

## **Pushbutton Switches, Tiny, Part Number Matrix**

## **Material Specifications:**

Contacts: Gold – gold plate, silver- silver plate Case Material: High temperature polyester

Actuator Material: Polyamide

Terminals/Fixed Contacts: Tin lead plate Terminal Seal: SP epoxy, DP epoxy optional

# **Environmental Specifications:**

Operating Temperature: -22°F to + 149°F

 $(-30^{\circ}C \text{ to } + 65^{\circ}C)$ 

Storage Temperature: -22°F to + 149°F

 $(-30^{\circ}C \text{ to } + 65^{\circ}C)$ 

## **Typical Performance Characteristics:**

Contacts Rating: Gold 0.4 VA Max. @ 20 VDC or peak AC

Silver: 1A @ 125 VAC or 28 VDC resistive

Initial Contact Resistance: 20 Milliohms max.

Contact Timing: Break-before-make

Insulation Resistance: 1,000 Megohms @ 500 VDC min.

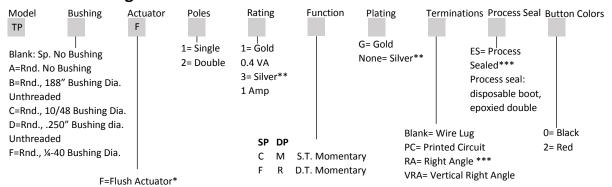
Dielectric Strength: 1,000 Volts @ sea level

Actuation Force: 500 to 400 Grams Plunger/Actuator Travel: 030" (.762)

Life Expectancy: See Below

Note: Hardware included with switches

#### **Part Numbering Matrix:**



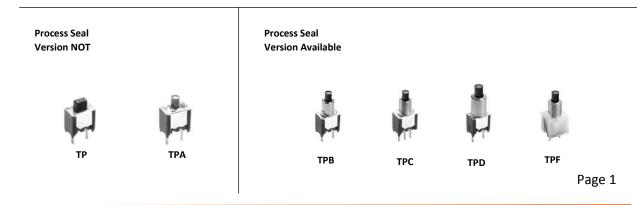
- \* Available with "B" and "C" bushing only
- \*\* Silver available only in wire lug and PC termination
- \*\*\* Right angle, ES available with "B" and "C" bushing only
- \*\*\*\* Available only in single pole

#### **Application Note:**

For 3 pole and 4 pole, refer to pages D22 and D24... "MP Series" For surface mount termination, refer to pages D3-D5... "TSP Series"

ES switches provided with disposable boot used only during cleaning operation

TP Series Life Expectancy Chart								
Pushbuttons	1 Pole	2Pole						
0.4 (gold Plate)	100,000	80,000						
1A (Silver Plate)	60,000	50,000						



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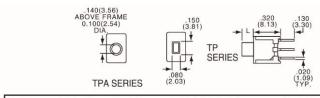
Dimensions in millimetres unless otherwise specified

Dimensions Shown for reference purposes only. Specifications subject to change

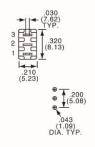


#### Pushbutton Switches, Tiny, Straight or Right Angle, Single or Dual Actuators

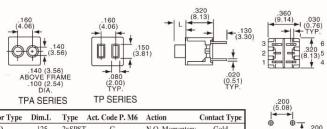
See Page 1 for Product Specifications



mp. ( ) o op o ()	1727					
TP11CGPC(*)	SQ.	.125	SPST	С	N.O. Momentary	Gold
TP11FGPC(*)	SQ.	.125	SPDT	F	Momentary	Gold
TPA11CGPC(*)	RND.	.150	SPST	C	N.O. Momentary	Gold
TPA11FGPC(*)	RND.	.150	SPDT	F	Momentary	Gold





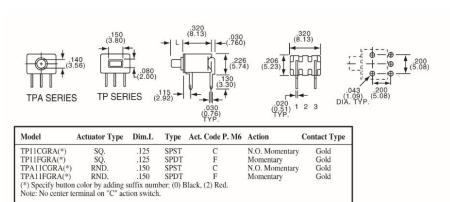


Model	Actuator Type	Dim.L	Type	Act. Code P. M6	Action	Contact Type
TP21CCGPC(*)	SO.	.125	2xSPST	. C	N.O. Momentary	Gold
TPA21CCGPC(*)	RND.	.150	2xSPST	C	N.O. Momentary	Gold
TPA21FFGPC(*)	RND.	.150	2xSPD	ΓF	Momentary	Gold
(*) Specify button Note: No center to	color by adding s	suffix num	ber: (0) B		Momentary	Cold





