



Specifications

Electrical Ratings	150mA @ 50VDC	Insulation Resistance	>100MΩ min
Electrical Life	15,000 steps typical	Operating Temperature	-40°C to 85°C
Contact Resistance	<80mΩ initial	Storage Temperature	-40°C to 85°C
Rotational Torque	700gF maximum	Sealing Degree	IP67
Dielectric Strength	250Vrms min. @ sea level		

Materials

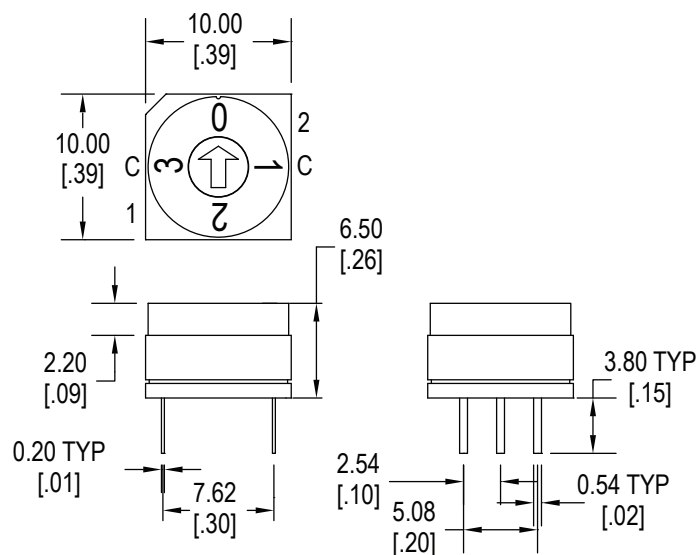
Actuator	Through-Hole: POM; Surface Mount: PA66 + SUS
Cover	Through-Hole: PA66; Surface Mount: LCP
Housing	Through-Hole: PA66; Surface Mount: LCP
Contacts	Copper Alloy, Gold over Nickel Plated
Terminals	Copper Alloy, Tin Plated

Ordering Information

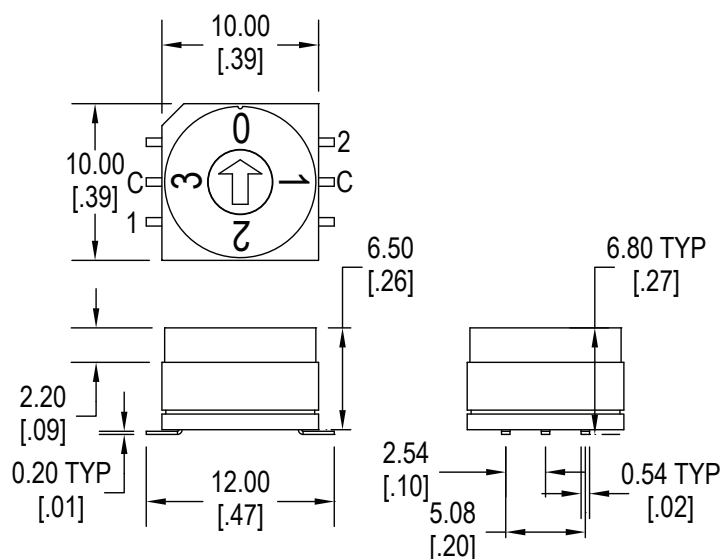
1. Series	RD10	R	A	16	R	T	T
RD10							
2. Housing Shape R = Round A = Octagonal							
3. Actuator Style A = Arrow, flush B = Arrow, knurled, 7.3mm							
4. Number of Positions 4 = 4 position 6 = 6 position 8 = 8 position 10 = 10 position 16 = 16 position							
5. Code Options R = Real Code C = Complementary Code							
6. Terminals T = Through-Hole PC pin G = Gull Wing, surface mount VA = Right Angle PC pin, 2.54mm spacing VB = Right Angle PC pin, 5.08mm spacing							
7. Packaging Options T = Tube R = Tape & Reel, for use with G terminals only							

