



Switch

ERD6 SERIES

MINIATURE SIZE □7×3 ROTARY SELECTOR SWITCH

■ FEATURES

- Low profile of 3.0mm, Outer dimension 7.2mm square
- Positions and switch code can be identified
- Pin-out compatible with most of current equivalents
- Gold plated contact area ensures reliable electric continuity for micro current
- Easy position setting with wide switching angle and high digit visibility
- All plastics are UL 94V-0 grade fire retardant
- RoHS compliant
- Halogen Free series available

■ APPLICATIONS

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

■ SPECIFICATIONS

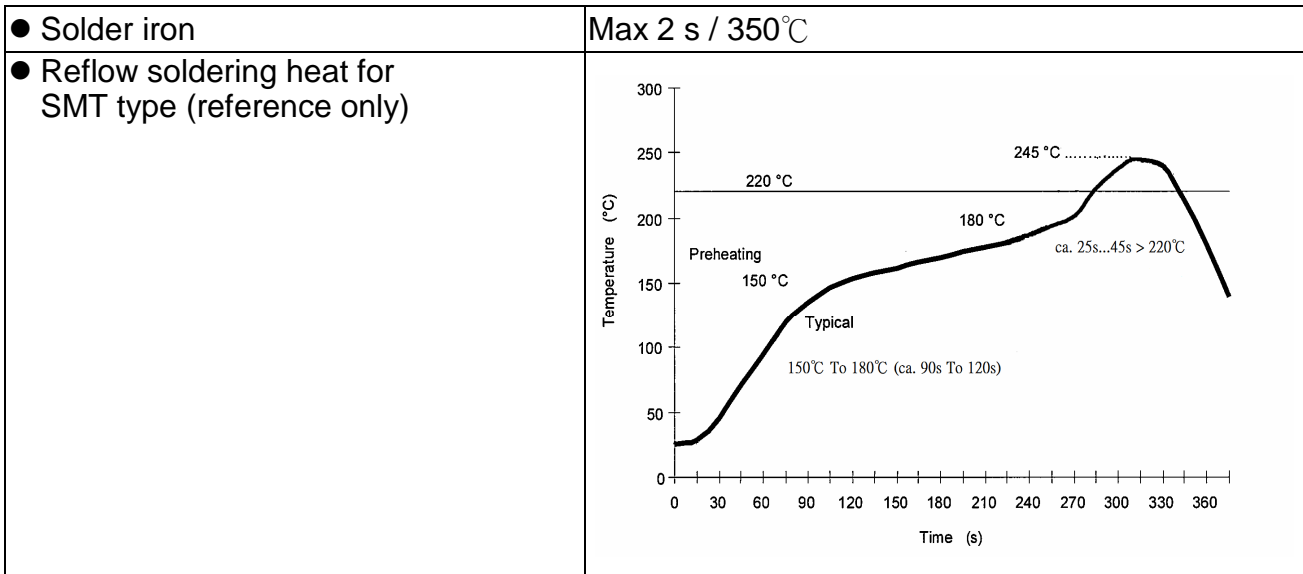
1.ELECTRICAL

● Contact rating	Max switching load	100mA, 5VDC
	Min switching load	10μA, 5VDC
	Max non-switching load	100mA, 24VDC
● Contact resistance (initial)		200mΩ Max
● Insulation resistance		100MΩ Min at 100VDC
● Dielectric strength		250VAC rms. for 60 s

