

General Specification

- 1) **Rating :** 150mA, DC 42V (Switching)
200mA, DC 42V (None-Switching)
- 2) **Contact Resistance :** 80mΩ Max.
- 3) **Insulation Resistance :** 100MΩ Min at 250V
- 4) **Operating Force :** 700gf Max.
- 5) **Life Cycle :** 10,000 steps
- 6) **Sealing :** IP67 (Dust & Water proof)
Except cross type of Actuator ("E" Type)
- 7) **Operating Temperature :** -40°C to +85°C
- 8) **Soldering :** Maximum reflow temperature, 260°C±5°C for 5 seconds
Maximum wave temperature 260°C±5°C for 5~10 seconds
Maximum manual temperature 350°C for 3 seconds

Rotary DIP Switch Characteristics

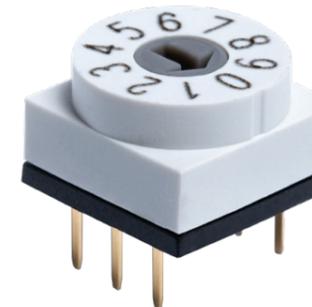
- 1) Dimension(mm) : 10 X 10 / 7.4 X 7.4 / 7.2 X 7.2
- 2) THT, SMD, Right Angled Type
- 3) Covers in Round, Square, and Octagon Shapes
- 4) Accommodates Various Positions (4, 6, 8, 10, 16)
- 5) Selectable Code Values, including Real, Complement, Gray, etc.
- 6) IP67 Rating (Waterproof and Dustproof)
- 7) Gold Plate Contacts
- 8) RoHS Compliant (Pb free)

Applications

- System Air conditioner
- Industrial Automation
- Motion Controller
- LED Control Driver
- Electric Vehicle(EV) Charger
- Circuit Breaker
- CCTV
- Communication Transmitter



Switch Ordering Information



RJST - D R - 10 S - TR

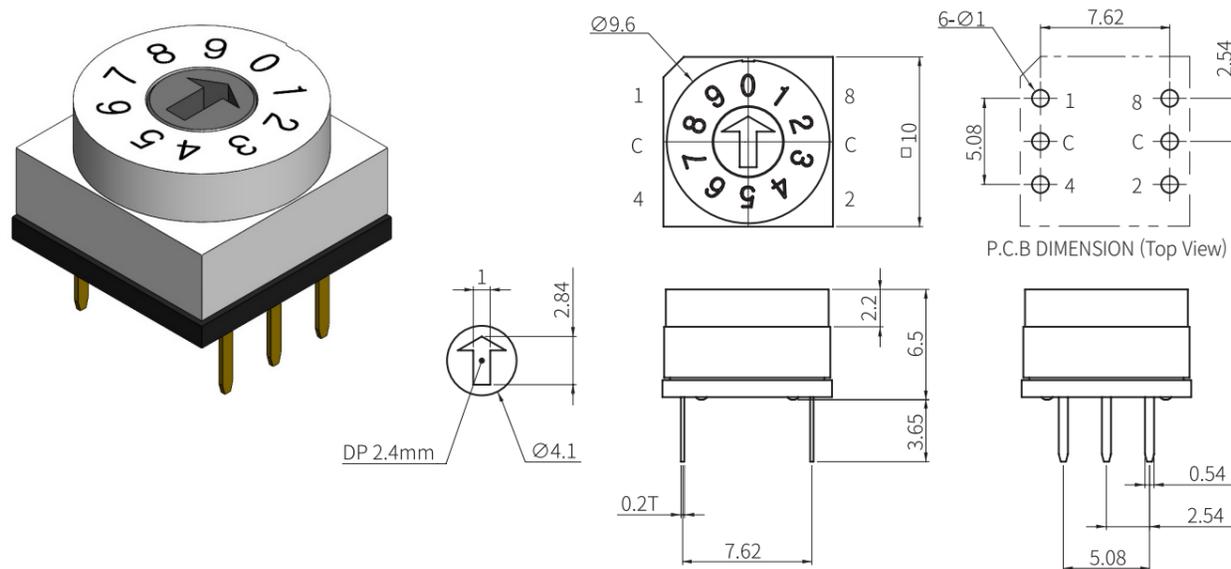
1 2 3 4 5 6

1 Cover Type T Round (Ter' 3x3)	2 Actuator D Arrow / Height = 0mm S Arrow / Height = 7.3mm P Arrow / Height = 1.0mm E Cross / Height = 0mm	3 Code R Real Code C Complement Code G Gray Code <small>*Other special codes are available upon the request.</small>
4 Position 04 4 Position 06 6 Position 08 8 Position 10 10 Position 16 16 Position	5 Terminal - Through-Hole (Ter 3x3) C Through-Hole (Ter' 3x2) S SMD Gull Wing (Ter' 3x3) SC SMD Gull Wing (Ter 3x2) H Right Angled 5.08mm H1 Right Angled 2.54mm	6 Packing - Tube Packing TR Reel Packing

