

Bushing:
B1=Snap-in
B2=Threaded Bushing
B3=Snap-in
D1=Square Threaded Bushing(die-casting)
D2=Threaded Bushing(die-casting)
B6=Square Threaded Bushing(plastic case)

Terminations:
M1=Solder Lug
M4=PC Through Hole(ZPAS6 Only), Non-LED
M3=8.20 Solder Lug(ZPAS6 Only), Non-LED
L2 90mm wire leads 20 AWG
L3 100mm wire leads 20 AWG

Cap Color:
1=White
2=Black
3=Red
4=Orange
5=Yellow
6=Green
7=Blue

5= Standard hardware

LED Color:
L1=White
L3=Red
L5=Yellow
L6=Green
L7=Blue
L36=Red+Green
L37=Red+Blue

Contact Material:
C=Gold Over Silver

Seal:
E=EPOXY(std)
A=Sealed(std) S6-Bushing: B1、B2、B3、B6

S=RoHS & Lead Free Solderable

PACKAGE

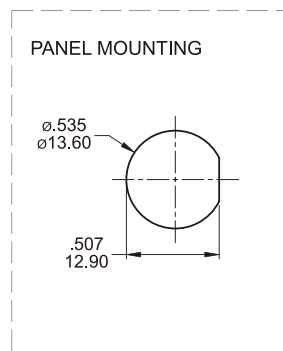
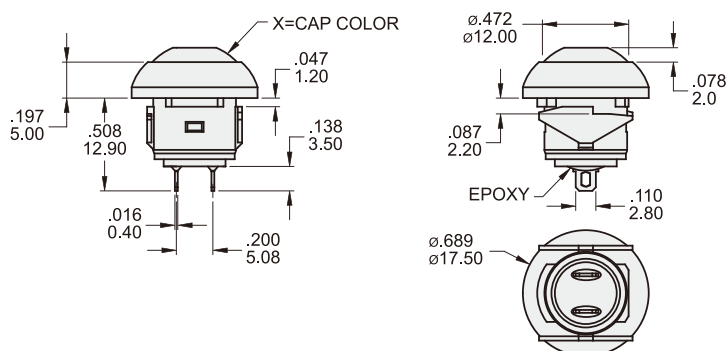
<Tray>
70 pcs.

SWITCH FUNCTION

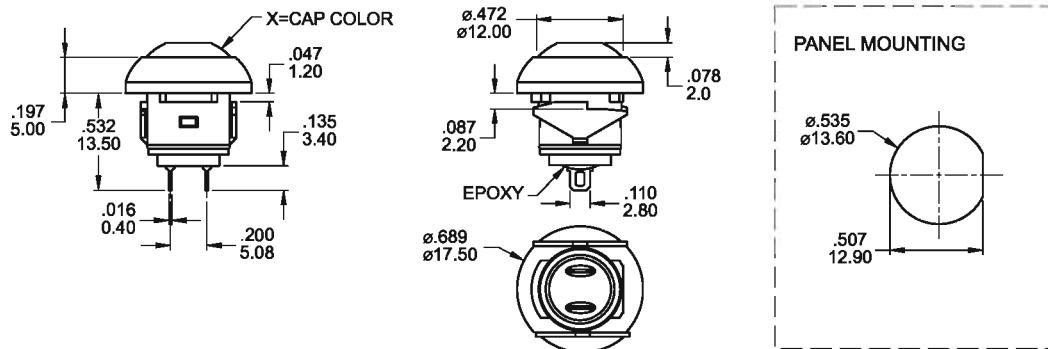
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS.1	POS.2	POS.1	POS.2	
SP	ZPAS6	OFF	(ON)	OPEN	1-3	
SP	ZPAS7	ON	(OFF)	1-3	OPEN	
SP	ZPAL6	OFF	ON	OPEN	1-3	

