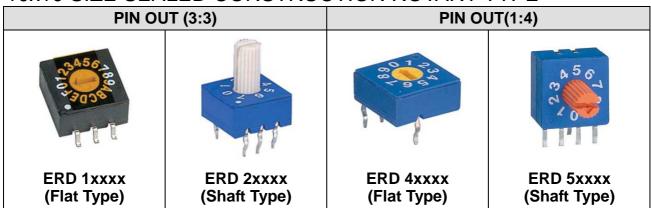


## ERD SERIES 10x10 SIZE SEALED CONSTRUCTION ROTARY TYPE



#### **■ FEATURES**

- Molded-in terminals and fully sealed construction.
- All plastics UL 94V-0 grade fire retardant.
- Reliable contact and long-term stability.
- Binary decimal (8 or 10 positions) and hexadecimal (16 positions), real and complementary codes available.
- Pin-out is compatible with most of current equivalents.
- Gold plated contact to ensure low contact resistance.
- RoHS Compliant

#### APPLICATIONS

- Address switching applications
- Data storage devices
- Computer and peripherals
- Instrumentation

#### SPECIFICATIONS

#### 1.ELECTRICAL

Contact rating	switching	25mA, 24VDC				
	non-switching	100mA				
Contact resistance (initial)		100mΩ Max.				
Insulation resistance		1000MΩ Min. at 100VDC				
<ul> <li>Dielectric strength</li> </ul>		250VAC Min. for 60 seconds				

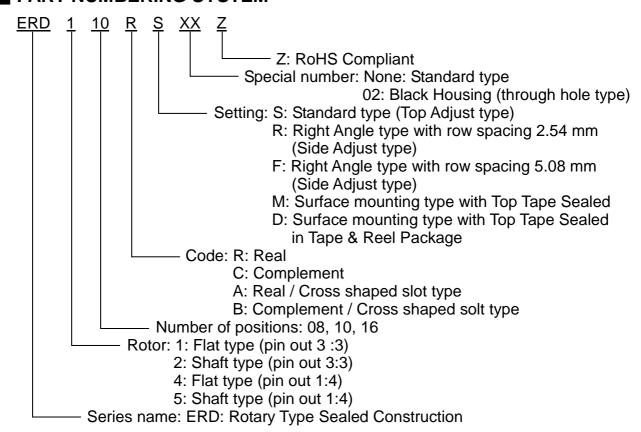
#### 2.MECHANICAL AND ENVIRONMENTAL

<ul><li>Temperature rating</li></ul>	operating	-40°C to +85°C
	storage	-40°C to +85°C
<ul><li>Operation force</li></ul>		500 gf-cm Max.



Mechanical life	10000 steps						
Vibration	10Hz-55Hz-10Hz for 6 Hrs.						
<ul><li>Solderability (for through hole type)</li></ul>	After flux 245±5°C for 5±1 seconds						
<ul> <li>Resistance to soldering heat (for through hole type)</li> </ul>	260±5°C for 5±1 seconds						
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	240°C for 20 seconds or less, peak temperature 260°C or less  Max. 260°C 240°C  150°C  120-150 sec 20 sec Max.  Time (sec)						

### **■ PART NUMBERING SYSTEM**





#### CODE

PIN NO.	POSITIONS												Ī				
FIN NO.	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Ε	F	Ī
1	$\bigcirc$	•	$\bigcirc$	•	$\bigcirc$	•	$\bigcirc$		$\bigcirc$		$\bigcirc$	•	$\bigcirc$	•	$\bigcirc$	•	Ī
2	$\bigcirc$	$\bigcirc$		•	$\bigcirc$	$\bigcirc$			$\bigcirc$	$\bigcirc$	•	•	$\bigcirc$	$\bigcirc$	•	•	Ī
4	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	•	•			$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	•	•	•	•	1
8	$\bigcirc$								•	1							

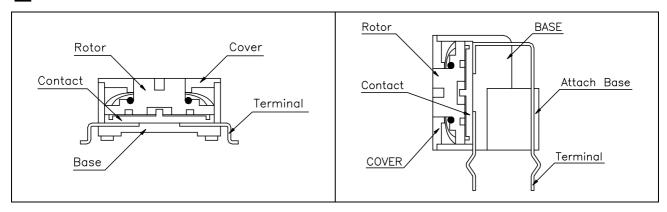
Real CodeRotor color:White (3:3), Yellow (1:4)

O... Complement Code

Rotor color:

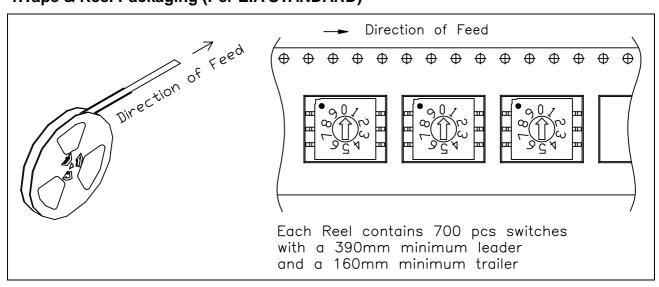
Red (3:3), Orange (1:4)