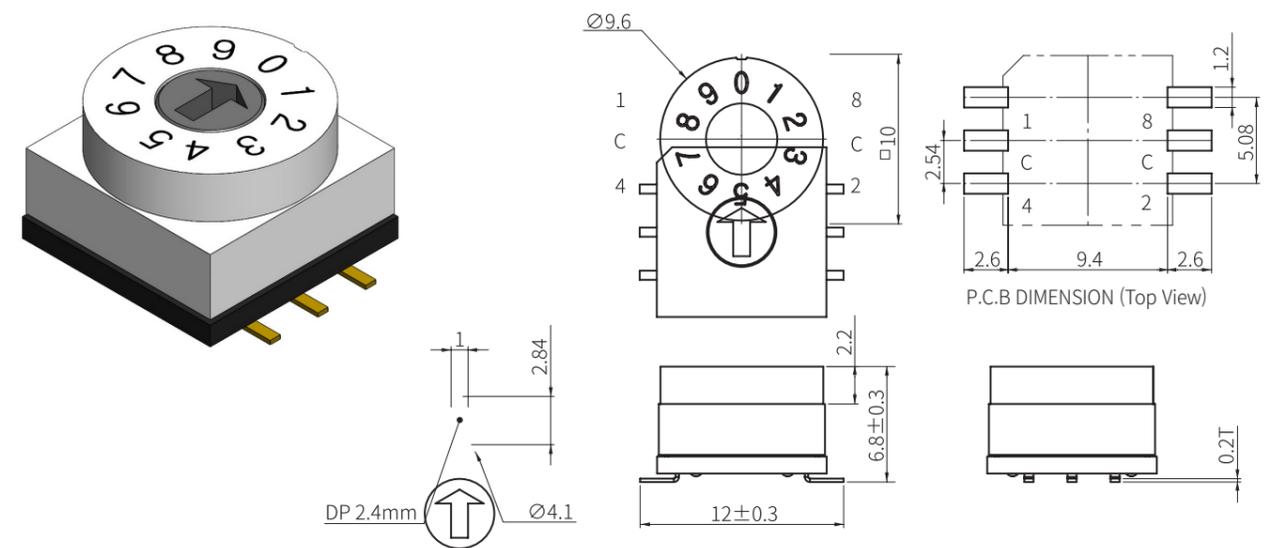


General Dimensions

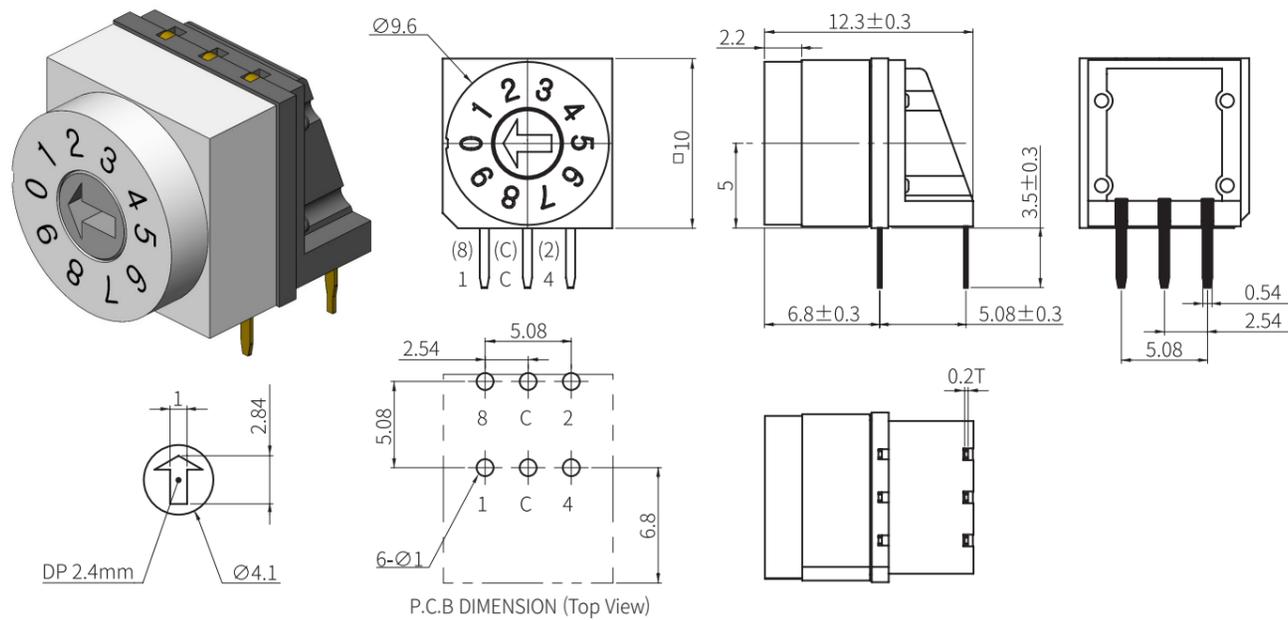
Through Hole Type Layout



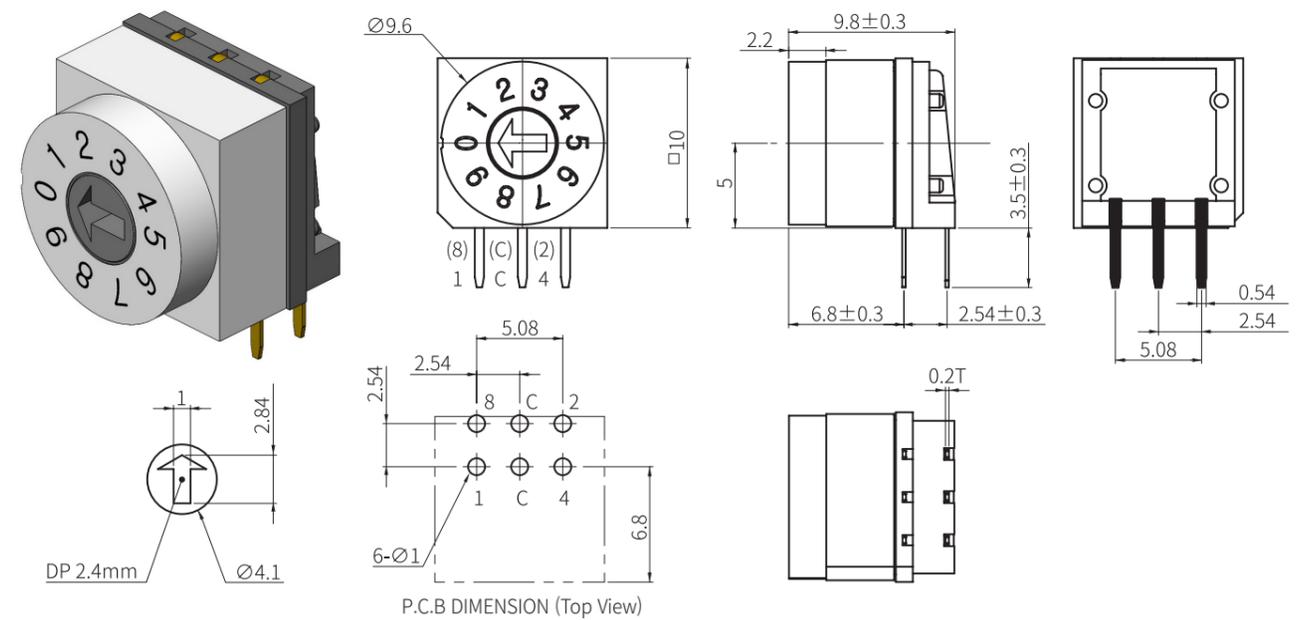
SMD Gull Wing Type Layout



Right Angled Type Layout (H:5.08mm)



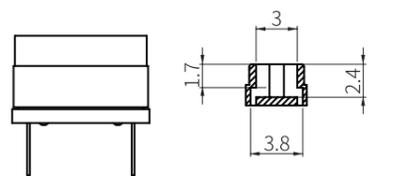
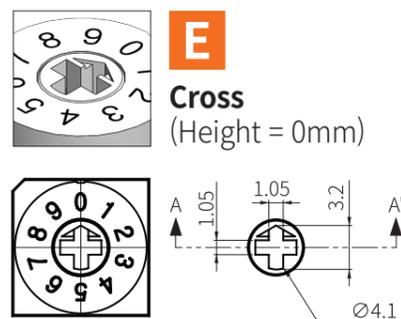
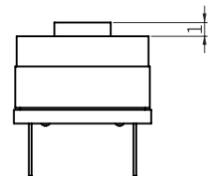
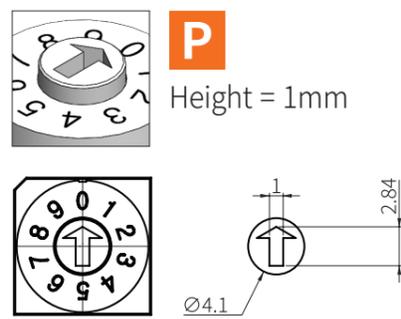
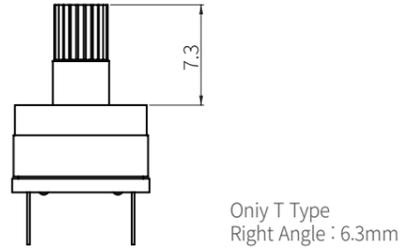
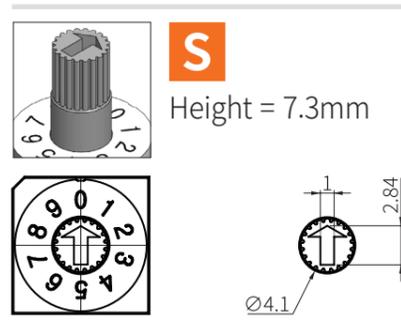
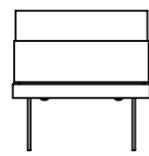
