

ERD7 SERIES MINIATURE SIZE 7×3 ROTARY SWITCH





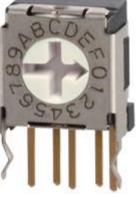
Through hole reflow (THR)

Through hole (TH)



Right Angle (RA)





Right Angle (RA) Through hole (TH)

FEATURES

- Low profile of 3.0mm
- THR (Through Hole Reflow) version available
- Available with spindle or slotted spindle
- Supply various switch codes, include Gray code, Reel and Complement code
- Gold plated contact area ensures reliable electric continuity for micro current
- Surface mounting type can be supplied in embossed taping for automatic packing
- Pin-out compatible with most of current equivalents
- All plastics are UL 94V-0 grade fire retardant

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

Right Angle (RA) SMT



J-Hook SMT



SPECIFICATIONS

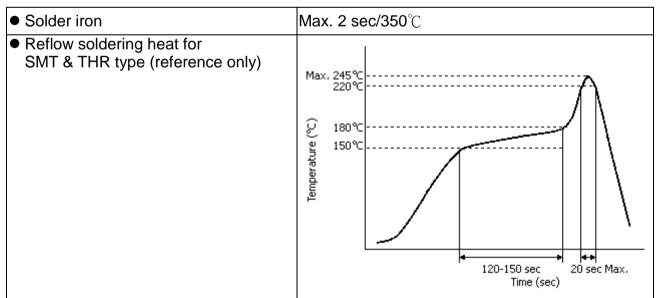
1.ELECTRICAL

Contact rating	Max. switching load	100mA, 5VDC				
	Min. switching load	10µA, 5VDC				
 Contact resistar 	nce (initial)	200mΩ Max.				
 Insulation resist 	tance	100MΩ Min. at 100VDC				
 Dielectric streng 	gth	250VAC rms. for 60 seconds				

2.MECHANICAL and ENVIRONMENTAL

• Temperature	operation	-25℃~+70℃					
rating	storage	-25℃~+85℃					
Operation force 510gf-cm Max.							
 Operation life 		10,000 detents Min.					
 Vibration 		10Hz-50Hz-10Hz for 6Hrs.					
 Solderability 		After flux 245°C ±5°C for 5±1 seconds					
 Resistance to 	solder bath	260±5℃ for 5±1 seconds					
soldering heat	solder reflow	Peak temperature 260°C Max.					

3.SOLDERING PROCESS





Real / Complement Code

PIN NO.	POSITIONS															
	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
1	\bigcirc		\bigcirc													
2	\bigcirc	\bigcirc			\bigcirc	\bigcirc		\bullet	\bigcirc	\bigcirc			\bigcirc	\bigcirc		
4	\bigcirc	\bigcirc	\bigcirc	\bigcirc					\bigcirc	\bigcirc	\bigcirc	\bigcirc				
8	\bigcirc															

Real Code

O.....Complement Code

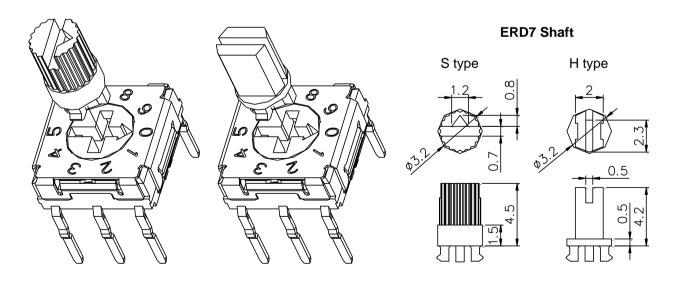
Gray Code

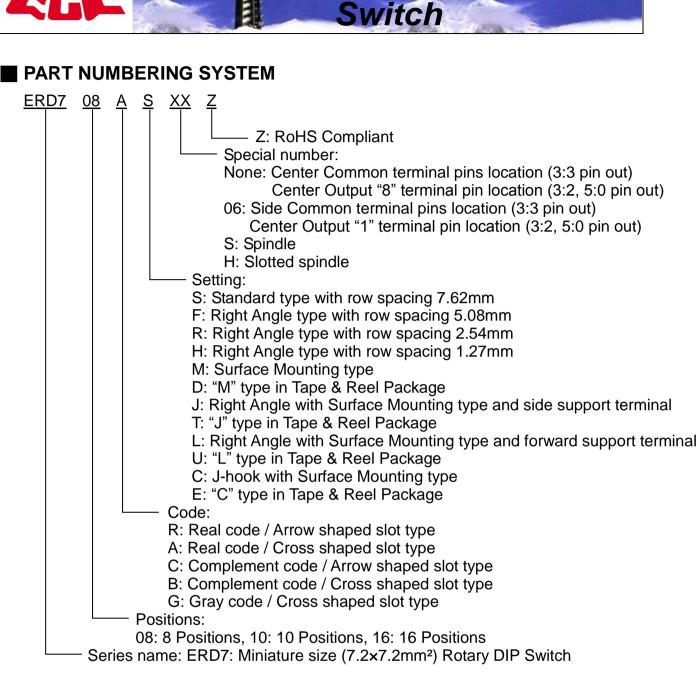
PIN NO.		POSITIONS														
FIN NO.	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
1														\bullet		
2																
4																
8																

