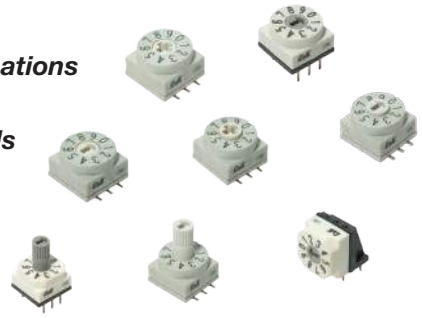
Features/Benefits

- *Process sealed – withstands soldering and cleaning*
- *Thru-hole and surface mount models*
- *New designs with different actuators*
- *RoHS compatible and compliant*
- *New generation price competitive*
- *IP65*

Typical Applications

- *Address switching applications*
- *Data storage devices*
- *Computer and peripherals*
- *Instrumentation*



Specifications

CONTACT RATING: 42 V DC 150mA (switching), 200mA (non-switching)

MECHANICAL & ELECTRICAL LIFE: 10,000 cycles

INITIAL CONTACT RESISTANCE: 200 mΩ max.
INSULATION RESISTANCE: 100 MΩ min.

OPERATING TEMPERATURE: -40°C to 85°C.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING FORCE: 700 gf max.

SOLDER CONDITIONS:
- Straight and right-angle types: Iron soldering 2s/340°C, wave soldering 5s/280°C
- Through-hole and SMT types: Iron soldering 2s/340°C, wave soldering: 5s/280°C, reflow soldering 10s/260°C

SOLDERABILITY: Dip and look solderability testing per C&K spec #448

PACKAGING: Switches are supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantities. Number of switches per tube varies with model. Tape and reel packing also available with exception for the right-angle "A" type terminations.

Materials

COVER:
- Straight and right-angle types: Nylon#66 (G45%)
- Through-hole and SMT types: LCP (G30%)

BASE:
- Straight and right-angle types: Nylon#66 (G45%)
- Through-hole and SMT types: LCP (G30%)

ACTUATOR:
- Straight and right-angle types: Poly Acetal
- Through-hole and SMT types: Nylon#66 (G45%)

CONTACTS: Brass with Gold nickel plating

TERMINALS: Brass with Gold nickel plating

How To Order

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

C R E

Number of positions
- **04** 4 position
- **06** 6 position
- **08** 8 position
- **10** 10 position
- **16** 16 position

Coding
- **R** Real or BCD code
- **C** Complement code

Shape of surface
- **OT** Octagon Type
- **RD** Round Type

Actuator
- **M0** Flush, Screw type "->" [Slot Screw Drive Type]
- **M1** Flush, Screw type "+" [Cross Screw Drive Type]
- **L0** Extended, Screw type "->" [Slot Screw Drive Type]
- **P0** Protrusion, Screw type "->" [Slot Screw Drive Type]
- **P1** Protrusion, Screw type "+" [Cross Screw Drive Type]

Terminations
- **A** Right Angle, PC Thru-hole (Only available for actuator M0 & M1)
- **C** PC Thru-hole
- **S** Gull Wing

Packaging
- **(None)** Tube
- **R** Tape & Reel (Not available for termination type A & C)

Remarks in Annotation

Third Angle Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

CRE Series
10mm DIP Coded Rotary Switches

CODING

R Real Code

04 POSITION

	Real Code				
04 POSITION	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		

06 POSITION

	Real Code				
06 POSITION	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●		●	

08 POSITION

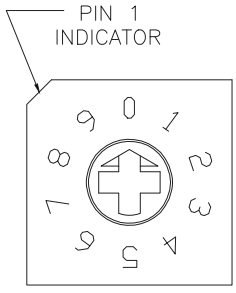
	Real Code				
08 POSITION	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●		●	
6	●		●	●	
7	●	●	●	●	

10 POSITION

	Real Code				
10 POSITION	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●		●	
6	●		●	●	
7	●	●	●	●	
8	●				●
9	●	●			●