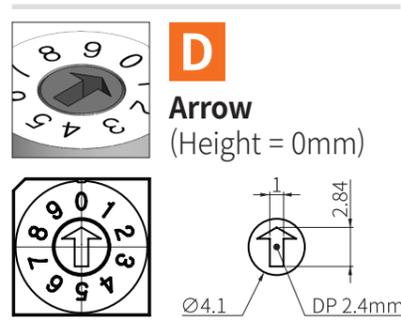
Right Angled Type Layout (H1:2.54mm)



Actuator Options

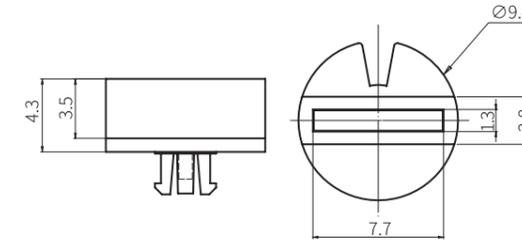
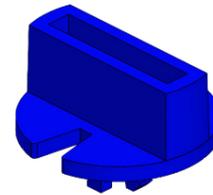
RJST - DR - 10S - TR

Actuator
D Arrow / Height = 0mm
S Arrow / Height = 7.3mm
P Arrow / Height = 1.0mm
E Cross / Height = 0mm



** Applicable to only 'E' Type Actuators/Should be mounted after soldering

1 RK-100 Series

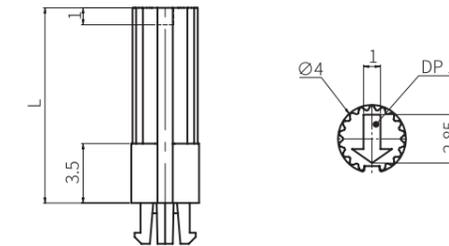


RK-100

Color

- G : Gray
- R : Red
- K : Black
- Y : Yellow
- B : Blue
- GR : Green
- C : Clear

