

**NEW**

# RTF Series 7.2mm x 7.2mm Low Profile Rotary DIP Switches



**H**

**DIP**

## Features/Benefits

- **New generation**
- **Most compact rotary DIP switch**
- **Thru-hole, Crimped, J-Hook, Angled and Surface Mount Models**
- **New designs with different actuators**
- **IP67**
- **RoHS compatible and compliant**

## Typical Applications

- **Industrial and control automation**
- **Computer and peripherals**
- **Instrumentation**
- **Security devices**



## Specifications

CONTACT RATING: 100mA, DC 5V (switching)  
100mA, DC 50V (non-switching)

MECHANICAL & ELECTRICAL LIFE: 10,000 cycles  
INITIAL CONTACT RESISTANCE: 100 milliohms max.  
INSULATION RESISTANCE: 100 megohms min.  
OPERATING TEMPERATURE: -25°C to 85°C.  
STORAGE TEMPERATURE: -40°C to 85°C.  
OPERATING FORCE: 200 gf max.

SOLDER CONDITIONS:  
- Iron soldering: C/K/S/A/J termination: 3s/350°C  
- Wave soldering: C/K/A termination: 5s/280°C  
- Reflow soldering: S/J termination: 10s/260°C

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

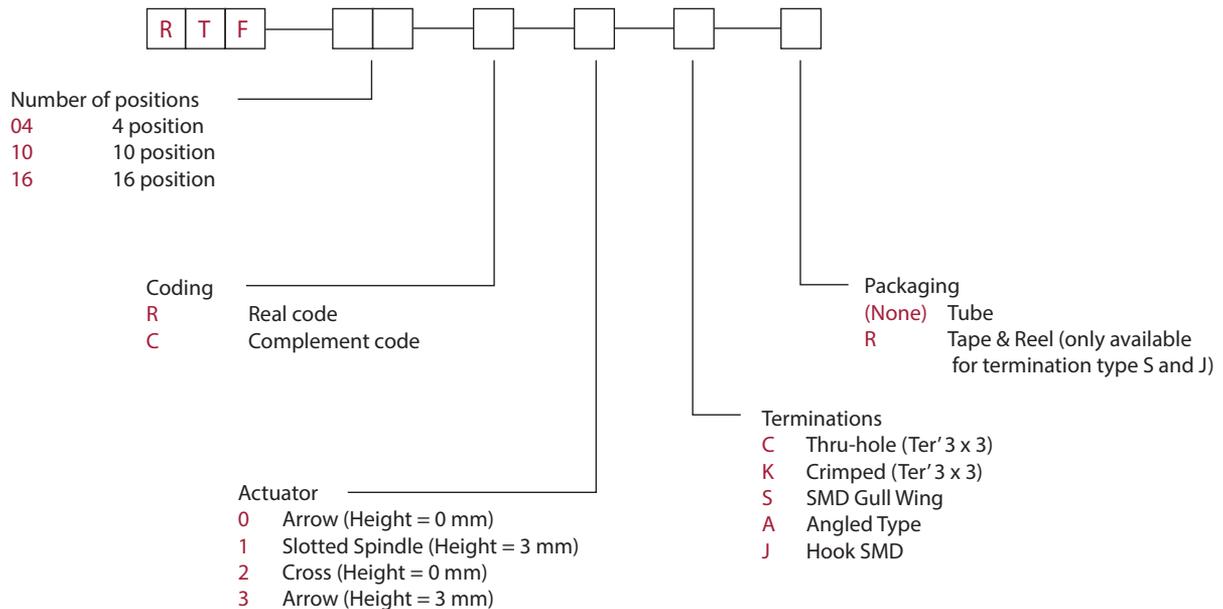
PACKAGING: Switches are supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantities. Number of switches per tube varies with model. Tape and reel packing is only available with "S" and "J" type terminations.