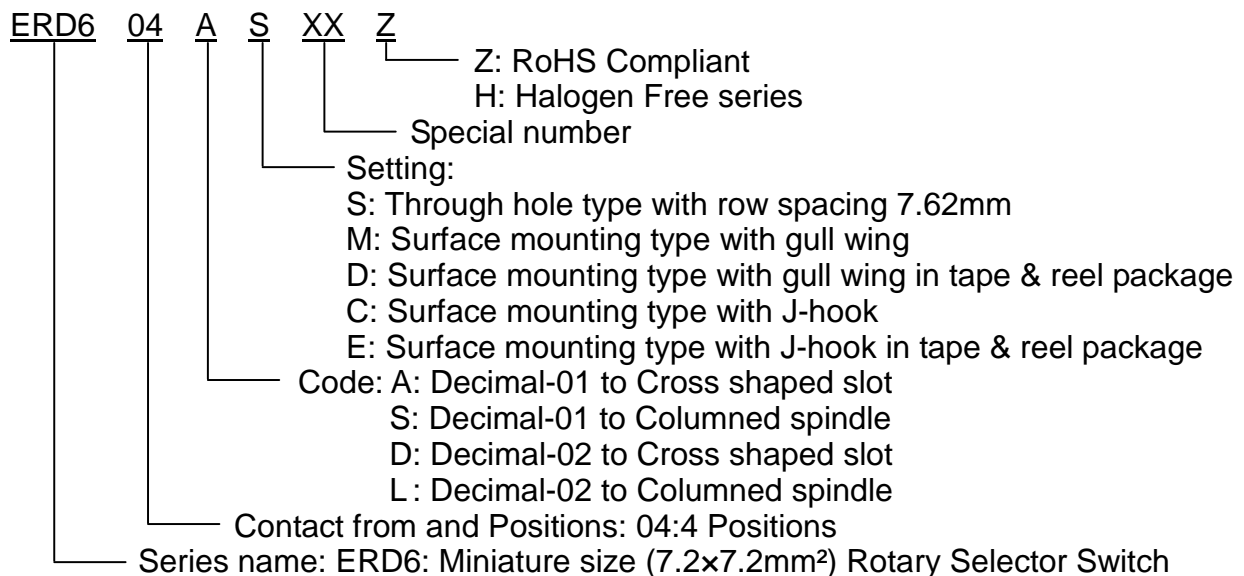
2.MECHANICAL and ENVIRONMENTAL

● Temperature rating	operation	-40℃ to +85℃
	storage	-40℃ to +85℃
● Operation force		510gf-cm Max
● Operation life		10,000 detents Min
● Vibration		10Hz-55Hz-10Hz for 6Hrs
● Solderability		After flux 245±5℃ for 5±1 s
● Resistance to soldering heat	solder bath	260±5℃ for 5±1 s
	solder reflow	Peak temperature 260℃ Max