Dimensions - 4 Position

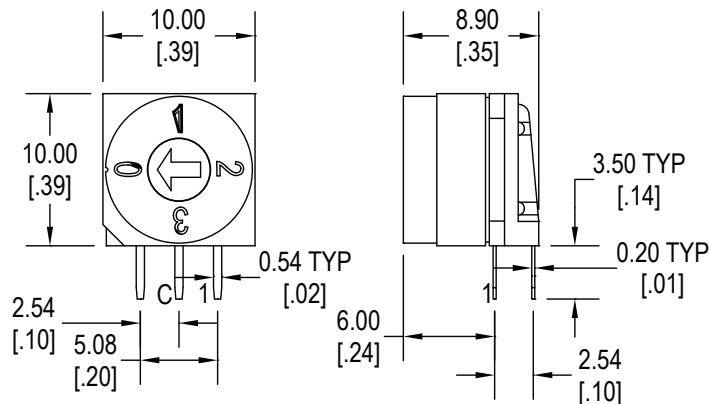
T Terminal



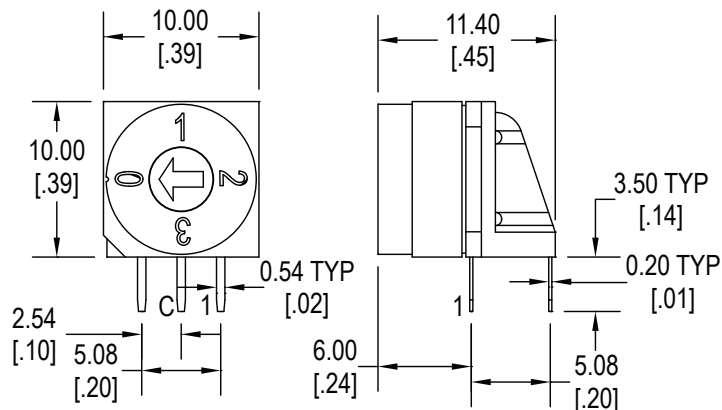
G Terminal



VA Terminals

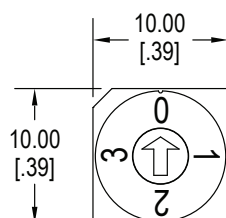


VB Terminals

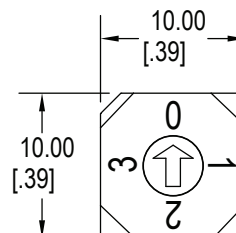


Housing Options

R, Round

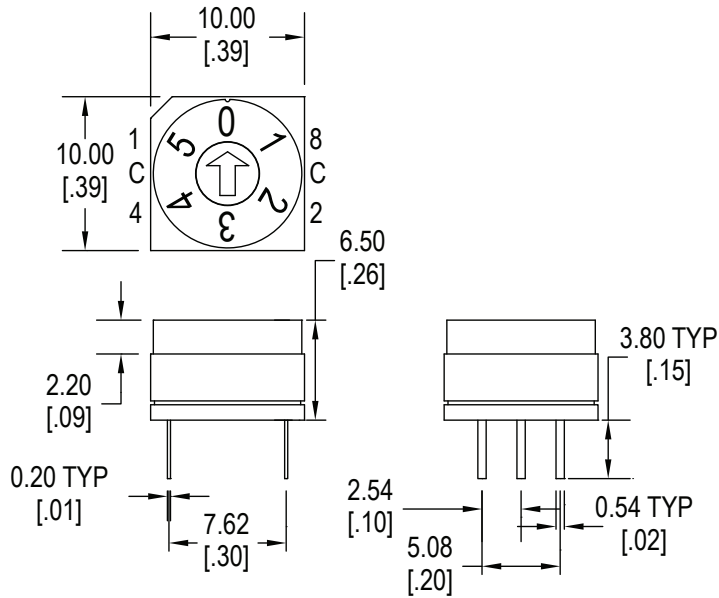


A, Octagonal

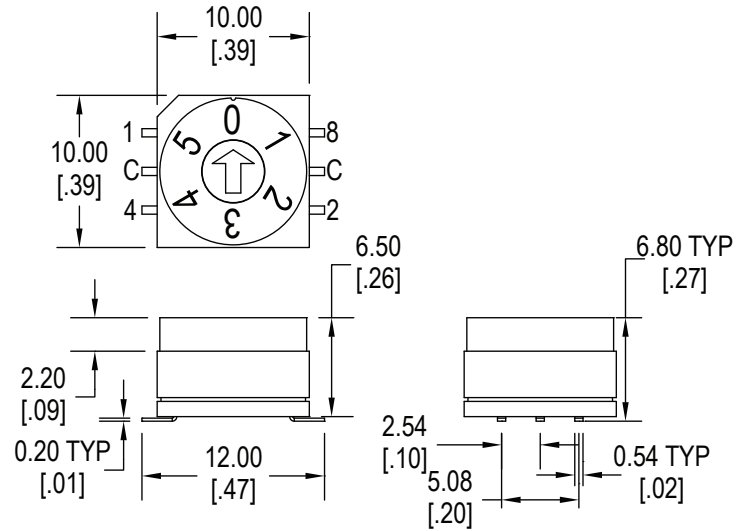


Dimensions - 6 Position

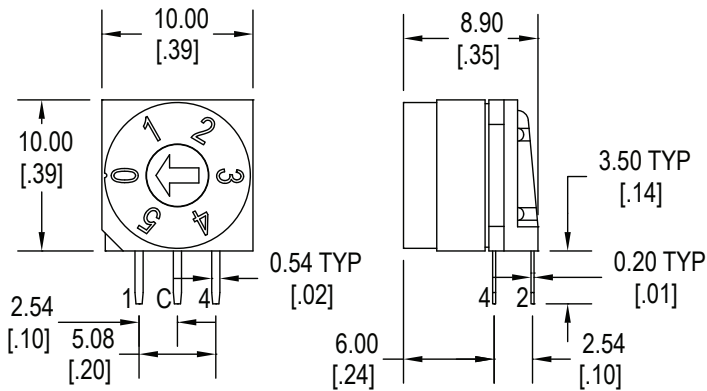
T Terminal



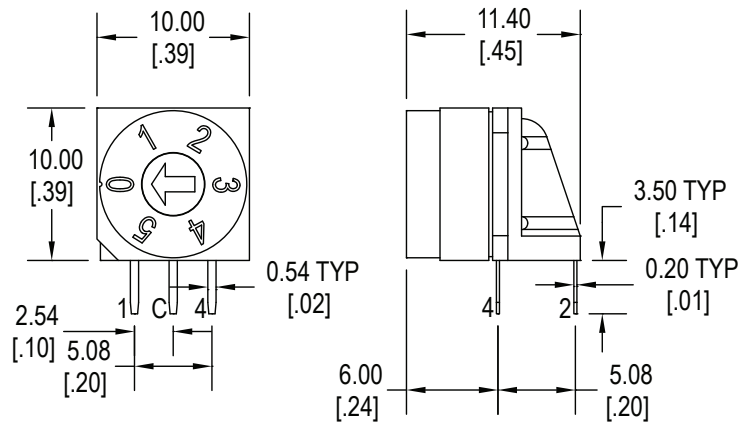
G Terminal



VA Terminals

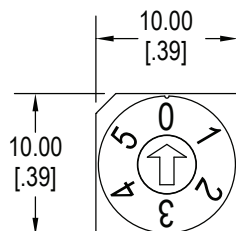


