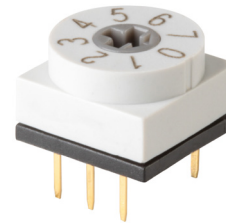


**SERIES:** RDS3-1065-D | **DESCRIPTION:** ROTARY DIP SWITCH

FEATURES

- 4, 8, 10, & 16 positions
- removable cap options
- through hole

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	switching non-switching			42 42	Vdc Vdc
rated current	switching non-switching			150 200	mA mA
withstanding voltage	for 1 minute		250		Vac
contact resistance				80	mΩ
insulation resistance	for 1 minute at 250 Vdc	100			MΩ
operating torque				700	gf*cm
actuator travel	continuous rotation		360		degrees
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life	at 42 Vdc, 150 mA, 15~20 cycles/minute		10,000		steps
flammability rating	see material tables				
RoHS	yes				
IP level	IP67				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

PART NUMBER KEY

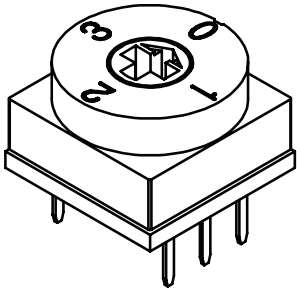
RDS3 - XXS - 1065 - X - D

Base Number

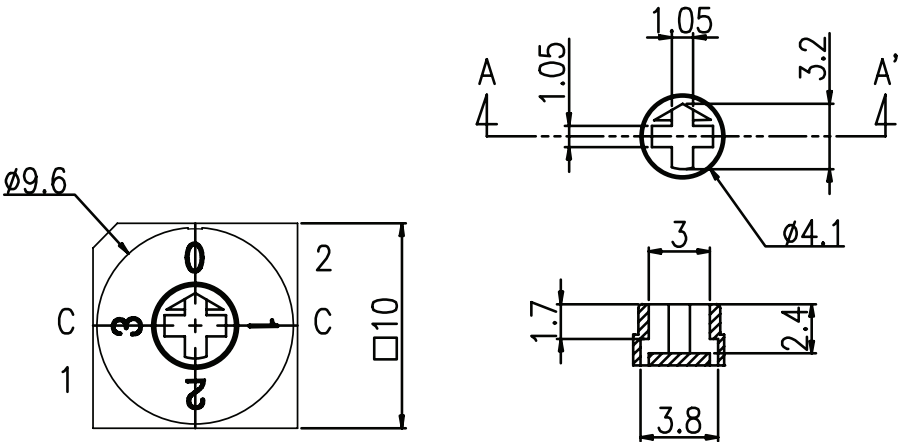
No. of Positions:
4 = 4 Positions
8 = 8 Positions
10 = 10 Positions
16 = 16 PositionsActuator Cap:
"blank" = Without Cap
1 = Notched Cap
2 = Raised Slotted Cap
3 = Numbered Dial

MECHANICAL DRAWING (4 POSITION)

units: mm
tolerance: ±0.3 mm
unless otherwise specified

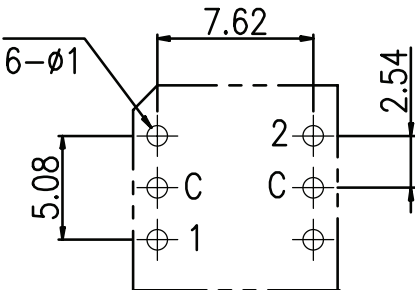
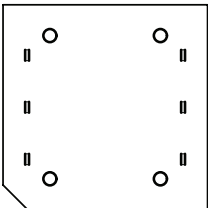
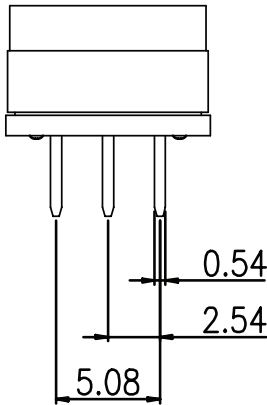
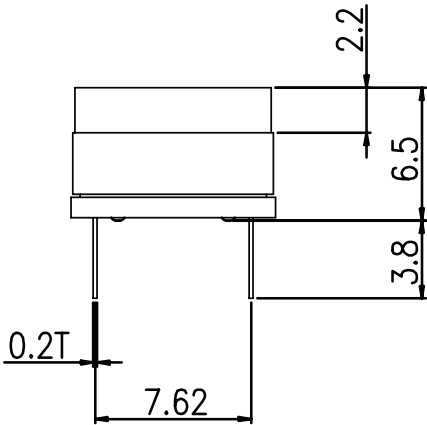


