NEW

CRE Series
10mm DIP Coded Rotary Switches

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**

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: 80 milliohms max.

INSULATION RESISTANCE: 100 megohms min.

OPERATING TEMPERATURE: -20°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]

Packaging

(None)	Tube
R	Tape & Reel (not available for termination type A and C)

Terminations

A	Right angle, PC thru-hole (only available for actuation M0 and M1)
C	PC Thru-hole
S	Gull wing

Third Angle Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change
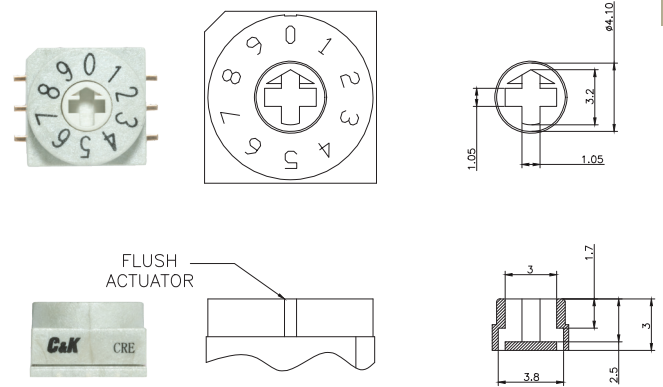
CRE Series
10mm DIP Coded Rotary Switches

NEW

CODING

R Real Code

16 POSITION

04 POSITION — Real Code
06 POSITION — Real Code
08 POSITION — Real Code
10 POSITION — Real Code
16 POSITION — Real Code

PIN 1 INDICATOR

C Complement Code

04 POSITION — Complement Code
06 POSITION — Complement Code
08 POSITION — Complement Code
10 POSITION — Complement Code
16 POSITION — Complement Code

PIN 1 INDICATOR

SHAPE OF SURFACE

RD Round Type

10.00

10.00

1 — 8
C — C
4 — 2

OT Octagon Type

10.0

10.0

1 — 8
C — C
4 — 2

Third Angle Projection

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

ACTUATOR

M0 Flush, Screw type "->"

M1 Flush, Screw type "+"

FLUSH ACTUATOR

FLUSH ACTUATOR

L0 Extended, Screw type "->"

P0 Protrusion, Screw type "->"
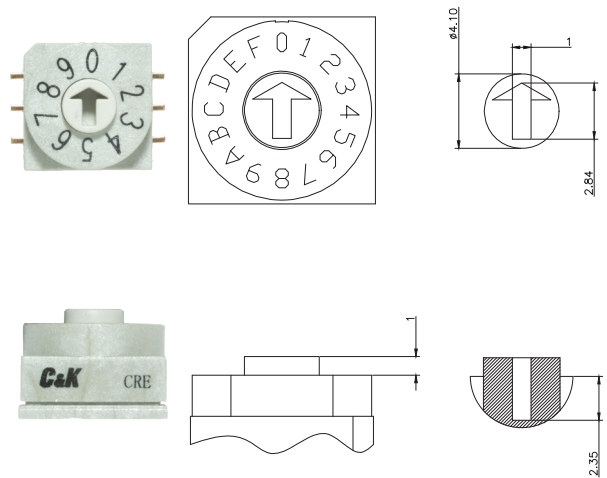
P1 Protrusion, Screw type "+"

Third Angle Projection
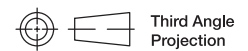
Dimensions are shown: Inch (mm)
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TERMINATIONS

C PC Thru-hole

3.8

0.2

7.62

5.08

0.54

1		8
C		C
4		2

2.54

5.08

7.62

P.C.B DIMENSION

S Gull wing

C&K CRE

12.00

5.08

0.54

2.60

1.20

5.08

1		8
C		C
4		2

14.60

P.C.B DIMENSION

A Right angle, PC thru-hole

10.00

10.00

2.54   2.54

11.50

CRE

C&K

6.00   5.08   3.50

Ø1.00

8	C	2
1	C	4

5.08

6.00

2.54   2.54

P.C.B DIMENSION

TAPE & REEL

6°TYP.

5.60±0.1

10.30±0.1

8.00±0.1   0.4±0.1

4.00±0.10
2.00±0.10
Ø1.50+0.10
10 Pitch Cumulative
Tolerance on tape ±0.2

1.75±0.1

11.50±0.10

24.00±0.3

16.00±0.10

Ø1.5Min

Ø80

24.5

28.5

Ø2.9   Ø25.0

2.4

21.4

Ø330
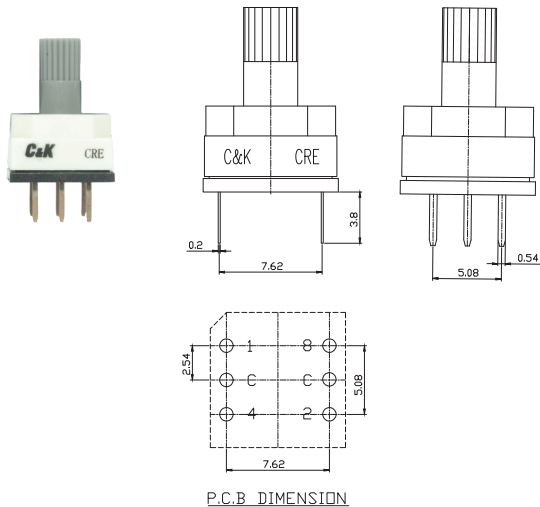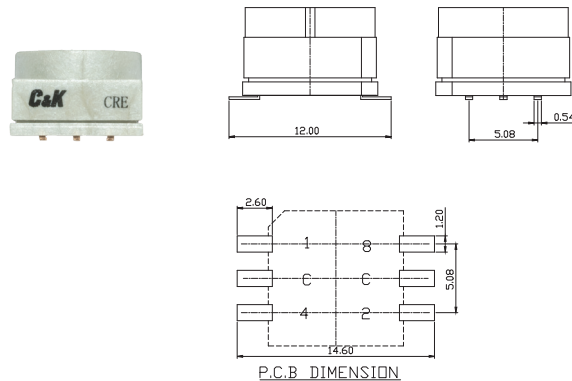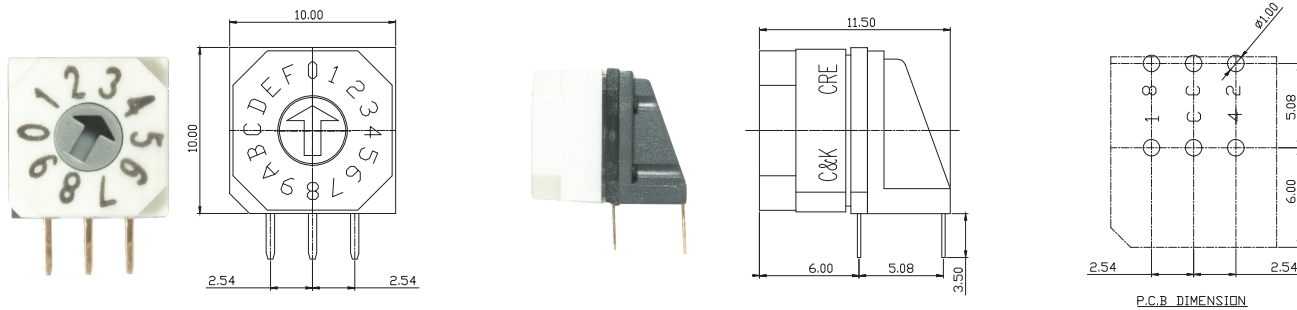
TAPE & REEL: 600 pcs

Third Angle
Projection

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