2 RK-200 Series



RK-20

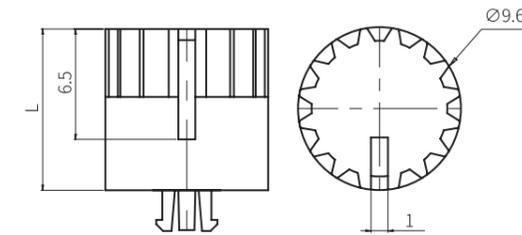
Length

- 0 : 7.2mm
- 1 : 11.5mm
- 2 : 13.2mm
- 3 : 6.3mm

Color

- G : Gray
- R : Red
- K : Black
- Y : Yellow
- B : Blue
- GR : Green
- C : Clear

3 RK-300 Series



RK-30

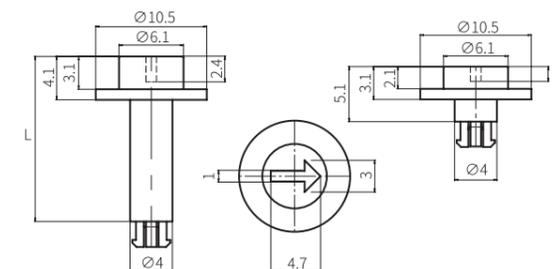
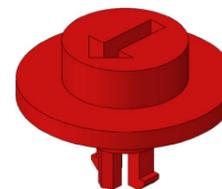
Length

- 0 : 9.4mm
- 1 : 14.4mm
- 2 : 18.9mm

Color

- G : Gray
- R : Red
- K : Black
- Y : Yellow
- B : Blue
- GR : Green
- C : Clear

4 RK-400 Series



RK-40

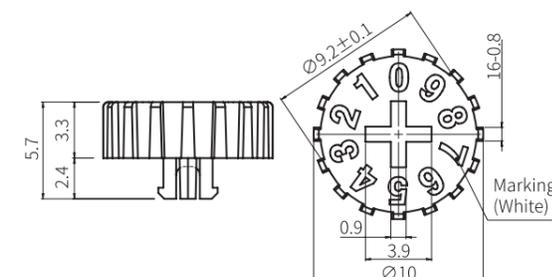
Length

- 0 : 5.1mm
- 1 : 15.4mm
- 2 : 28.8mm
- 3 : 34.2mm

Color

- G : Gray
- R : Red
- K : Black
- Y : Yellow
- B : Blue
- GR : Green
- C : Clear

5 RK-500 Series



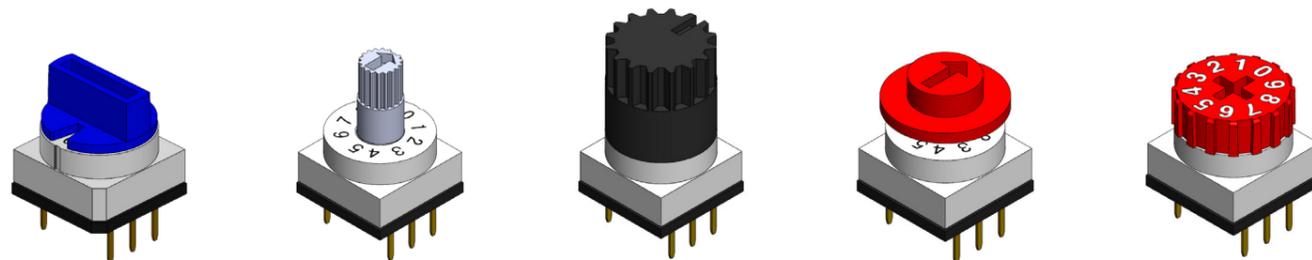
RK-500

Color

- R : Red
- K : Black

Print Spec.

- 04 : 04 Position
- 06 : 04 Position
- 08 : 04 Position
- 10 : 04 Position
- 16 : 04 Position



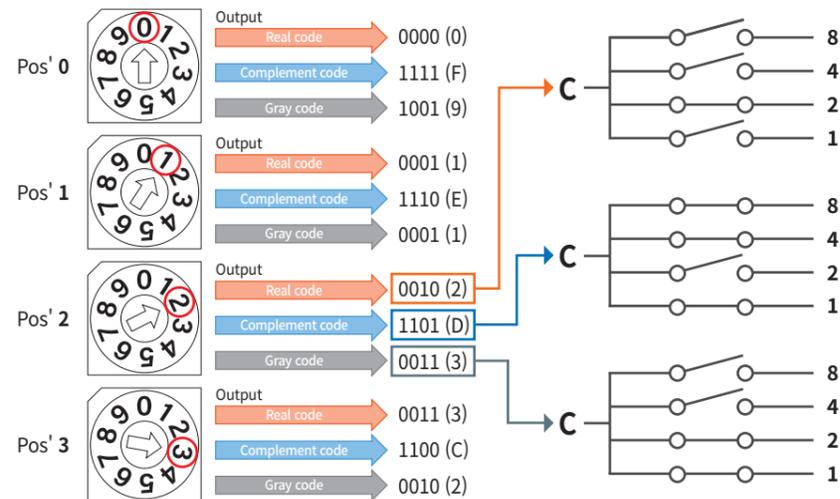
Code Options

RJST - DR - 10S - TR

Code

- R Real Code
- C Complement Code
- G Gray Code

*Other special codes are available upon the request.