3.SOLDERING PROCESS



■ PART NUMBERING SYSTEM



Coding tables

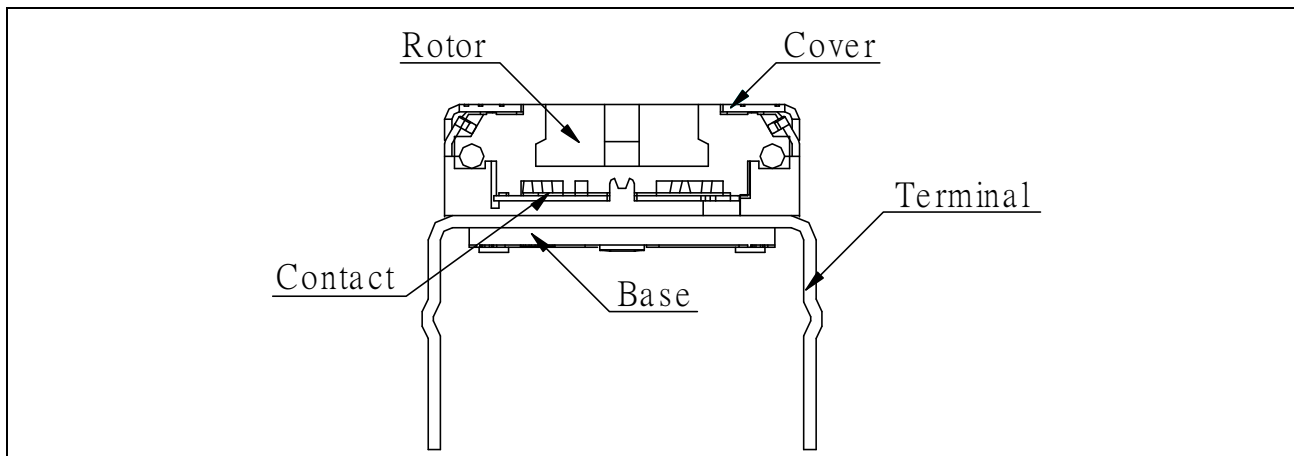
Decimal type 01

PIN NO	POSITION			
	0	1	2	3
0	●			
1		●		
2			●	
3				●

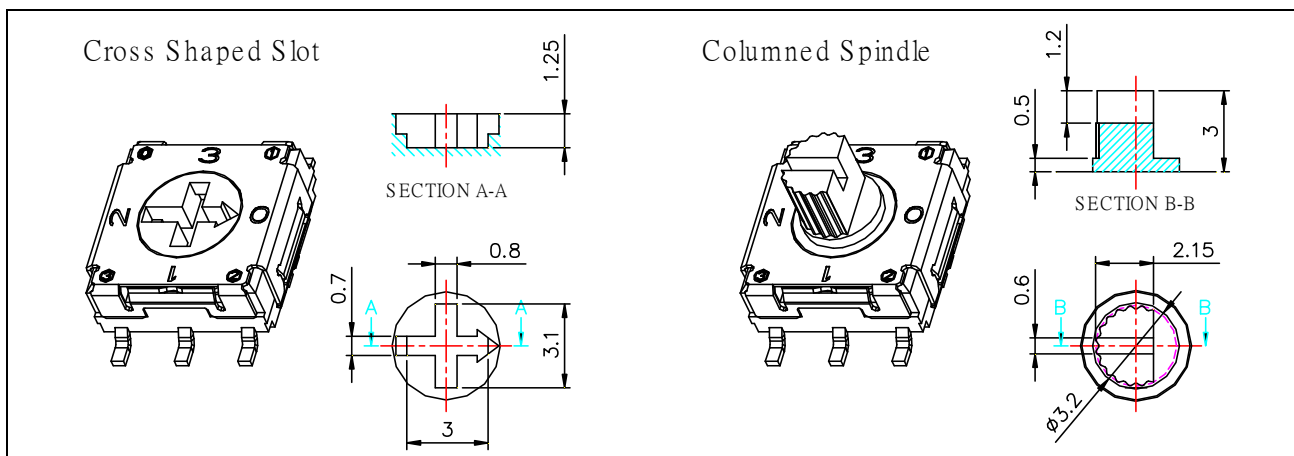
Decimal type 02

PIN NO	POSITION			
	1	2	3	4
1	●			
2		●		
3			●	
4				●

■ CONSTRUCTION

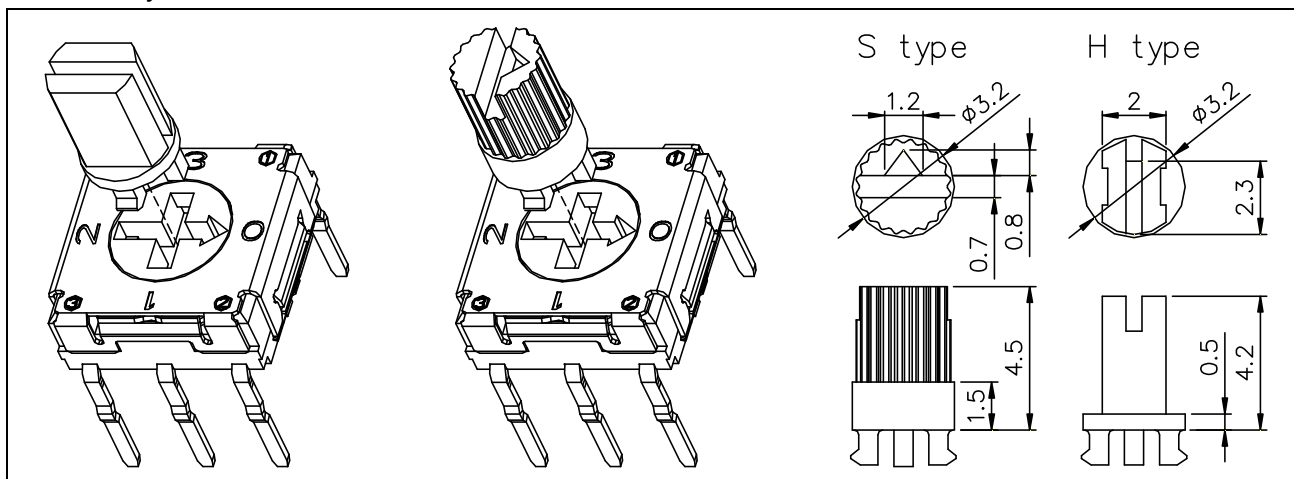


■ ACTUATORS



■ OPTIONS

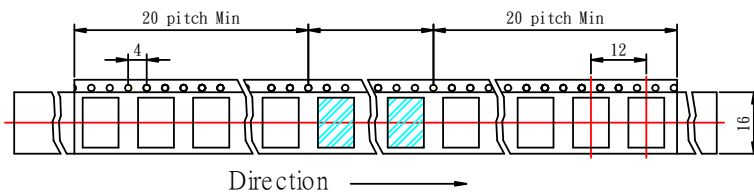
1. Special marking available
2. Auxiliary actuators



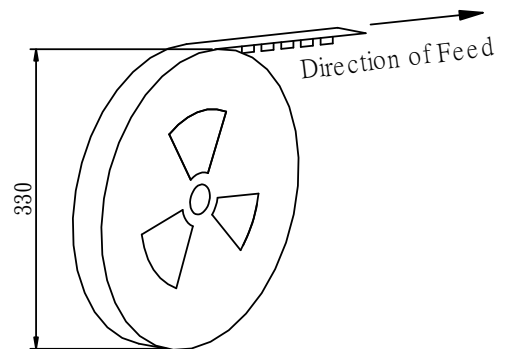
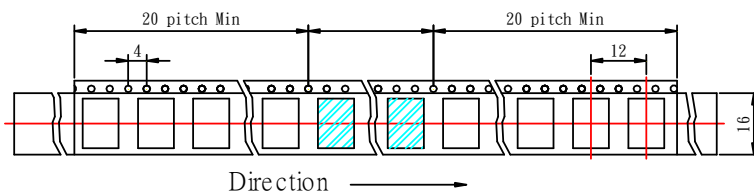
■ PACKING

