

**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

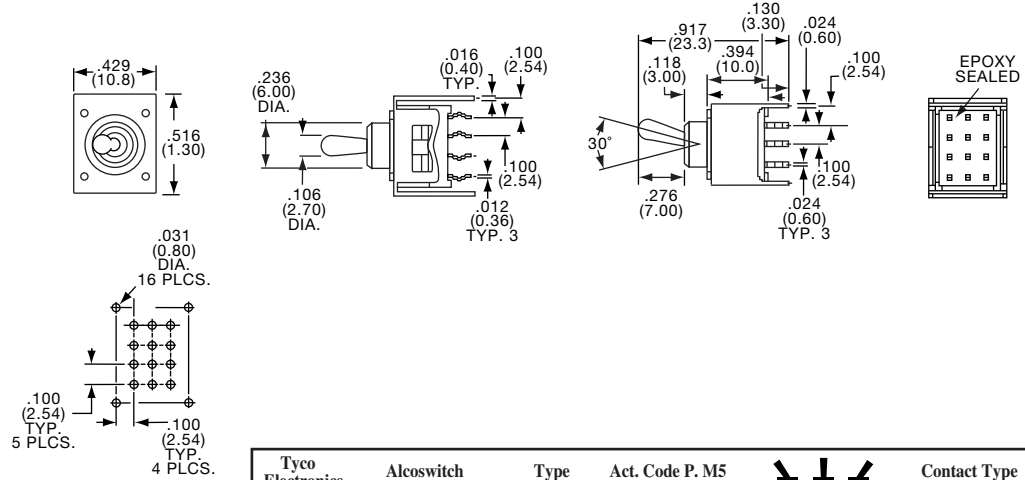
**ENVIRONMENTAL SPECIFICATIONS**

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**

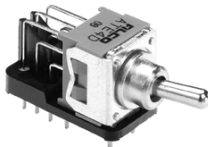


ATE4DGPC2

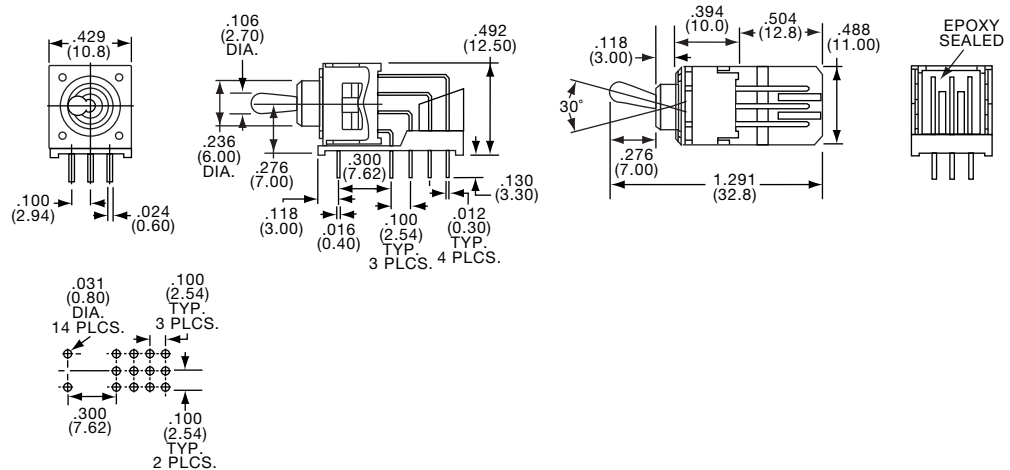


Tyco Electronics	Alcoswitch	Type	Act. Code P. M5		Contact Type
2-1437557-1	ATE4DGPC2	4PDT	8	On None On	Gold

**4PDT**



ATE4DGRA2



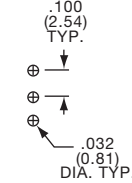
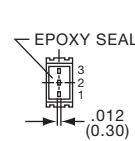
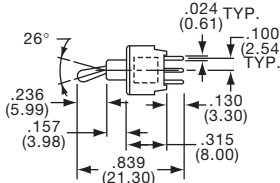
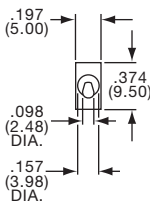
Tyco Electronics	Alcoswitch	Type	Act. Code P. M5		Contact Type
2-1437557-2	ATE4DGRA2	4PDT	8	On None On	Gold

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ATE Series

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

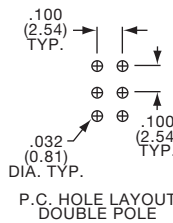
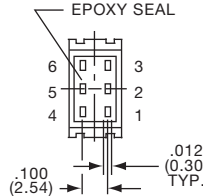
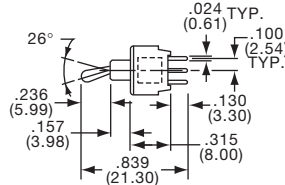
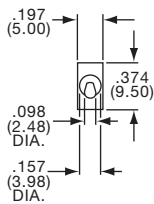
SEE PAGE C19 FOR PRODUCT SPECIFICATIONS



SPDT/DPDT



ATE1DGPC1



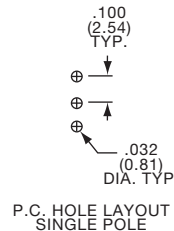
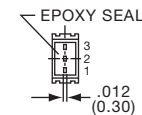
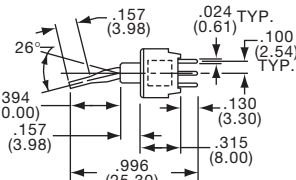
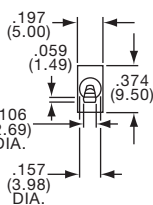
Extra compact double pole saves PCB real estate.