16 POSITION

	Real Code				
16 POSITION	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●		●	
6	●		●	●	
7	●	●	●	●	
8	●				●
9	●	●			●
A	●		●		●
B	●	●	●		●
C	●			●	●
D	●	●		●	●
E	●		●	●	●
F	●	●	●	●	●



C Complement Code

04 POSITION

	Complement Code				
04 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●			●	●
2	●	●		●	●
3	●				●

06 POSITION

	Complement Code				
06 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●			●	●
2	●	●		●	●
3	●				●
4	●	●	●		●
5	●			●	●

08 POSITION

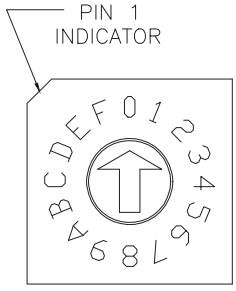
	Complement Code				
08 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●			●	●
2	●	●		●	●
3	●				●
4	●	●	●		●
5	●			●	●
6	●	●			●
7	●				●

10 POSITION

	Complement Code				
10 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●			●	●
2	●	●		●	●
3	●				●
4	●	●	●		●
5	●			●	●
6	●	●			●
7	●				●
8	●	●	●	●	
9	●			●	

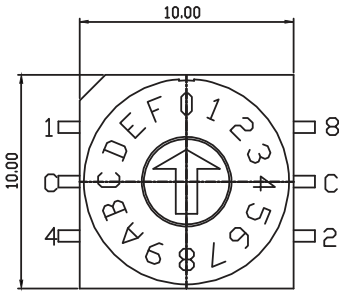
16 POSITION

	Complement Code				
16 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●			●	●
2	●	●		●	●
3	●				●
4	●	●	●		●
5	●			●	●
6	●	●			●
7	●				●
8	●	●	●	●	
9	●			●	
A	●	●		●	
B	●			●	
C	●	●	●		
D	●		●		
E	●	●			
F	●				

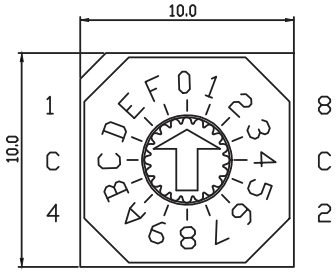


SHAPE OF SURFACE

RD Round Type



OT Octagon Type

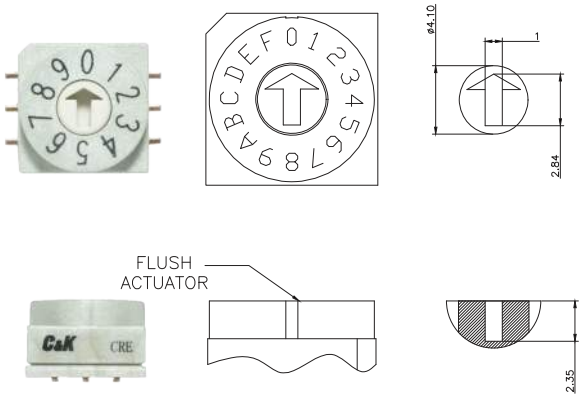


Third Angle Projection

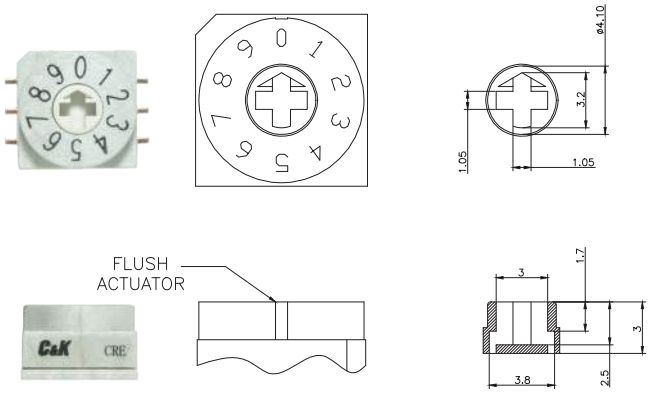
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

