NEW

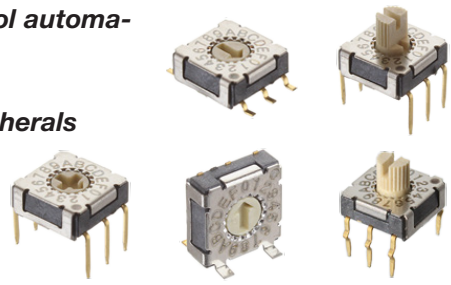
RTF Series
7.2mm x 7.2mm Low Profile Rotary DIP Switches

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*
- *Automotive*
- *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: -40°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, gold plated
SPRING & GUIDE PLATE: Stainless steel
TERMINALS: Brass, gold plated
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.

R T F

Number of positions
04 4 position
10 10 position
16 16 position

Coding
R Real code
C Complement code

Actuator
0 Arrow (Height = 0 mm)
1 Slotted Spindle (Height = 3 mm)
2 Cross (Height = 0 mm)
3 Arrow (Height = 3 mm)

Terminations
C Thru-hole (Ter’3 x 3)
K Crimped (Ter’3 x 3)
S SMD Gull Wing
A Angled Type
J Hook SMD

Packaging
(None) Tube
R Tape & Reel (only available for termination type S and J)

Third Angle Projection

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

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

NEW

CODING

R Real Code

04 POSITION

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

10 POSITION

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

16 POSITION

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

C Complement Code

04 POSITION

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

10 POSITION

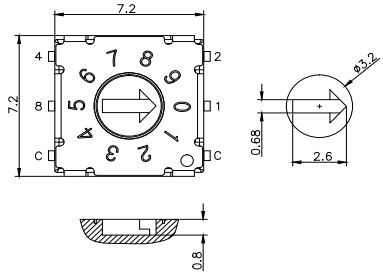
	Complement Code				
10 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●		●	●	●
2	●	●		●	●
3	●			●	●
4	●	●	●		●
5	●		●		●
6	●	●			●
7	●				●
8	●	●	●	●	
9	●		●	●	

16 POSITION

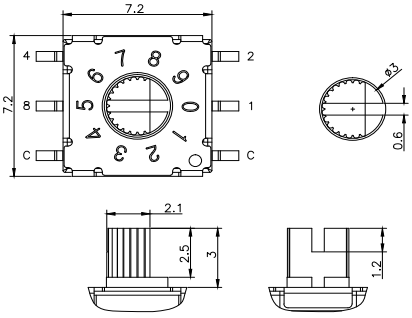
	Complement Code				
16 POSITION	C	1	2	4	8
0	●	●	●	●	●
1	●		●	●	●
2	●	●		●	●
3	●			●	●
4	●	●	●		●
5	●		●		●
6	●	●			●
7	●				●
8	●	●	●	●	
9	●		●	●	
A	●	●		●	
B	●			●	
C	●	●	●		
D	●		●		
E	●	●			
F	●				

ACTUATOR

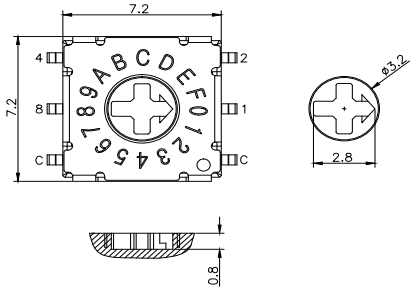
0 Arrow (Height = 0 mm)



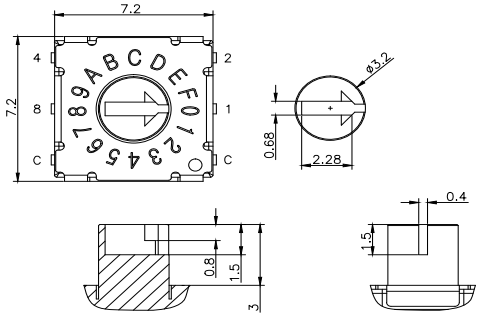
1 Slotted Spindle (Height = 3 mm)