DESCRIPTION	MATERIAL	PLATING/COLOR
actuator	POM [UL94HB]	gray
cover	PA66 [UL94V-0]	light white
base	PA66 [UL94V-0]	black
terminals	phosphorus bronze	Ni/Au



ON ●				
OFF ○		CODE		
TYPE	POS	C	1	2
4 POSITION	0	●	○	○
	1	●	●	○
	2	●	○	●
	3	●	●	●

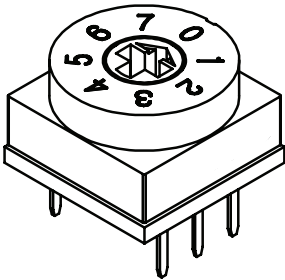
Section A-A'
ACTUATOR



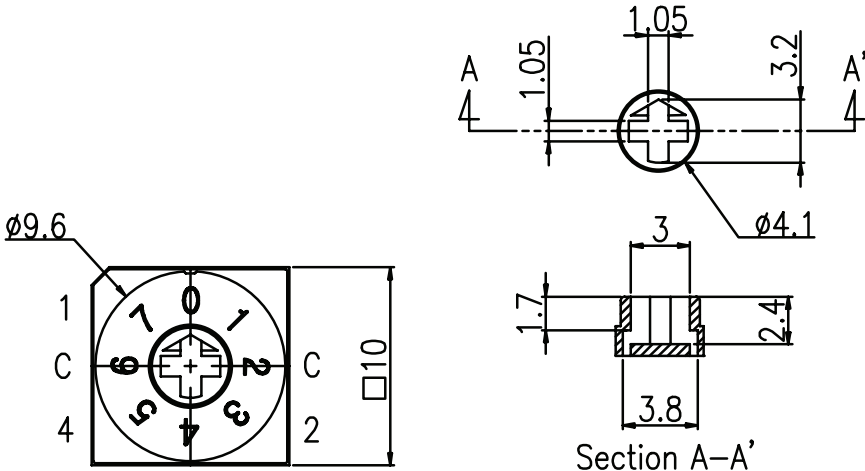
Recommended PCB Layout
Top View

MECHANICAL DRAWING (8 POSITION)

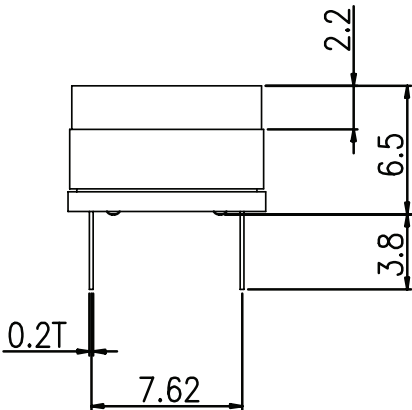
units: mm
tolerance: ±0.3 mm
unless otherwise specified



