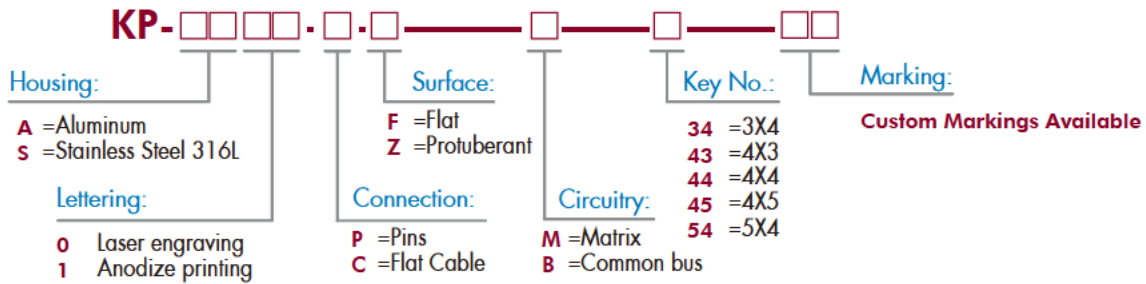




**Features:**

Maximum reliability and durability, Ideal for use in rough environments.  
 IP68 Dust and water resistant, Sea-water and detergent resistant.  
 No moving part, maintenance free.  
 Made of one piece of solid metal, totally rugged.  
 Potted switching unit at rear seals against all contamination and prevents freezing.  
 Flexible anodize print or laser engrave layout.



**Electrical Specifications:**

Switching voltage max.: 24VDC  
 Switching current max.: 200mA  
 Lifetime electrical: 15mill.  
 Insulation resistance (OFF = not actuated): > 5mΩ  
 Initial contact Resistance (ON = actuated): < 7.5Ω

**Mechanical Data:**

Actuating force: 5-15N  
 Temperature: -40 to +125°C  
 Protection class: IP68

**Other Data:**

Materials Front Panel Stainless Steel, Aluminum  
 Lettering Laser engraving/anodize printing



Dimensions: first dimensions are in mm while inches are shown as bracketed numbers.  
 Tolerance: The general tolerance for dimensions in this brochure is ± 0,3 (.012).  
 Dimensions, specifications and data shown in this brochure are subject to change without notice.

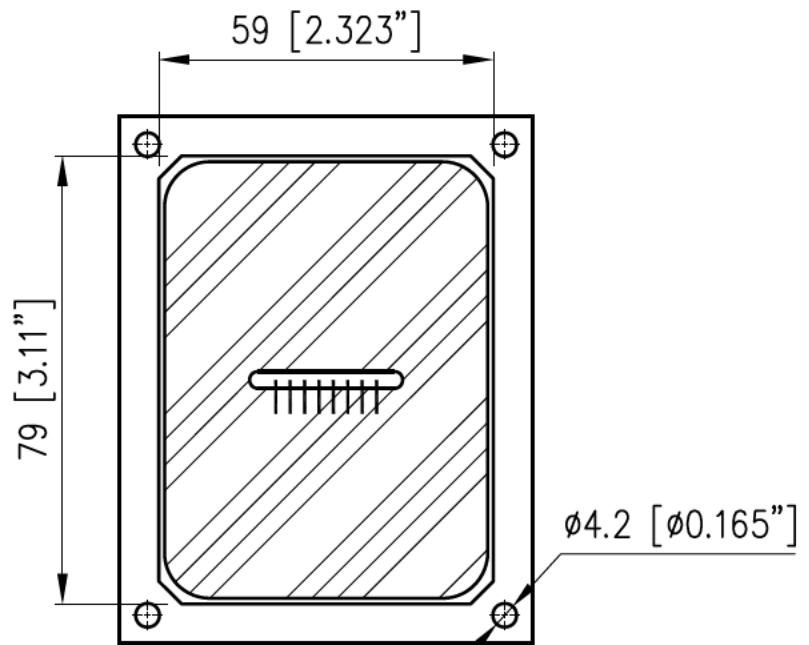
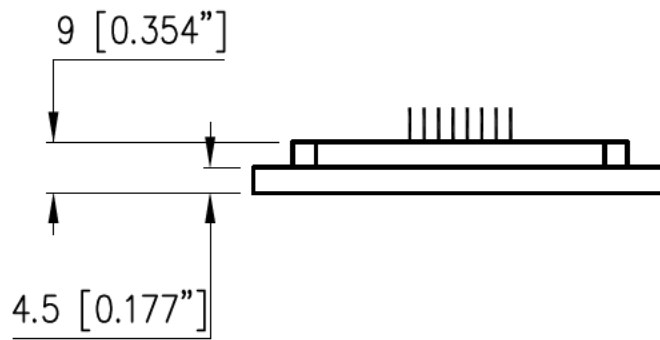
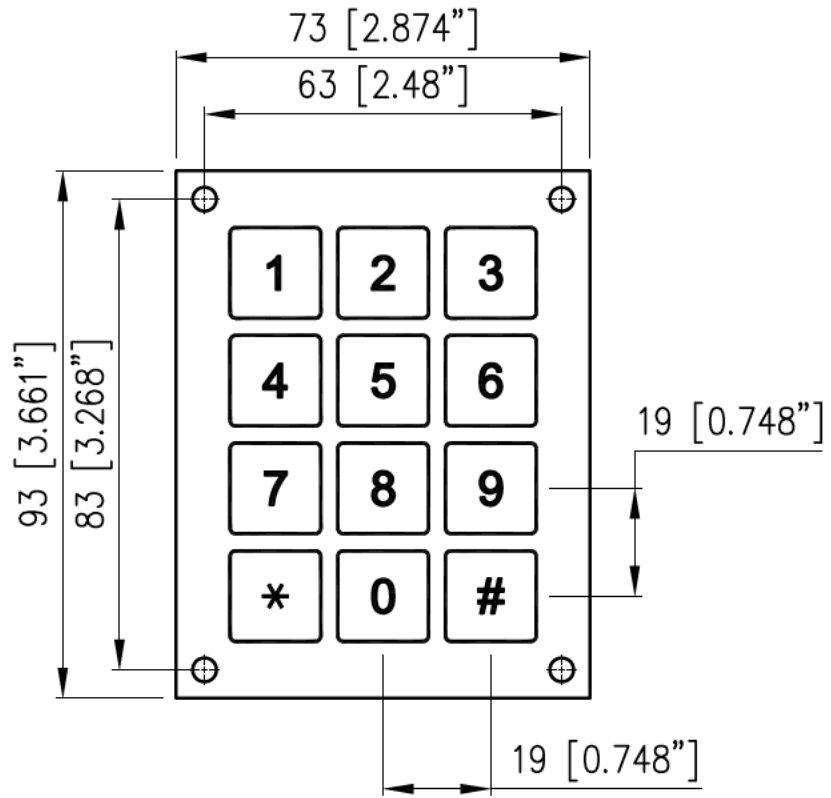


