



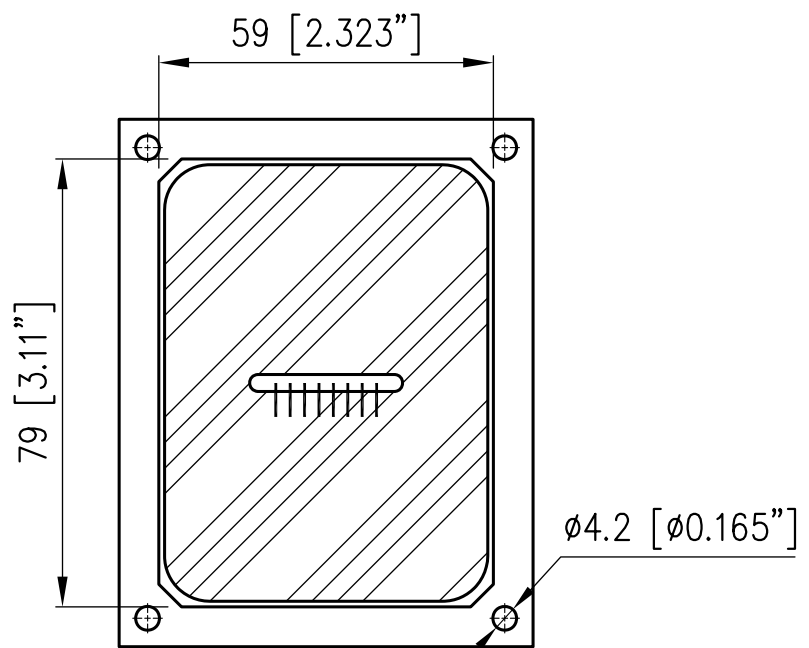
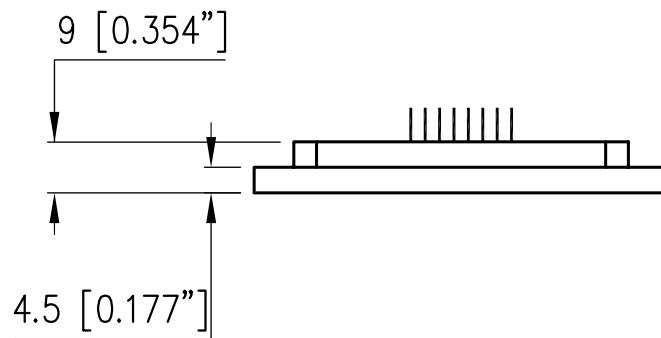
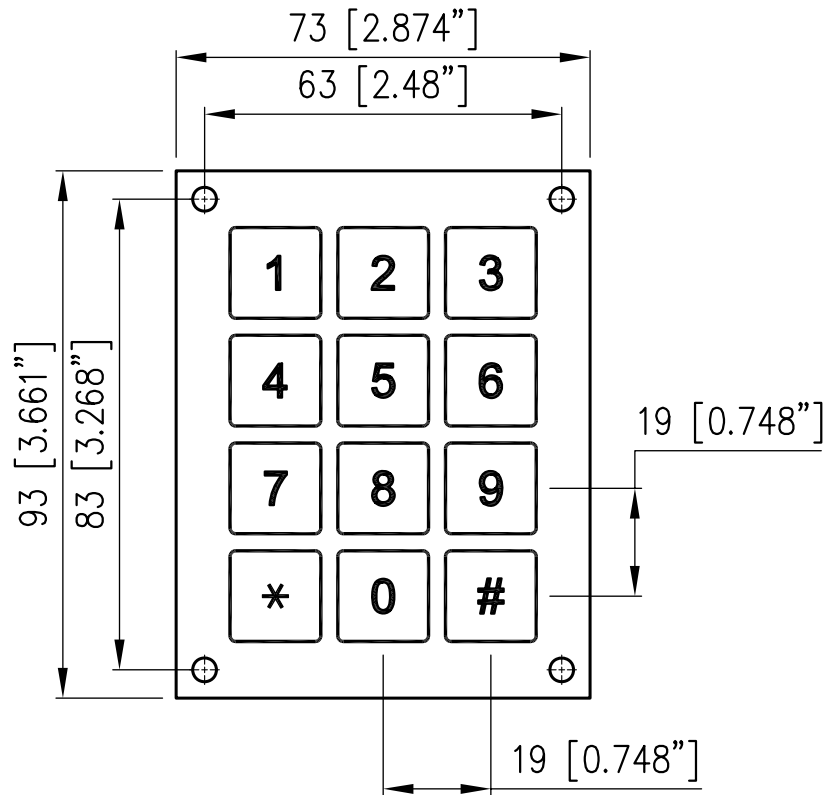
