

**Toggle Switches, Process Sealed, Vertical and Right Angle, Round Actuator**

**MATERIAL SPECIFICATIONS:**

Contacts .....Gold over nickel plate  
 Case Material .....Polyester 94V-0  
 Actuator Material .....Nickel plated copper alloy  
 Terminals .....Phosphor bronze  
 Terminal Seal .....Epoxy  
 Process Seal .....Tested to MIL-STD-202, method 112  
 (Internal O-Ring) test condition A and D, 85°C

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....0.4 VA Max. @ 20 VDC  
 Initial Contact Resistance .....100 Milliohms max.  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....500 Megohms @ 250 VDC min.  
 Dielectric Strength .....500 Volts RMS @ sea level  
 Actuation Force .....400 Grams  
 Life Expectancy .....Up to 10,000 Cycles

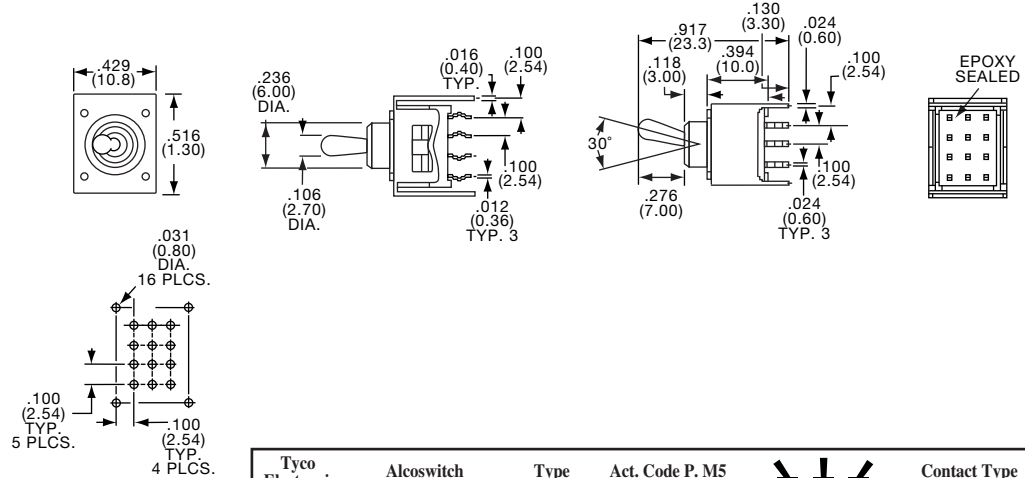
**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)  
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)

**4PDT**

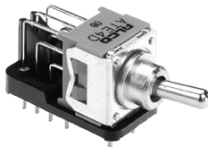


ATE4DGPC2

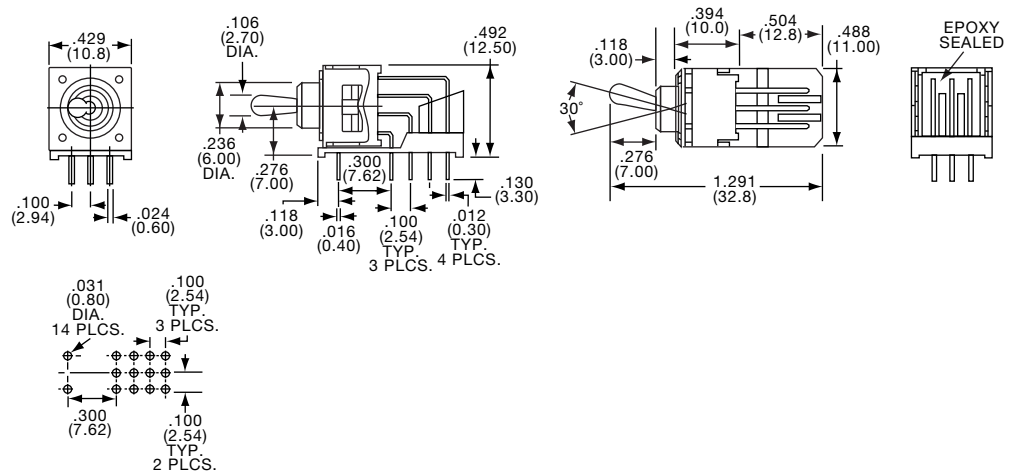


Tyco Electronics	Alcoswitch	Type	Act. Code P. M5		Contact Type
2-1437557-1	ATE4DGPC2	4PDT	8	On None On	Gold

