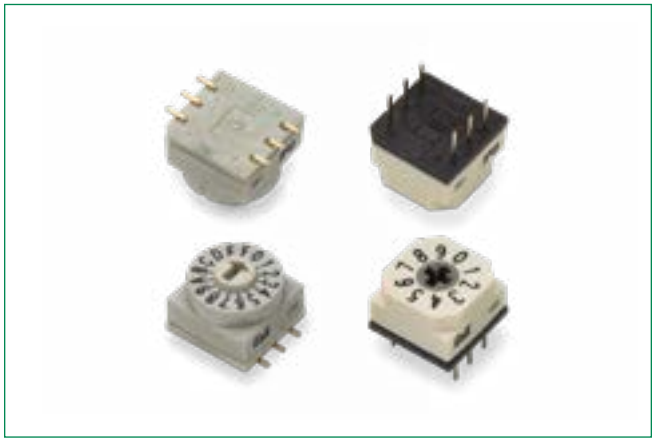
CRE Series
10mm Coded Rotary DIP Switches



Description

The CRE series 10mm DIP coded rotary switch is the newest DIP. It has new design with different actuators and frontal surface for end possibilities of product selection. It's fully processed sealed and hence can withstands soldering and cleaning.

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

Applications

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

Specifications

Contact Rating	42 V DC 150 mA (switching), 200 mA (non-switching)

Mechanical Specifications

Mechanical & Electrical Life	10,000 cycles
Insulation Resistance	100MΩ min.
Initial Contact Resistance	300 mΩ Max.

Environmental Specifications

	A & C Terminations	**S Termination**
Operating Temperature	-40˚C ~ 85˚C	-40˚C ~ 125˚C
Storage Temperature		
Operating Force	700 gf Max.	

Process

Solder Conditions	PC Through-hole: Iron soldering 5s/350°C, wave soldering 5s/280°C. Gull wing (SMT): Iron soldering 5s/350°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	PC Through-hole: PA Gull wing (SMT): LCP
Base	
Actuator	PC Through-hole: POM Gull wing (SMT): PA
Contacts	Phosphor bronze with gold plating
Terminals	

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

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Ordering Number

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.

CRExx - x - x - x - x - x

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]

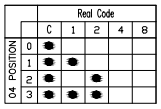
Terminations
A: Right angle, PC thru-hole
(Only available for acuator M0 & M1)
C: PC Thru-hole
S: Gull Wing

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

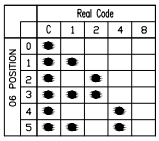
Coding

R - Real Code

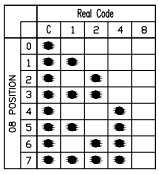
04 Position



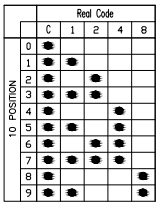
06 Position



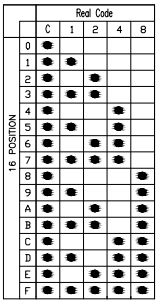
08 Position



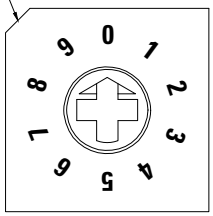
10 Position



16 Position

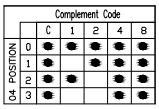


PIN 1 Indicator

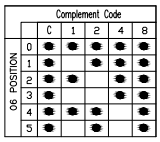


C - Complement Code

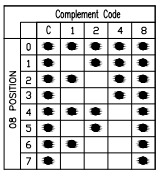
04 Position



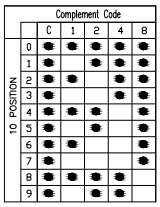
06 Position



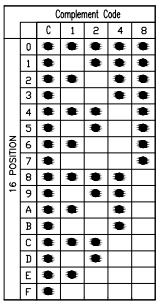
08 Position



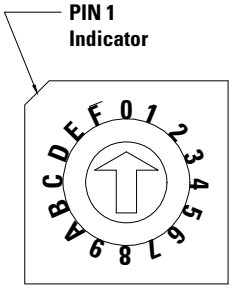
10 Position



16 Position



PIN 1 Indicator



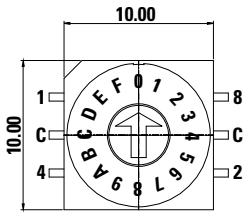
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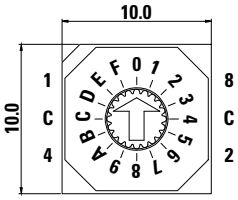
Shape of Surface

