

**NEW!**

# FP Series Sealed Ultra Miniature Pushbutton Switches

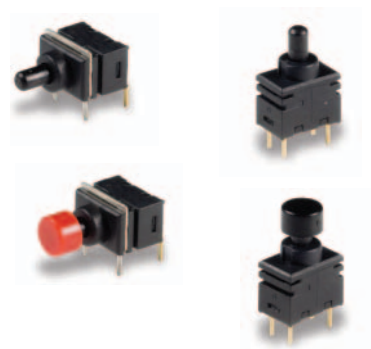


## Features/Benefits

- Vertical and right angle mount
- Extended operating life 50,000 cycles
- Optional caps
- Sealed against soldering and cleaning processes
- RoHS compliant

## Typical Applications

- Networking equipment
- Modems
- Reset functions
- Instrumentation



## Specifications

CONTACT RATING: Max. 0.4 VA (28 V DC or V AC).  
ELECTRICAL LIFE: 50,000 cycles.  
CONTACT RESISTANCE: (10mA @ 2 V DC) 80 mΩ max. initial.  
INSULATION RESISTANCE: 500MΩ min. @ 500 V DC - 1 minute.  
OPERATING TEMPERATURE: -20°C to 80°C.  
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9.  
PACKAGING:  
Tray pack - 100 switches per tray.  
Caps (optional) - Bulk bag; 100 caps per bag.

## Materials

MOVABLE CONTACTS:  
Base metal: Phosphor bronze  
Plating: Gold over nickel plate  
FIXED CONTACTS:  
Base metal: Brass  
Plating: Gold over nickel plate  
COVER: PA66 - Black  
ACTUATOR: PPS - Black  
BASE: PPS - Black  
SUPPORT BRACKET (A1 Terminal Style only): Steel with tin plate

**NOTE:** Specifications and materials listed above are for switches with standard options.  
For information on specific and custom switches, consult Customer Service Center.

## Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-108 thru A-109. For additional options not shown in catalog, consult Customer Service Center.

|                    |          |          |          |                           |          |                               |  |                           |          |                   |          |                                                                                                   |  |
|--------------------|----------|----------|----------|---------------------------|----------|-------------------------------|--|---------------------------|----------|-------------------|----------|---------------------------------------------------------------------------------------------------|--|
| <b>F</b>           | <b>P</b> | <b>1</b> | <b>1</b> | <b>S</b>                  | <b>P</b> |                               |  | <b>B</b>                  | <b>1</b> | <b>T</b>          | <b>P</b> |                                                                                                   |  |
| <b>Designation</b> |          |          |          | <b>Actuator Length</b>    |          | <b>Terminal Style</b>         |  | <b>Contact Plating</b>    |          | <b>Packaging</b>  |          | <b>Cap</b>                                                                                        |  |
| FP11 SPST N.O.     |          |          |          | SP Standard plunger 3.3mm |          | C1 Vertical<br>A1 Right Angle |  | B1 Gold over nickel plate |          | TP Tray packaging |          | 00 No cap<br>01 White cap - bulk bagged<br>02 Black cap - bulk bagged<br>03 Red cap - bulk bagged |  |



Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

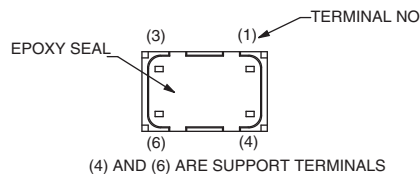
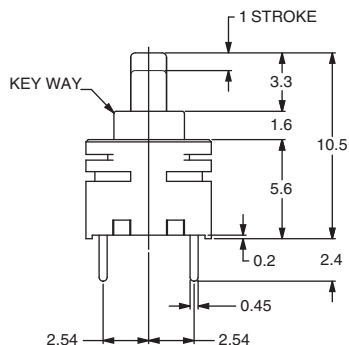
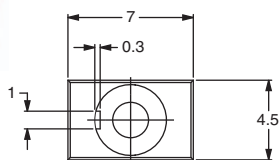