VB Terminals

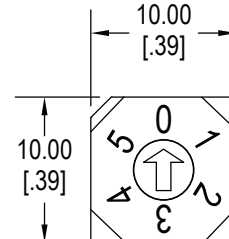


Housing Options

R, Round

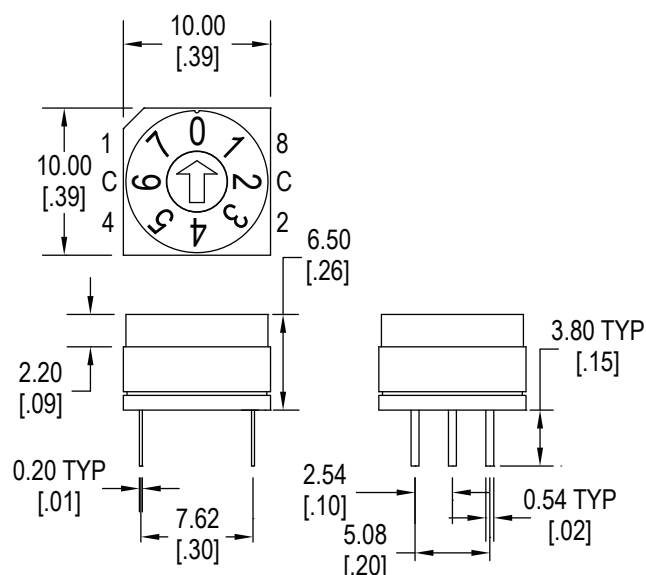


A, Octagonal

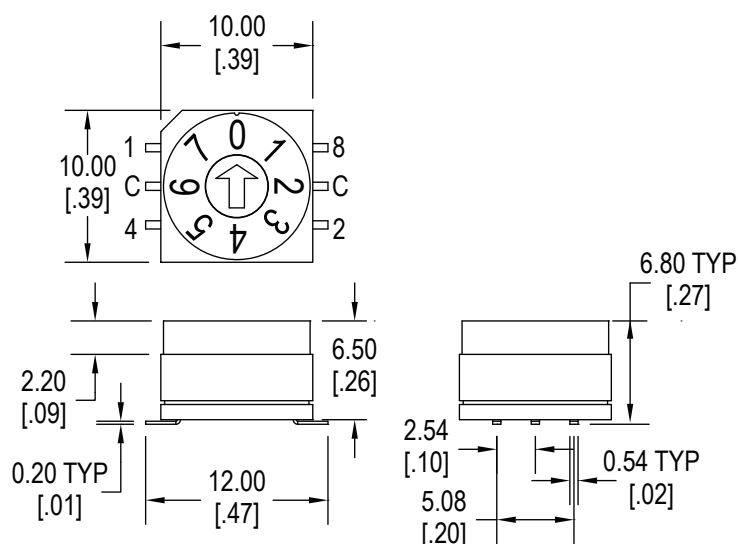


Dimensions - 8 Position

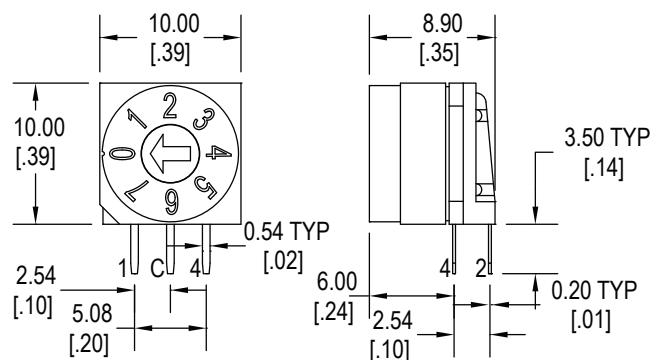
T Terminal



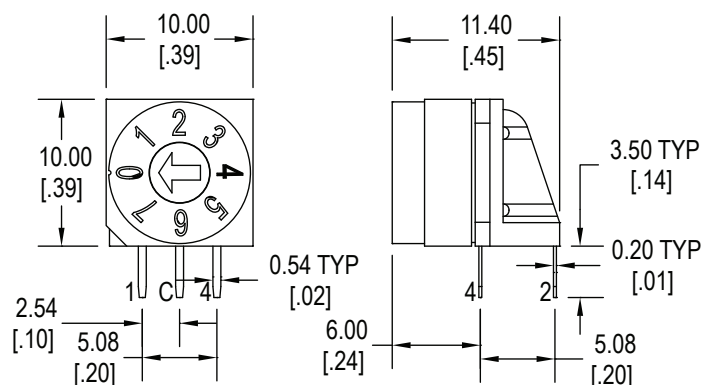
G Terminal



VA Terminals

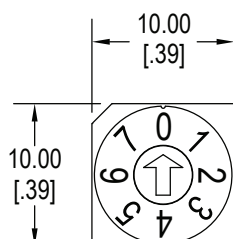


VB Terminals

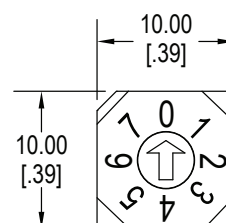


Housing Options

R, Round

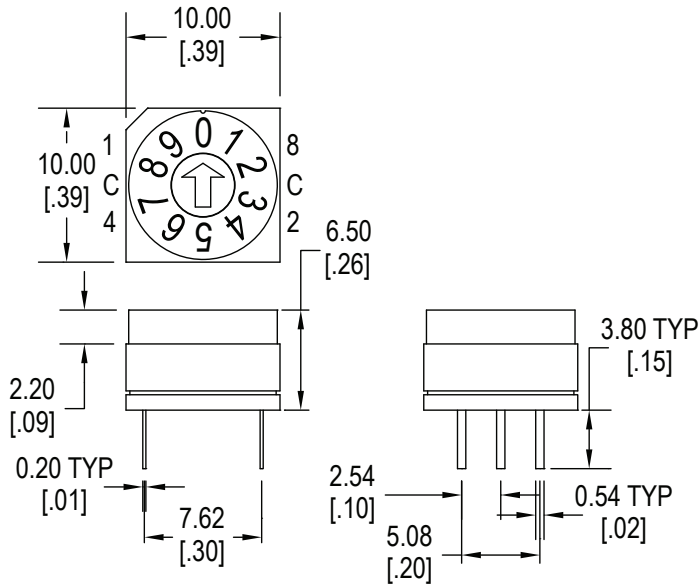


A, Octagonal

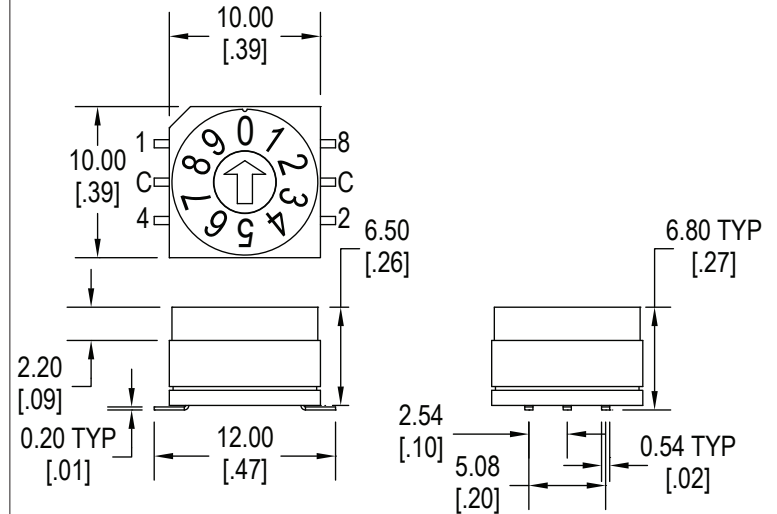