ACTUATOR

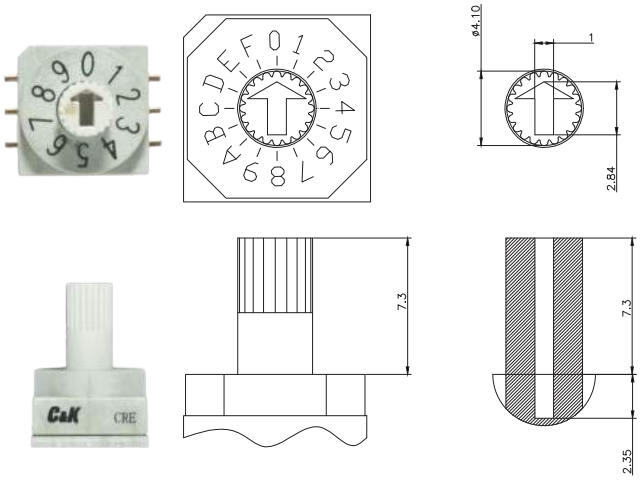
M0 Flush, Screw type "->"



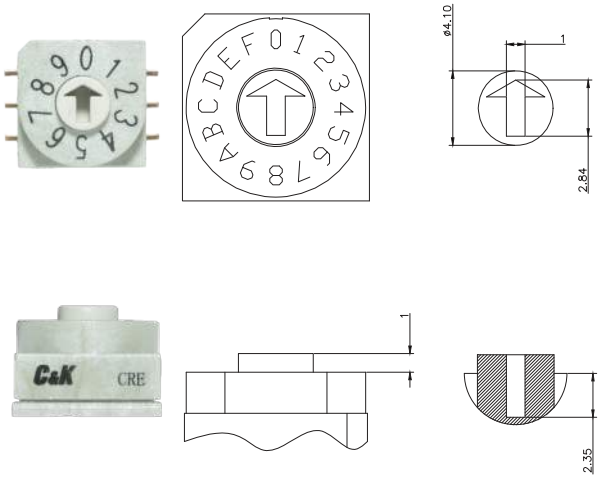
M1 Flush, Screw type "+"



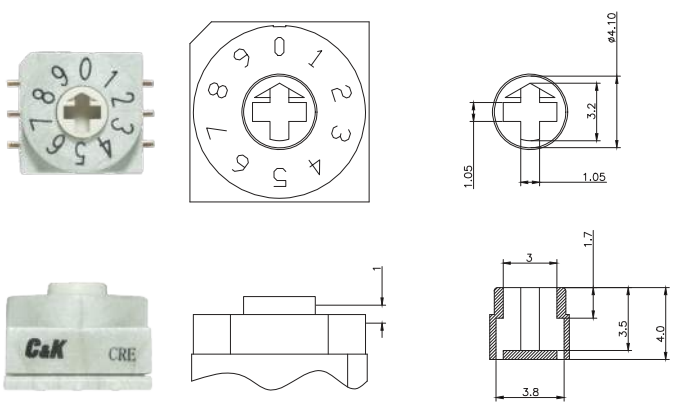
L0 Extended, Screw type "->"



P0 Protrusion, Screw type "->"



P1 Protrusion, Screw type "+"



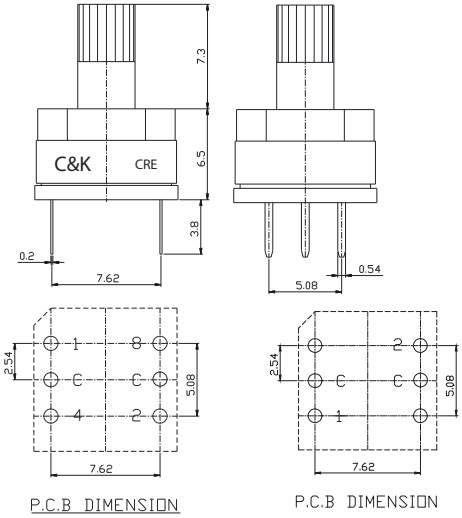
Third Angle Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

