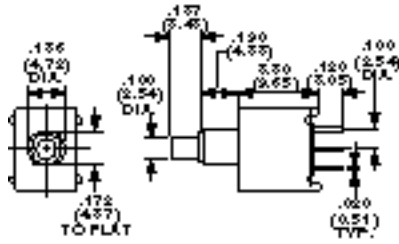




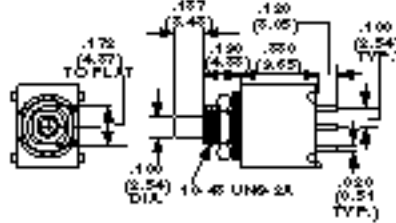
# Process Sealed for Washing **TP-ES Series**

Refer to page D29 for other Options

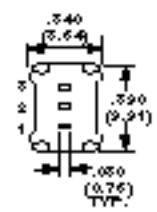
SEE PAGE D26 FOR PRODUCT SPECIFICATIONS



TPB SERIES



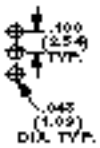
TPC SERIES



SPST/SPDT



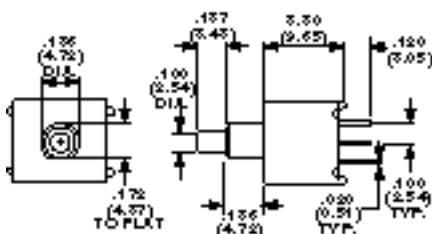
TPB11CGPCES



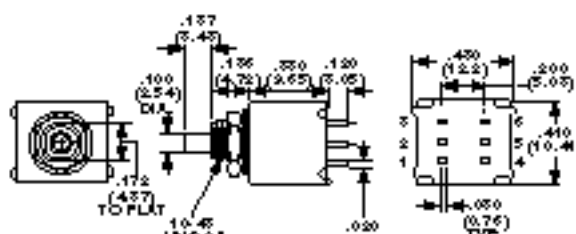
TPC11CGPCES

Model					
TPB11FGPCES(*)	SPDT	F	Momentary	.188	Gold
TPC11CGPCES(*)	SPST	C	N.O. Momentary	10-48	Gold
TPC11FGPCES(*)	SPDT	F	Momentary	10-48	Gold

(\*) Specify button color by adding suffix number: (0) Black, (2) Red, (6) Blue.  
 Note: No center terminal on "C" action switch.



TPB21M SERIES



TPC21M SERIES



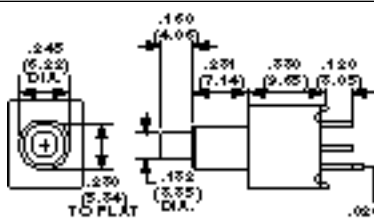
DPST/DPDT



TPB21RGPCEs

Model					
TPB21M					
TPB21R					
TPC21MGPCEs(*)	DPST	M	N.O. Momentary	10-48	Gold
TPC21RGPCEs(*)	DPDT	R	Momentary	10-48	Gold

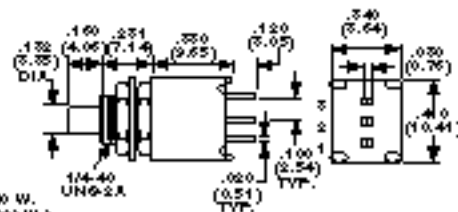
(\*) Specify button color by adding suffix number: (0) Black, (2) Red, (6) Blue.  
 Note: No center terminal on "M" action switch.



TPD SERIES



TPF SERIES



SPST/SPDT



TPD11CGPCES



TPF11CGPCES

Model					
TPD1					
TPD1					
TPF1					
TPF11FGPCES(*)	SPDT	F	Momentary	.250	Gold

(\*) Specify button color by adding suffix number: (0) Black, (2) Red, (6) Blue.  
 Note: No center terminal on "C" action switch.