Special Code

B

16 Position	Complement Code				
	C	1	2	4	8
0	•	•	•	•	•
1	•	•	•	•	•
2	•	•	•	•	•
3	•	•	•	•	•
4	•	•	•	•	•
5	•	•	•	•	•
6	•	•	•	•	•
7	•	•	•	•	•
8	•	•	•	•	•
9	•	•	•	•	•
10	•	•	•	•	•
11	•	•	•	•	•
12	•	•	•	•	•
13	•	•	•	•	•
14	•	•	•	•	•
15	•	•	•	•	•

• 8 2 •
• C C •
• 4 1 •
16 POSITION

D

04 Position	Decimal Code			
	C	1	2	3
C	•			•
1	•	•		
2	•		•	
3	•			•

• 1 2 •
• C C •
• 4 3 •
04 POSITION

R Real Code

16 Position	10 Position	08 Position	06 Position	Real Code			
				C	1	2	4
0	•	•	•	•	•	•	•
1	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•
11	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•
15	•	•	•	•	•	•	•

• 2 •
• C C •
• 1 •
04 POSITION

• 1 8 •
• C C •
• 4 2 •
06/08/10/16 POSITION

C Complement Code

16 Position	10 Position	08 Position	06 Position	Complement Code			
				C	1	2	4
0	•	•	•	•	•	•	•
1	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•
11	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•
15	•	•	•	•	•	•	•

• 2 •
• C C •
• 1 •
04 POSITION

• 1 8 •
• C C •
• 4 2 •
06/08/10/16 POSITION

G Gray Code

10 Position	Gray Code				16 Position	Gray Code			
	C	1	2	4		C	1	2	4
0	•	•	•	•	•	•	•	•	•
1	•	•	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•
11	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•	•	•
15	•	•	•	•	•	•	•	•	•

• 1 8 •
• C C •
• 4 2 •
10 /16 POSITION

H

16 Position	Complement Code				
	C	1	2	4	8
0	•	•	•	•	•
1	•	•	•	•	•
2	•	•	•	•	•
3	•	•	•	•	•
4	•	•	•	•	•
5	•	•	•	•	•
6	•	•	•	•	•
7	•	•	•	•	•
8	•	•	•	•	•
9	•	•	•	•	•
10	•	•	•	•	•
11	•	•	•	•	•
12	•	•	•	•	•
13	•	•	•	•	•
14	•	•	•	•	•
15	•	•	•	•	•

• 4 1 •
• C C •
• 8 2 •
16 POSITION

J

16 Position	10 Position	Real Code			
		C	1	2	4
0	•	•	•	•	•
1	•	•	•	•	•
2	•	•	•	•	•
3	•	•	•	•	•
4	•	•	•	•	•
5	•	•	•	•	•
6	•	•	•	•	•
7	•	•	•	•	•
8	•	•	•	•	•
9	•	•	•	•	•
10	•	•	•	•	•
11	•	•	•	•	•
12	•	•	•	•	•
13	•	•	•	•	•
14	•	•	•	•	•
15	•	•	•	•	•

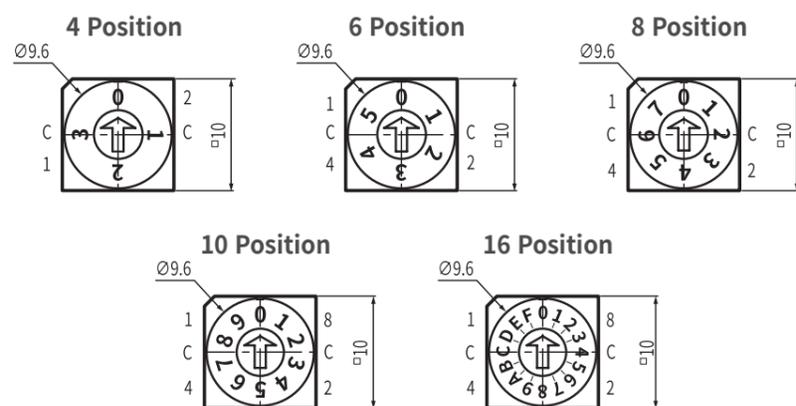
• 4 1 •
• C C •
• 8 2 •
10/16 POSITION

Position Options

RJST - DR - 10S - TR

Position

- 04 4 Position
- 06 6 Position
- 08 8 Position
- 10 10 Position
- 16 16 Position