Type	Package	Number of pcs. Per IC Tube	Number of pcs. Per Reel
Through Hole Type		70	-
Surface Mounting Type (Cross shaped slot)		70	1000
Surface Mounting Type (Columned spindle)		70	700

ERD604ADZ / ERD604DDZ
ERD604AEZ / ERD604DEZ



ERD604SDZ / ERD604LDZ
ERD604SEZ / ERD604LEZ



■ QUICK SELECTION GUIDE

SIZE	POSITIONS	CIRCUIT TYPE	SETTING POSITION	PIN OUT	SHAPE OF TERMINAL	PART NUMBER
7x7	4	1 POLE 4 CONTACTS	TOP SETTING	3:3	TH WITH ROW SPACING 7.62mm	ERD604XSZ
					SMT WITH GULL WING	ERD604XMZ
					SMT WITH GULL WING IN T&R	ERD604XDZ
					SMT WITH J-HOOK	ERD604XCZ
					SMT WITH J-HOOK IN T&R	ERD604XEZ

Through hole (TH)



Gull wing (SMT)

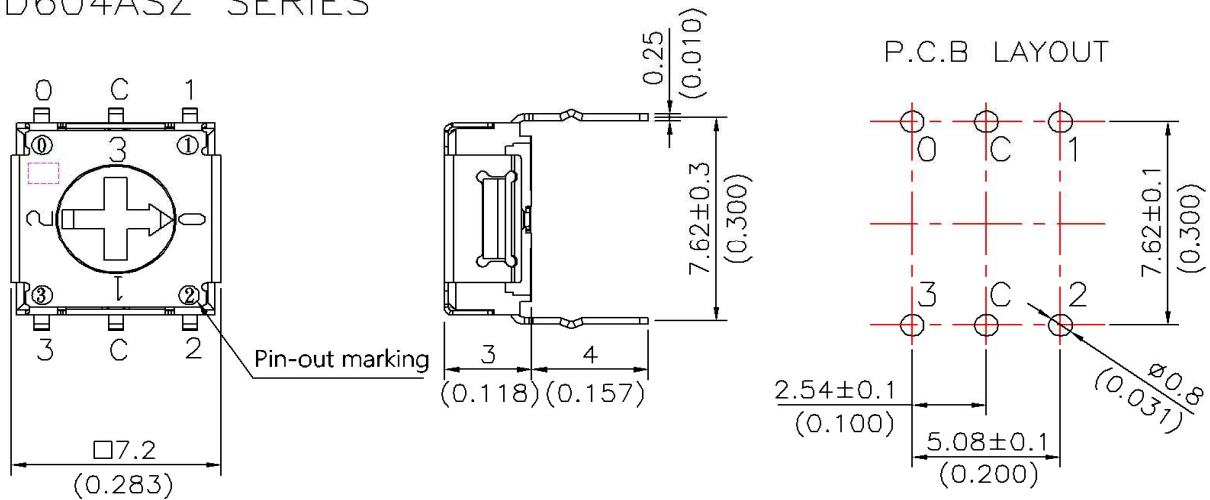


J-Hook (SMT)