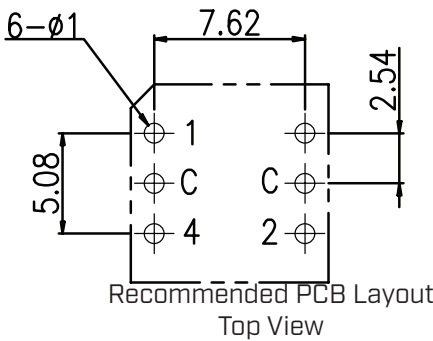
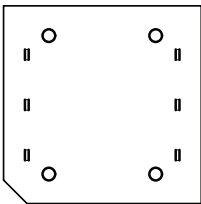
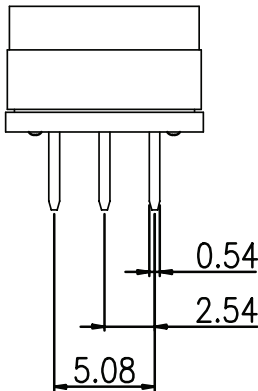
DESCRIPTION	MATERIAL	PLATING/COLOR
actuator	POM [UL94HB]	gray
cover	PA66 [UL94V-0]	light white
base	PA66 [UL94V-0]	black
terminals	phosphorus bronze	Ni/Au



ON ●					
OFF ○	CODE				
TYPE	POS	C	1	2	4
8 POSITION	0	●	○	○	○
	1	●	●	○	○
	2	●	○	●	○
	3	●	●	●	○
	4	●	○	○	●
	5	●	●	○	●
	6	●	○	●	●
	7	●	●	●	●

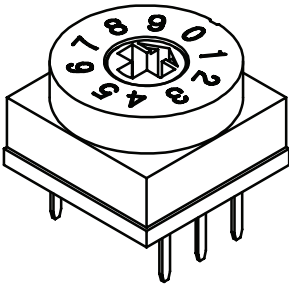


ACTUATOR

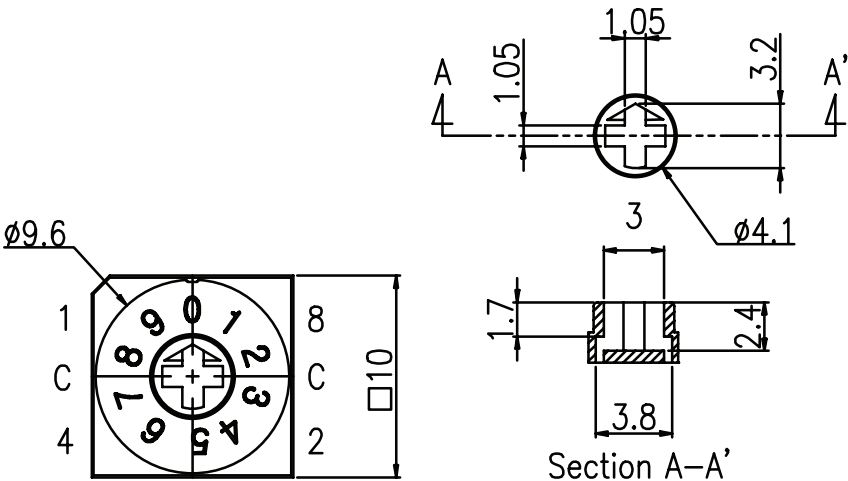


MECHANICAL DRAWING (10 POSITION)

