

# TSS-PC Series *Slide Switches for PC Termination* *"Vertical Single/Dual Actuators"*

## MATERIAL SPECIFICATIONS:

Contacts.....Copper w/gold plate over nickel  
 Case Material .....High temperature polyester (94-VO)  
 Actuator Material.....Polyester (94-VO)  
 Terminals .....Copper w/gold over nickel  
 Terminal Seal .....Epoxy standard: single pole, optional: double pole

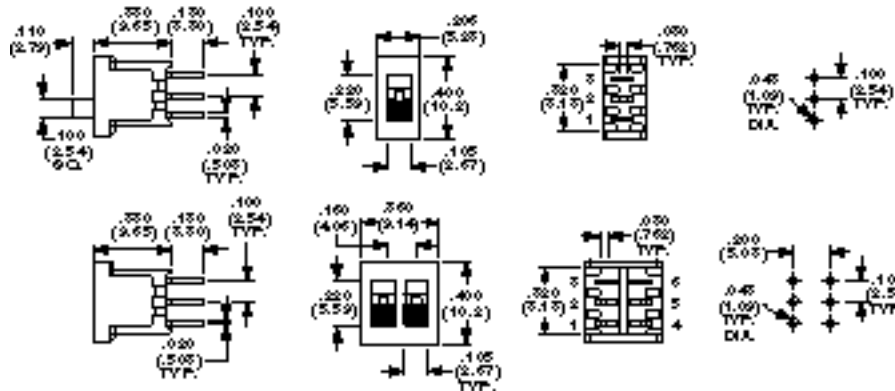
## TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....Gold: 0.4 VA max. @ 20 VDC or peak AC  
 Initial Contact Resistance.....20 Milliohms max.  
 Contact Timing .....Non-shorting  
 Insulation Resistance .....1,000 Megohms min. @ 500 VDC  
 Dielectric Strength .....1,000 Volts RMS @ sea level  
 Plunger/Actuator Travel ......120"  
 Life Expectancy .....60,000-80,000 Cycles

## ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to + 176°F (-20°C to + 80°C)  
 Storage Temperature.....-4°F to + 176°F (-20°C to + 80°C)

## SPST/SPDT



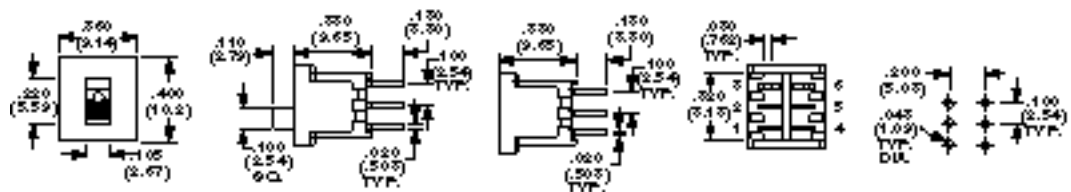
## SPST/SPDT (DUAL)



Model	Type	Act. Code	P. M8	On	None	Off	Model	Type	Act. Code	P. M8	On	None	Off
TSS11AGPC	SPDT	A		On	None	Off	TSD21AAGPC	2 x SPST	A		On	None	Off
TSS11DGPC	SPDT	D		On	None	On	TSD21DDG1PC	2 x SPDT	D		On	None	On
TSS11EGPC	SPDT	E		On	Off	On							
TSS11AA1PC	SPST	A		On	None	Off							
TSS11DG1PC	SPDT	D		On	None	On							
TSS11EG1PC	SPDT	E		On	Off	On							

Note: No center terminals on "A" action switches.

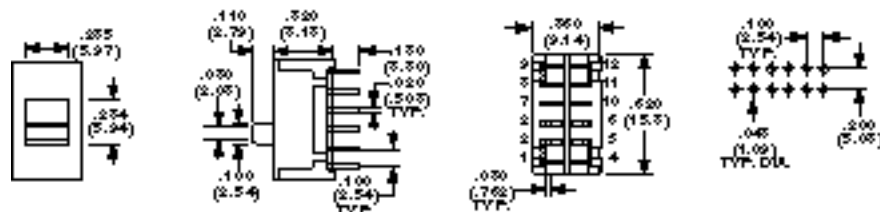
## DPST/DPDT



Model	Type	Act. Code	P. M8	On	None	Off	Model	Type	Act. Code	P. M8	On	None	Off
TSS21KGPC	DPST	K		On	None	Off	TSS21KG1PC	DPST	K		On	None	Off
TSS21NGPC	DPDT	N		On	None	On	TSS21NG1PC	DPDT	N		On	None	On
TSS21PGPC	DPDT	P		On	Off	On	TSD21NG1PC	DPDT	P		On	Off	On

Note: No center terminals on "K" action switches.