## Materials

COVER: Stainless steel  
BASE: LCP  
ACTUATOR: LCP  
CONTACTS: Phosphor bronze  
SPRING & GUIDE PLATE: Stainless steel  
TERMINALS: Brass  
O-RING: Silicon

## 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.



Third Angle Projection

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



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## CODING

### R Real Code

04 POSITION

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

10 POSITION

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

16 POSITION

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

### C Complement Code

04 POSITION

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

10 POSITION

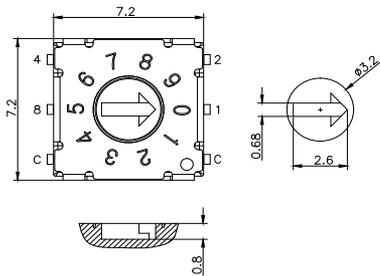
		Complement Code				
		C	1	2	4	8
10 POSITION	0	●	●	●	●	●
	1	●	●	●	●	●
	2	●	●	●	●	●
	3	●	●	●	●	●
	4	●	●	●	●	●
	5	●	●	●	●	●
	6	●	●	●	●	●
	7	●	●	●	●	●
	8	●	●	●	●	●
	9	●	●	●	●	●

16 POSITION

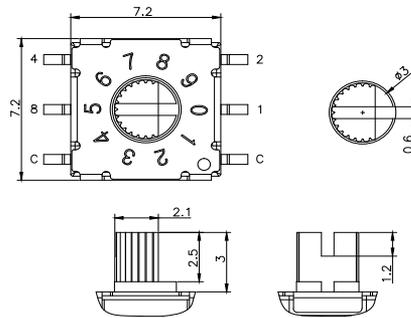
		Complement Code				
		C	1	2	4	8
16 POSITION	0	●	●	●	●	●
	1	●	●	●	●	●
	2	●	●	●	●	●
	3	●	●	●	●	●
	4	●	●	●	●	●
	5	●	●	●	●	●
	6	●	●	●	●	●
	7	●	●	●	●	●
	8	●	●	●	●	●
	9	●	●	●	●	●
	A	●	●	●	●	●
	B	●	●	●	●	●
	C	●	●	●	●	●
	D	●	●	●	●	●
	E	●	●	●	●	●
	F	●	●	●	●	●

## ACTUATOR

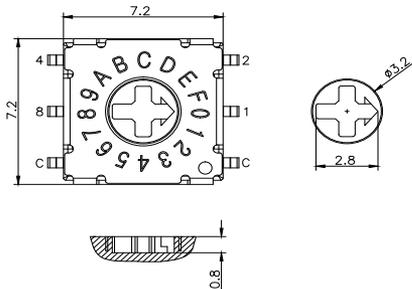
### 0 Arrow (Height = 0 mm)



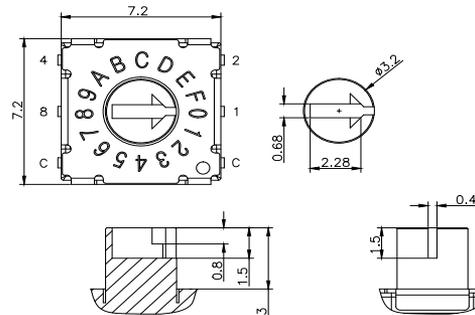
### 1 Slotted Spindle (Height = 3 mm)



### 2 Cross (Height = 0 mm)



### 3 Arrow (Height = 3 mm)



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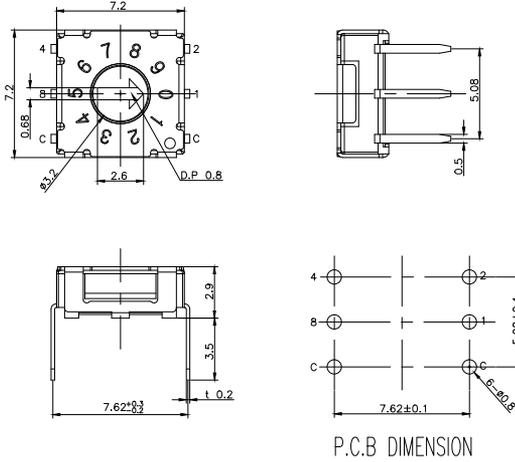
## TERMINATIONS