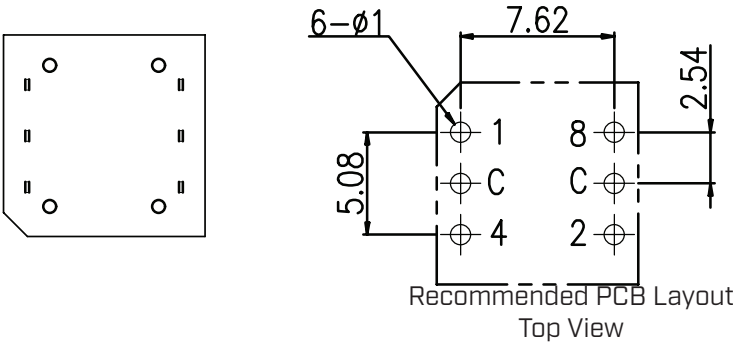
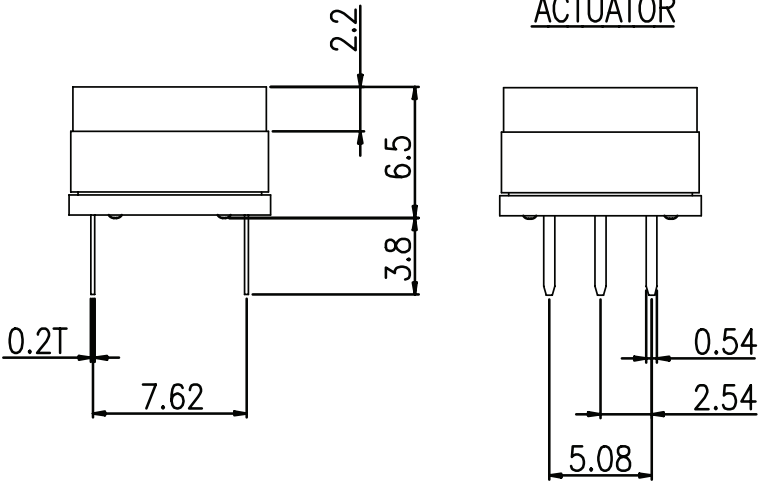
units: mm
tolerance: ±0.3 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
actuator	POM [UL94HB]	gray
cover	PA66 [UL94V-0]	light white
base	PA66 [UL94V-0]	black
terminals	phosphorus bronze	Ni/Au

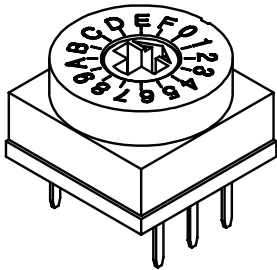


ON ●						
OFF ○	CODE					
TYPE	POS	C	1	2	4	8
10 POSITION	0	●	○	○	○	○
	1	●	●	○	○	○
	2	●	○	●	○	○
	3	●	●	●	○	○
	4	●	○	○	●	○
	5	●	●	○	●	○
	6	●	○	●	●	○
	7	●	●	●	●	○
	8	●	○	○	○	●
	9	●	●	○	○	●

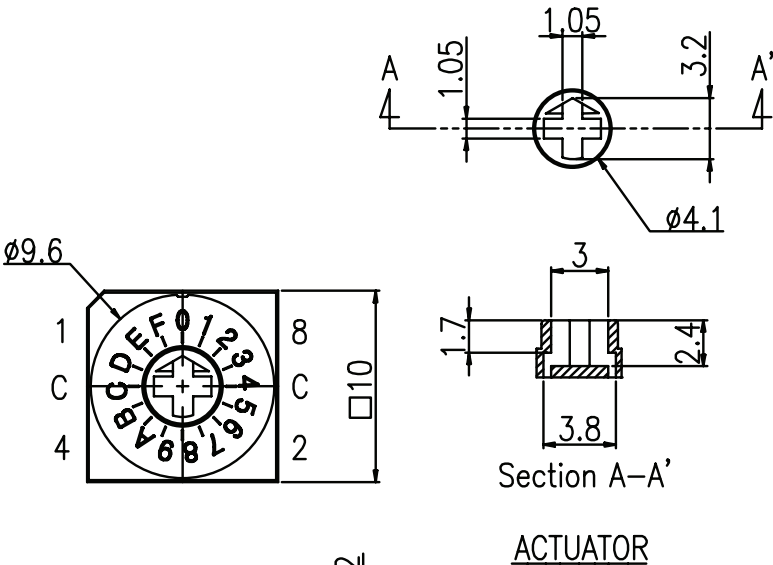


MECHANICAL DRAWING (16 POSITION)