Need more technical information?  
 Contact your local ABE office--(800) 453-1692--or AboveBoardElectronics.com.

Above Board Electronics  
 1918 Junction Avenue  
 San Jose, CA 95131

# TP-ES Series *Tiny Pushbutton With Process Seal and "Flush Plunger"*



## MATERIAL SPECIFICATIONS:

Contacts.....Gold over nickel barrier  
 Case Material .....High temperature polyester  
 Actuator Material.....Polyamide  
 Terminals/Fixed Contacts.....Tin lead plate  
 Terminal Seal.....Epoxy  
 Process Seal.....Disposable boot, epoxied double case

## TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....0.4 VA Max. @ 28 VDC or peak AC  
 Initial Contact Resistance.....20 Milliohms max.  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....1,000 Megohms @ 500 VDC min.  
 Dielectric Strength .....1,000 Volts RMS @ sea level  
 Actuation Force.....50 to 400 Grams  
 Plunger/Actuator Travel ......030" (.762)  
 Life Expectancy .....See page D29

## ENVIRONMENTAL SPECIFICATIONS:

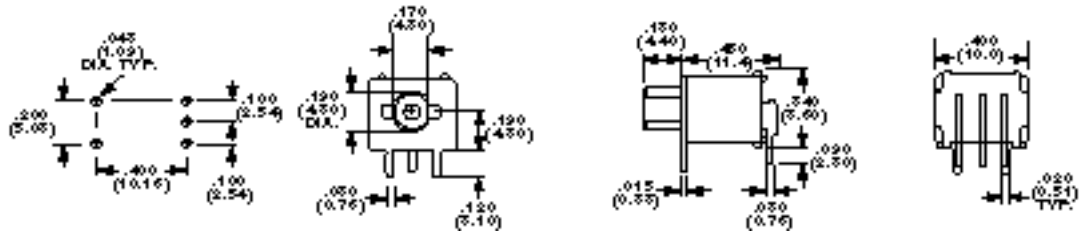
Operating Temperature..... -22°F to +149°F (-30°C to +65°C)  
 Storage Temperature..... -22°F to +149°F (-30°C to +65°C)  
 Solder Heat Resistance ..... See page M6-7

Application Note:.....Each switch is provided with a disposable boot used only during the cleaning operation.

## SPST/SPDT



TPBF11CGRAESO



TPBF Series

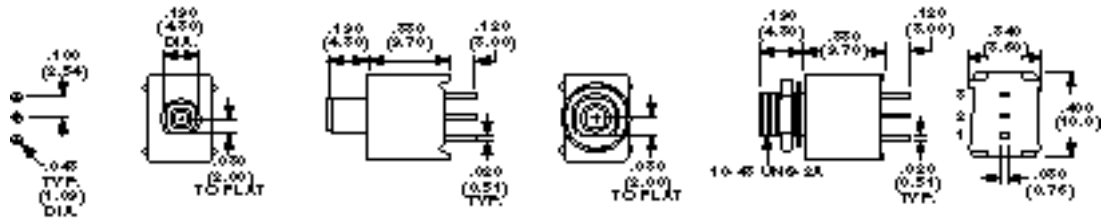
Model	Type	Act. Code P. M9	Action
TPBF11CGRAES(*)	SPST	C	N.O. Momentary
TPBF11FGRAES(*)	SPDT	F	Momentary

(\*) Specify button color by adding suffix numbers: (0) Black, (2) Red, (6) Blue, (9) White.

## SPST/SPDT



TPBF11CGPCES



TPBF Series

TPCF Series

Model	Type	Act. Code P. M9	Action
TPBF11CGPCES(*)	SPST	C	N.O. Momentary
TPBF11FGPCES(*)	SPDT	F	Momentary
TPCF11FGPCES(*)	SPDT	F	Momentary

(\*) Specify button color by adding suffix numbers: (0) Black, (2) Red, (6) Blue, (9) White.  
 Note: No center terminal on "C" action switch.