•.....Gray Code

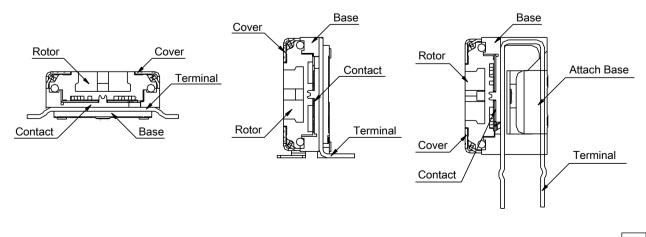
OPTIONS

1.Special marking available2.Shaft available (for cross shaped slot type only)





CONSTRUCTION



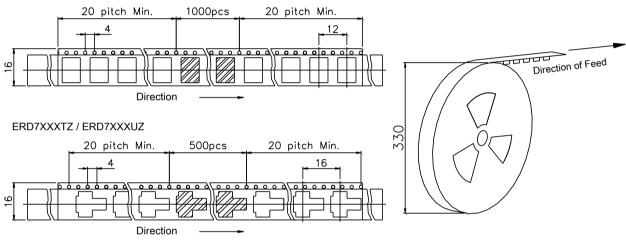


PACKING

1.PACKING METHOD

Package Type	Number of pcs. Per IC Tube	Number of pcs. Per Reel		
Top Adjust Type	70	1000		
Side Adjust Type	70	500		

ERD7XXXDZ / ERD7XXXEZ



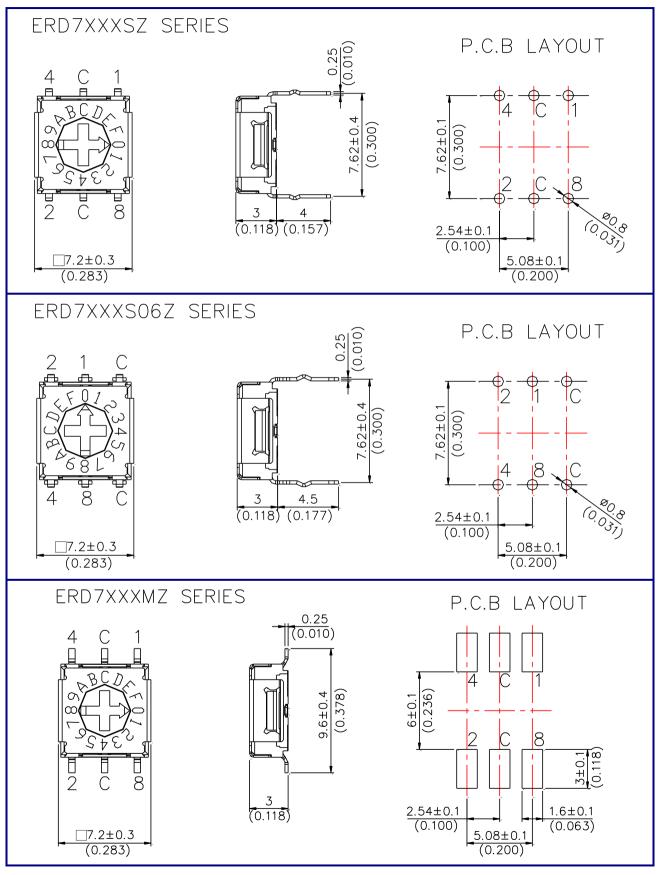
QUICK SELECTION GUIDE

SIZE	POSITIONS	CODE	SETTING POSITION	PIN OUT	SHAPE OF TERMINAL	PART NUMBER	
		REAL COMPLEMENT GRAY	TOP SETTING	3:3	STANDARD	ERD7XXXSZ	
					SMT	ERD7XXXMZ	
	8,10,16				SMT IN T&R	ERD7XXXDZ	
					J-HOOK WITH SMT	ERD7XXXCZ	
					J-HOOK WITH SMT IN T&R	ERD7XXXEZ	
7x7			SIDE SETTING	3:3	RIGHT ANGLE	ERD7XXXRZ ERD7XXXFZ	
				3:2	RIGHT ANGLE	ERD7XXXHZ	
					RIGHT ANGLE WITH SMT	ERD7XXXJZ ERD7XXXLZ	
				5:0	RIGHT ANGLE WITH SMT IN T&R	ERD7XXXTZ ERD7XXXUZ	