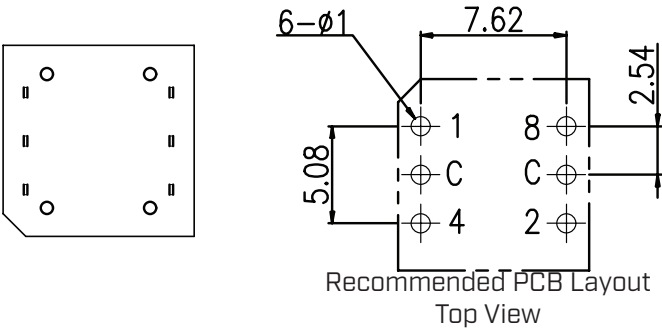
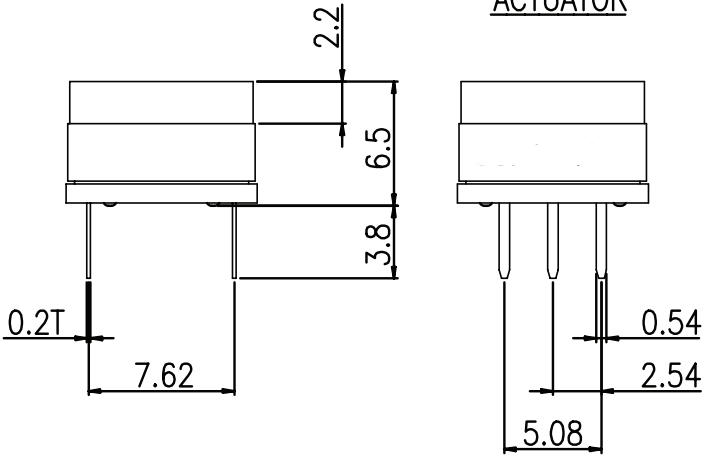
units: mm
tolerance: ±0.3 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
actuator	POM [UL94HB]	gray
cover	PA66 [UL94V-0]	light white
base	PA66 [UL94V-0]	black
terminals	phosphorus bronze	Ni/Au