MOM=MOMENTARY

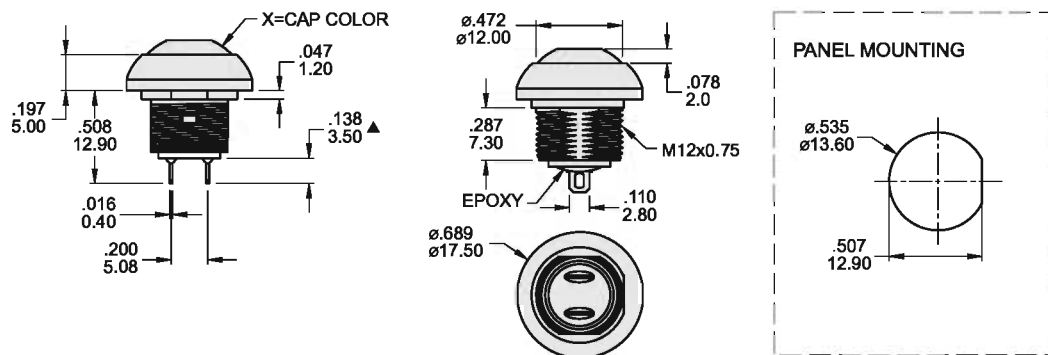
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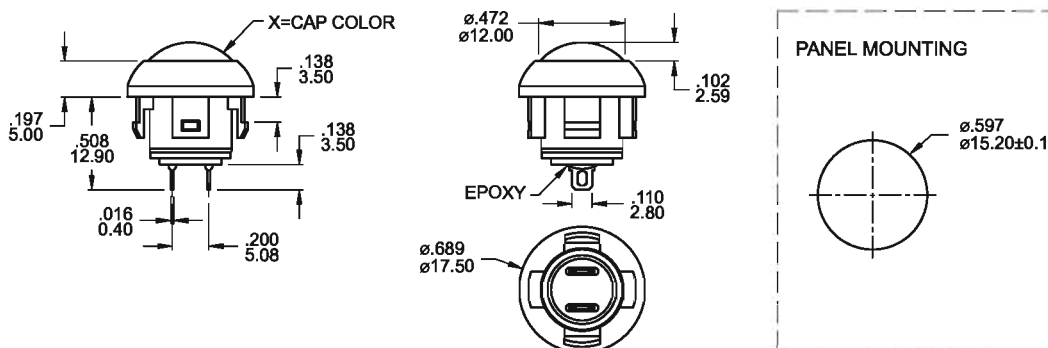
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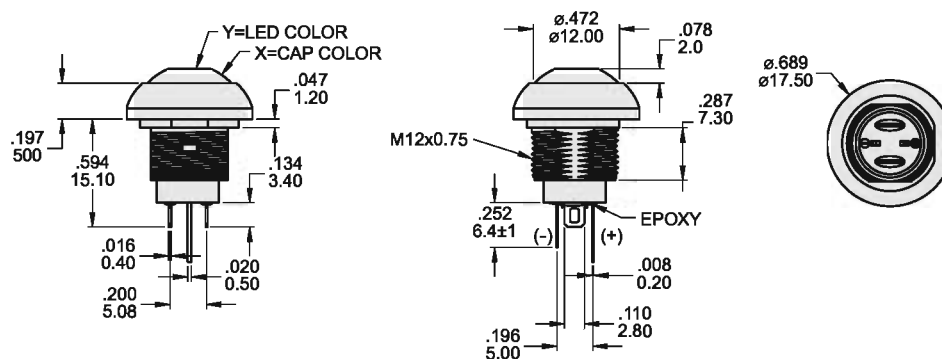
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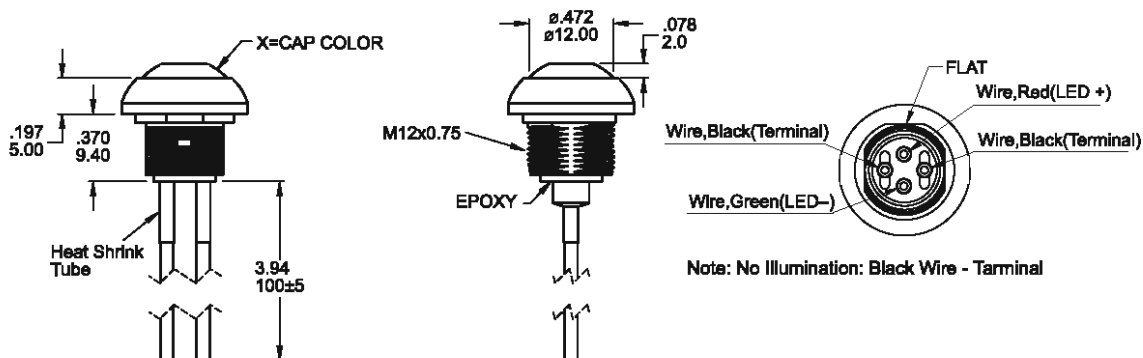
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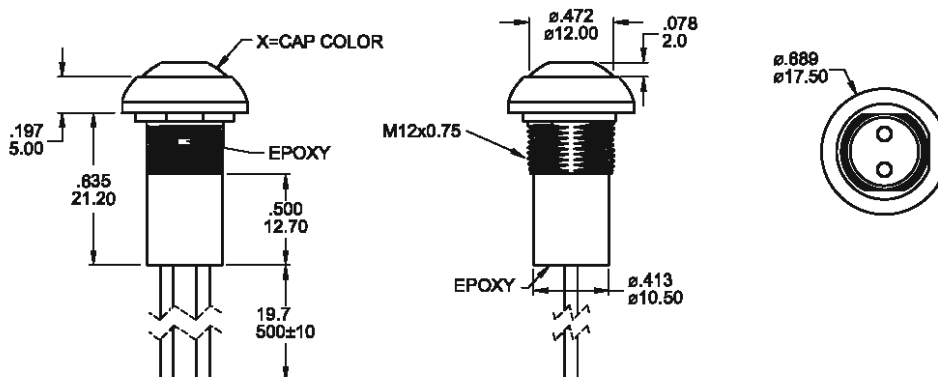