Mounting accessories standard hardware supplied :4 screws and 1 Sealing

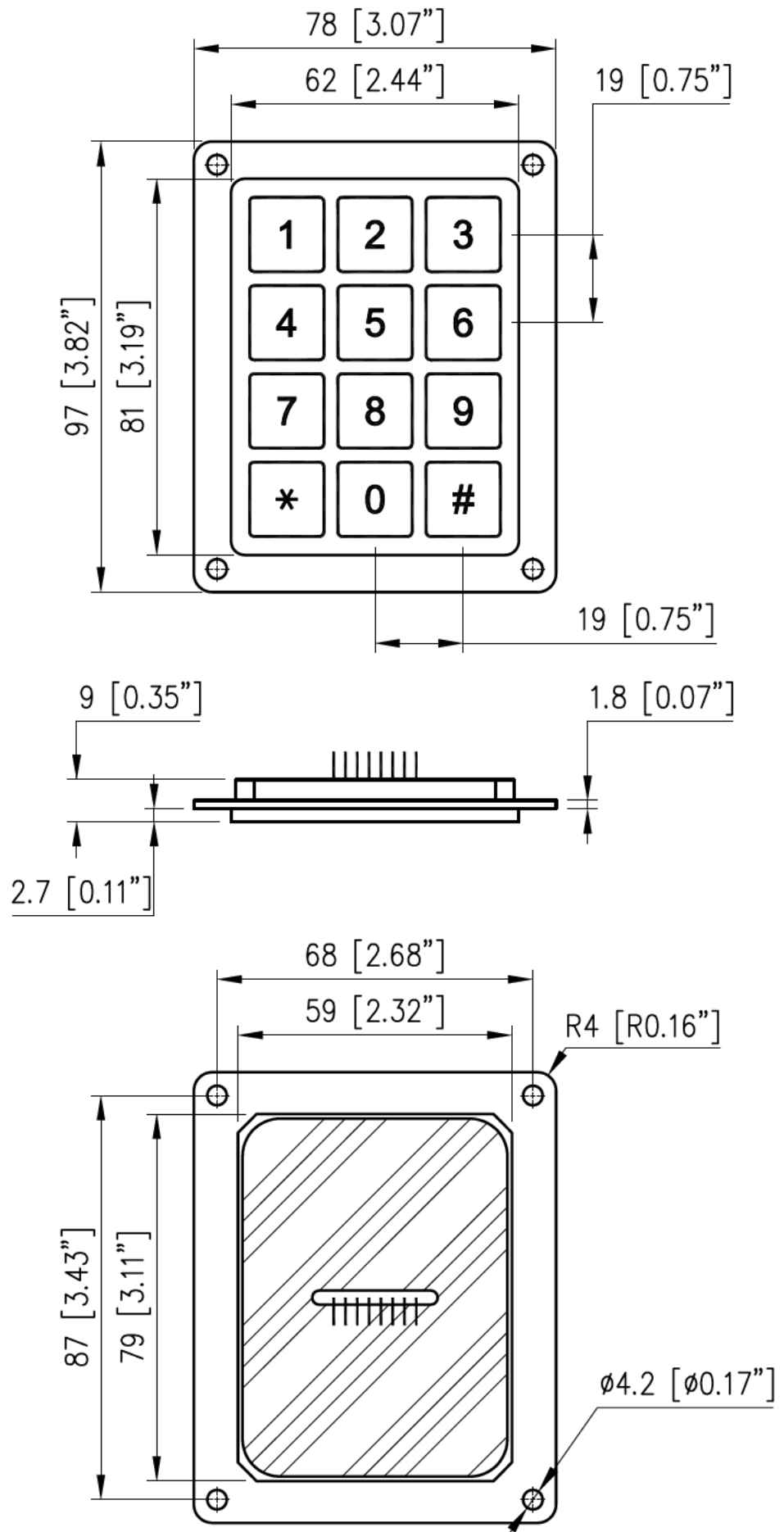