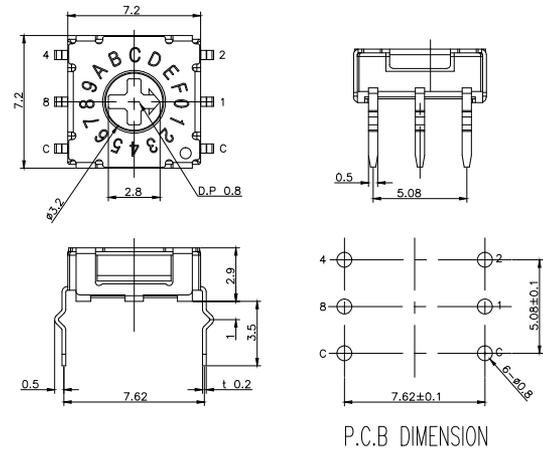
**H**

**DIP**

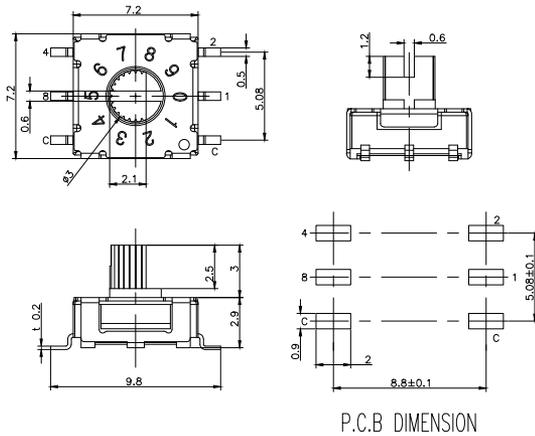
### C Thru-hole



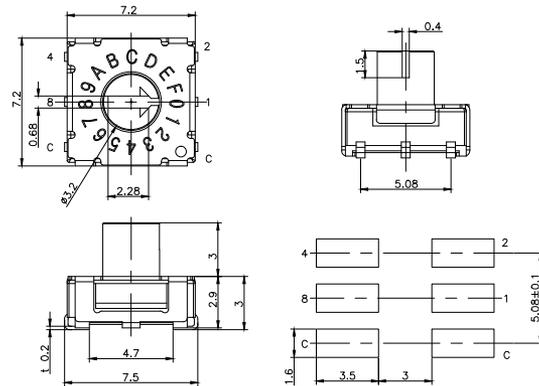
### K Crimped (Ter' 3 x 3)