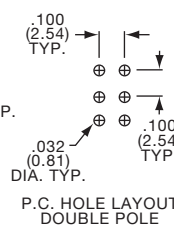
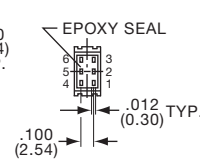
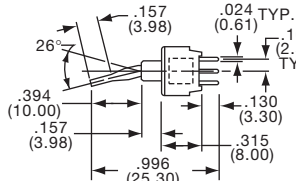
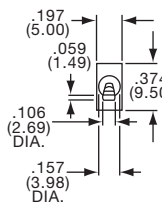
ATE2DGPC1

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 (On)	None (On)	On (On)	Gold	Terminals Connected:						
Terminals Connected:						2-3	5-6	2-1	5-4				
(On) indicates momentary position.													

SPDT/DPDT



ATE1DGPC7



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 (On)	Off (On)	On (On)	Gold	Terminals Connected:						
Terminals Connected:						2-3	5-6	2-1	5-4				
(On) indicates momentary position.													

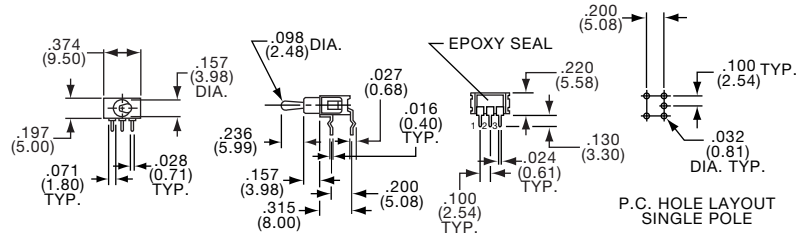
**Toggle Switches, Process Sealed, Right Angle, Retention Feature**

SEE PAGE C19 FOR PRODUCT SPECIFICATIONS

**SPDT/DPDT**



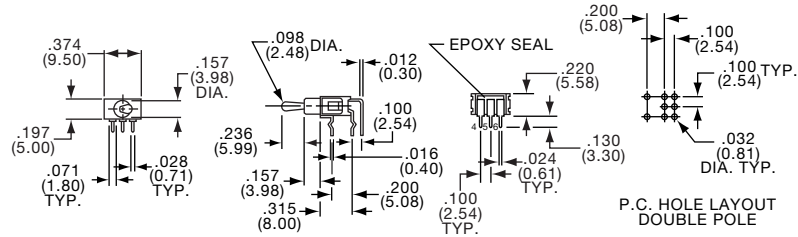
**ATE1DGRA1**  
Horizontal Actuation



Extra compact double pole saves PCB real estate.



**ATE2DGRA1**  
Horizontal Actuation

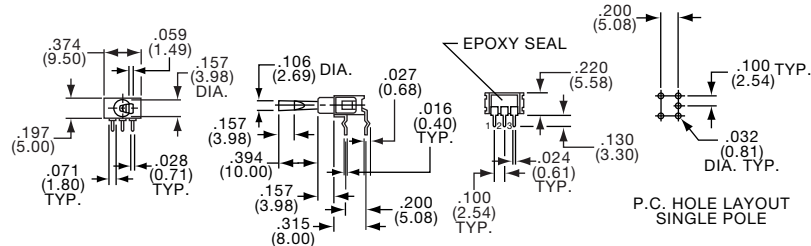


Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type	Tyco Electronics	Alcoswitch	Type	On	None	On	Contact Type
1437557-4	ATE1DGRA1	SPDT	On	None	On	Gold	1-1437557-7	ATE2DGRA1	DPDT	On	None	On	Gold
1437557-8	ATE1EGRA1	SPDT	On	Off	On	Gold	3-1437592-7	ATE2EGRA1	DPDT	On	Off	On	Gold
1-1437557-0	ATE1FGRA1	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**



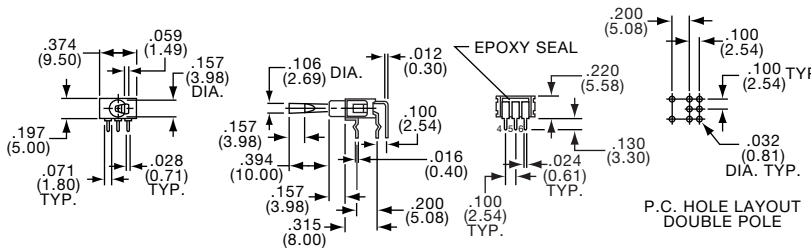
**ATE1DGRA7**  
Horizontal Actuation



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.						

ATE Series