

## DIP



### Features/Benefits

- ***Process sealed – withstands soldering and cleaning***
- ***Thru-hole and surface mount models***
- ***Crisp, positive detent ensures actuation***

## Typical Applications

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

## Specifications

CONTACT RATING: 0.4 V AC, DC 20 V max.

ELECTRICAL LIFE: 20,000 steps min. @ 5 V DC 10 mA.

MECHANICAL LIFE: 30,000 steps min.

CONTACT RESISTANCE: 100 milliohms max. initial  
@ 2 V DC 10 mA.

INSULATION RESISTANCE: 1000 megohms min. @ 100 V DC

DIELECTRIC STRENGTH: 300 V AC for 1 minute.

OPERATING TEMPERATURE: -20°C to 85°C.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING FORCE: 1000 grams max.

**PACKAGING:** Switches supplied in anti-static tubes in full quantities only. This may affect order quantity. Surface mount models with MO actuators available in tape and reel, 500 pieces per reel.

## Materials

COVER: (PTH) PBT red; (SMT) PPA - red (UL 94V-0).

HOUSING: (PTH) PBT green; (SMT) PPA - red (UL 94V-0).

ACTUATOR: 4/6 nylon PA-6T (UL 94V-0).

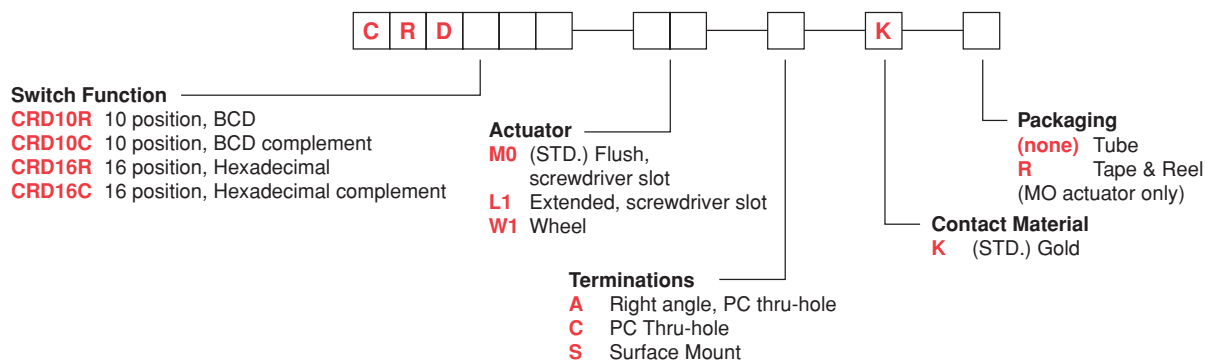
CONTACTS: Beryllium copper with gold plating.

TERMINALS: Brass with tin-lead plate.

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

## How To Order

Our easy 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. .

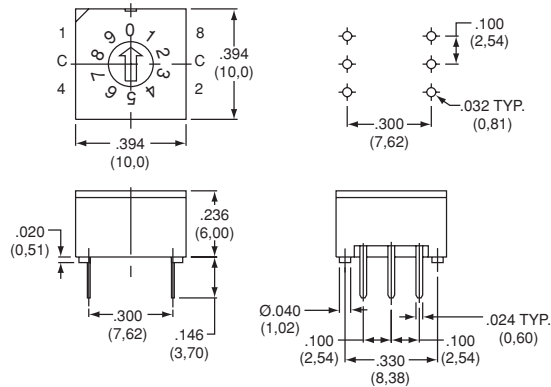


# C&K CRD Series 10mm DIP Coded Rotary Switches

## SWITCHES WITH STANDARD OPTIONS

### PC Mount

| PART NUMBER       | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| <b>CRD10RM0CK</b> | 10       | 45                |
| <b>CRD16RM0CK</b> | 16       | 45                |