**langir**<sup>®</sup>

Keypads

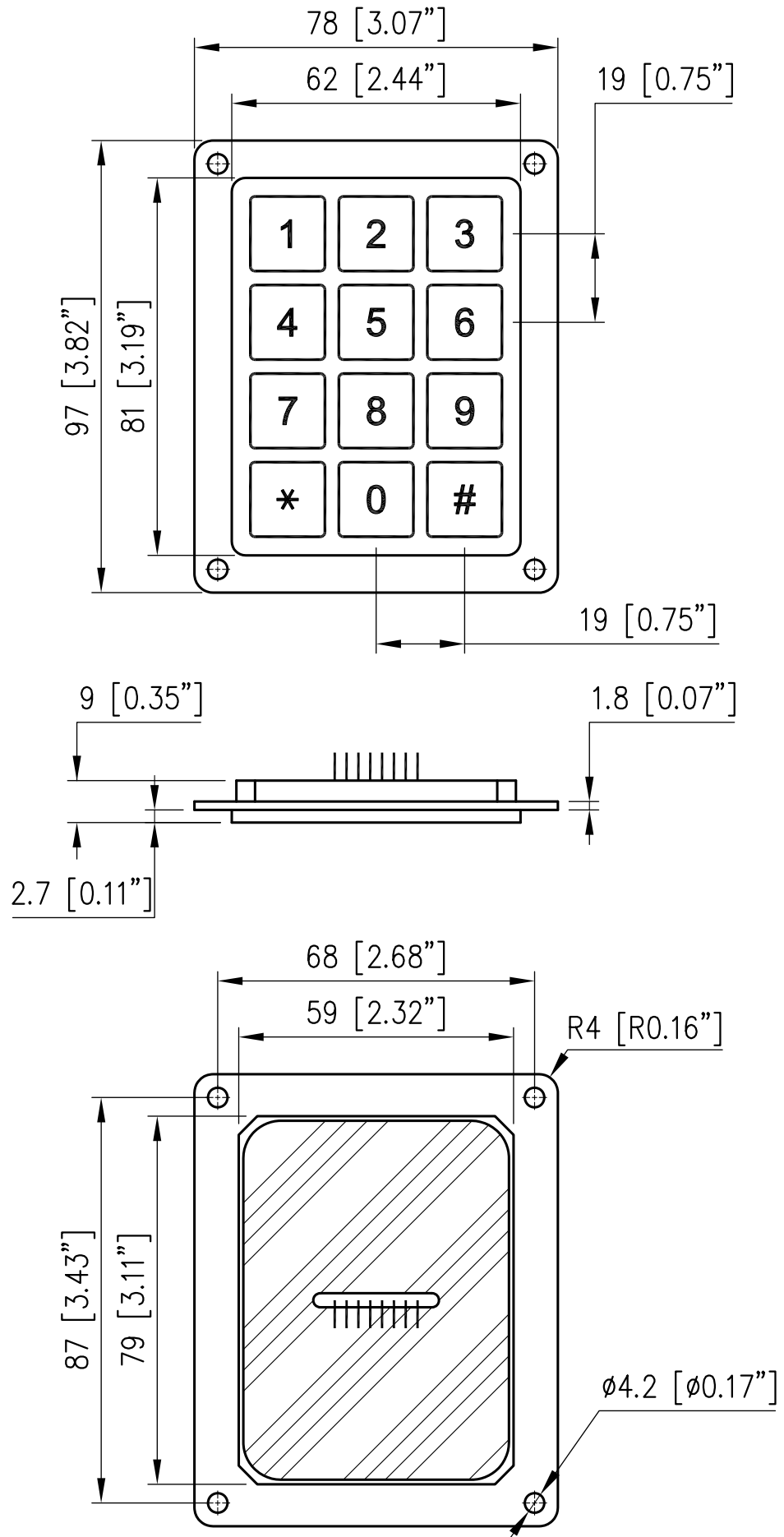
[www.piezo-switch.