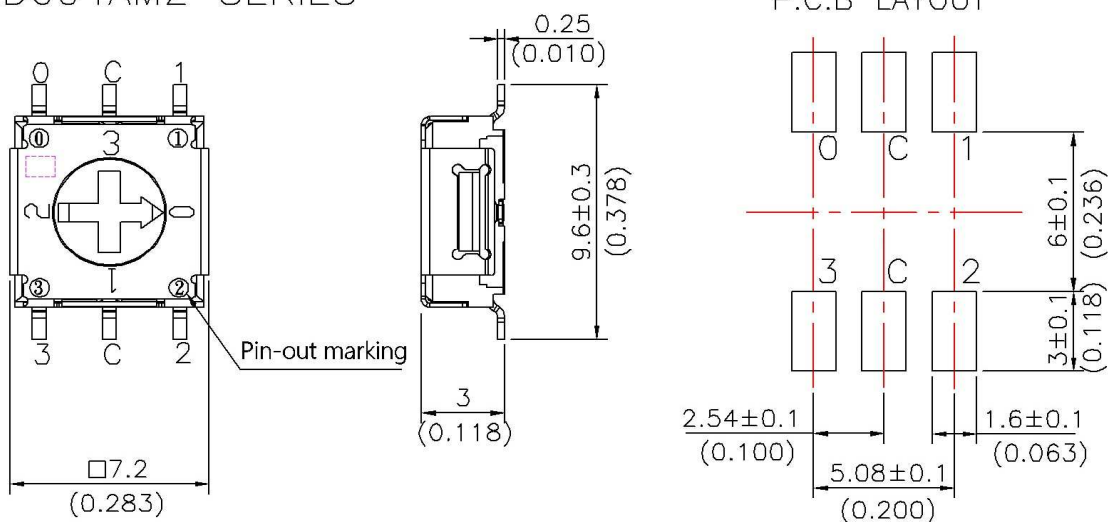


■ DIMENSIONS AND CIRCUITRY

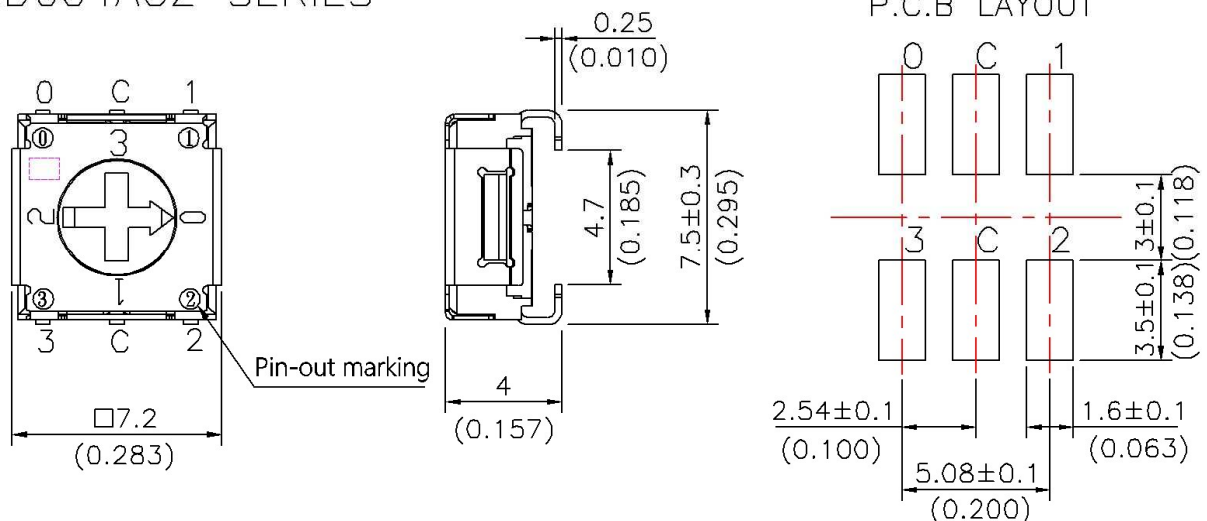
ERD604ASZ SERIES



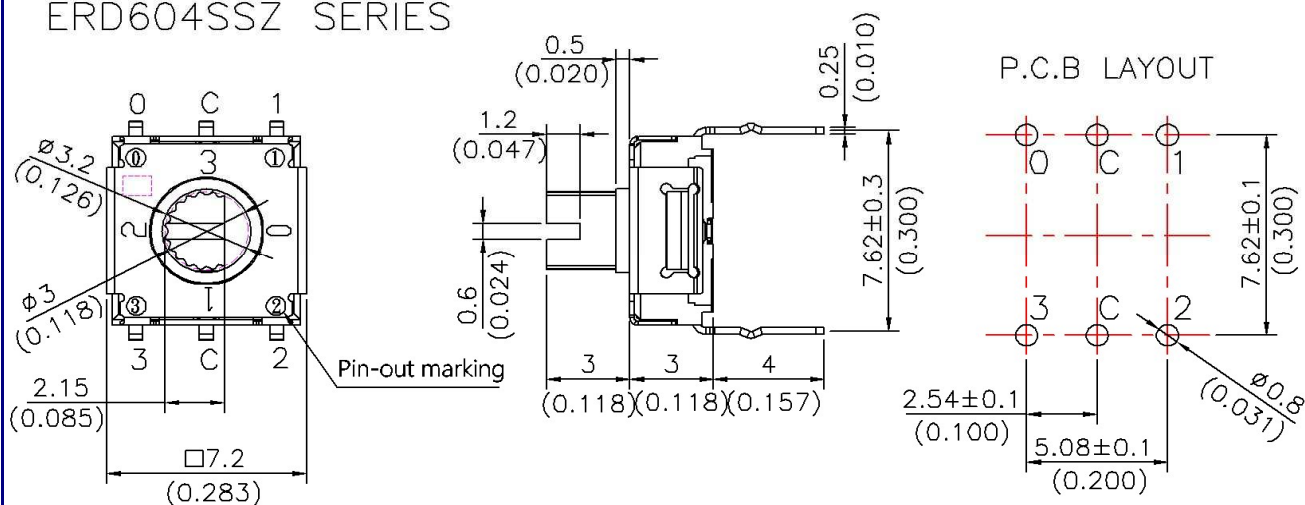
ERD604AMZ SERIES