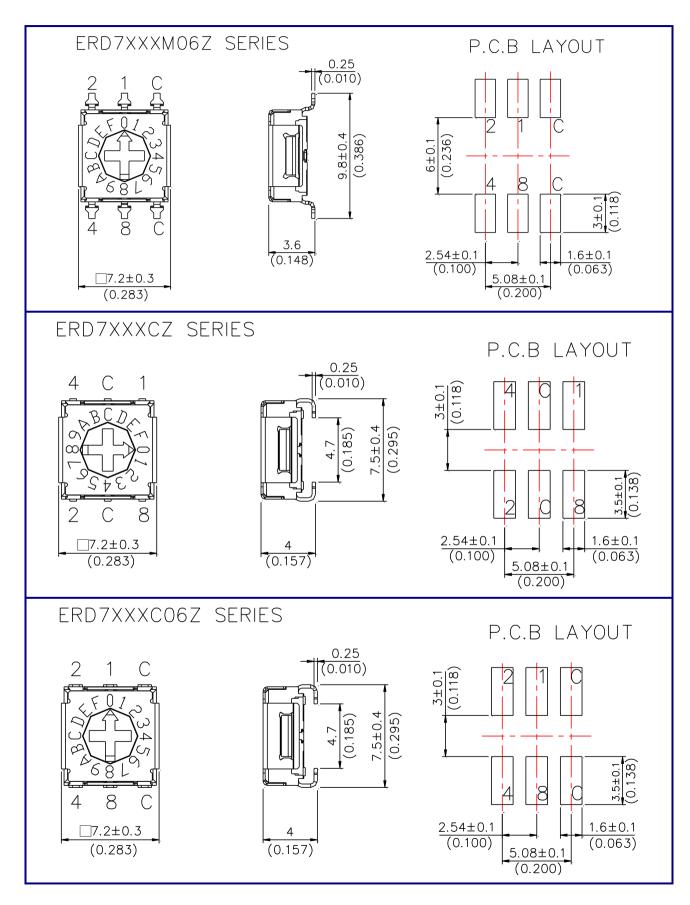
Switch

DIMENSIONS AND CIRCUITRY

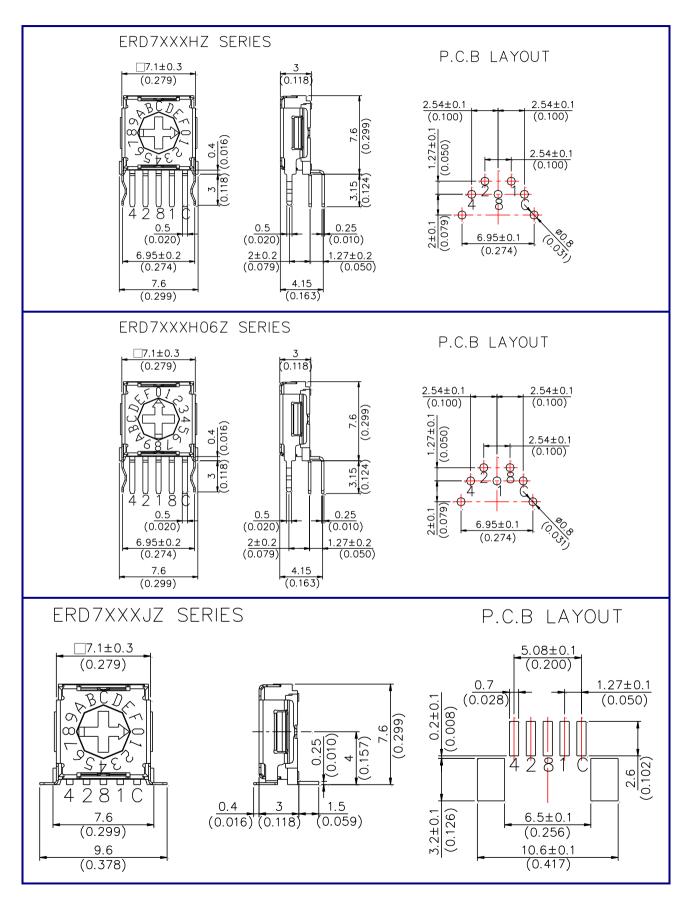


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