Packaging unit: 1 pieces

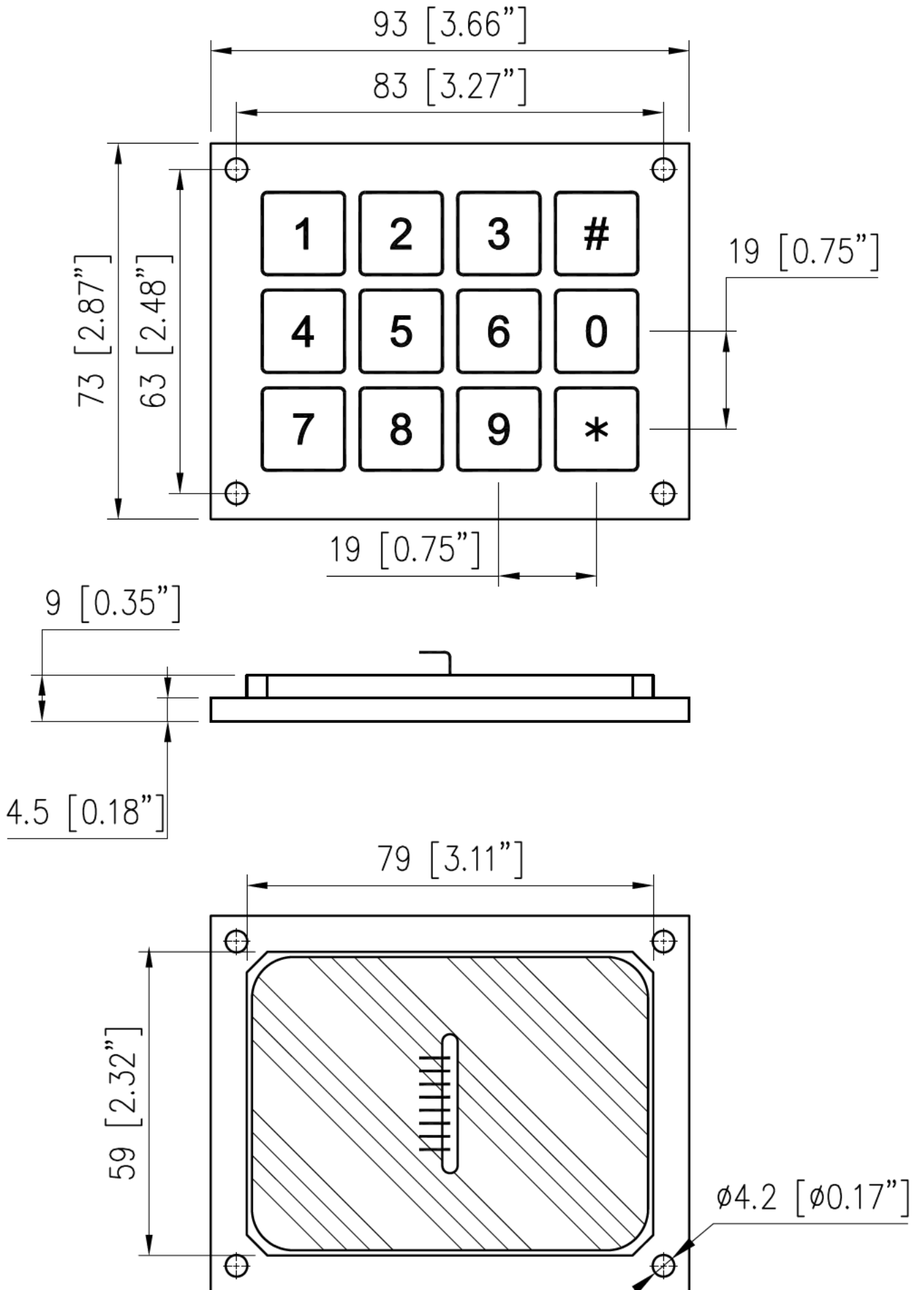
# KPF34



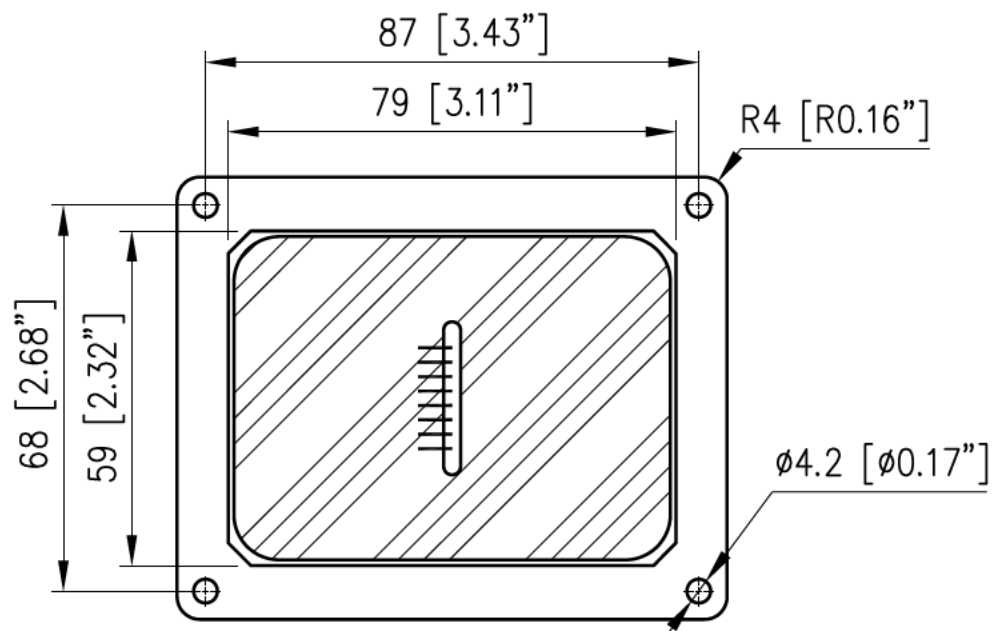