TP21CCGPC0



SPST/SPDT

TPAIICGRA

TPIICGRA

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n for For Email, phone or live chat, go to: www.te.com/help

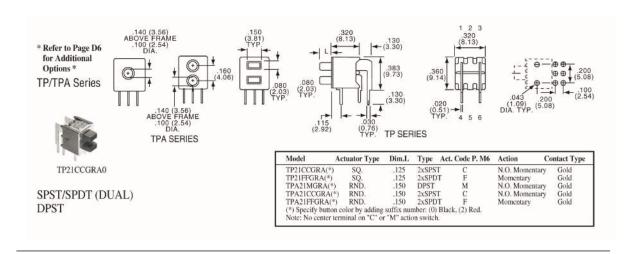
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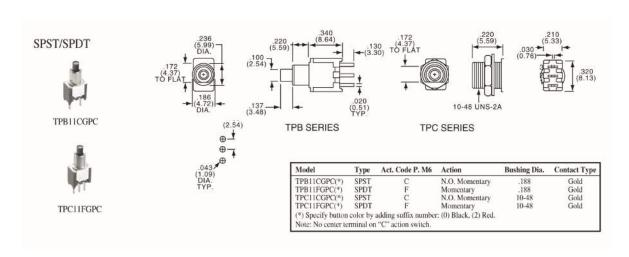
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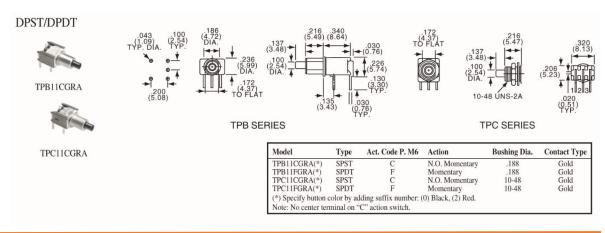


# Pushbutton Switches, Tiny, Straight or Right Angle, Single or Dual Actuators See Page 1 for Product Specifications



#### Pushbuttons, Tiny, Straight or Right Angle, Unthreaded or 10-48 Bushings





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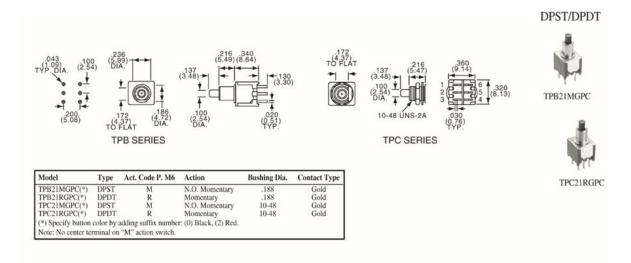
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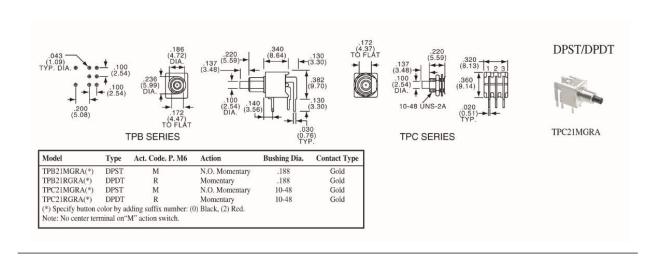
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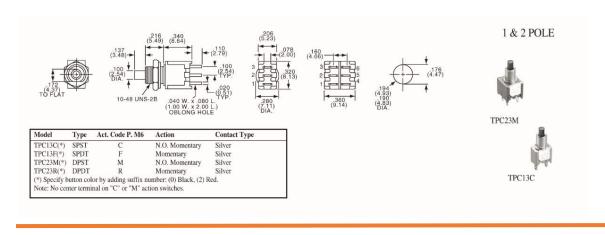