RD - Round Type





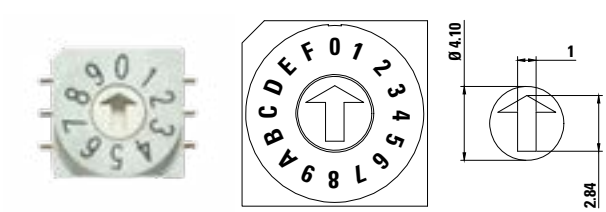
OT - Octagon Type



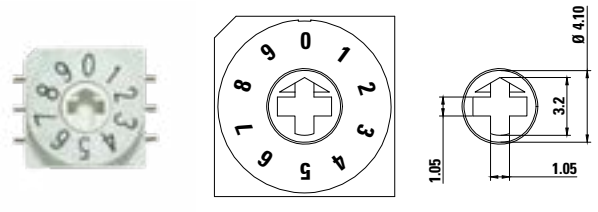


Actuator (mm)

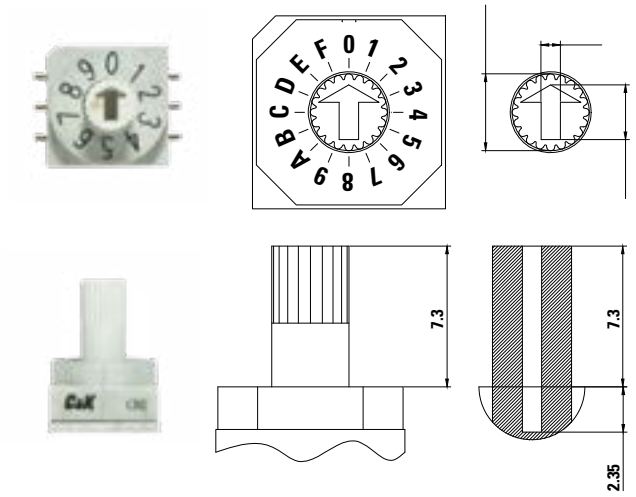
M0 Flush, Screw type "->"



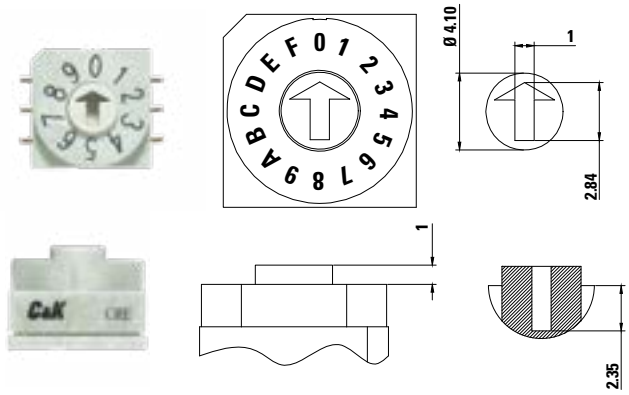
M1 Flush, Screw type "+"



L0 Extended, Screw type "->"



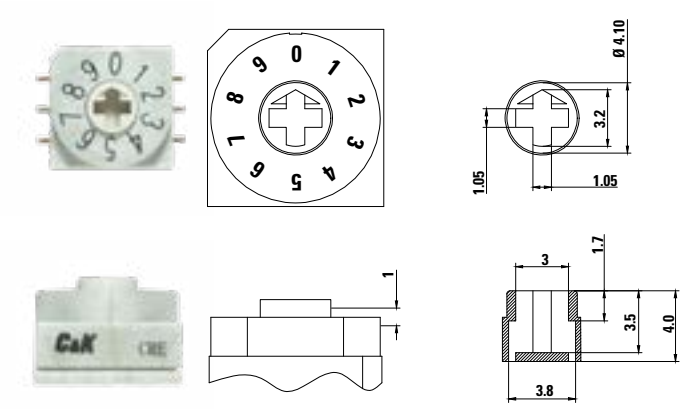
P0 Protrusion, Screw type "->"



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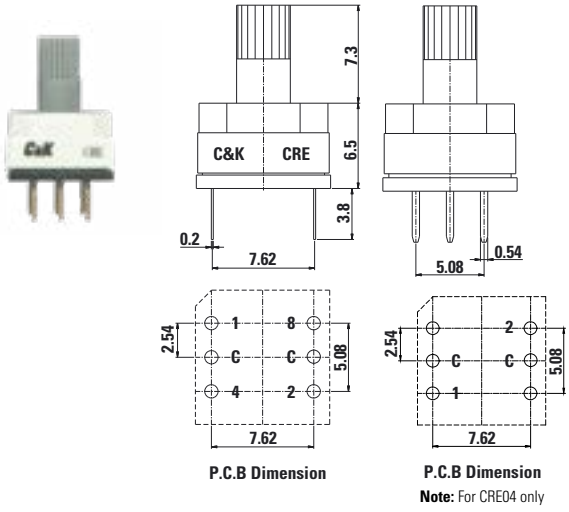
CRE Series
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P1 Protrusion, Screw type "+" (mm)