Dimensions - 10 Position

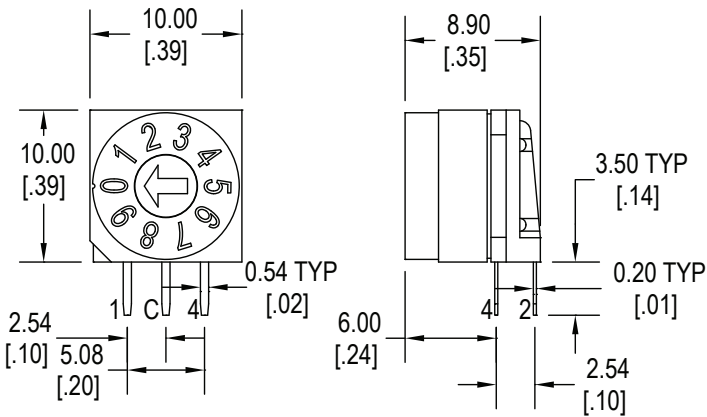
T Terminal



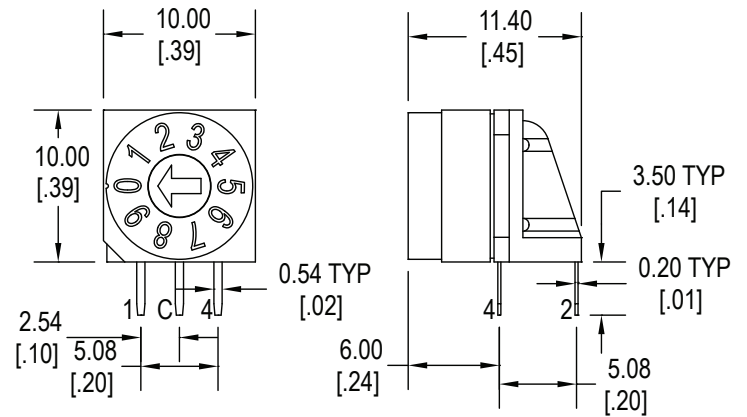
G Terminal



VA Terminals

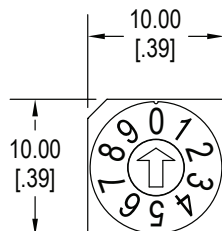


VB Terminals

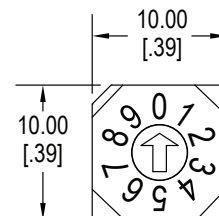


Housing Options

R, Round

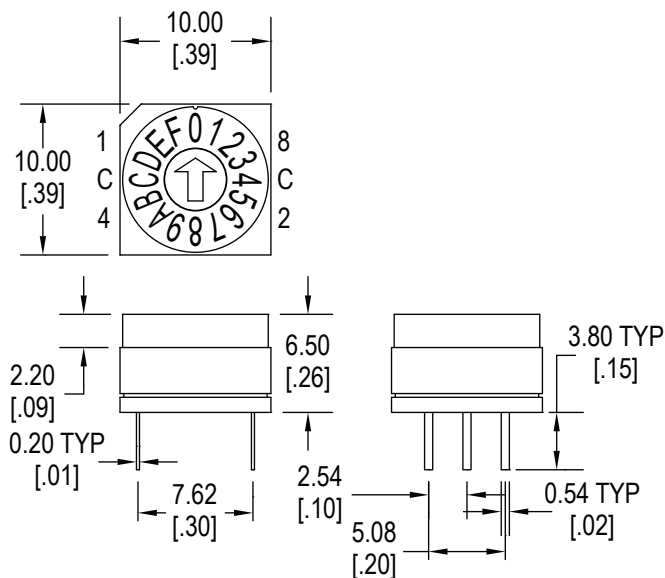


A, Octagonal

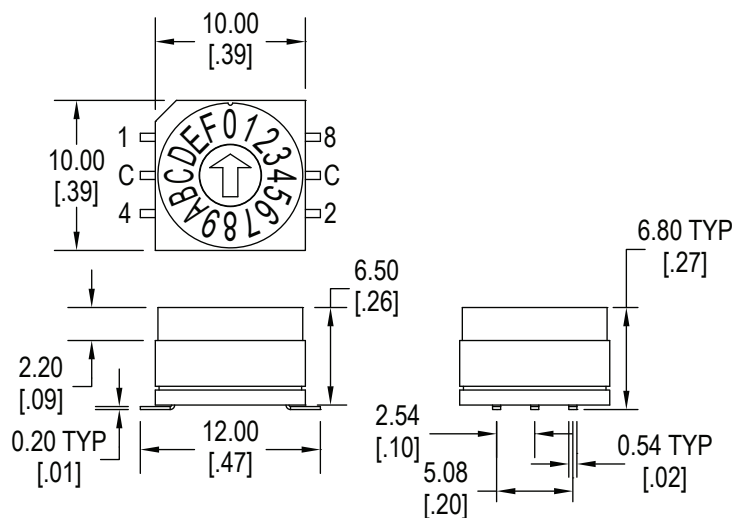


Dimensions - 16 Position

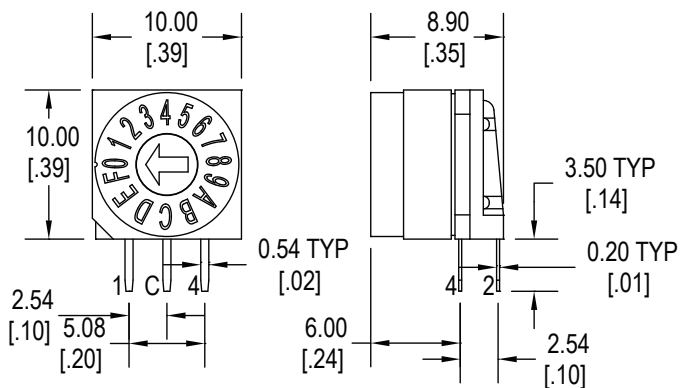
T Terminal



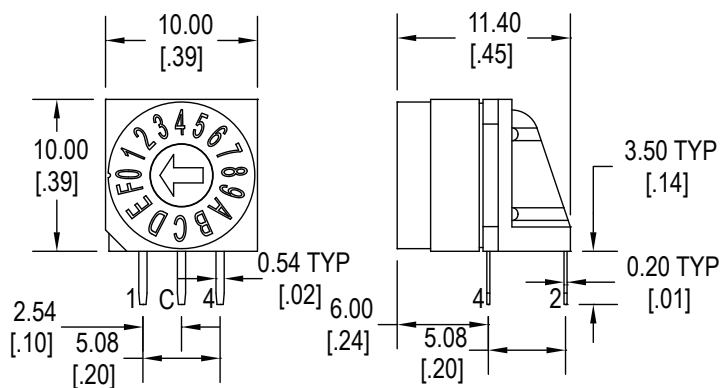
G Terminal



VA Terminals

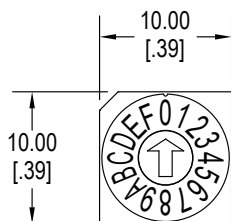