CRE Series
10mm DIP Coded Rotary Switches

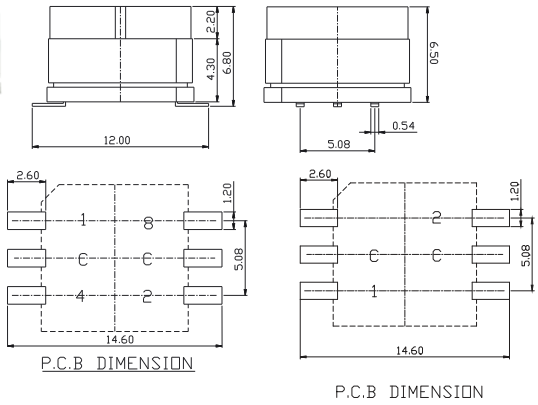
TERMINATIONS

C PC Thru-hole



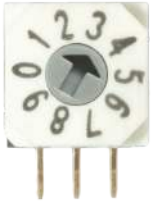
* For CRE04 only

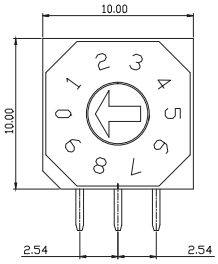
S Gull wing

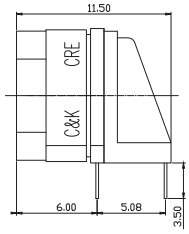


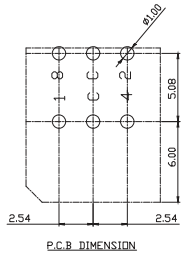
* For CRE04 only

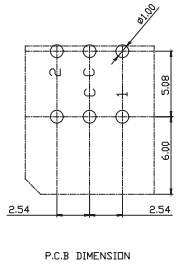
A Right Angle Thru-hole





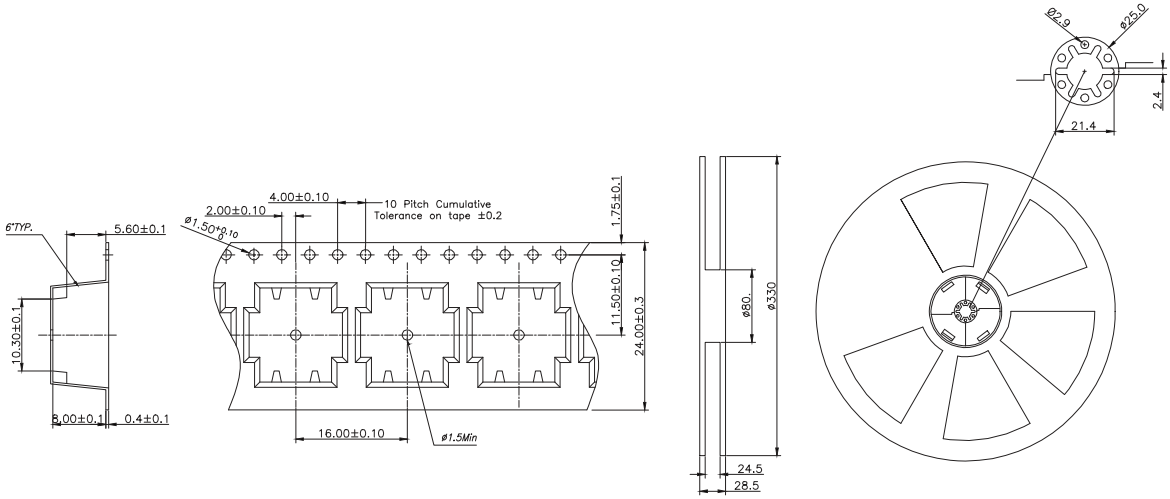






* For CRE04 only

TAPE & REEL



TAPE & REEL: 600 pcs

Third Angle Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change