Terminations (mm)

C PC Thru-hole

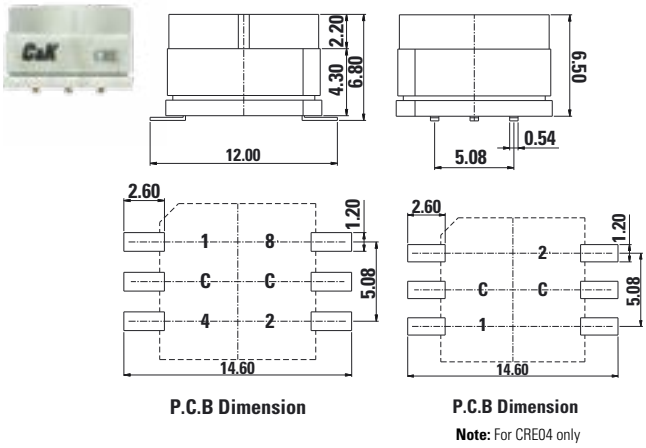


P.C.B Dimension

P.C.B Dimension

Note: For CRE04 only

S Gull wing

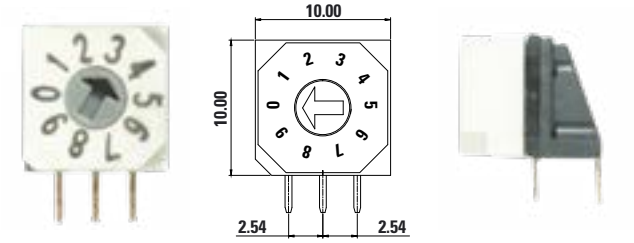


P.C.B Dimension

P.C.B Dimension

Note: For CRE04 only

A Right Angle Thru-hole



P.C.B Dimension

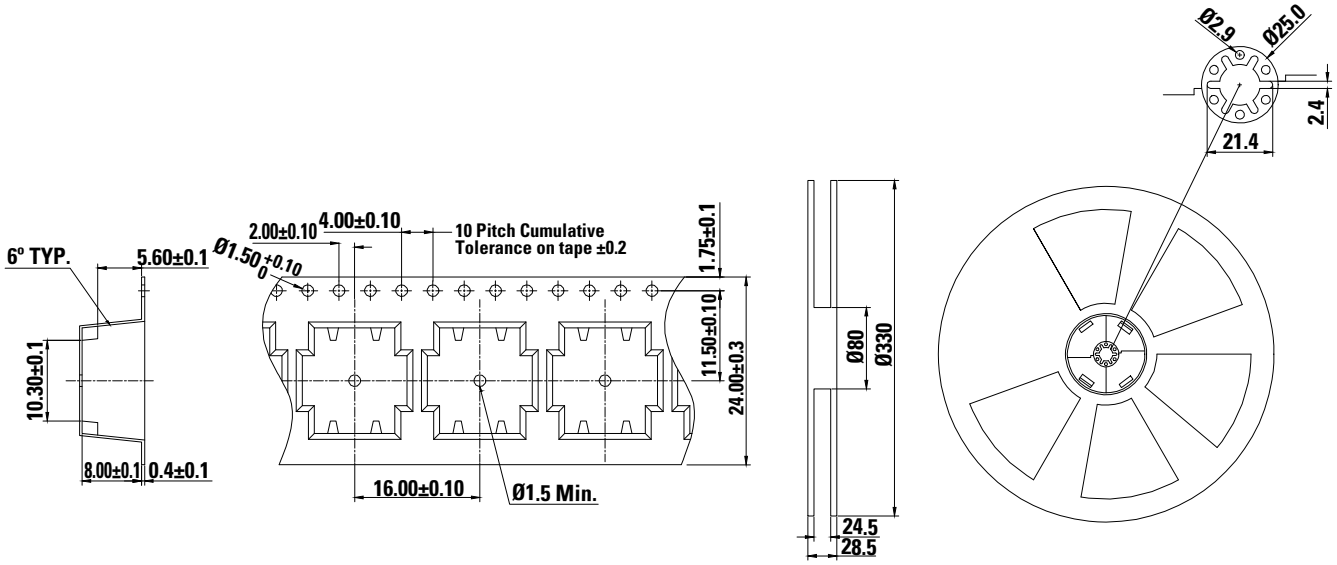
P.C.B Dimension

Note: For CRE04 only

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Tape and Reel (mm)



Note:
1. T&R, 150pcs for "L0" actuator type.
2. T&R, 600pcs for "M0", "M1", "P0" and "P1" actuator types.

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