CRD10RM0CK

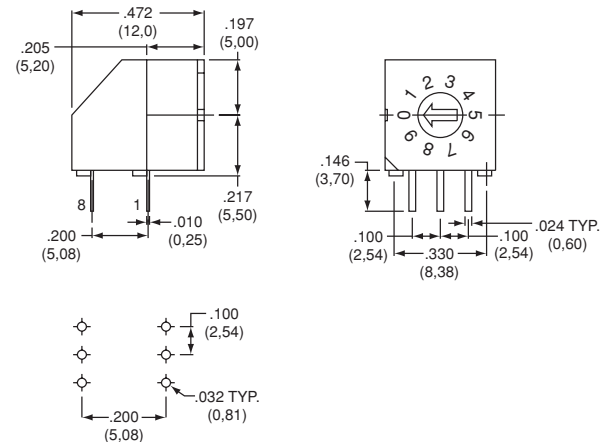


H

DIP

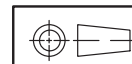
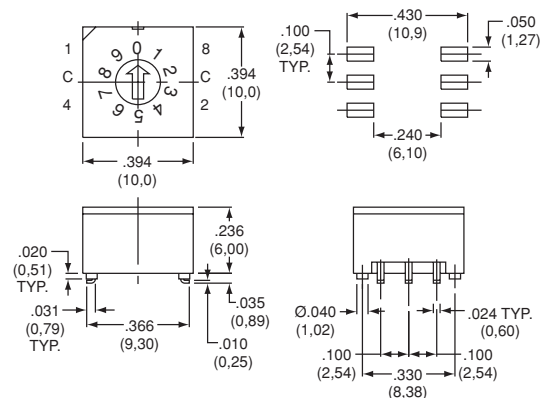
### Right Angle Mount

| PART NUMBER       | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| <b>CRD10RM0AK</b> | 10       | 45                |
| <b>CRD16RM0AK</b> | 16       | 45                |



### Surface Mount

| PART NUMBER       | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| <b>CRD10RM0SK</b> | 10       | 45                |
| <b>CRD16RM0SK</b> | 16       | 45                |



Third Angle  
Projection

# C&K CRD Series

## 10mm DIP Coded Rotary Switches



H

DIP

### SWITCH FUNCTION

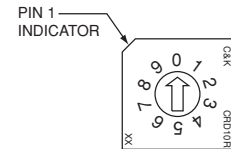


**CRD10R** 10 POSITION, BCD  
ACTUATOR COLOR: WHITE

**CRD10C** 10 POSITION, BCD COMPLEMENT  
ACTUATOR COLOR: BLACK

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|---|---|---|---|---|---|---|---|---|---|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1    |   | ● |   | ● |   | ● |   | ● |   | ● |
| 2    |   |   | ● |   | ● |   | ● |   | ● |   |
| 4    |   |   |   | ● |   | ● |   | ● |   | ● |
| 8    |   |   |   |   |   |   |   |   | ● | ● |

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|---|---|---|---|---|---|---|---|---|---|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1    | ● |   | ● |   | ● |   | ● |   | ● |   |
| 2    | ● |   |   | ● |   | ● |   | ● |   | ● |
| 4    | ● | ● |   | ● |   |   |   | ● |   | ● |
| 8    | ● | ● | ● | ● | ● | ● | ● | ● |   |   |

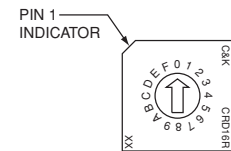


**CRD16R** 16 POSITION, HEXADECIMAL  
ACTUATOR COLOR: WHITE

**CRD16C** 16 POSITION, HEXADECIMAL COMPLEMENT  
ACTUATOR COLOR: BLACK

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1    |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |
| 2    |   |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   |
| 4    |   |   |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |
| 8    |   |   |   |   |   |   |   |   | ● | ● | ● | ● | ● | ● | ● | ● |

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1    | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   |
| 2    | ● |   |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |   | ● |
| 4    | ● | ● |   | ● |   |   |   | ● |   | ● |   | ● |   | ● |   | ● |
| 8    | ● | ● | ● | ● | ● | ● | ● | ● |   |   |   |   |   |   |   |   |



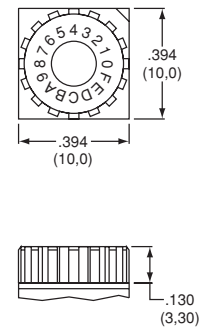
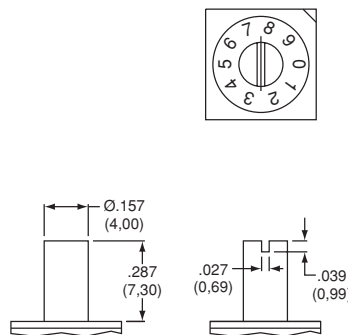
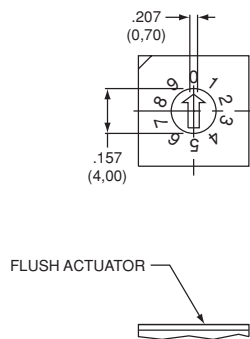
### ACTUATOR



**M0** (STD.) FLUSH WITH SCREWDRIVER SLOT

**L1** EXTENDED WITH SCREWDRIVER SLOT

**W1** WHEEL



NOTE: Designed for #0 Phillips screwdriver.