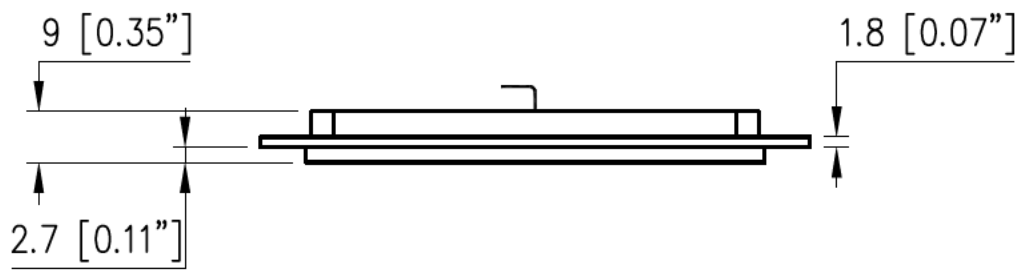
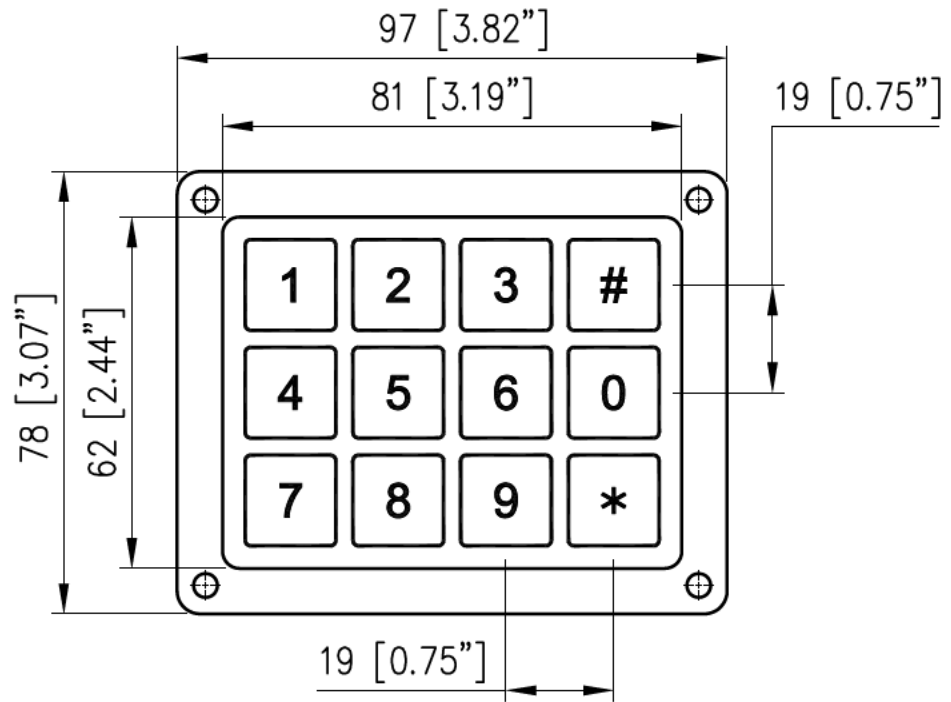
# KPZ34