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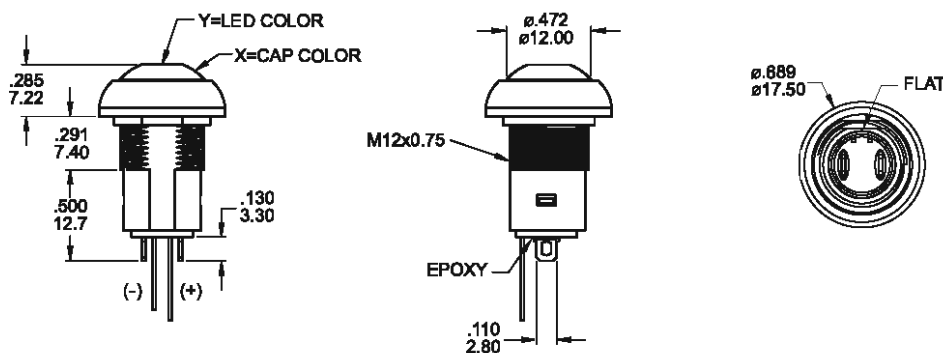
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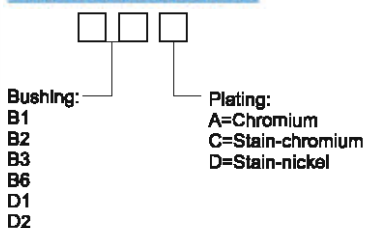
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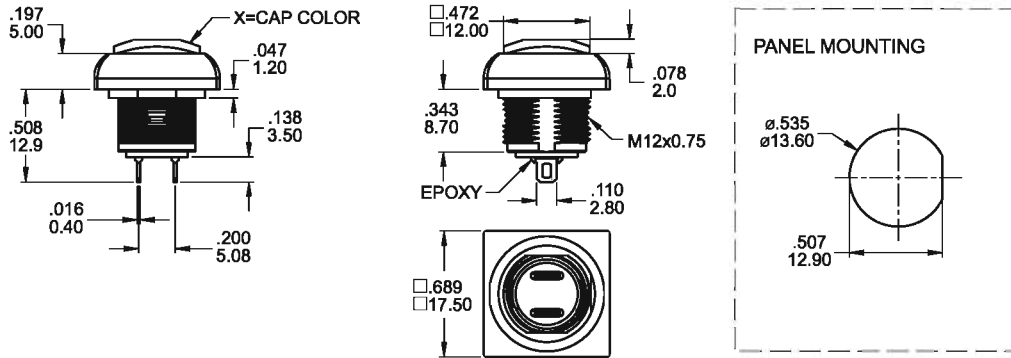
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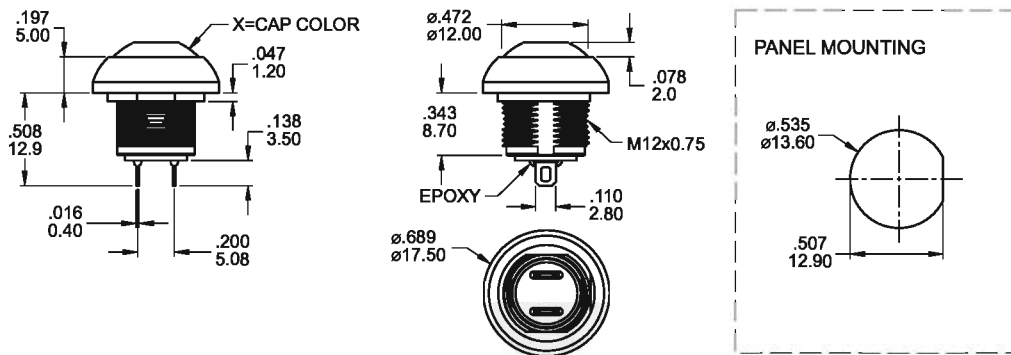
SWITCH FUNCTION



