



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, 32V AC-100mA, 50C DC-125mA, 125VAC	ZPA S6/S7
	500mA, 48V AC-200mA, 50C DC-200mA, 250VAC	
	100mA, 24V DC 2A, 125VDC	ZPA L6
Contact Resistance	50mΩ max.	
Insulation Resistance	1GΩ min. 500V DC	
Dielectric Strength	1,000V AC rms. 1,500V AC rms. for metal material.	
Operating Force	2N~5N	
Travel	1.5mm	ZPA S6/S7
	2.5mm	ZPA L6
Operating Life	500, 000 cycles	ZPA S6/S7
	200, 000 cycles(100mA, 24V DC)	ZPA L6
	10, 000 cycles(2A, 125VDC)	
Operating Temp.	-30°C ~ +85°C	

CIRCUIT

Model No.	POS. 1	POS. 2
		
PAL6	OFF	ON
Term. Comm.	OPEN	1-3
SCHEMATIC		

PACKAGE

<Tray>

50 pcs.

HOW TO ORDER

ZPA [] [] - [] [] - [] [] - [] - [] - [] - [] - [] - L - []

S6=SP Off-Mom
S7=SP On-Mom(Without LED)
L6=SP Off-On

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

Terminations: —
M1=Solder Lug
L1=Wire

Contact Material: —
C=Gold Over Silver

Seal: _____
E=EPOXY(std)
A=Sealed

Led Color:
1=White
3=Red
5=Yellow
6=Green
7=Blue

- Additional Hardware

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

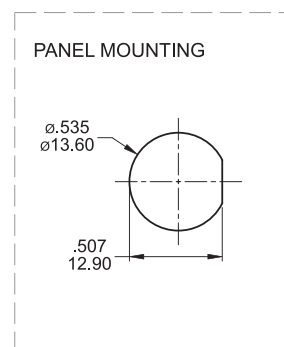
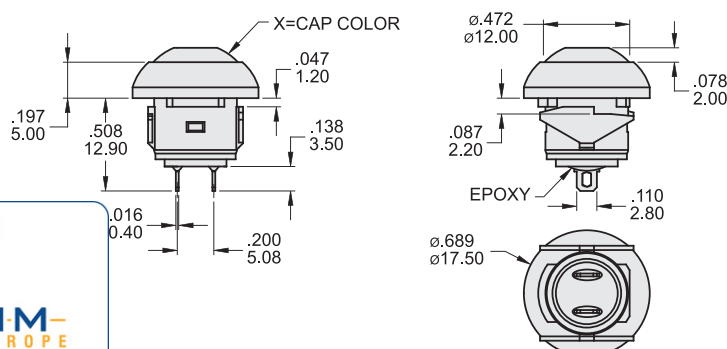
-S=RoHS & Lead Free Solderable
F=Halogen Free+RoHS

SWITCH FUNCTION

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

MOM=MOMENTARY

ZPAS6B1M1CESX-5

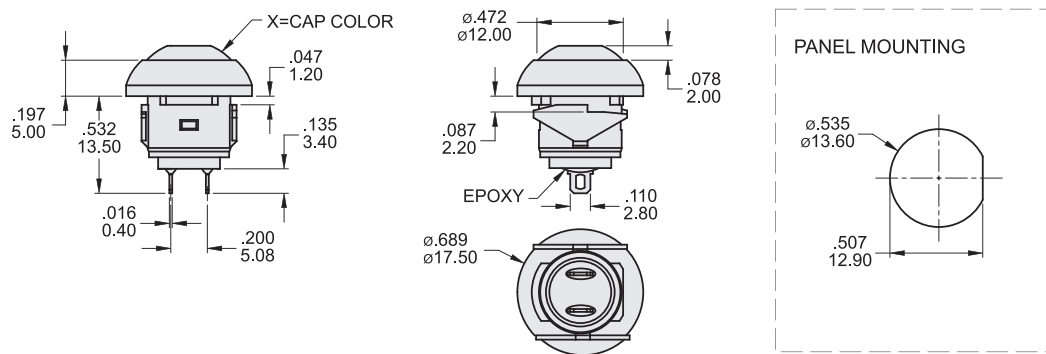


Distributed by:

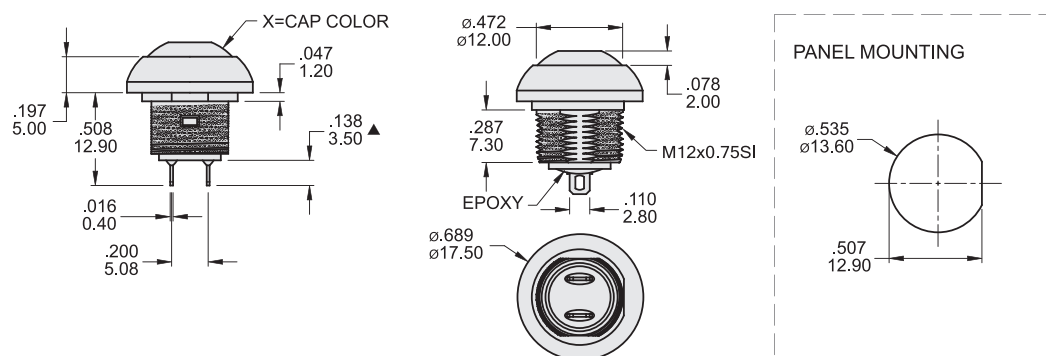


www.texim-europe.com

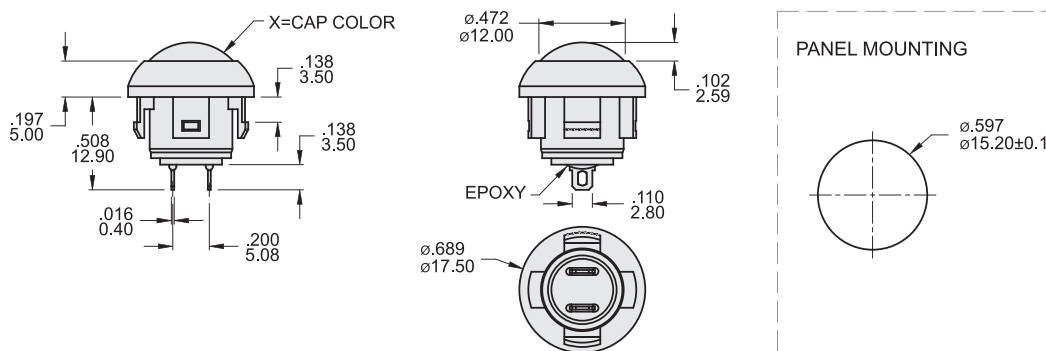
ZPAS7B1M1CESX-5



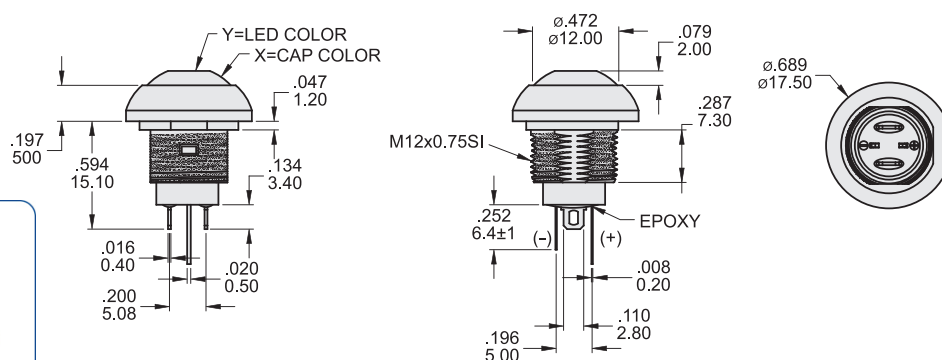
ZPAS6B2M1CESX-5



ZPAS6B3M1CESAX-5