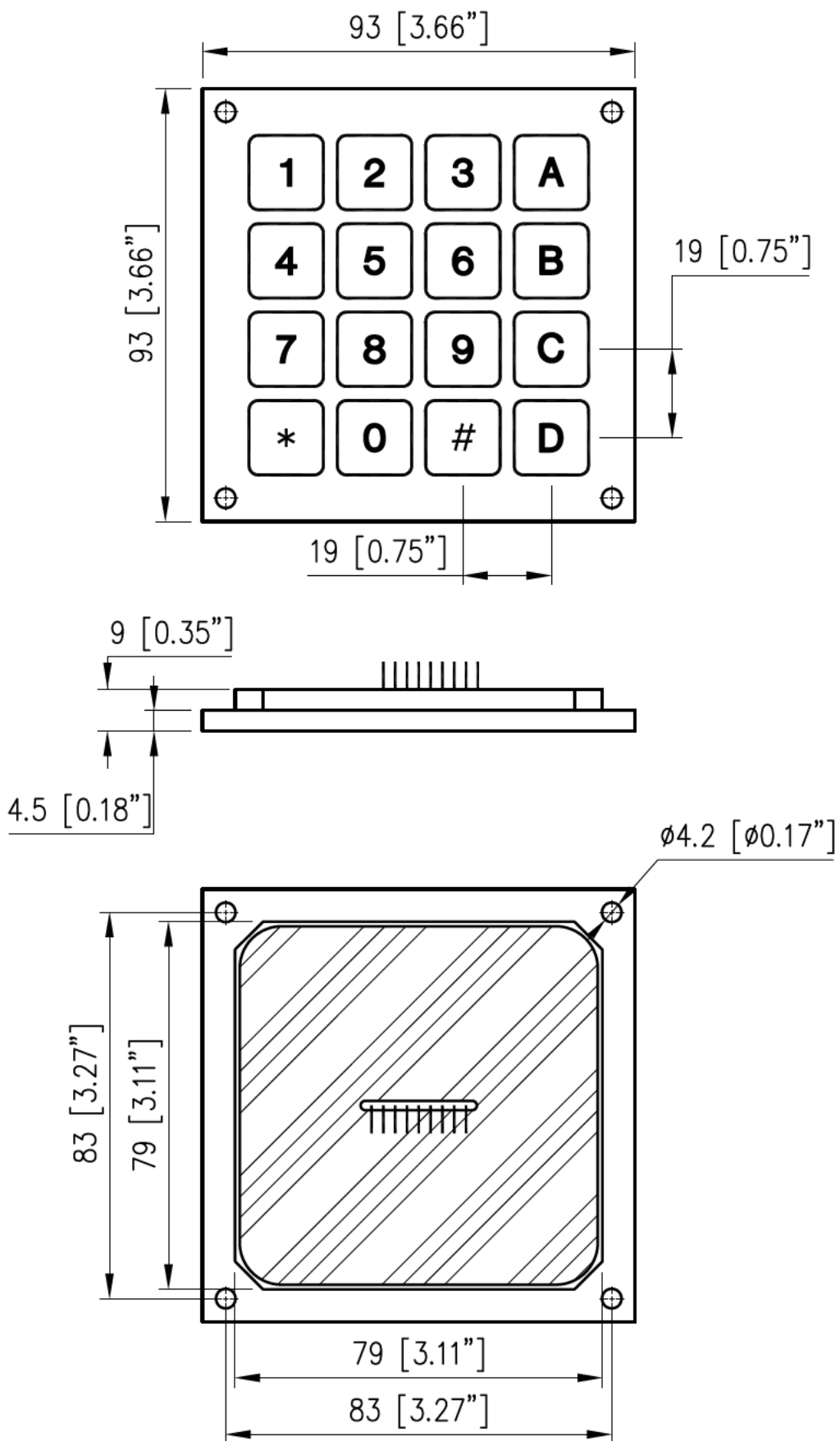
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