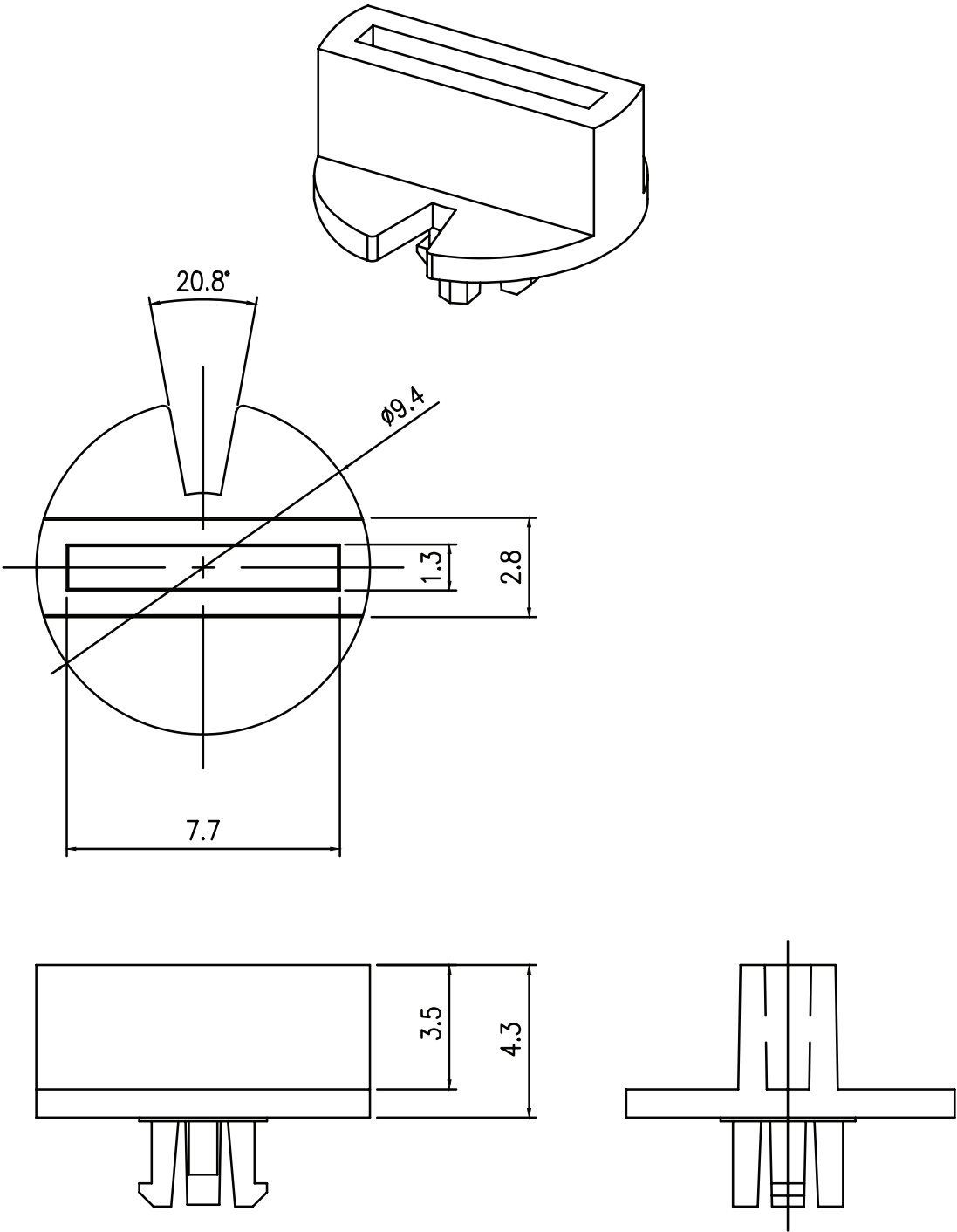
ON ●						
OFF ○	CODE					
TYPE	POS	C	1	2	4	8
16 POSITION	0	●	○	○	○	○
	1	●	●	○	○	○
	2	●	○	●	○	○
	3	●	●	●	○	○
	4	●	○	○	●	○
	5	●	●	○	●	○
	6	●	○	●	●	○
	7	●	●	●	●	○
	8	●	○	○	○	●
	9	●	●	○	○	●
	A	●	○	●	○	●
	B	●	●	●	○	●
	C	●	○	○	●	●
	D	●	●	○	●	●
	E	●	○	●	●	●
	F	●	●	●	●	●