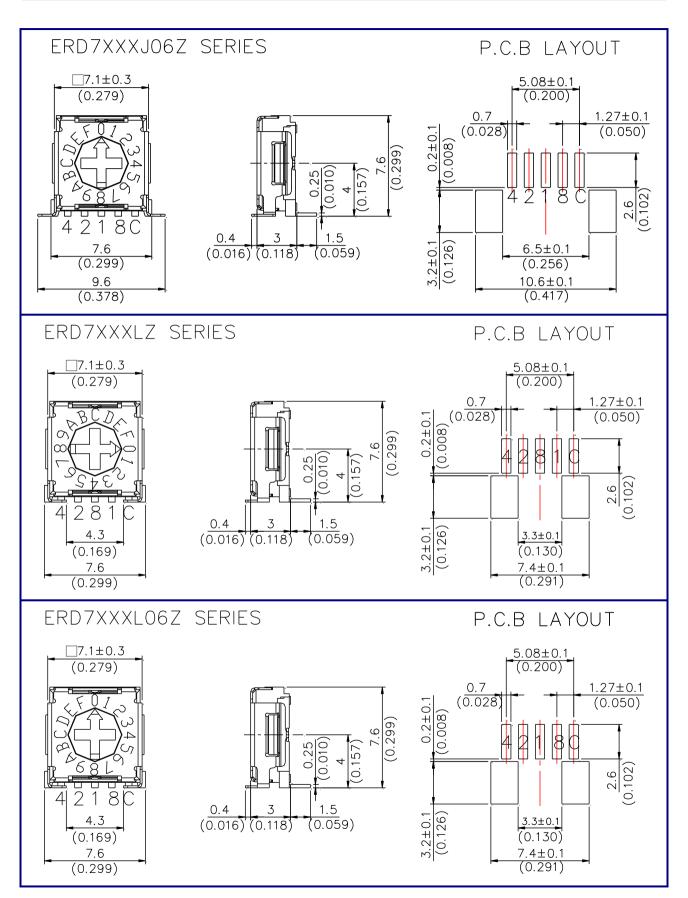






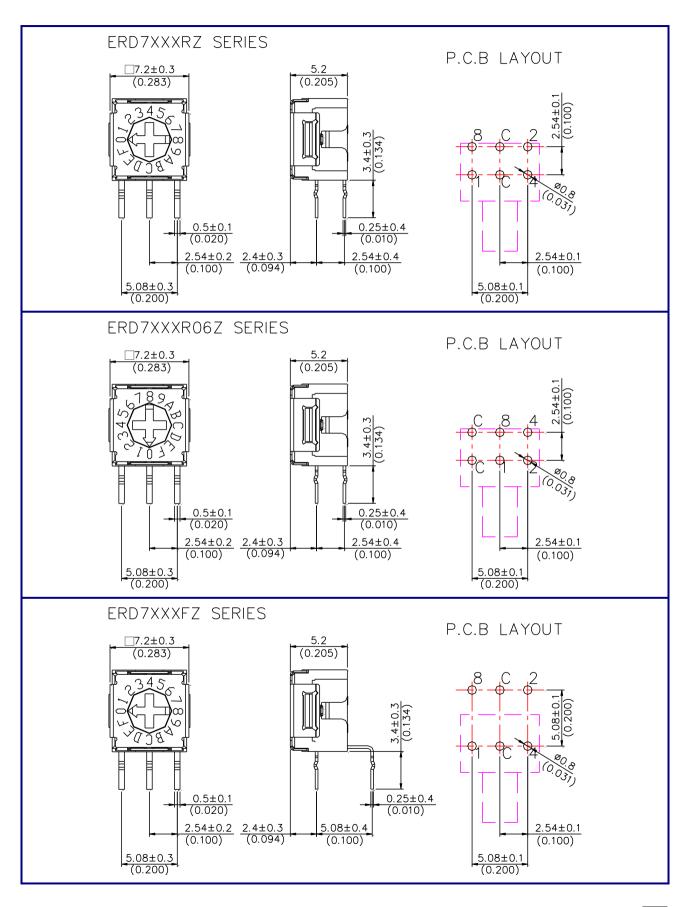




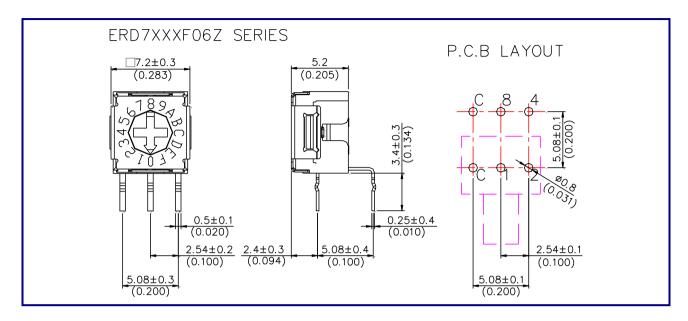


Switch









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