VB Terminals

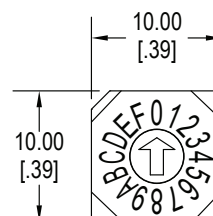


Housing Options

R, Round

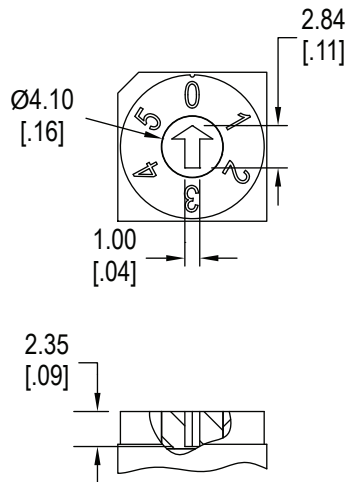


A, Octagonal

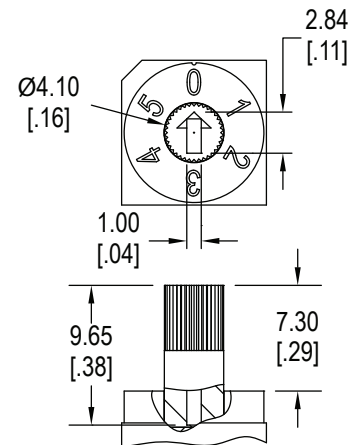


Actuator Options

A, Flush Arrow

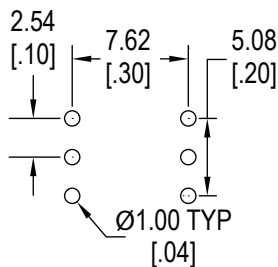


B, Knurled Arrow, 7.3mm

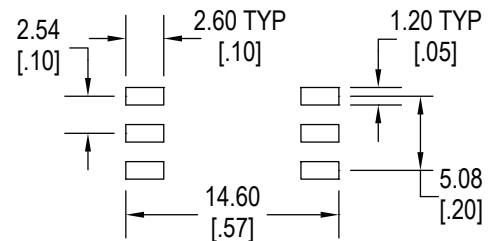


PC Layouts

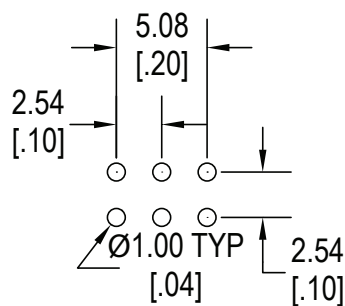
T, Through Hole PC Pin



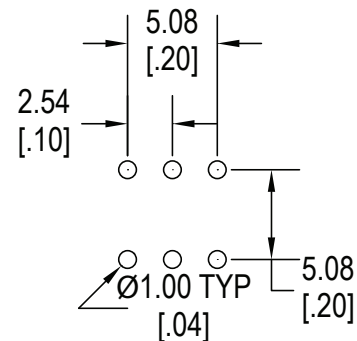
G, Surface Mount Gull Wing



VA, Right Angle PC Pin, 2.54mm spacing



VB, Right Angle PC Pin, 5.08mm spacing