## 4PDT



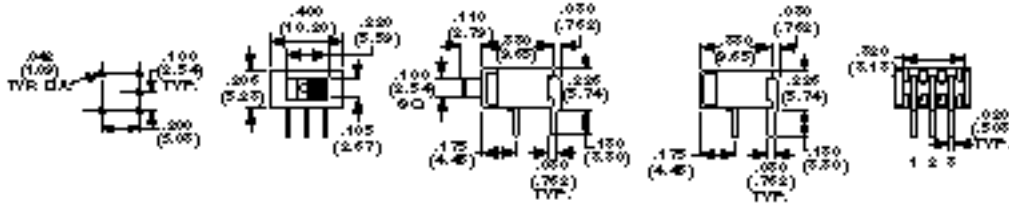
Model	Type	Act. Code	P. M8	On	None	Off
TSS41NGPC	4PDT	N		On	None	On

# Slide Switches for PC Termination "Right Angle Single/Dual Actuators"

# TSS-RA Series

SEE PAGE B18 FOR PRODUCT SPECIFICATIONS

## SPDT



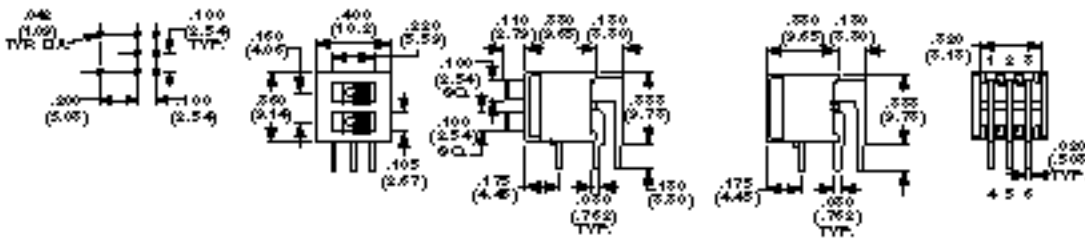
TSS11DGRA



TSS11DG1RA

Model	Type	Act. Code	P. M8				Model	Type	Act. Code	P. M8			
TSS11DGRA	SPDT	D	On	None	On	TSS11DG1RA	SPDT	D	On	None	On		
TSS11EGRA	SPDT	E	On	Off	On	TSS11EG1RA	SPDT	E	On	Off	On		

## SPDT (DUAL)



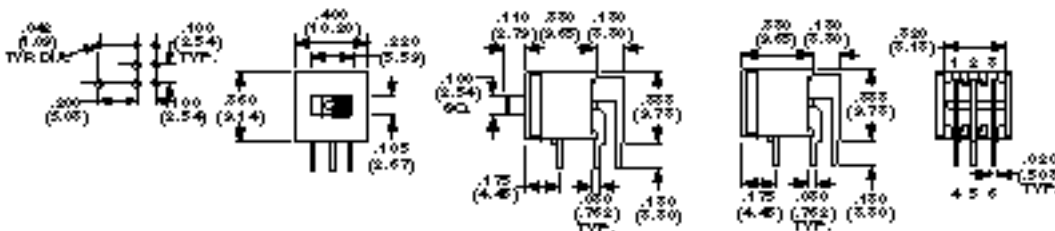
TSD21DDGRA



TSD21DDG1RA

Model	Type	Act. Code	P. M8				Model	Type	Act. Code	P. M8			
TSD21DDGRA	2 x SPDT	D	On	None	On	TSD21DDG1RA	2 x SPDT	D	On	None	On		
TSD21EEGRA	2 x SPDT	E	On	Off	On	TSD21EEG1RA	2 x SPDT	E	On	Off	On		

## DPDT



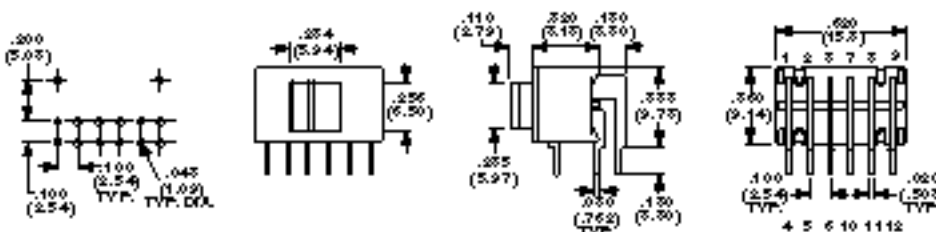
TSS21NGRA



TSS21PG1RA

Model	Type	Act. Code	P. M8				Model	Type	Act. Code	P. M8			
TSS21PAGRA	DPDT	PA	On	On	On	TSS21NG1RA	DPDT	N	On	Off	On		
TSS21NGRA	DPDT	N	On	None	On	TSS21PG1RA	DPDT	P	On	Off	On		
TSS21PGRA	DPDT	P	On	Off	On								