2 Cross (Height = 0 mm)



3 Arrow (Height = 3 mm)

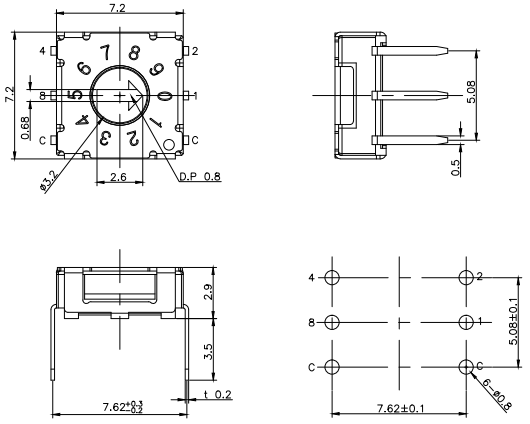


Third Angle Projection

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

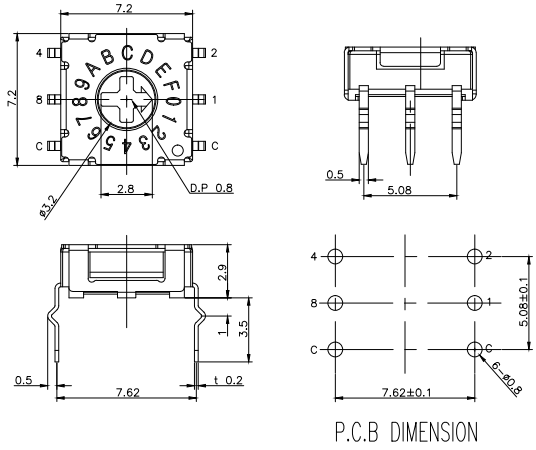
TERMINATIONS

C Thru-hole



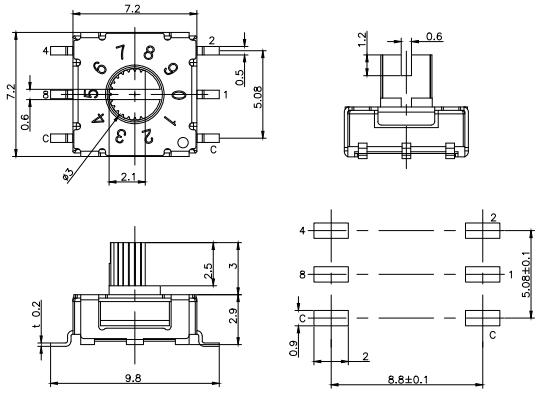
P.C.B DIMENSION

K Crimped (Ter' 3 x 3)