com](http://www.piezo-switch.com)



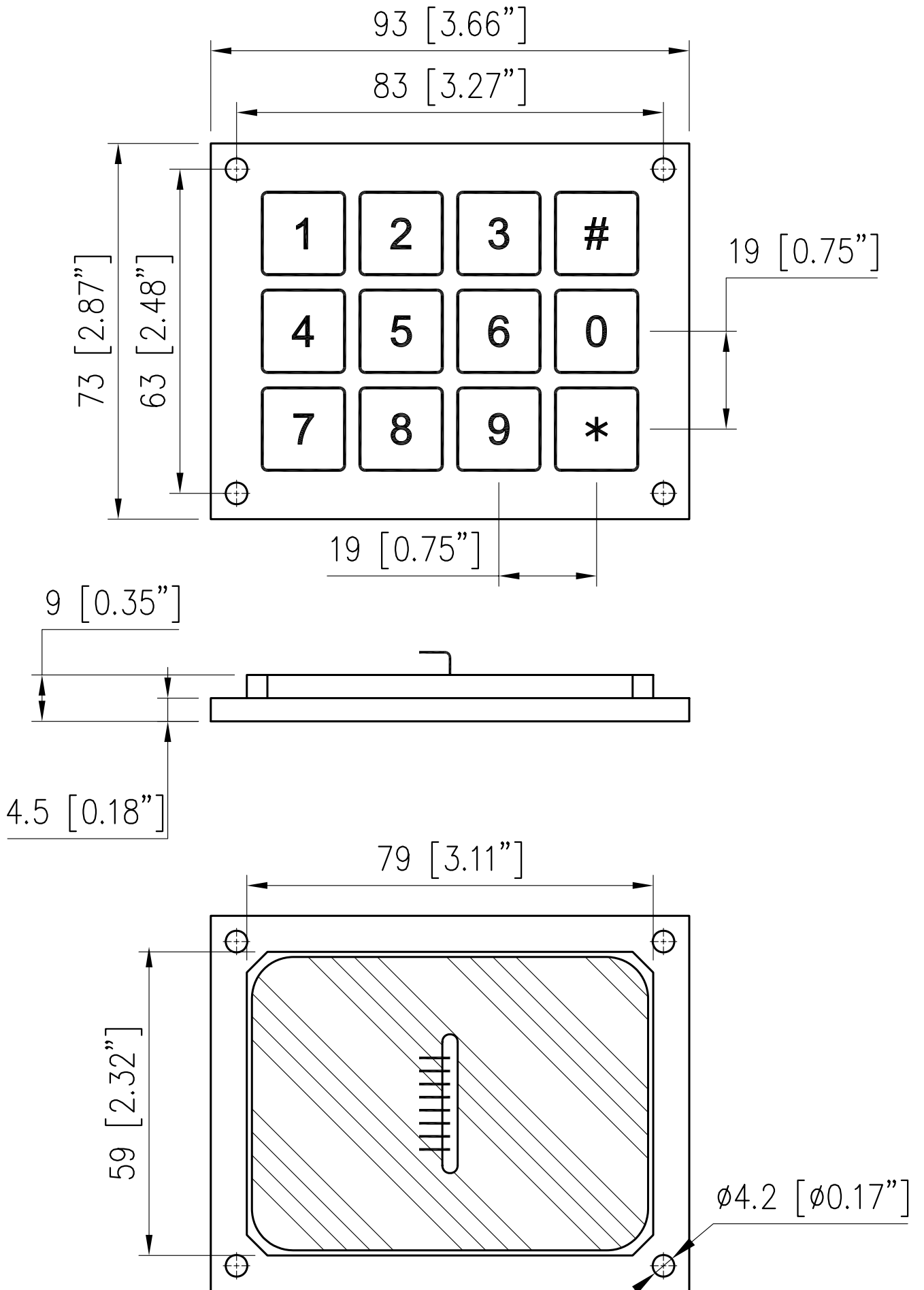
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