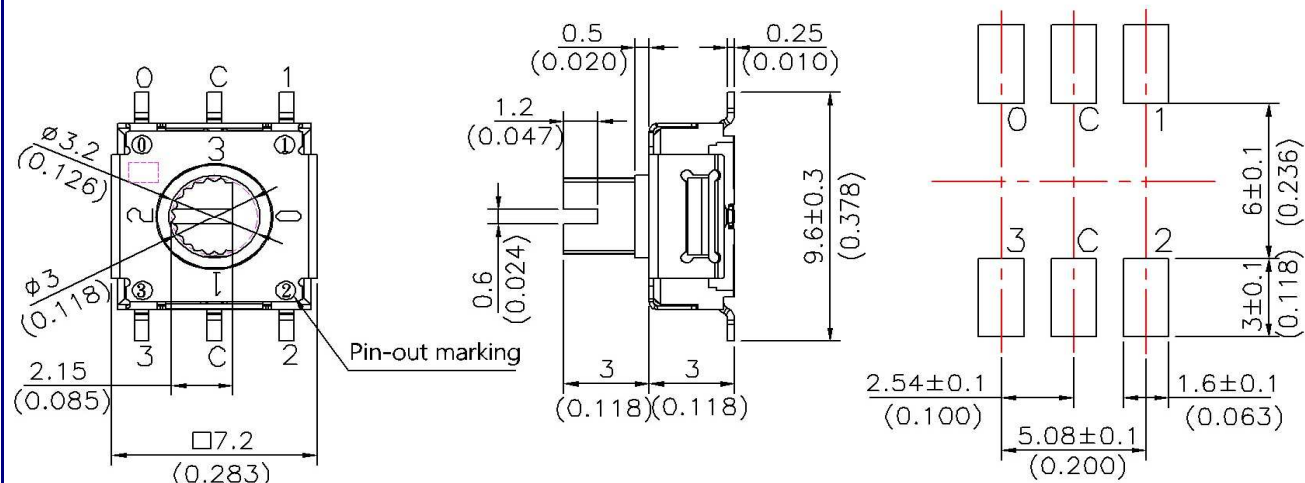
ERD604ACZ SERIES



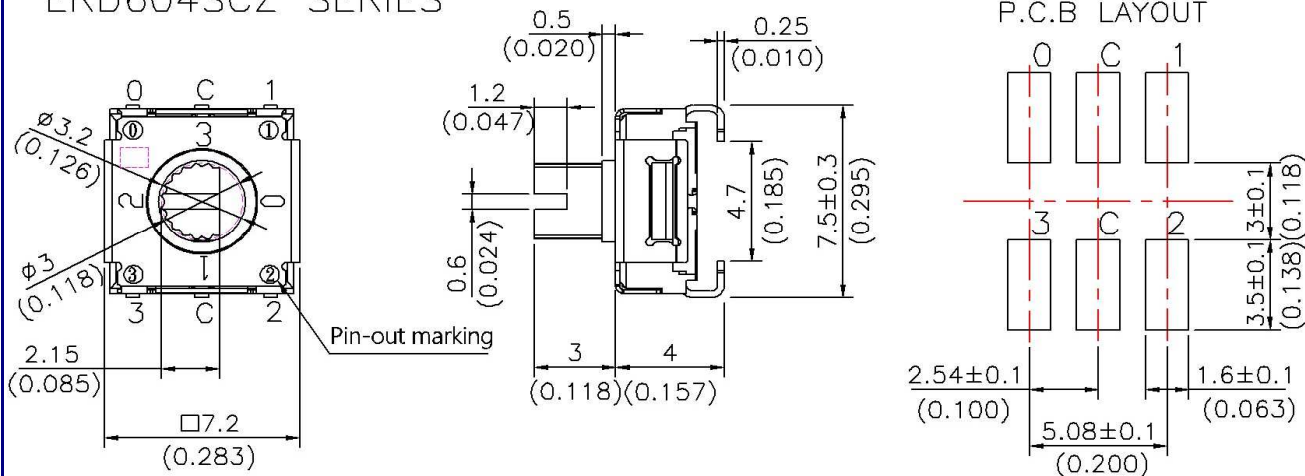
ERD604SSZ SERIES



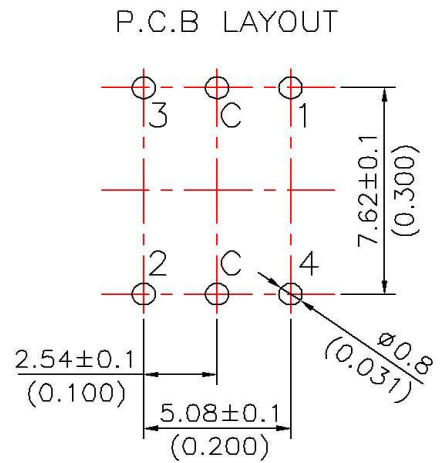
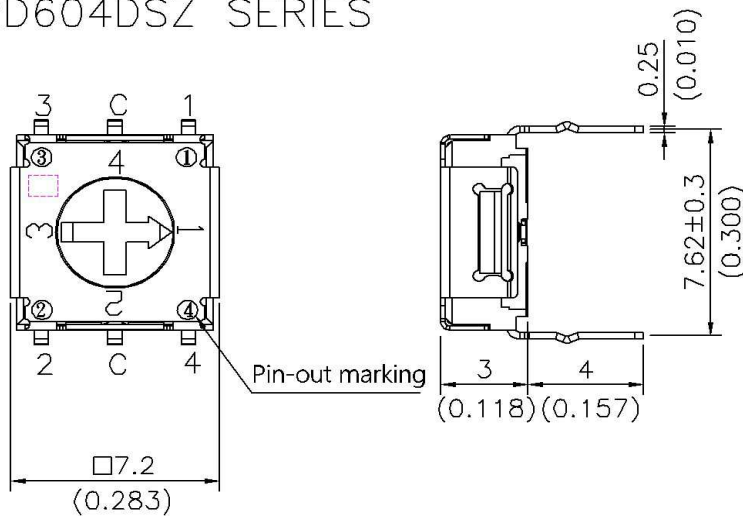
ERD604SMZ SERIES