#### **■** CONSTRUCTION



#### PACKING

#### 1.Tape & Reel Packaging (Per EIA STANDARD)

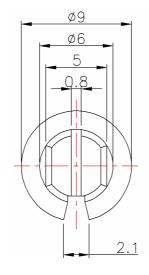


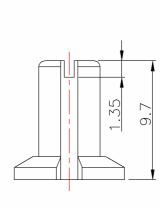


## OPTIONS

- 1. Special marking available upon request
- 2.Shaft Cover 418-80100 (White 3:3) 418-80200 (Red 3:3) 418-80300 (Yellow 1:4) 418-80400 (Orange 1:4)

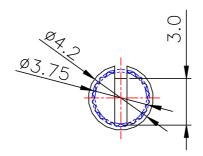


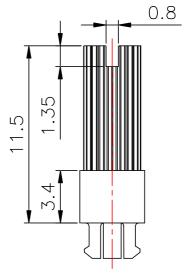




3.Shaft (For Cross Slot Type Only) 418-90010 (White 3:3) 418-90020 (Red 3:3)





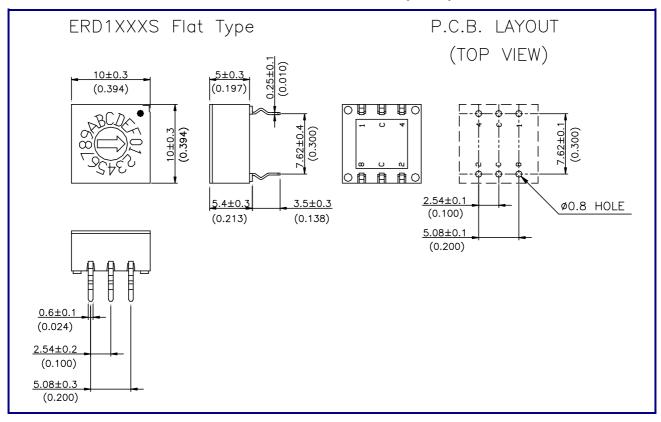


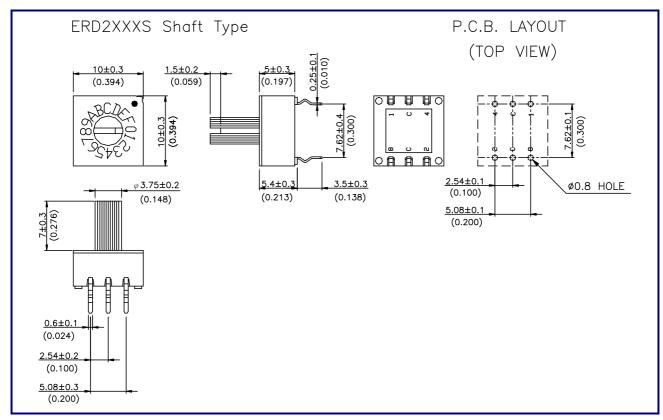
## **■ INTRODUTION to ECE ROTARY DIP SWITCH**

SIZE	POSITIONS	CODE	PIN OUT	ROTOR	TYPE	PART NUMBER	
10x10 8,10,16				FLAT,	STANDARD	ERD1xxxS, ERD2xxxS	
	REAL,	3:3	SHAFT	RIGHT ANGLE	ERD1xxxR/F, ERD2xxR/F		
			FLAT	SMT	ERD1xxxM		
				SMT IN T&R	ERD1xxxD		
	0,10,10	COMPLEMENT		FLAT,	STANDARD	ERD4xxxS, ERD5xxxS	
		1:4	SHAFT	RIGHT ANGLE	ERD4xxxR/F, ERD5xxxR/F		
			1.4	FLAT	SMT	ERD4xxxM	
				ILAI	SMT IN T&R	ERD4xxxD	



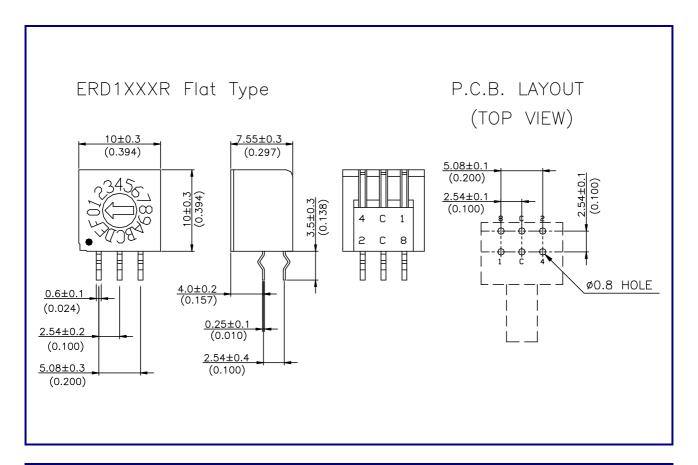
## ■ DIMENSIONS AND CIRCUITRY UNIT:mm(inch) PIN OUT 3:3