**4PDT**



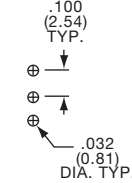
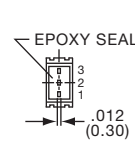
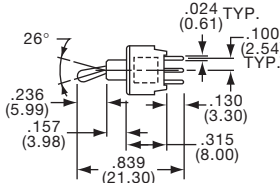
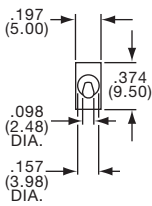
ATE4DGRA2



Tyco Electronics	Alcoswitch	Type	Act. Code P. M5		Contact Type
2-1437557-2	ATE4DGRA2	4PDT	8	On None On	Gold

**Toggle Switches, Process Sealed, Vertical, Round or Flat Actuators**

SEE PAGE C19 FOR PRODUCT SPECIFICATIONS

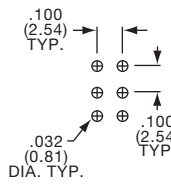
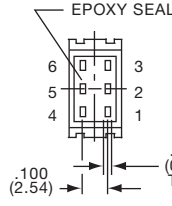
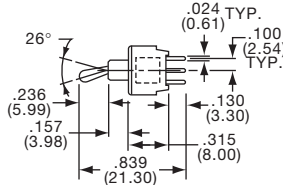
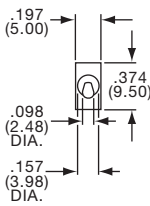


P.C. HOLE LAYOUT SINGLE POLE

SPDT/DPDT



ATE1DGPC1



P.C. HOLE LAYOUT DOUBLE POLE

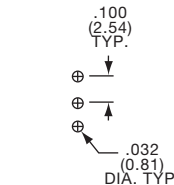
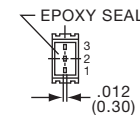
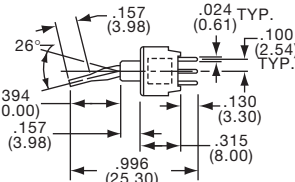
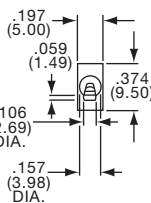
Extra compact double pole saves PCB real estate.



ATE2DGPC1

Tyco Electronics	Alcoswitch	Type				Contact Type	Tyco Electronics	Alcoswitch	Type				Contact Type
1437557-2	ATE1DGPC1	SPDT	On	None	On	Gold	1-1437557-5	ATE2DGPC1	DPDT	On	None	On	Gold
1437557-6	ATE1EGPC1	SPDT	On	Off	On	Gold	1-1437557-9	ATE2EGPC1	DPDT	On	Off	On	Gold
1-1437557-2	ATE1GGPC1	SPDT	On	None	(On)	Gold	Terminals Connected:						
Terminals Connected:						2-3	5-6	2-1	5-4				
(On) indicates momentary position.													

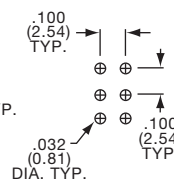
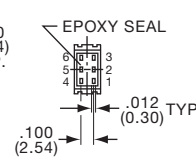
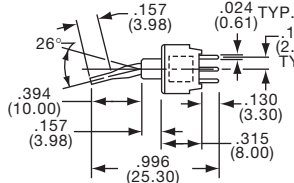
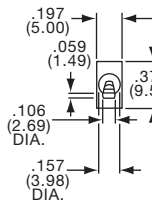
SPDT/DPDT



P.C. HOLE LAYOUT SINGLE POLE



ATE1DGPC7



P.C. HOLE LAYOUT DOUBLE POLE

Extra compact double pole saves PCB real estate.



ATE2DGPC7

Tyco Electronics	Alcoswitch	Type				Contact Type	Tyco Electronics	Alcoswitch	Type				Contact Type
1437557-3	ATE1DGPC7	SPDT	On	None	On	Gold	1-1437557-6	ATE2DGPC7	DPDT	On	None	On	Gold
1-1437557-3	ATE1GGPC7	SPDT	(On)	Off	(On)	Gold	Terminals Connected:						
Terminals Connected:						2-3	5-6	2-1	5-4				
(On) indicates momentary position.													