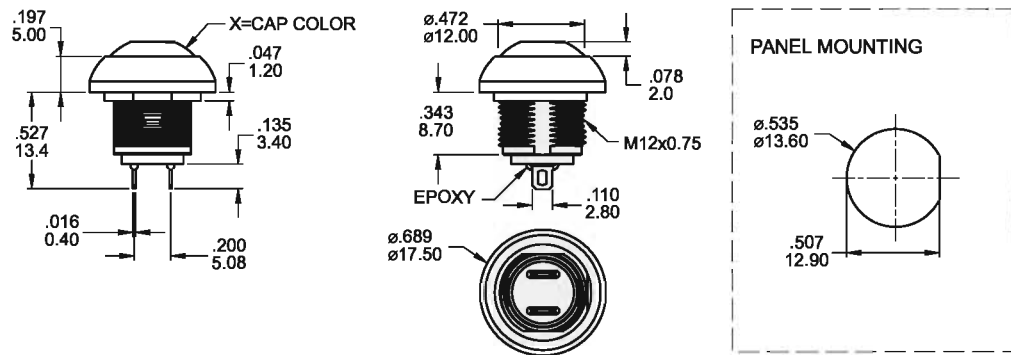
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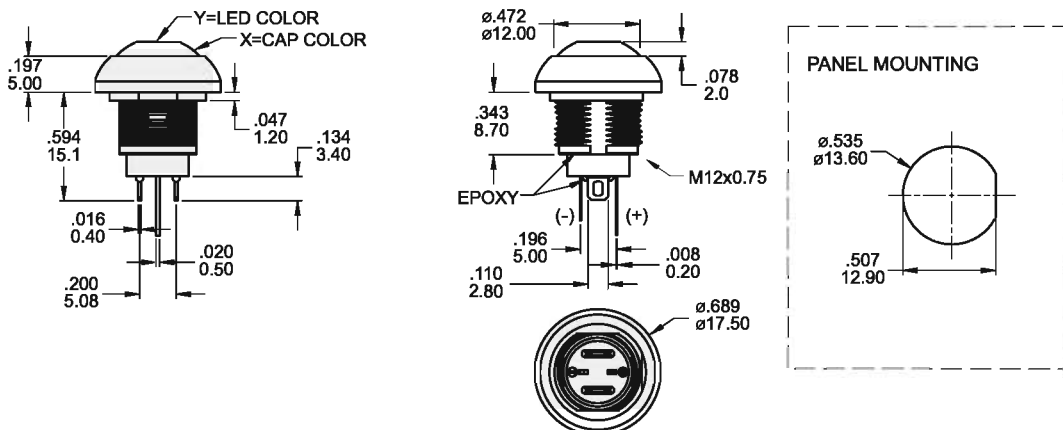
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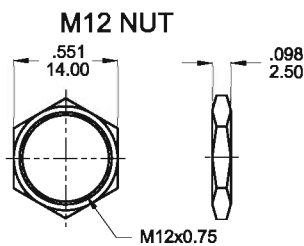
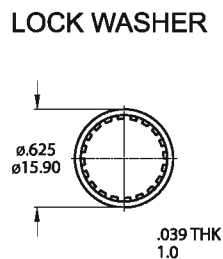
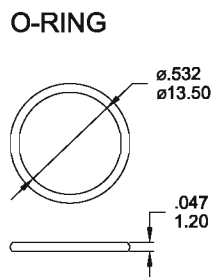
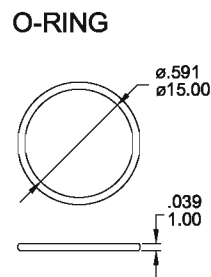
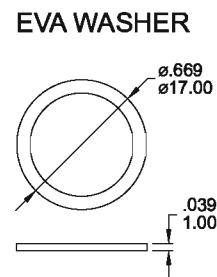


ZPAS7D2M1CESX-5



ZPAS6D2M1CESX-5LY



HARDWARE**MNU-PA03****MNU-1M09**Supplied for Threaded
bushing**FCP-A253**Supplied with PAL6 and
D1 / D2 / B6 options**FCP-P004**Supplied standard with
B3 options**FSU-PA01**Supplied standard with
B1 / B2 options**SOLDERING PROCESSES**

MANUAL SOLDERING: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

WAVE SOLDERING:

Recommended Soldering Temperature: 260 ± 5°C

Duration of Solder Immersion: Max 5 sec.

(PCB is 1.6mm in thickness)

IP 67 for the whole series:

Protected against the effects of immersion up to 1 m water(30min)