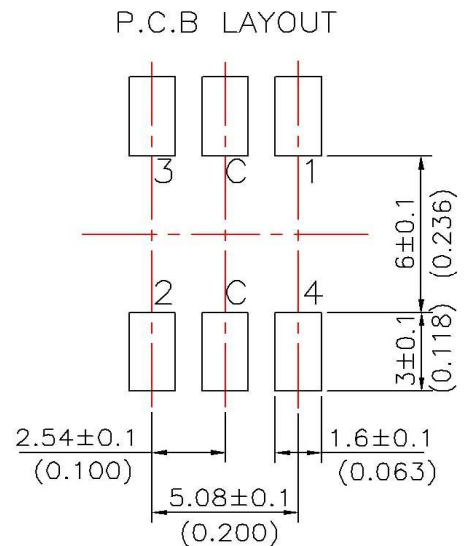
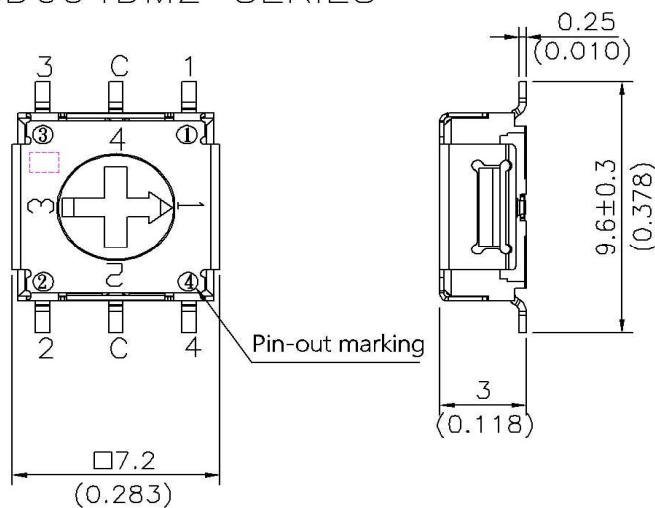
ERD604SCZ SERIES



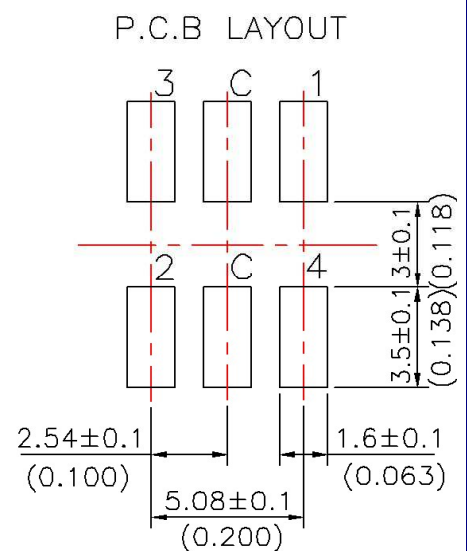
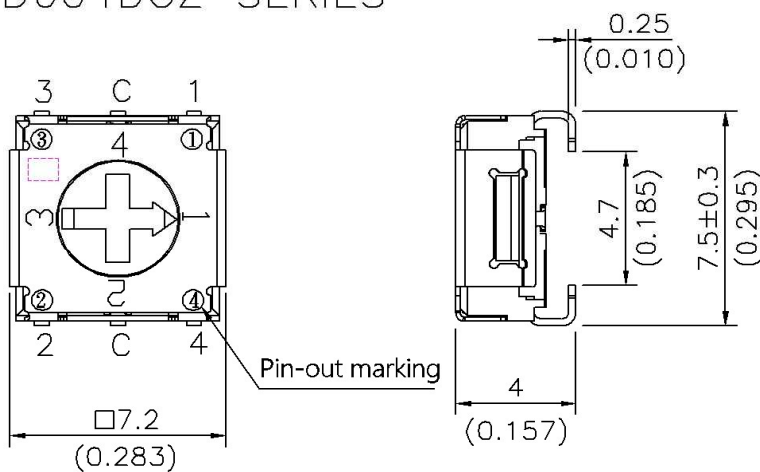
ERD604DSZ SERIES