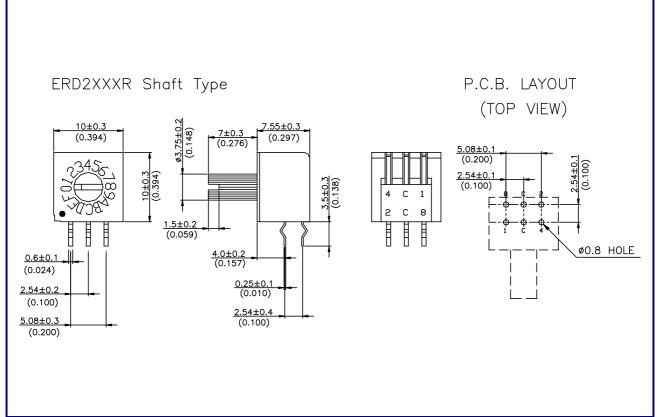




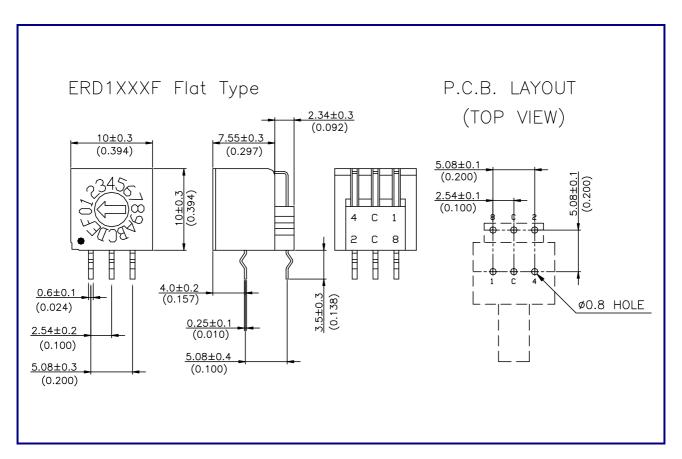


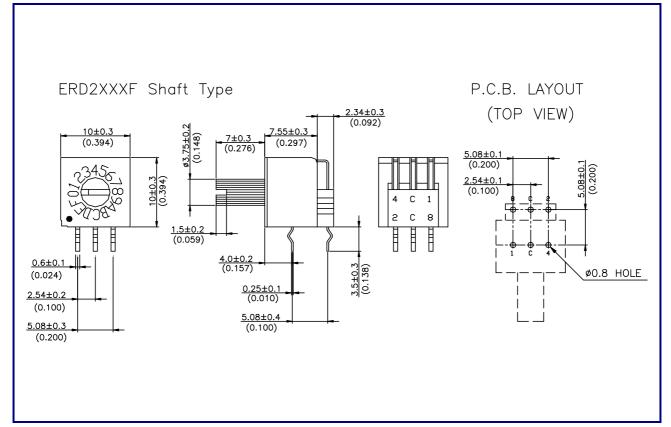
## Switch



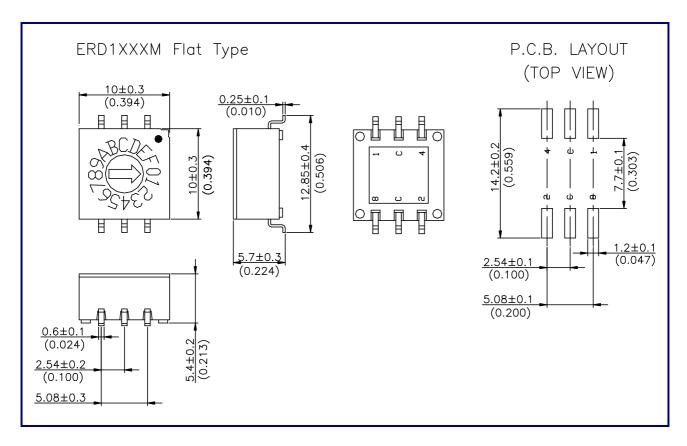




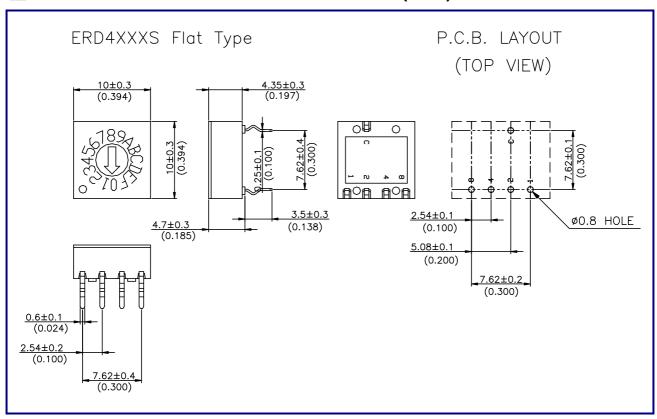