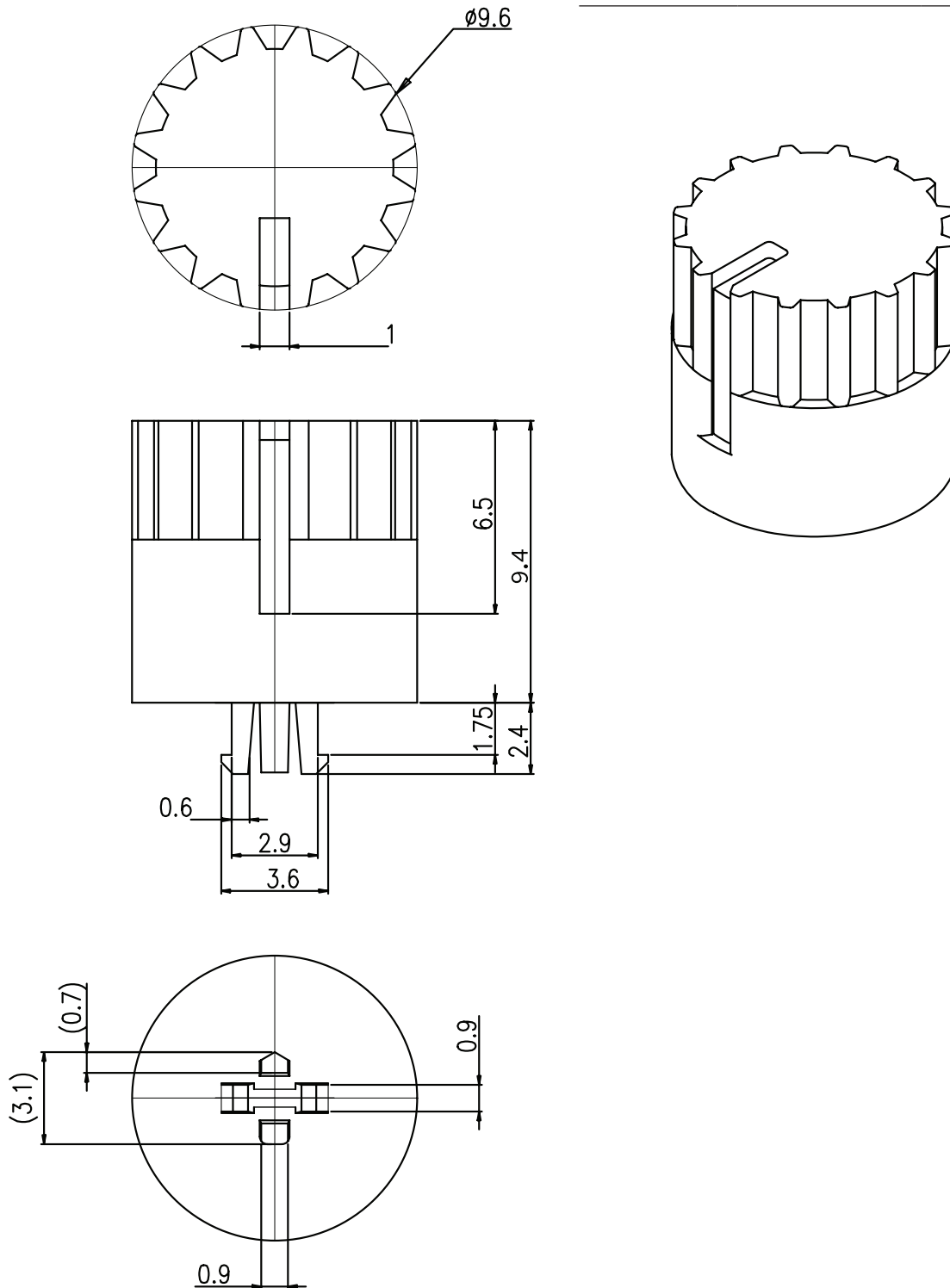


MECHANICAL DRAWING (NOTCHED CAP)

units: mm
tolerance: ±0.1 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	gray