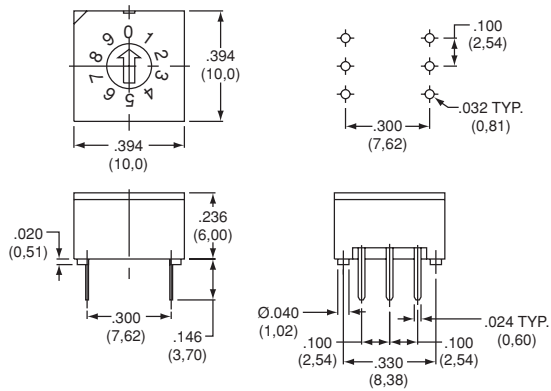
Third Angle  
Projection

Dimensions are shown in inch (mm)  
Dimensions subject to change

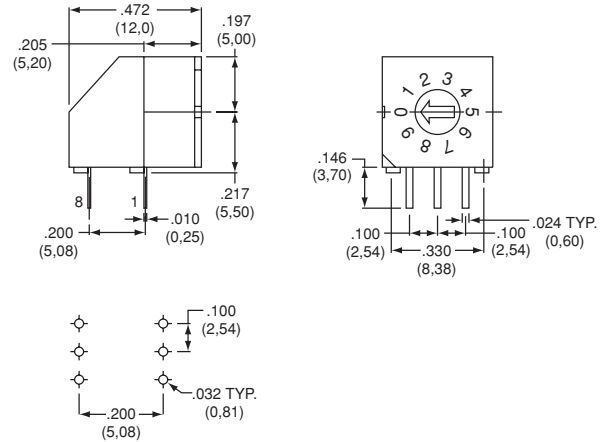
# C&K CRD Series 10mm DIP Coded Rotary Switches

## TERMINATIONS

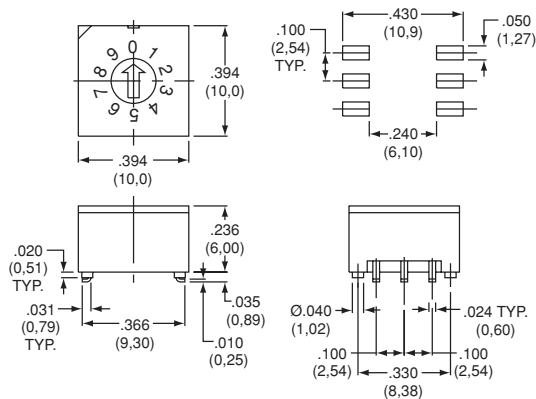
### C PC THRU-HOLE



### A RIGHT ANGLE, PC THRU-HOLE



### S SURFACE MOUNT

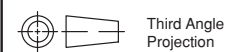
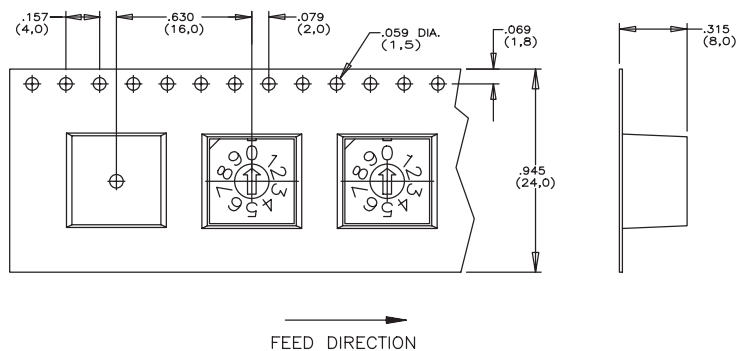


## CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL | TERMINAL PLATING | RATING                                                   |
|-------------|------------------|------------------|----------------------------------------------------------|
| K (STD.)    | GOLD             | TIN-LEAD         | LOW LEVEL/DRY CIRCUIT 0.4 V AC MAX. @ 20 V AC or DC MAX. |

# C&K CRD Series 10mm DIP Coded Rotary Switches

## TAPE & REEL



Dimensions are shown in inch (mm)  
Dimensions subject to change