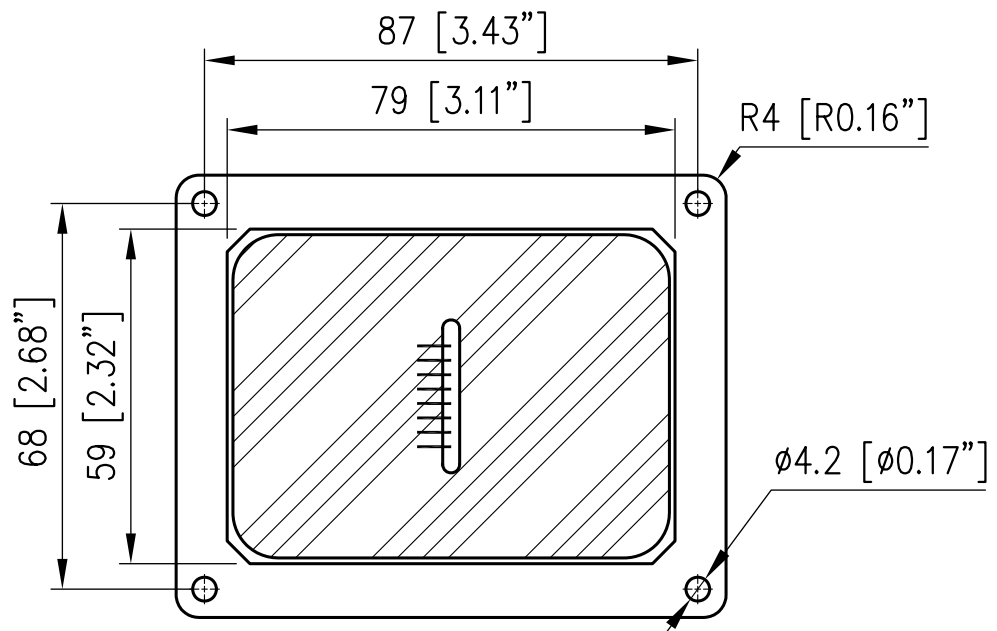
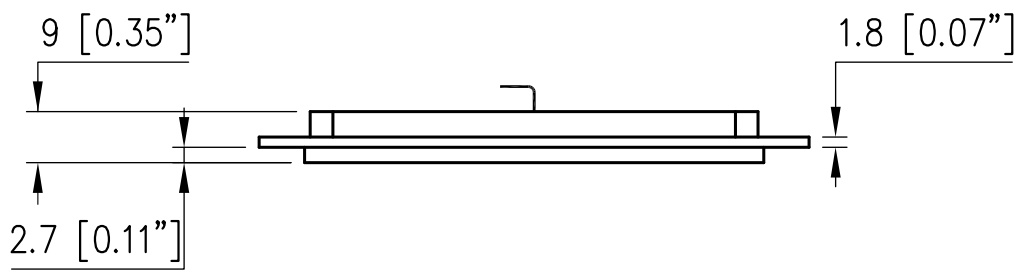