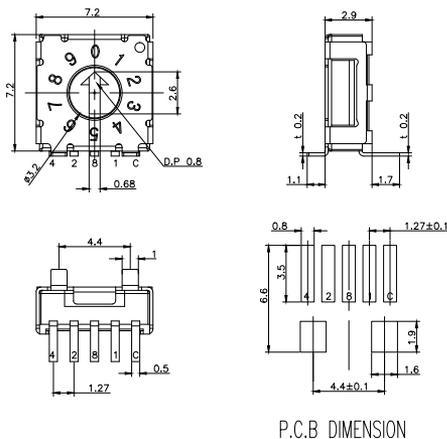
### S SMD Gull Wing



### J Hook SMD



### A Angled Type



Third Angle  
Projection

Dimensions are shown: Inch (mm)  
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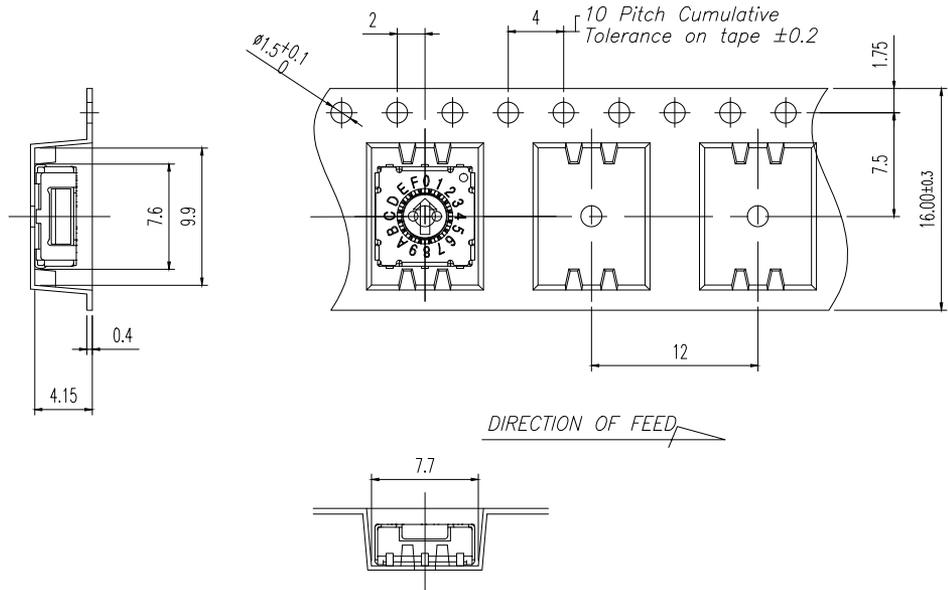
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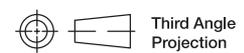
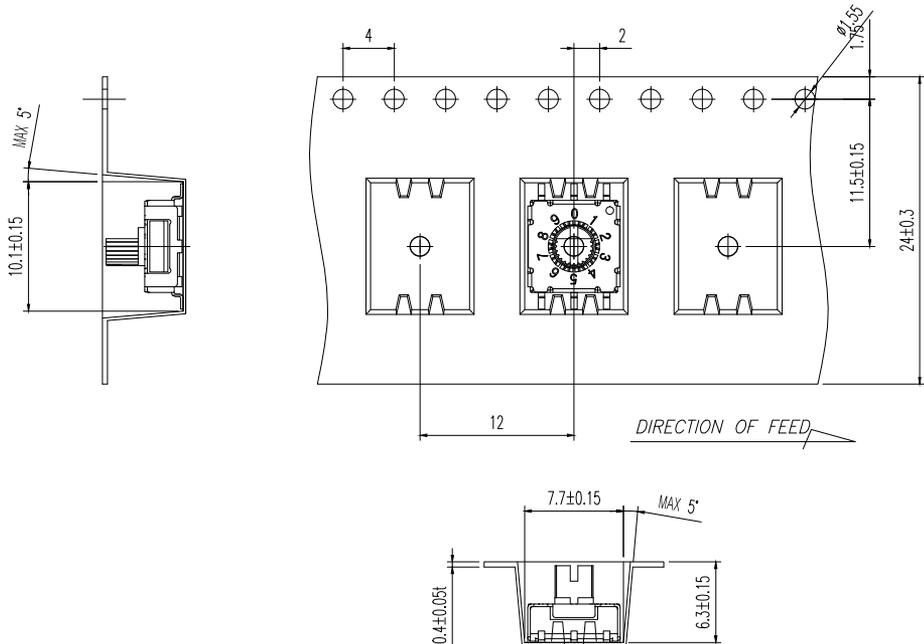
## TAPE & REEL

DIP

The tape and reel is applicable for  
Actuator 0 or 2 with  
Termination S or J  
1300 pcs/reel



The tape and reel is applicable for  
Actuator 1 or 3 with  
Termination S or J  
800 pcs/reel



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