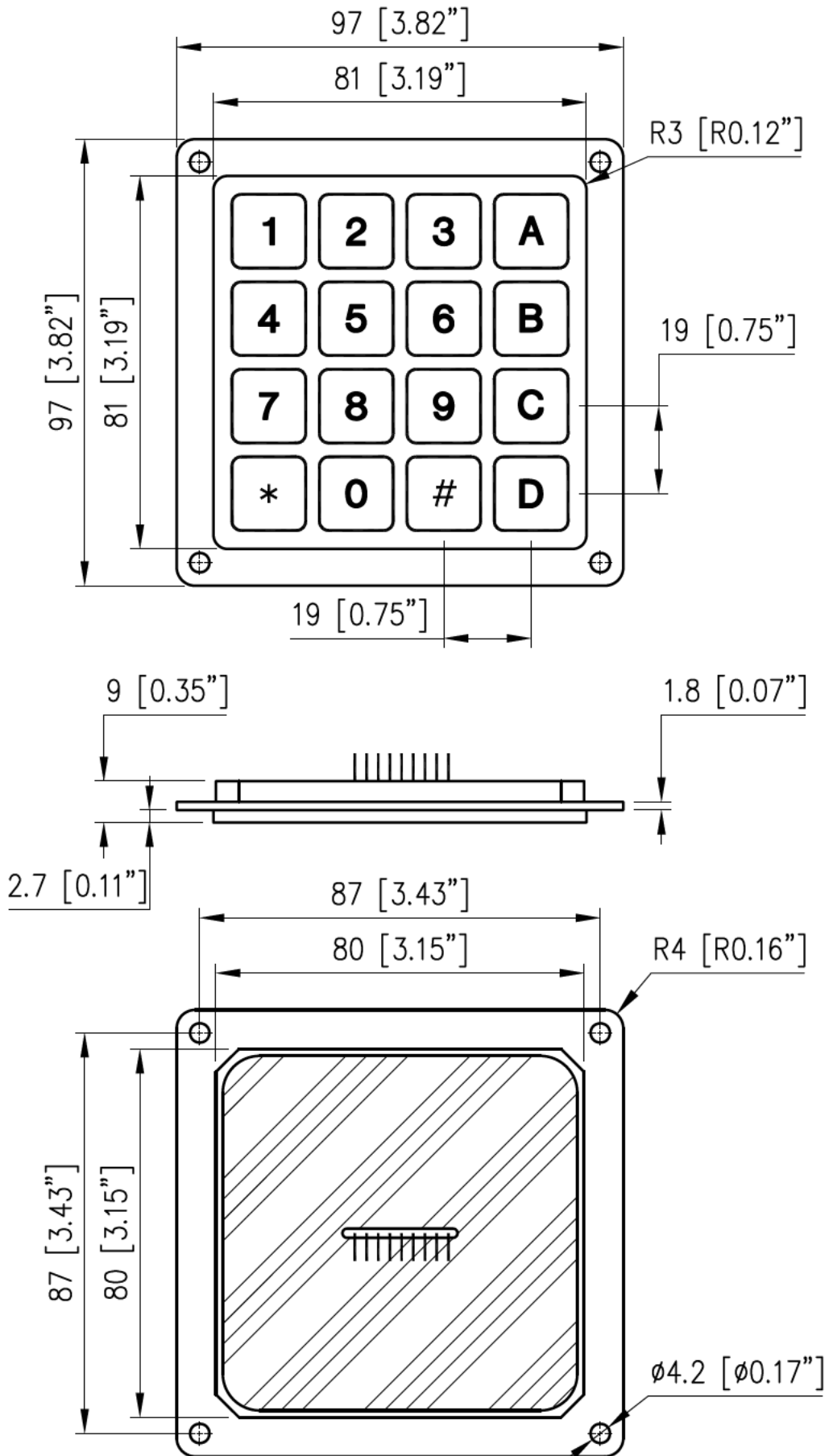
# KPZ43