Pushbutton  
A

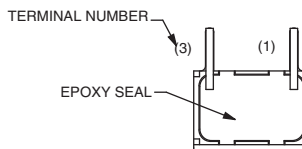
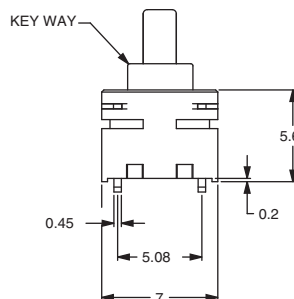
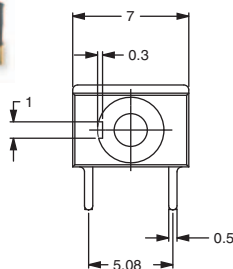
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## SWITCH FUNCTION

**C1** VERTICAL



**A1** RIGHT ANGLE



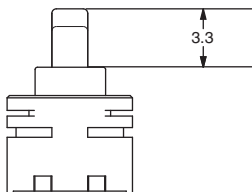
| MODEL NO. | SWITCH FUNCTION     |        |
|-----------|---------------------|--------|
|           | POS. 1              | POS. 2 |
| FP11      |                     |        |
|           | OFF                 | MOM    |
|           | CONNECTED TERMINALS |        |
|           | OPEN                | 1-3    |



SCHEMATIC SPST

## ACTUATOR LENGTH

**SP** STANDARD PLUNGER 3.3MM



Third Angle  
Projection

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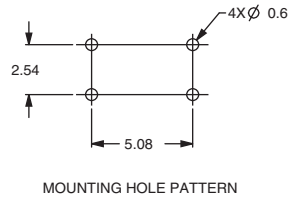
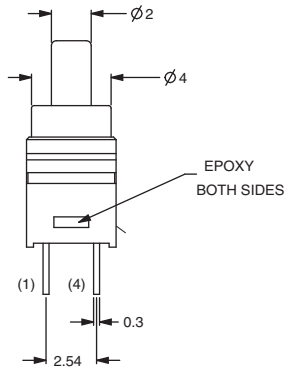


**A**

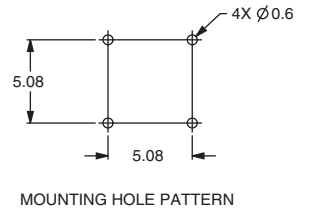
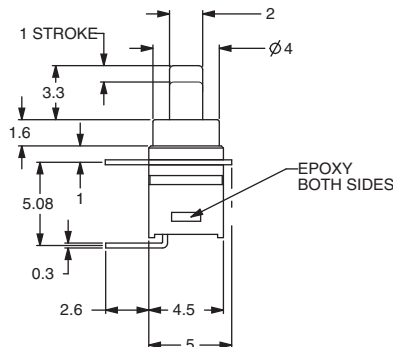
Pushbutton

## TERMINAL STYLE

**C1** VERTICAL



**A1** RIGHT ANGLE



## CONTACT PLATING

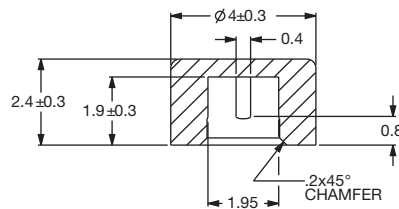
**B1** GOLD OVER NICKEL PLATE

## PACKAGING

**TP** TRAY PACKAGING

## CAPS

| OPTION CODE | DESCRIPTION            |
|-------------|------------------------|
| <b>00</b>   | NO CAP                 |
| <b>01</b>   | WHITE CAP, BULK BAGGED |
| <b>02</b>   | BLACK CAP, BULK BAGGED |
| <b>03</b>   | RED CAP, BULK BAGGED   |



To purchase Caps separately without switch,  
please use these part numbers

| PART #    | COLOR |
|-----------|-------|
| 798D01000 | WHITE |
| 798D02000 | BLACK |
| 798D03000 | RED   |



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