Code Options

4 Position, BCD

4 Position Real Code			
Position	C	1	2
0	♦		
1	♦	♦	
2	♦		♦
3	♦	♦	♦

4 Position, BCD Complement

4 Position Complement Code			
Position	C	1	2
0	♦	♦	♦
1	♦		♦
2	♦	♦	
3	♦		

6 Position, BCD

6 Position Real Code					
Position	C	1	2	4	8
0	♦				
1	♦	♦			
2	♦		♦		
3	♦	♦	♦		
4	♦			♦	
5	♦	♦		♦	

6 Position, BCD Complement

6 Position Complement Code					
Position	C	1	2	4	8
0	♦	♦	♦	♦	♦
1	♦		♦	♦	♦
2	♦	♦		♦	♦
3	♦			♦	♦
4	♦	♦	♦		♦
5	♦		♦		♦

8 Position, BCD

8 Position Real Code					
Position	C	1	2	4	8
0	♦				
1	♦	♦			
2	♦		♦		
3	♦	♦	♦		
4	♦			♦	
5	♦	♦		♦	
6	♦		♦	♦	
7	♦	♦	♦	♦	

8 Position, BCD Complement

8 Position Complement Code					
Position	C	1	2	4	8
0	♦	♦	♦	♦	♦
1	♦		♦	♦	♦
2	♦	♦		♦	♦
3	♦			♦	♦
4	♦	♦	♦		♦
5	♦		♦		♦
6	♦	♦			♦
7	♦				♦

Code Options

10 Position, BCD

10 Position Real Code					
Position	C	1	2	4	8
0	♦				
1	♦	♦			
2	♦		♦		
3	♦	♦	♦		
4	♦			♦	
5	♦	♦		♦	
6	♦		♦	♦	
7	♦	♦	♦	♦	
8	♦				♦
9	♦	♦			♦

10 Position, BCD, Complement

10 Position Complement Code					
Position	C	1	2	4	8
0	♦	♦	♦	♦	♦
1	♦		♦	♦	♦
2	♦	♦		♦	♦
3	♦			♦	♦
4	♦	♦	♦		♦
5	♦		♦		♦
6	♦	♦			♦
7	♦				♦
8	♦	♦	♦	♦	
9	♦		♦	♦	

16 Position, BCD

16 Position Real Code						
Position	C	1	2	4	8	-
0	♦					0
1	♦	♦				1
2	♦		♦			2
3	♦	♦	♦			3
4	♦			♦		4
5	♦	♦		♦		5
6	♦		♦	♦		6
7	♦	♦	♦	♦		7
8	♦				♦	8
9	♦	♦			♦	9
10	♦		♦		♦	A
11	♦	♦	♦		♦	B
12	♦			♦	♦	C
13	♦	♦		♦	♦	D
14	♦		♦	♦	♦	E
15	♦	♦	♦	♦	♦	F

16 Position, BCD Complement

16 Position Complement Code						
Position	C	1	2	4	8	-
0	♦	♦	♦	♦	♦	0
1	♦		♦	♦	♦	1
2	♦	♦		♦	♦	2
3	♦			♦	♦	3
4	♦	♦	♦		♦	4
5	♦		♦		♦	5
6	♦	♦			♦	6
7	♦				♦	7
8	♦	♦	♦	♦		8
9	♦		♦	♦		9
10	♦	♦		♦		A
11	♦			♦		B
12	♦	♦	♦			C
13	♦		♦			D
14	♦	♦				E
15	♦					F