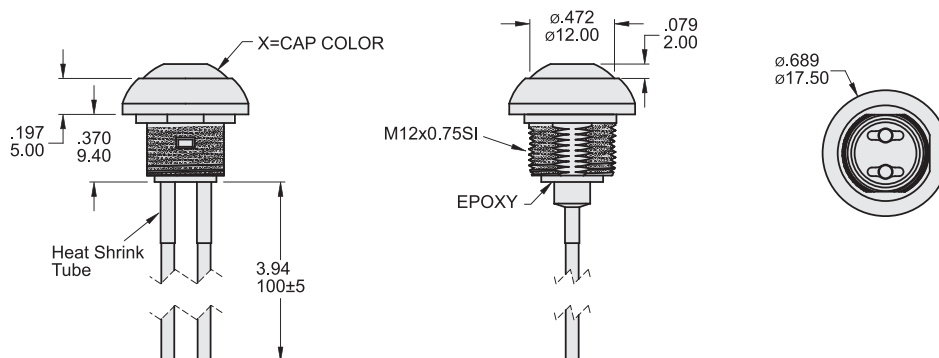
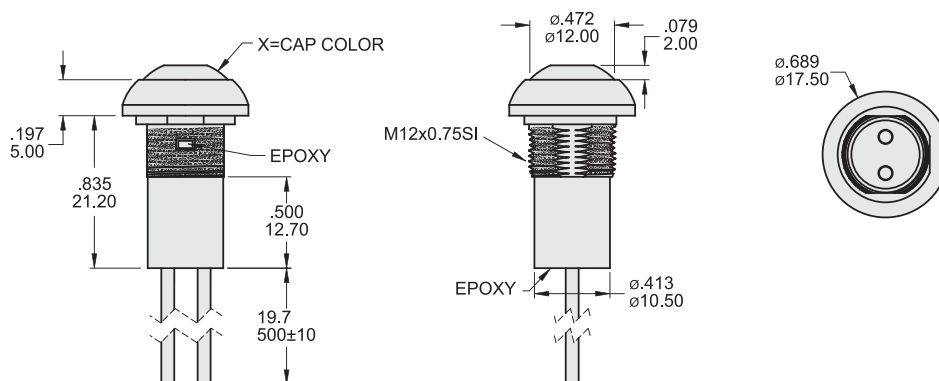
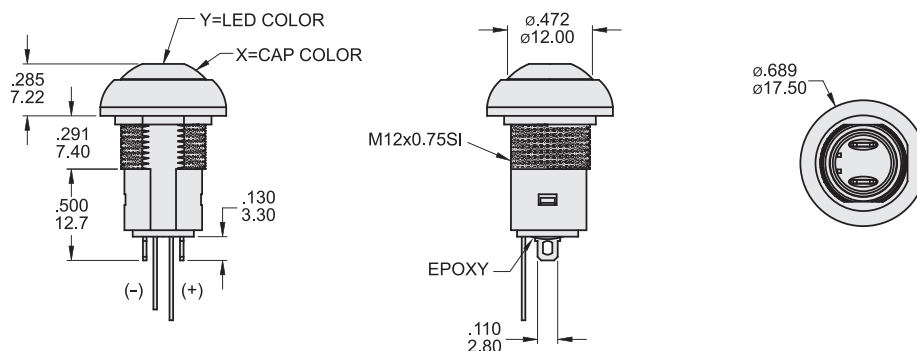
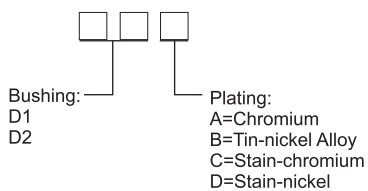


ZPAS6B2M1CESX-5LY



Distributed by:

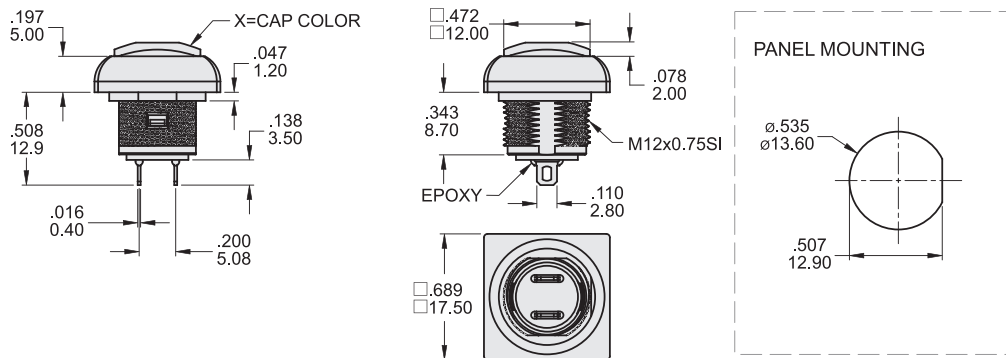


ZPAS6B2L3CESX-5**ZPAS6B2L1CASX-5****ZPAL6B2M1CESX-5LY****SWITCH FUNCTION**

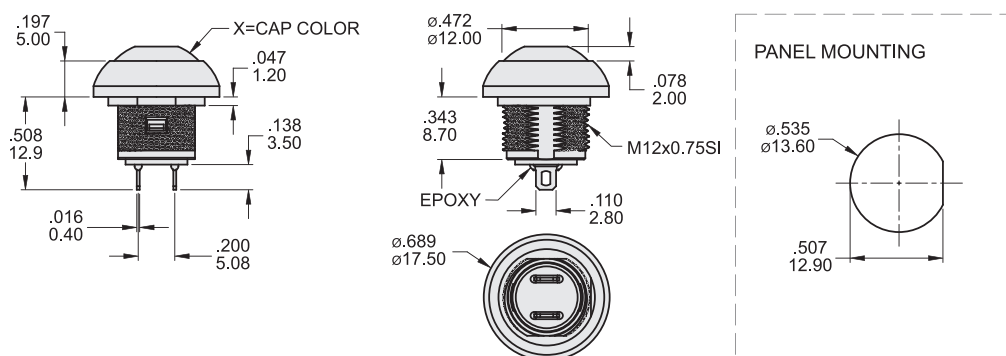
Distributed by:



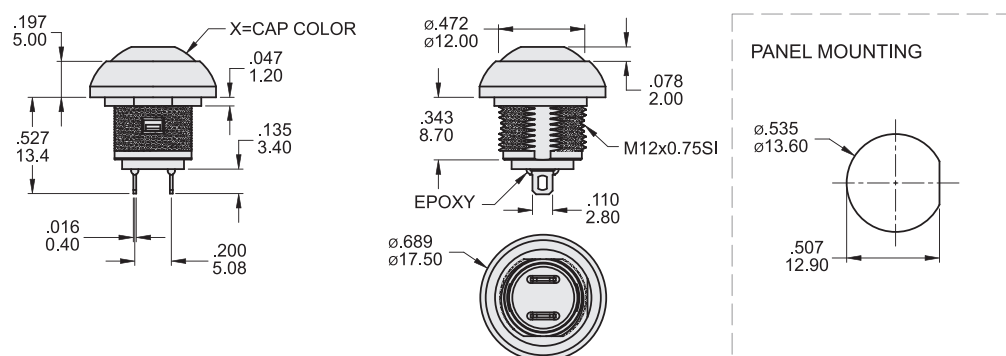
ZPAS6D1M1CESX-5



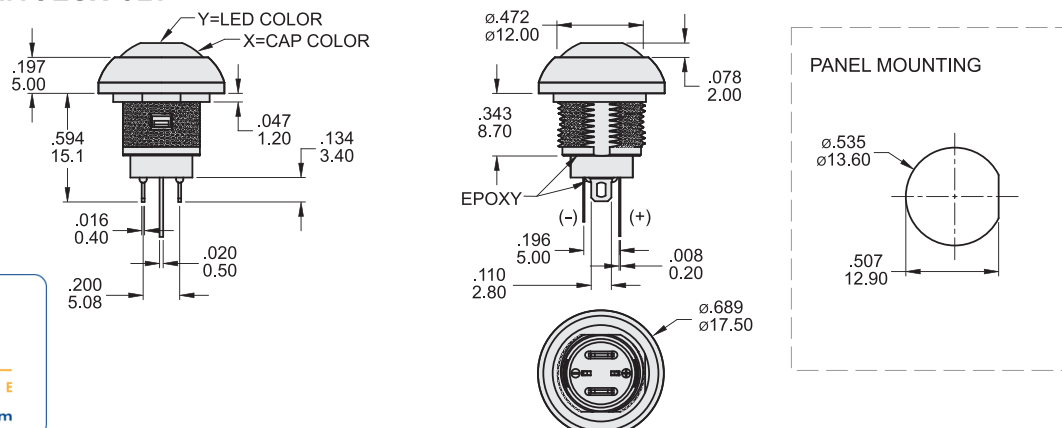
ZPAS6D2M1CESX-5



ZPAS7D2M1CESX-5



ZPAS6D2M1CESX-5LY

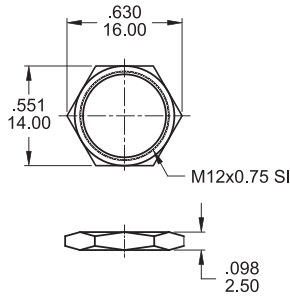


Distributed by:

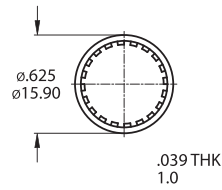


HARDWARE

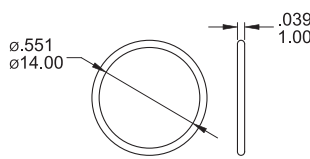
M12 NUT



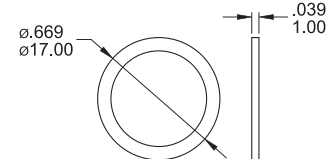
LOCK WASHER
HDW12



O-RING



RUBBER WASHER



WITH LED ELECTRO-OPTICAL DATA

* The LED specification for reference only

Model No.	Lens Appearance	Color	Electro-potical Data (AT 20mA)				Peak Wavelength	Viewing Angle 2Θ 1/2 (deg)	
			Vf (V)		Iv (mcd)				
			Typ.	Max.	Typ.	Min.			
ZPAS6 & ZPAS7	Water Clear	White	2.8	3.3	200	100	X / Y=0.27	35°	
		Super Red	2.0	2.5	700	200	645		
		Super Yellow	2.1	2.6	100	55	589		
		Super Green	2.2	2.7	130	70	565		
		Super Blue	3.1	3.6	1750		515		
		Super Yellow (Super Green)	Y	2	2.6		475		210
			G	2	2.6	210	140		570
		Super Yellow (Super Blue)	Y	2.1	2.6	200	94		590
			B	3.2	3.6	200	94		460
		Super Yellow (Super Red)	Y	2.1	2.6	100	63		590
			R	2	2.6	90	42		630
		Super Red (Super Green)	R	2	2.6	90	42		630
			G	2.0	2.6	90	42		570
		Super Red (Super Blue)	R	2	2.6	90	42		630
			B	3.2	3.6	200	94		460
		Super Green (Super Blue)	G	2.0	2.6	100	42		570
			B	3.2	3.6	200	94		460
ZPAL6	Water Clear	White	3.3	4	250	50	X=0.31 Y=0.31	90°	
		Super Red	1.95	2.5	350	70	635		
		Super Yellow	2	2.5	160	70	590		
		Super Green	2.1	2.5	70	18	570		
		Super Blue	3.3	4	150	36	470		
		Super Yellow (Super Green)	Y	2	2.5	170	50	170°	
			G	2.1	2.5	50	18		570
		Super Yellow (Super Red)	Y	1.95	2.5	220	70		630
			R	2	2.5	170	50		590
		Super Red (Super Green)	R	1.95	2.5	220	70		630
			G	2.1	2.5	50	18		570

Distributed by:



SOLDERING PROCESSES

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

WAVE SOLDERING:

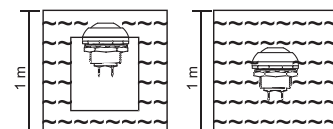
Recommended Soldering Temperature: 260 ± 5°C

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(30mn)



TEXIM EUROPE

Partner in Electronic Components & Supply Chain Solutions



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen
Tel: +31 (0)53 573 33 33
Fax: +31 (0)53 573 33 30
nl@texim-europe.com



Denmark

Nørregade 15
DK-9240 Nibe
Tel: +45 88 20 26 30
Fax: +45 88 20 26 39
nordic@texim-europe.com



Belgium

Gentsesteenweg 1154-C22
Chaussée de Gand 1154-C22
B-1082 Brussel / Bruxelles
Tel: +32 (0)2 462 01 00
Fax: +32 (0)2 462 01 25
belgium@texim-europe.com



United Kingdom

St. Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS
Tel: +44 (0)1522 789 555
Fax: +44 (0)845 299 22 26
uk@texim-europe.com



Germany

Justus-von-Liebig-Ring 7-9
D-25451 Quickborn
Tel: +49 (0)4106 627 07-0
Fax: +49 (0)4106 627 07-20
germany@texim-europe.com



Germany

Martin-Kollar-Strasse 9
D-81829 München
Tel: +49 (0)89 436 086-0
Fax: +49 (0)89 436 086-19
germany@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg
Tel: +43 (0)662 216026
Fax: +43 (0)662 216026-66
austria@texim-europe.com

Texim Europe B.V.

Elektrostraat 17
NL-7483 PG Haaksbergen
Tel: +31 (0)53 573 33 33
info@texim-europe.com
www.texim-europe.com