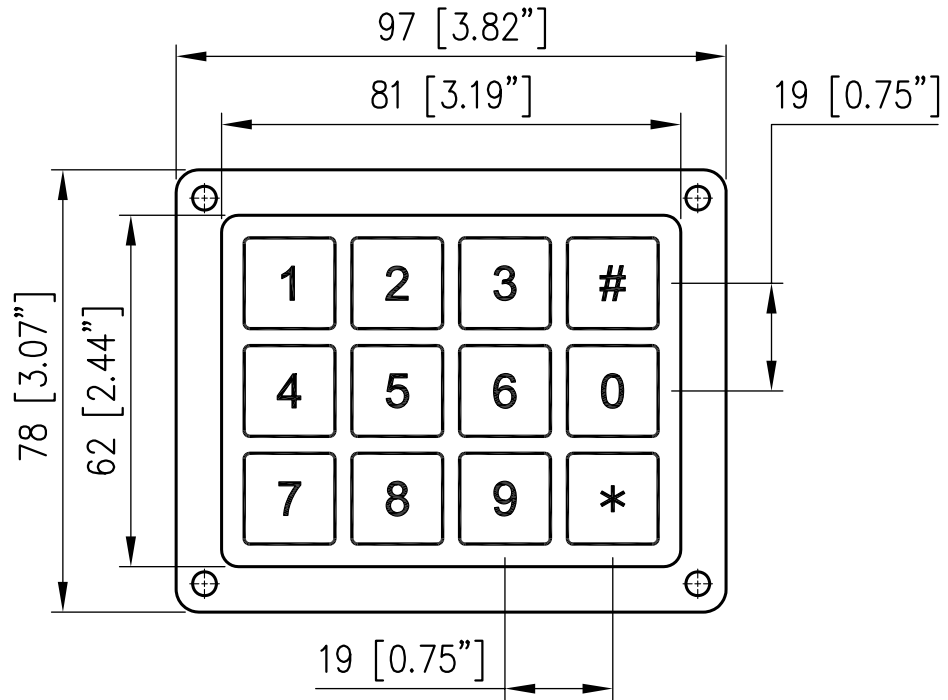


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