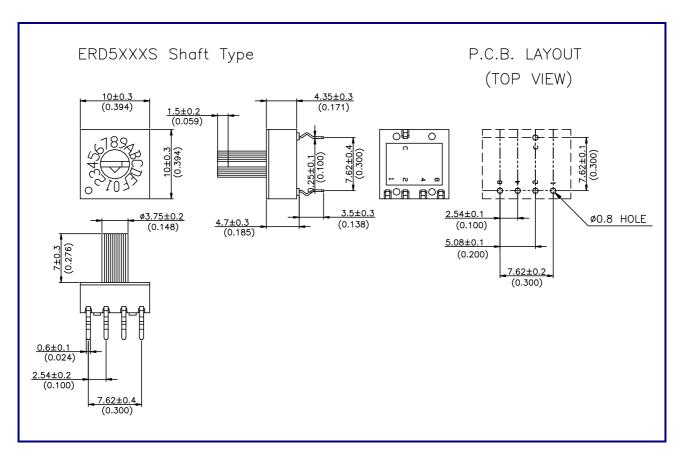


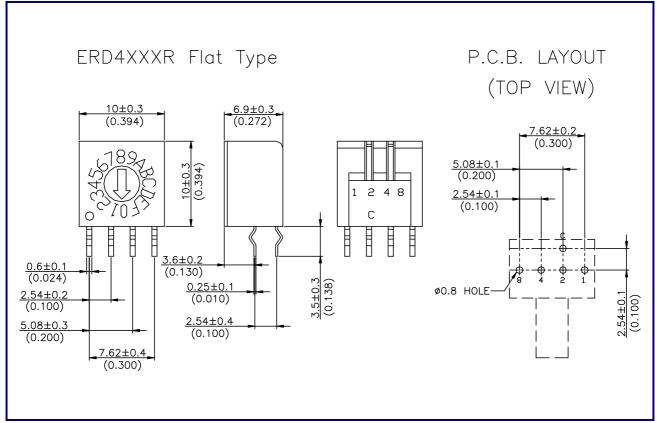


## ■ DIMENSIONS AND CIRCUITRY UNIT:mm(inch) PIN OUT 1:4



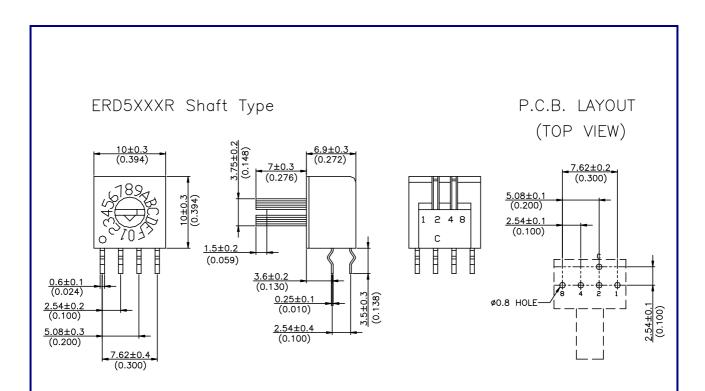


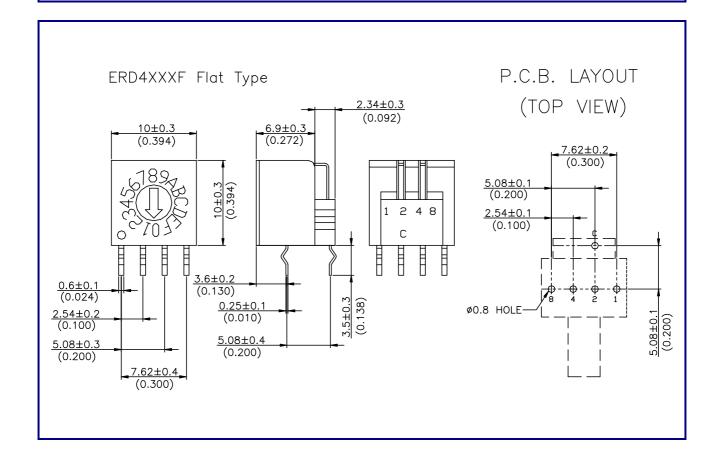














# Switch