K

04 Position	Special Code mit / with 2"C"				
	C	1	2	C'	1' 2'
0	•	•	•	•	•
1	•	•	•	•	•
2	•	•	•	•	•
3	•	•	•	•	•

• C 2 •
• 1 C •
• 2 1 •
04 POSITION

L

06 Position	Decimal Code				
	C	1	2	3	4
C	•				
1	•	•			
2	•		•		
3	•			•	
4	•				•
5	•				

• 5 4 •
• C 3 •
• 1 2 •
06 POSITION

M

04 Position	Code			
	C	0	1	2
C	•			
1	•	•		
2	•		•	
3	•			•

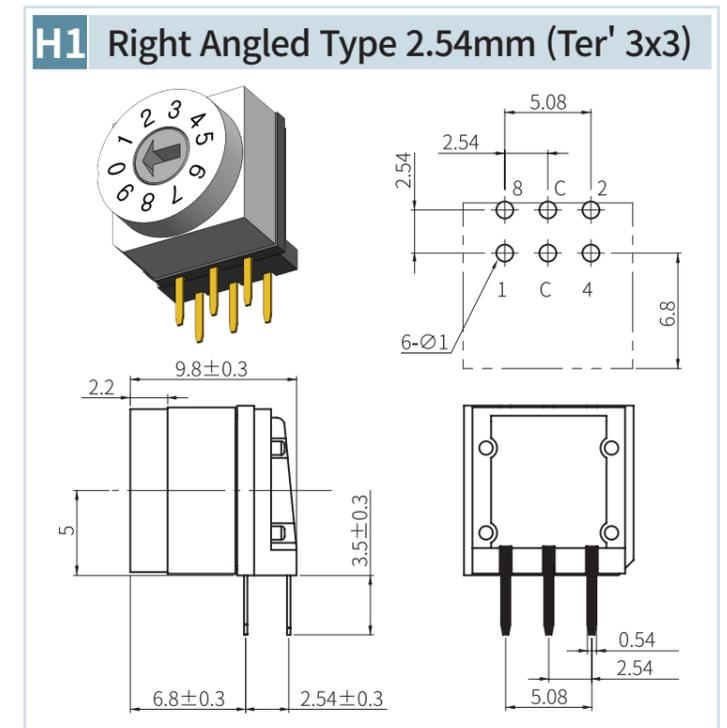
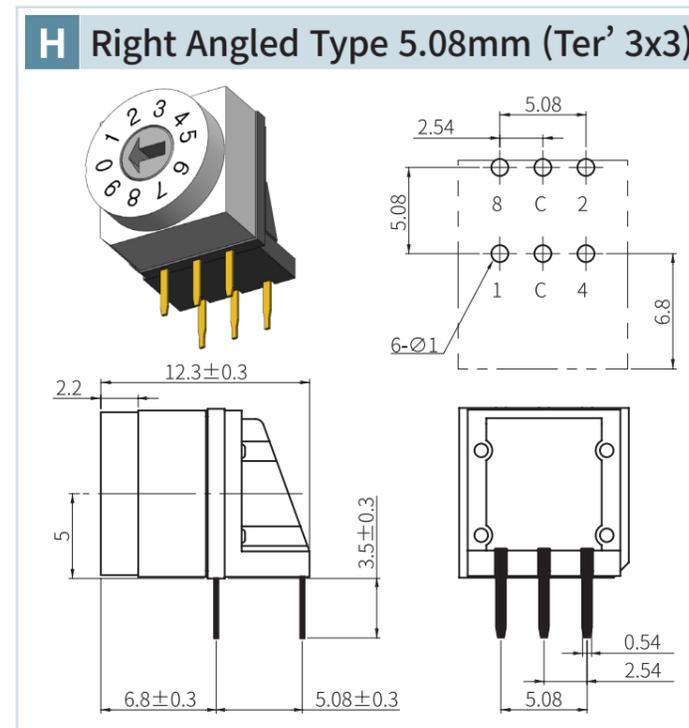
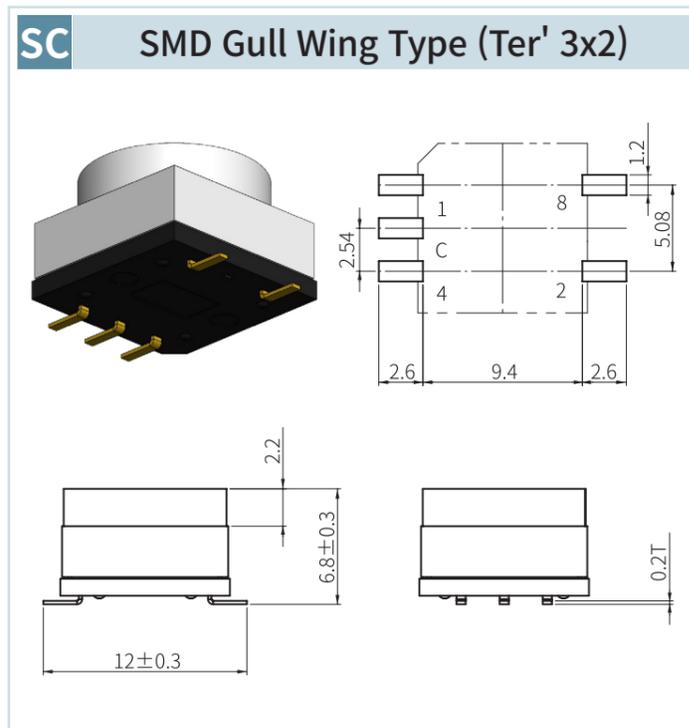
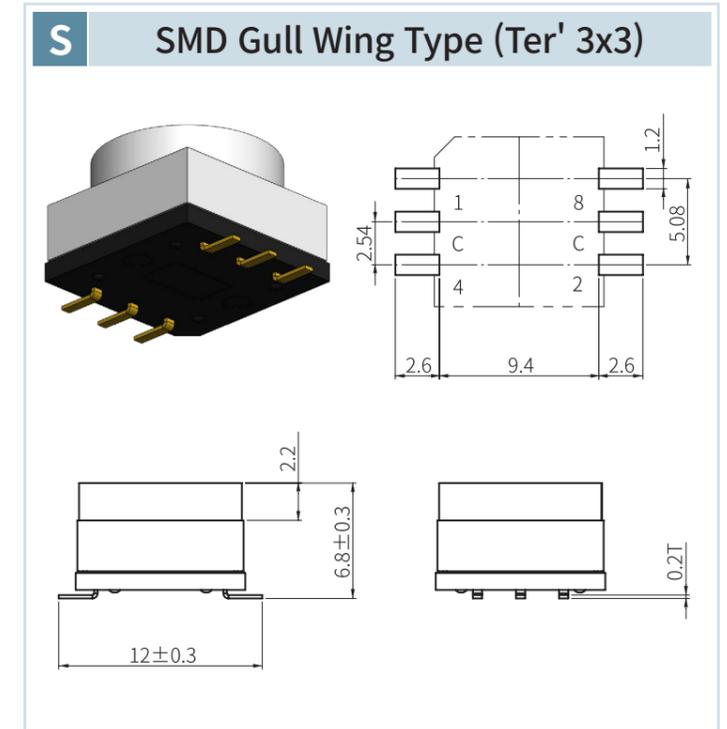
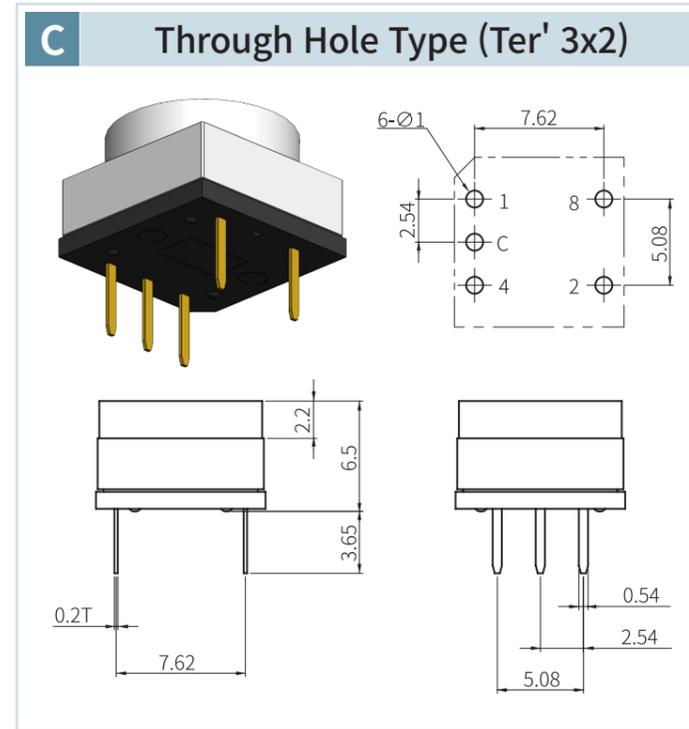
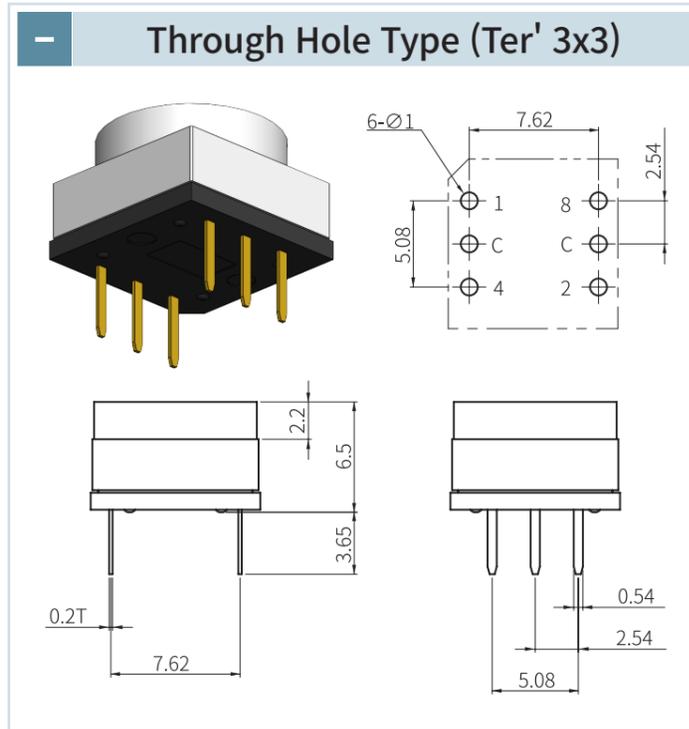
• 1 2 •
• C C •
• 0 3 •
04 POSITION

