

CRD Series 10mm DIP Coded Rotary Switches



H

DIP

Features/Benefits

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

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 M0 actuators available in tape and reel, 500 pieces per reel.

Materials

COVER: PPS (black)
 HOUSING: PPS (black)
 ACTUATOR: PA 6T M0 actuator option; PBT L1 and W1 actuator option.
 CONTACTS: Beryllium Copper with Gold over Nickel plate
 TERMINALS: Brass with Gold Nickel 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

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.



* Note - L1 and W1 actuators are not available in termination "S"



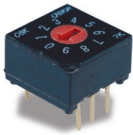
Dimensions are shown: Inch (mm)
 Specifications and dimensions subject to change



CRD Series 10mm DIP Coded Rotary Switches

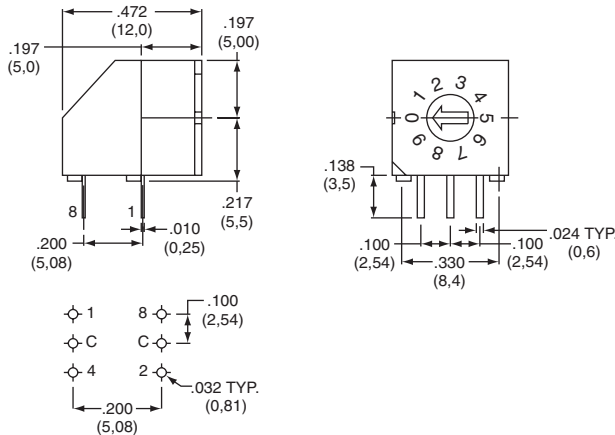
SWITCHES WITH STANDARD OPTIONS

PC Mount



| PART NUMBER | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| CRD10RM0CB | 10 | 45 |
| CRD16RM0CB | 16 | 45 |

Right Angle Mount



| PART NUMBER | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| CRD10RM0AB | 10 | 45 |
| CRD16RM0AB | 16 | 45 |

Surface Mount



| PART NUMBER | NO. POS. | QUANTITY PER TUBE |
|-------------------|----------|-------------------|
| CRD10RM0SB | 10 | 45 |
| CRD16RM0SB | 16 | 45 |



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

CRD Series 10mm DIP Coded Rotary Switches

SWITCH FUNCTION

CRD10R

10 POSITION, BCD
ACTUATOR COLOR: RED

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

Switches ship and to be solder processed in position "0"

CRD10C

10 POSITION, BCD COMPLEMENT
ACTUATOR COLOR: ORANGE

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

Switches ship and to be solder processed in position "7"



CRD16R

16 POSITION, HEXADECIMAL
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 | | | | | ● | | ● | | ● | | ● | | ● | | ● | |

Switches ship and to be solder processed in position "0"

CRD16C

16 POSITION, HEXADECIMAL COMPLEMENT
ACTUATOR COLOR: WHITE

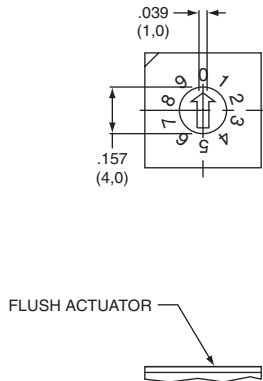
| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1 | ● | | ● | | ● | | ● | | ● | | ● | | ● | | ● | |
| 2 | ● | | ● | | ● | | ● | | ●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

Switches ship and to be solder processed in position "F"



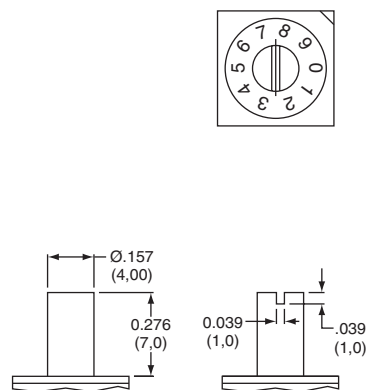
ACTUATOR

(STD.) FLUSH WITH SCREWDRIVER SLOT



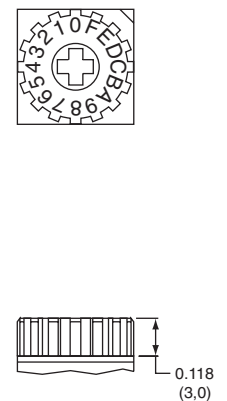
L1*

EXTENDED WITH SCREWDRIVER SLOT



W1*

WHEEL



NOTE: Designed for #0 Phillips screwdriver.