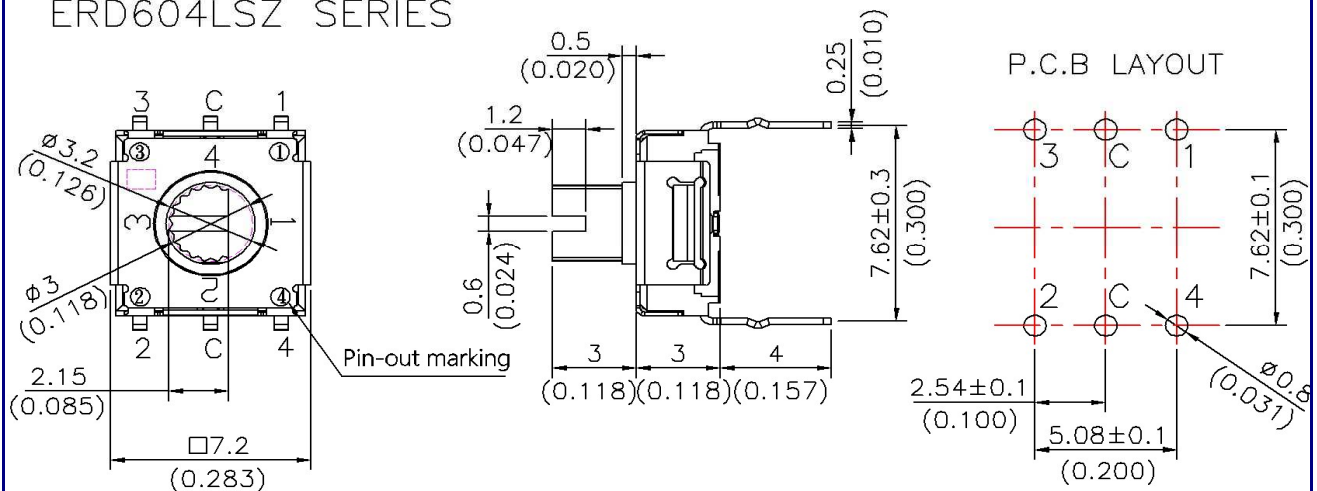
ERD604DMZ SERIES



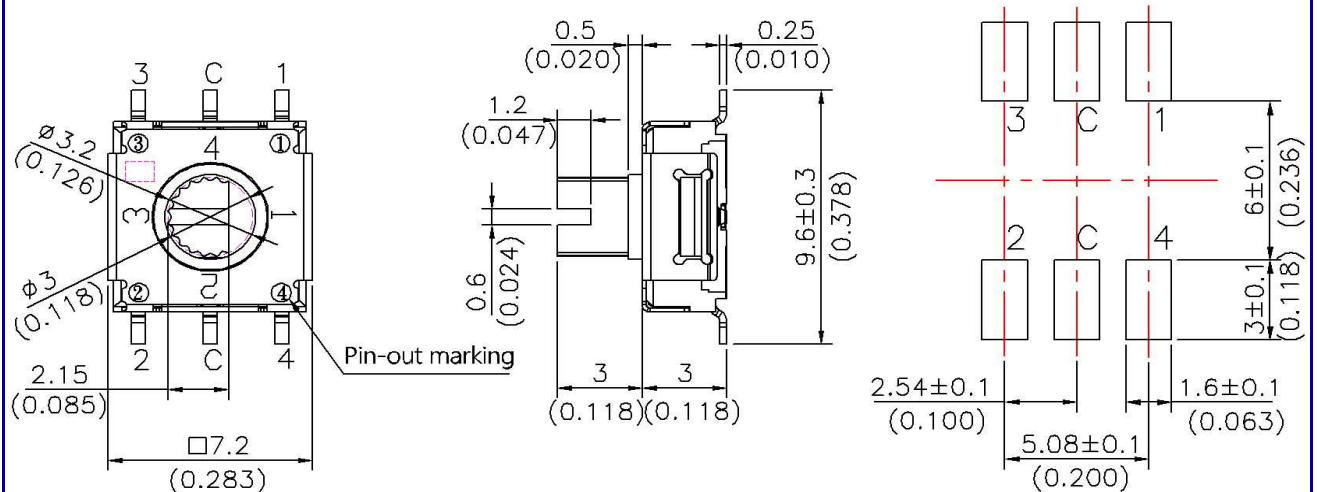
ERD604DCZ SERIES



ERD604LSZ SERIES



ERD604LMZ SERIES



ERD604LCZ SERIES