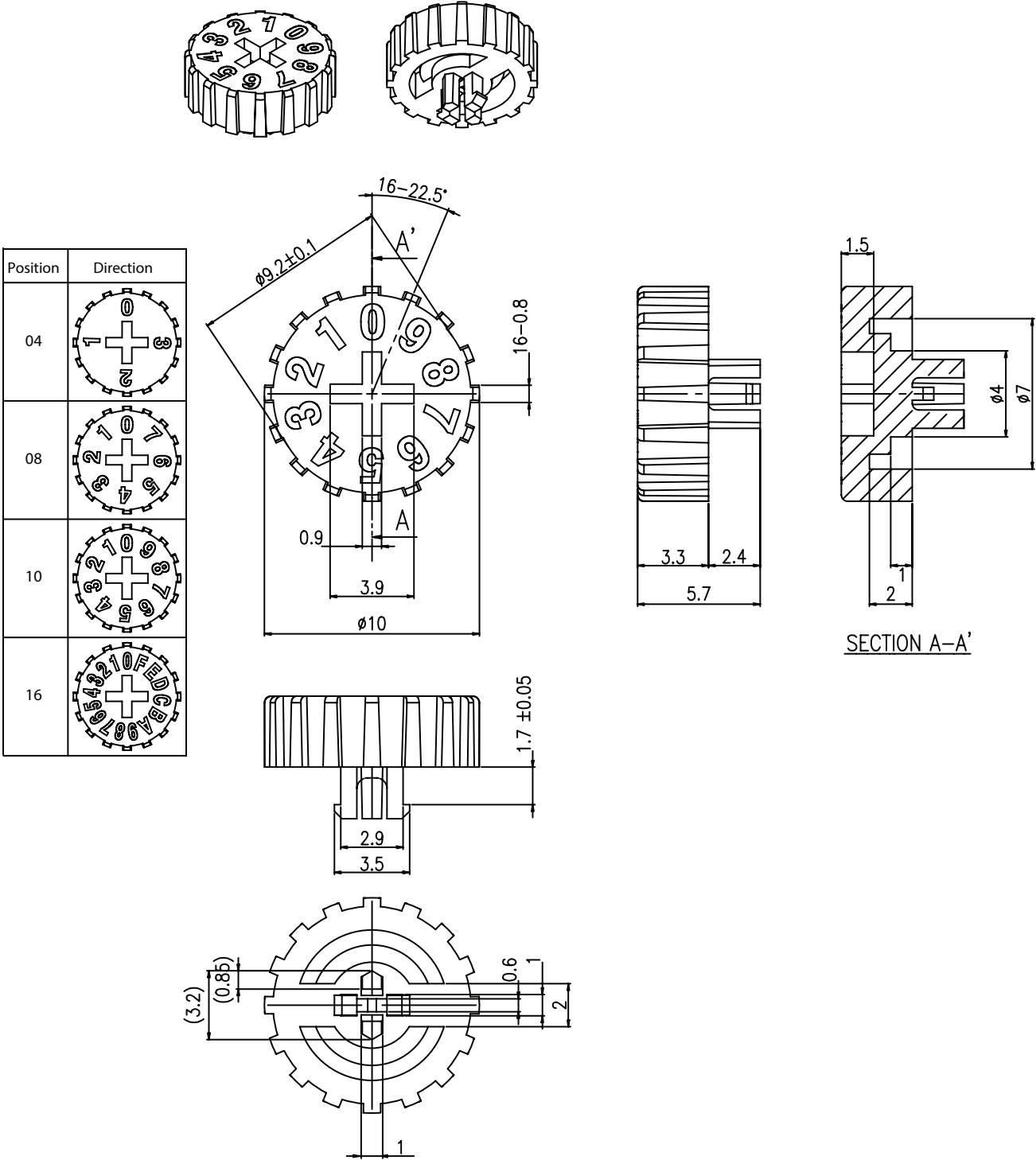




MECHANICAL DRAWING (NUMBERED DIAL)

units: mm
tolerance: ±0.3 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	red with white letters

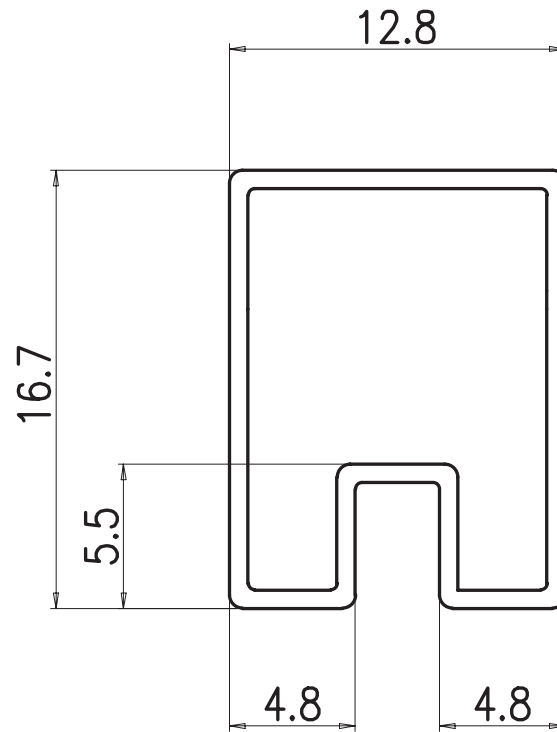


PACKAGING

units: mm

Tube Size: 16.7 x 12.8 x 540 mm

Tube QTY: 50 pcs per tube



REVISION HISTORY

rev.	description	date
1.0	initial release	05/31/2023
1.0	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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