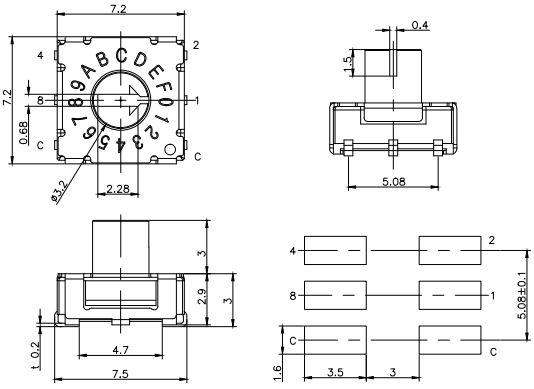
P.C.B DIMENSION

S SMD Gull Wing

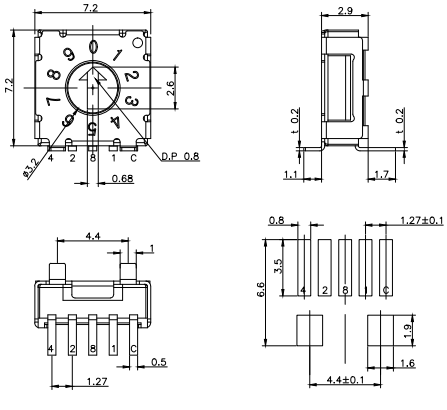


P.C.B DIMENSION

J Hook SMD



A Angled Type



P.C.B DIMENSION

Third Angle Projection

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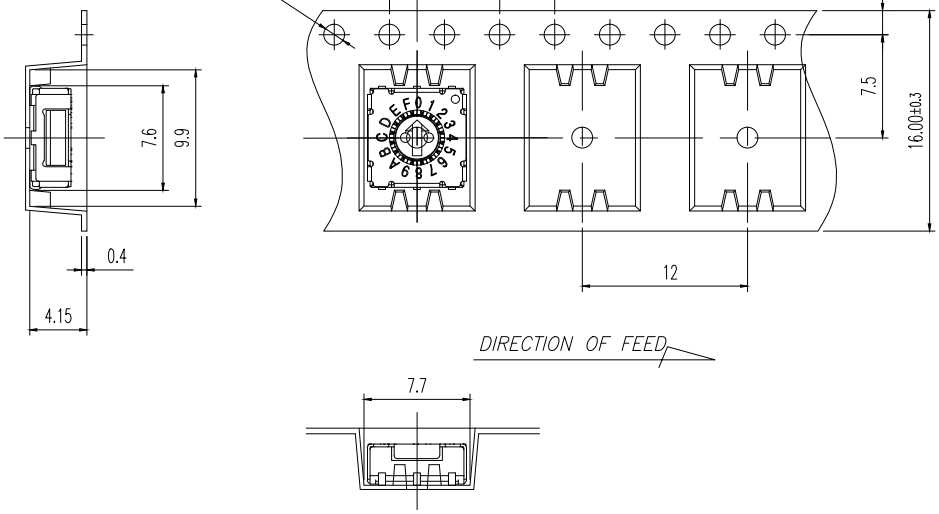
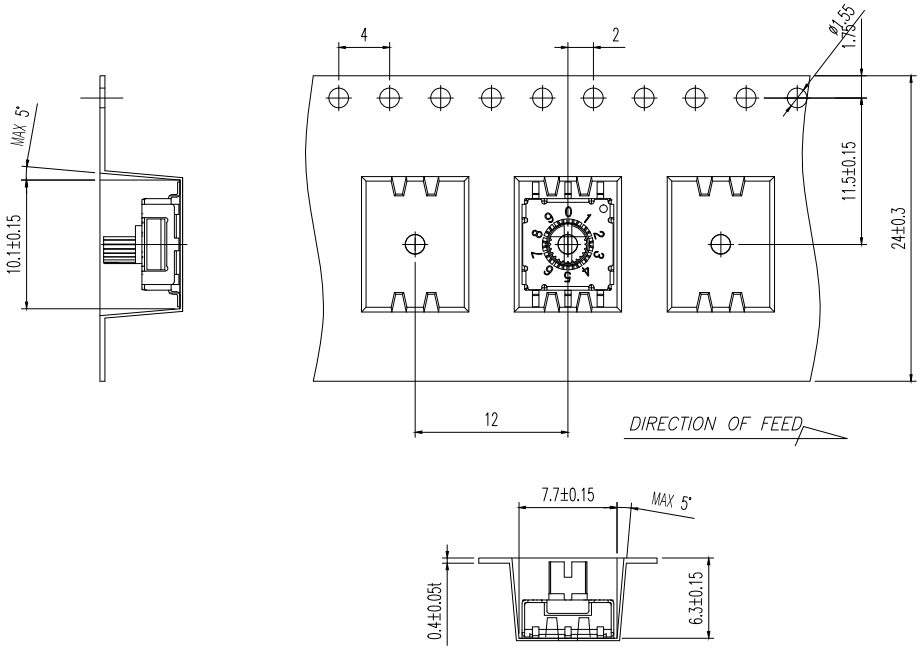
NEW

TAPE & REEL

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



Third Angle Projection

Dimensions are shown: Inch (mm)
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