Terminal Options

RJST - DR - 10**S** - TR

Terminal

- Through-Hole (Ter' 3x3)
- C** Through-Hole (Ter' 3x2)
- S** SMD Gull Wing (Ter' 3x3)
- SC** SMD Gull Wing (Ter' 3x2)
- H** Right Angle 5.08mm
- H1** Right Angle 2.54mm

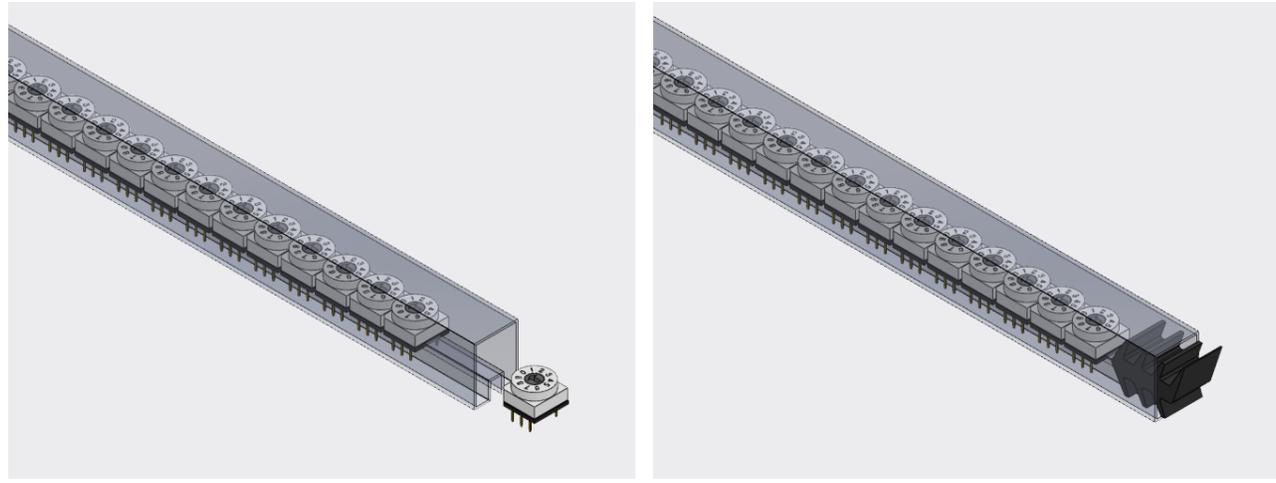
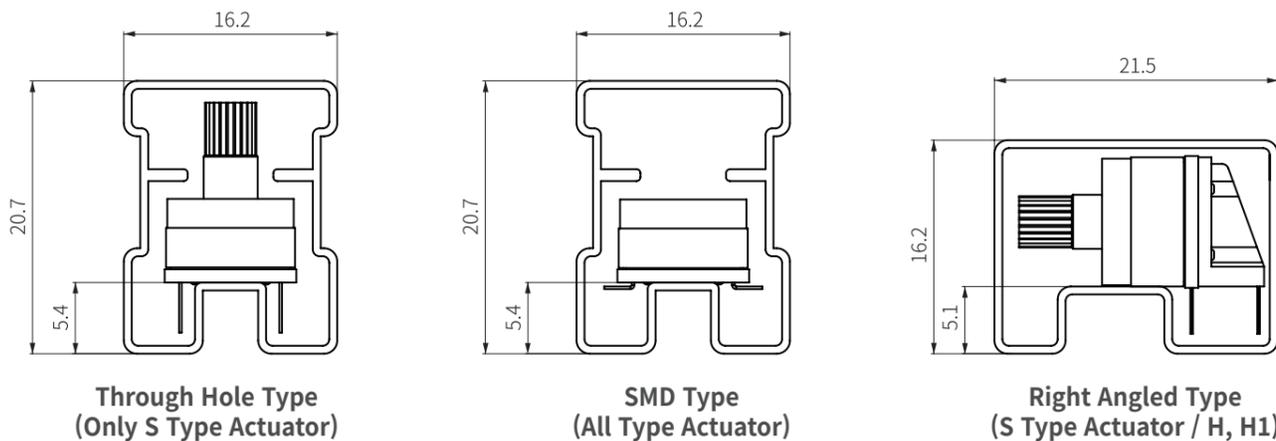
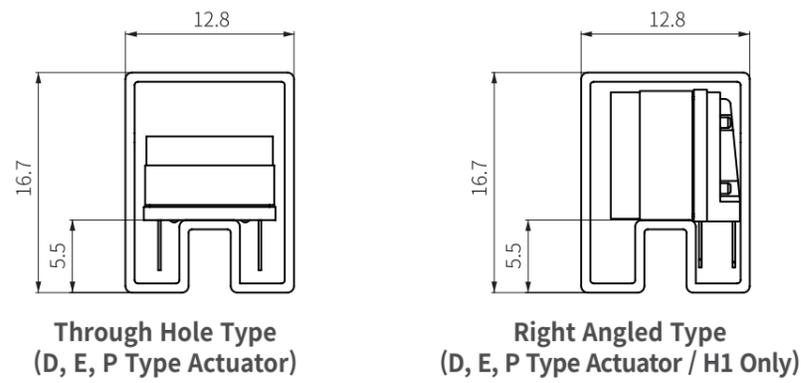


Packing Options

RJST - DR - 10S - **TR**

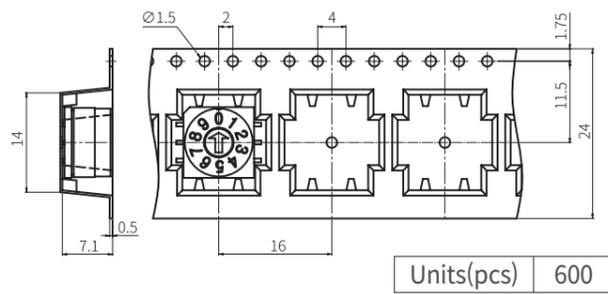
Packing
- Tube Packing
TR Reel Packing

Tube Packing (Q'ty : 50Pcs / Tube)

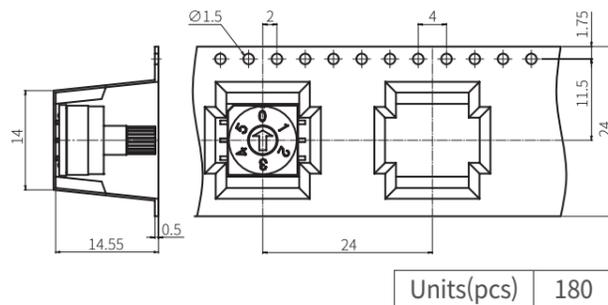


TR Tape & Reel Packing Apply to only SMD types

1. 'D' & 'E' Type Actuator with SMD Terminal (Ter' 3x3, 3x2)
(T-DR-S / S-DR-S / Q-DR-S / U-DR-S)



2. 'S' Type Actuator with SMD Terminal (Ter' 3x3, 3x2)
(T-SR-S / S-SR-S / Q-SR-S)



3. 'P' Type Actuator with SMD Terminal (Ter' 3x3, 3x2, 4x1)
(T-PR-S / S-PR-S / F-PR-S / Q-PR-S / E-PR-S)