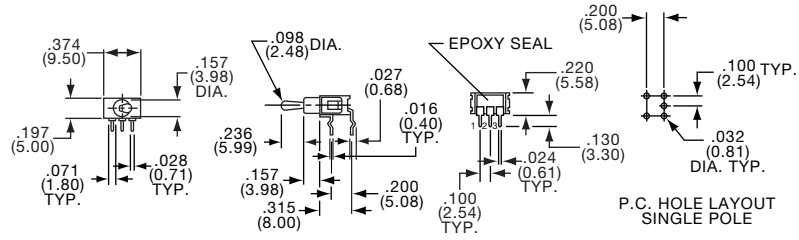
**Toggle Switches, Process Sealed, Right Angle, Retention Feature**

SEE PAGE C19 FOR PRODUCT SPECIFICATIONS

**SPDT/DPDT**



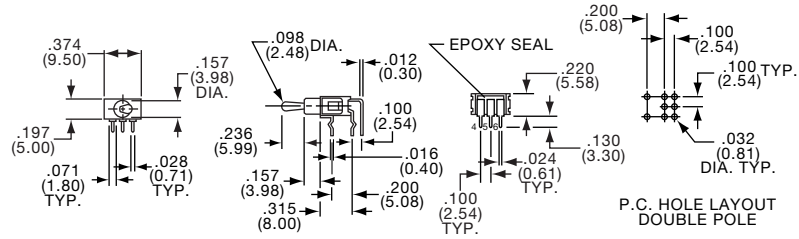
ATE1DGRA1  
Horizontal Actuation



Extra compact double pole saves PCB real estate.



ATE2DGRA1  
Horizontal Actuation

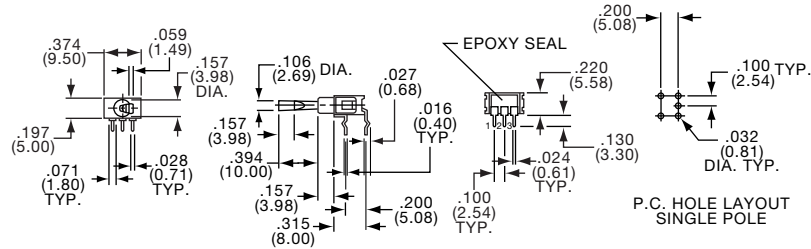


Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type	Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type
1437557-4	ATE1DGRA1	SPDT	On	None	On	Gold	1-1437557-7	ATE2DGRA1	DPDT	On	None	On	Gold
1437557-8	ATE1EGRA1	SPDT	On	Off	On	Gold	3-1437592-7	ATE2EGRA1	DPDT	On	Off	On	Gold
1-1437557-0	ATE1FGRA1	SPDT	On	None (On)		Gold		ATE2GGRA1	DPDT	(On)	Off	(On)	Gold
1-1437557-4	ATE1GGRA1	SPDT	(On)	Off	(On)	Gold	Terminals Connected:			2-3		2-1	
Terminals Connected:			2-3		2-1					5-6		5-4	
(On) indicates momentary position.							(On) indicates momentary position.						

**SPDT/DPD**



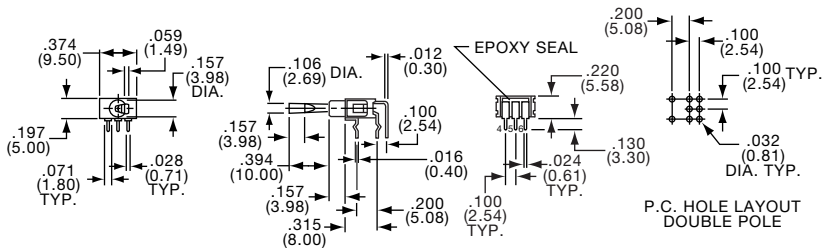
ATE1DGRA7  
Horizontal Actuation



Extra compact double pole saves PCB real estate.



ATE2DGRA7  
Horizontal Actuation



Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type	Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type
1437557-5	ATE1DGRA7	SPDT	On	None	On	Gold	1-1437557-8	ATE2DGRA7	DPDT	On	None	On	Gold
1437557-9	ATE1EGRA7	SPDT	On	Off	On	Gold	Terminals Connected:			2-3		2-1	
1-1437557-1	ATE1FGRA7	SPDT	On	None (On)		Gold				5-6		5-4	
Terminals Connected:			2-3		2-1								
(On) indicates momentary position.							(On) indicates momentary position.						

ATE Series