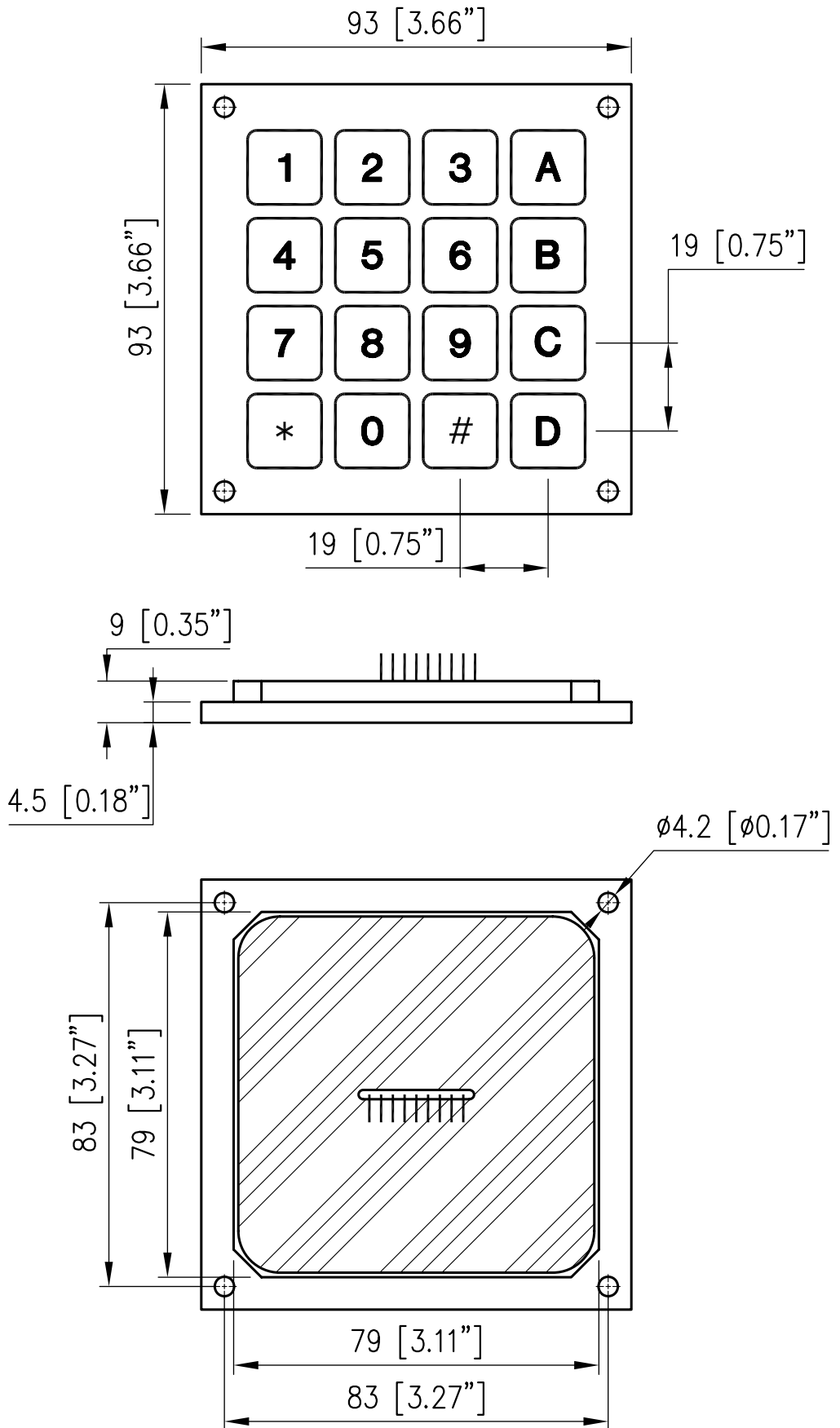


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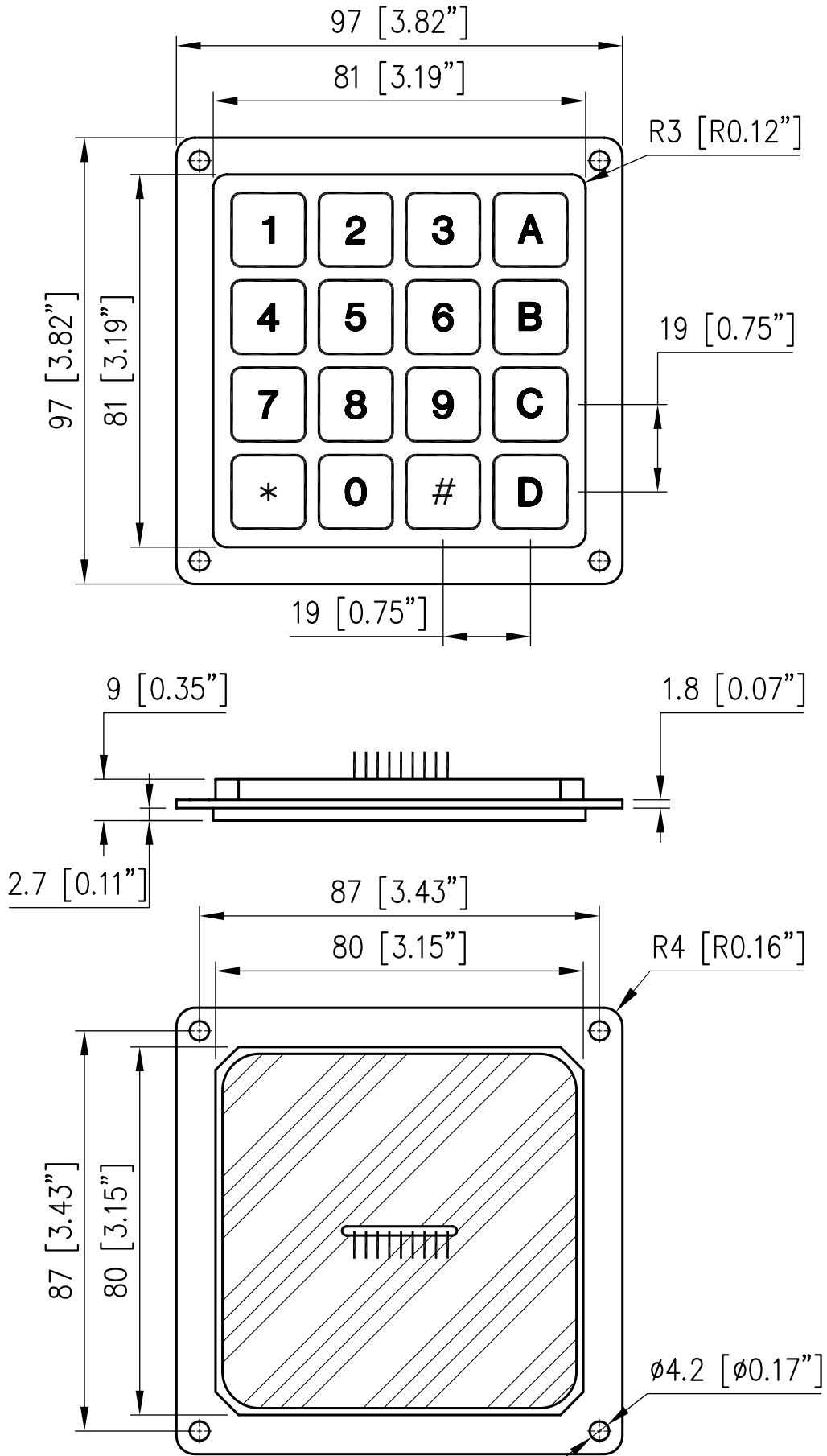