* L1 and W1 actuators are not available in termination "S"



Third Angle
Projection

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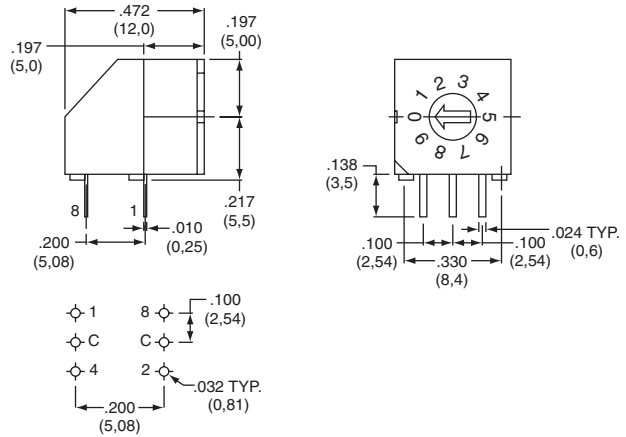
TERMINATIONS



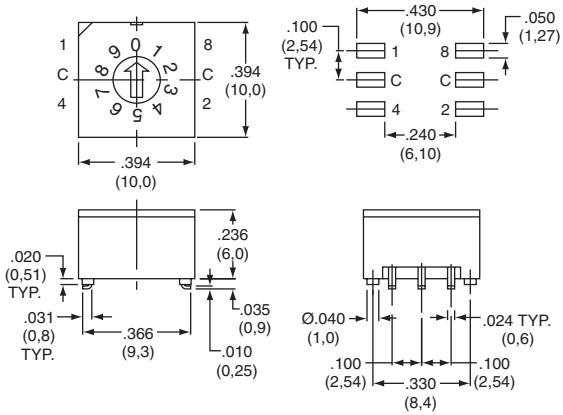
C PC, THRU-HOLE



A RIGHT ANGLE, PC THRU-HOLE



S SURFACE MOUNT



MO

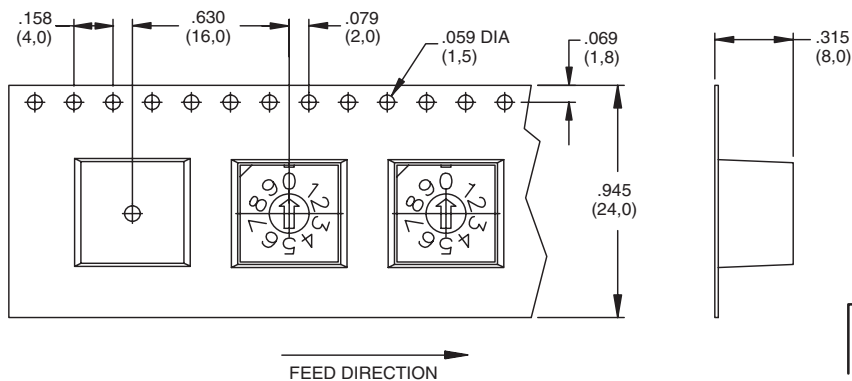
CONTACT MATERIAL



| OPTION CODE | RoHS COMPLIANT* | RoHS COMPATIBLE* | CONTACT MATERIAL | TERMINAL PLATING | RATING | |
|-------------|-----------------|------------------|------------------|------------------|-----------------------|----------------------------------|
| B | YES | YES | GOLD | GOLD | LOW LEVEL/DRY CIRCUIT | 0.4 VC MAX. @ 20 V AC or DC MAX. |

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

TAPE & REEL



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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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