## 4PDT



TSS41NGRA

Model	Type	Act. Code	P. M8			
TSS41NGRA	4PDT	N	On	None	On	

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

# AS Series *Space-Saver/Slide Switches/Gold Contacts Standard*

## MATERIAL SPECIFICATIONS:

Contacts.....Gold over nickel  
 Frame Material.....Nickel over copper alloy  
 Case Material .....Thermoplastic UL 94V0  
 Actuator Material.....Thermoplastic  
 Terminals/Fixed Contacts:.....Gold over nickel  
 Terminal Seal.....Epoxy

## TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....0.4 VA Max. @ 20 VDC or peak AC  
 Initial Contact Resistance.....50 Milliohms max.  
 Contact Timing.....Break before make  
 Insulation Resistance .....1,000 Megohms min. @ 500 VDC  
 Dielectric Strength .....500 VAC  
 Actuation Force.....70 to 500 Grams  
 Life Expectancy .....10,000 Cycles

## ENVIRONMENTAL SPECIFICATIONS:

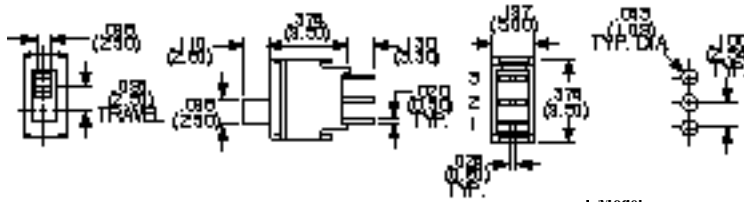
Operating Temperature.....-4°F to +176°F (-20°C to +80°)  
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)  
 Solder Heat Resistance .....MIL-STD-202, Method 210

**NOTICE: Space saver DPDT action in a single pole case size.**

### 1 POLE



AS1DGPC

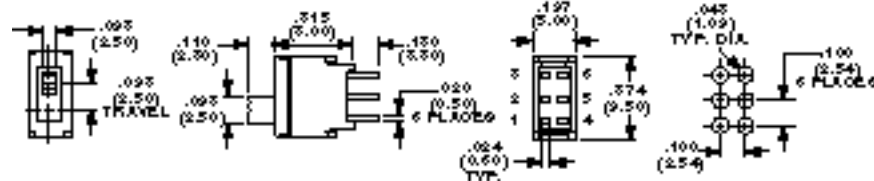


Model	Circuit Function				Contact Type
Terminals Connected		1-2		2-3	
AS1DGPC	SPDT	On	None	On	Gold
AS1EGPC	SPDT	On	None	On	Gold

### 2 POLE



AS2EGPC

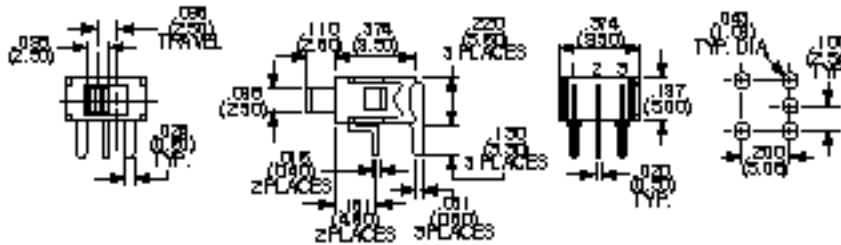


Model	Circuit Function				Contact Type
Terminals Connected		1-2, 4-5		2-3, 5-6	
AS2DPC	DPDT	On	None	On	Gold
AS2EGPC	DPDT	On	Off	On	Gold

### 1 POLE



AS1DGRA

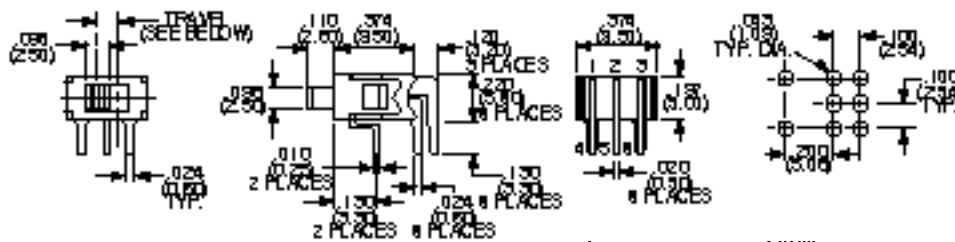


Model	Circuit Function				Contact Type
Terminals Connected		1-2,		2-3,	
AS1DGRA	SPDT	On	None	On	Gold

### 2 POLE



AS2EGRA



Model	Circuit Function	Travel				Contact Type
Terminals Connected			1-2, 4-5		2-3, 5-6	
AS2DGRA	DPDT	.100	On	None	On	Gold
AS2EGRA	DPDT	.150	On	Off	On	Gold