#### Pushbuttons, Tiny, Straight or Right Angle, Unthreaded or 10-48 Bushings

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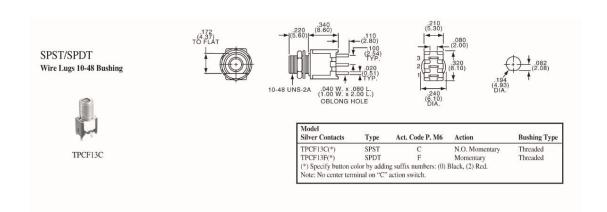
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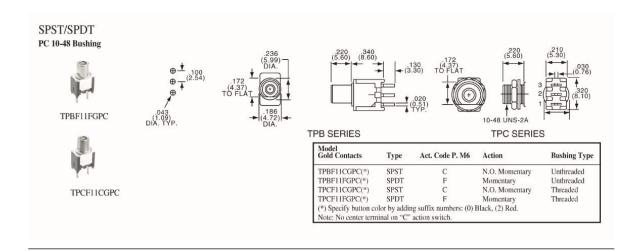
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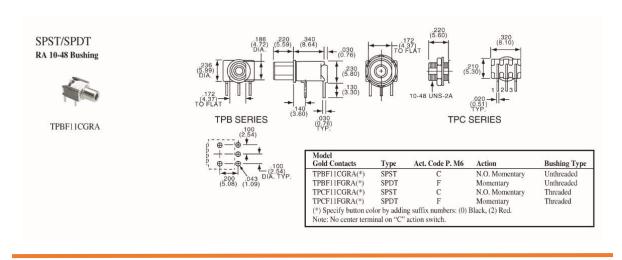
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#### Pushbutton Switches, Tiny, Straight or Right Angle Flush Actuator See Page 1 for Product Specifications







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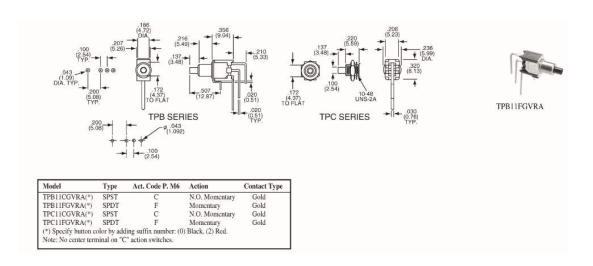
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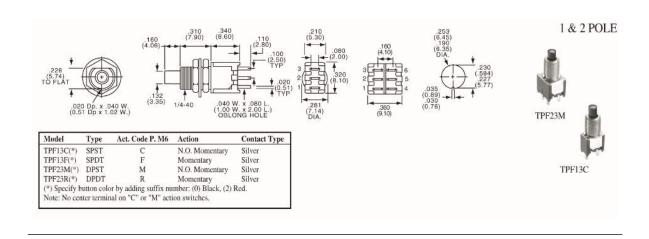
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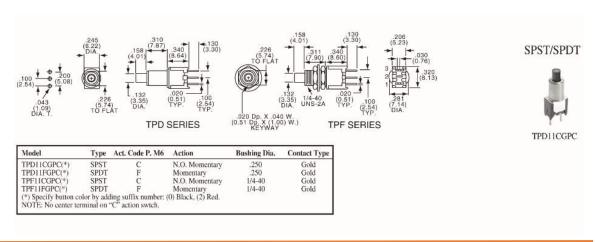


# Pushbuttons, Tiny, Vertical Right Angle, Unthreaded or 10-48 Bushings See Page 1 for Product Specifications



#### Pushbuttons, Tiny, Vertical, Unthreaded, or 1/4 - 40 Bushings





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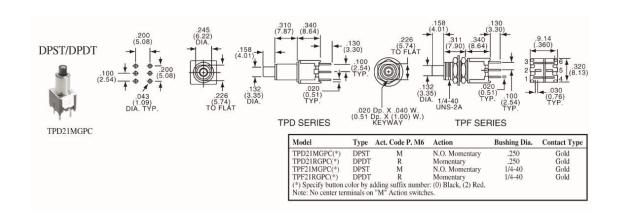
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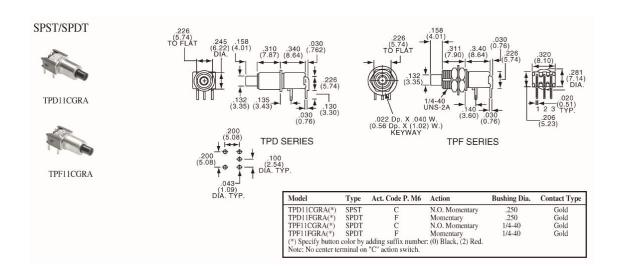
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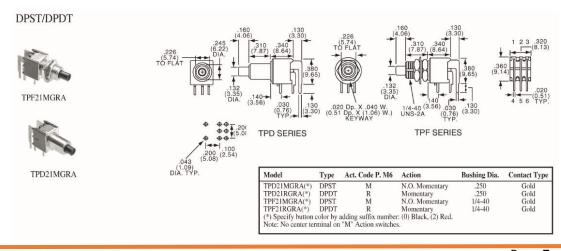
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#### Pushbutton Switches, Tiny, Vertical or Right Angle, Unthreaded ¼ to 40 Bushing







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