# KPF44

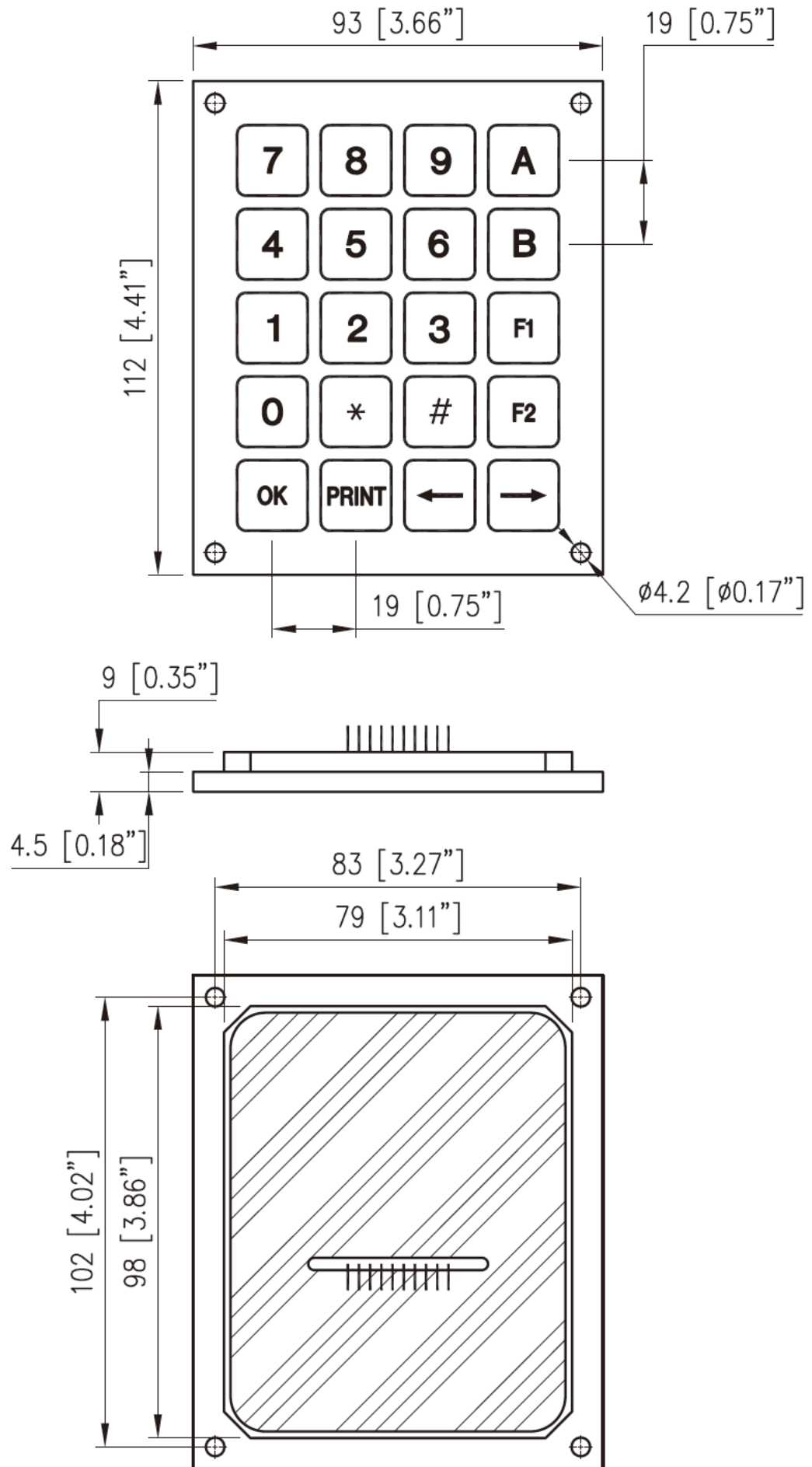


# KPZ44

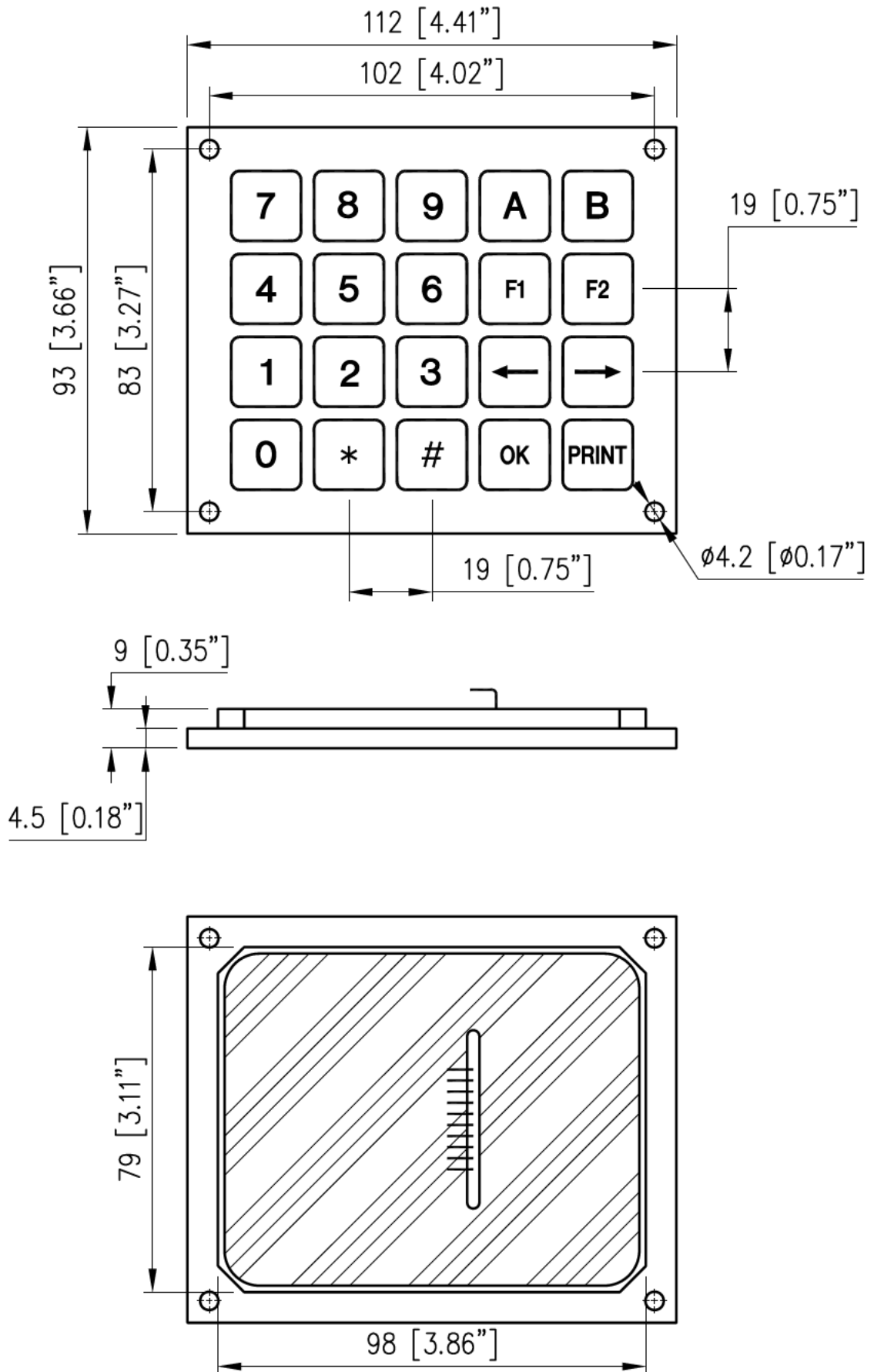




# KPF45




# KPF54




# Terminal locations for Matrix

**3x4**




		1	2	3	4	5	6	7	8	9	*	0	#
PIN	1	■	■	■									
	2				■	■	■						
	3							■	■	■			
	4										■	■	■
	5	■			■			■			■		
	6		■			■			■			■	
	7			■			■			■			■

**4x3**



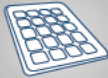
		1	2	3	4	5	6	7	8	9	*	0	#
PIN	1	■			■			■					
	2		■			■			■				
	3			■			■			■			
	4										■	■	■
	5							■	■	■	■		
	6				■	■	■					■	
	7	■	■	■									■

**4x4**




		1	2	3	A	4	5	6	B	7	8	9	C	*	0	#	D	
PIN	1	■	■	■	■													
	2					■	■	■	■									
	3										■	■	■	■				
	4														■	■	■	■
	5	■				■					■				■			
	6		■				■					■				■		
	7			■				■					■				■	
	8				■				■					■				■

**4x5**



		A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK	
PIN	1	■	■	■	■	■																
	2						■	■	■	■	■											
	3												■	■	■	■	■					
	4																	■	■	■	■	■
	5	■						■					■					■				
	6		■						■					■					■			
	7			■						■					■					■		
	8				■						■					■					■	
	9					■						■					■					■

**5x4**



		A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK	
PIN	1	■	■				■					■					■					
	2			■	■					■			■					■				
	3				■				■		■			■						■		
	4									■						■	■				■	■
	5																	■	■	■	■	
	6													■	■	■	■					
	7							■	■	■	■											
	8	■		■								■										■
	9		■		■	■											■					