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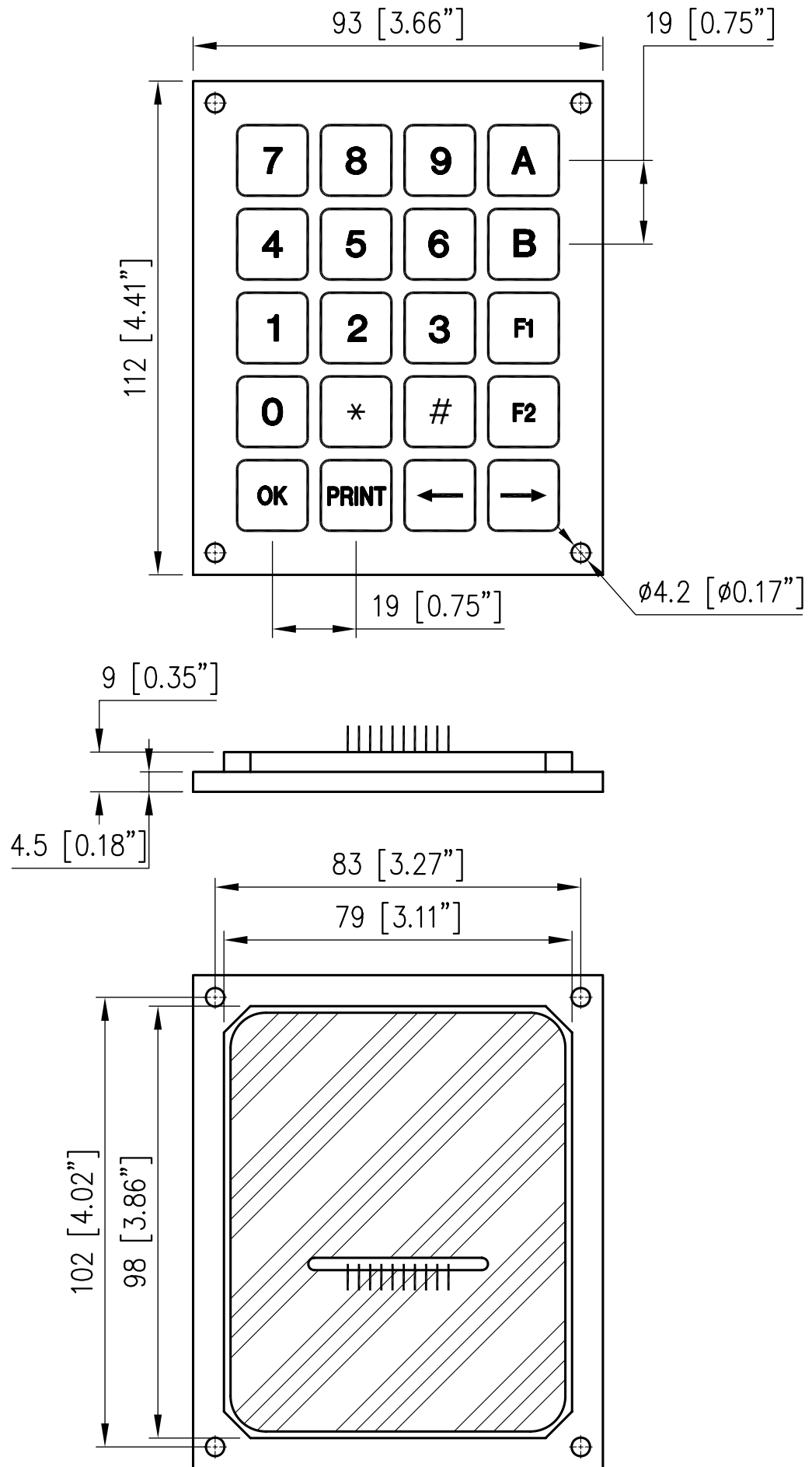


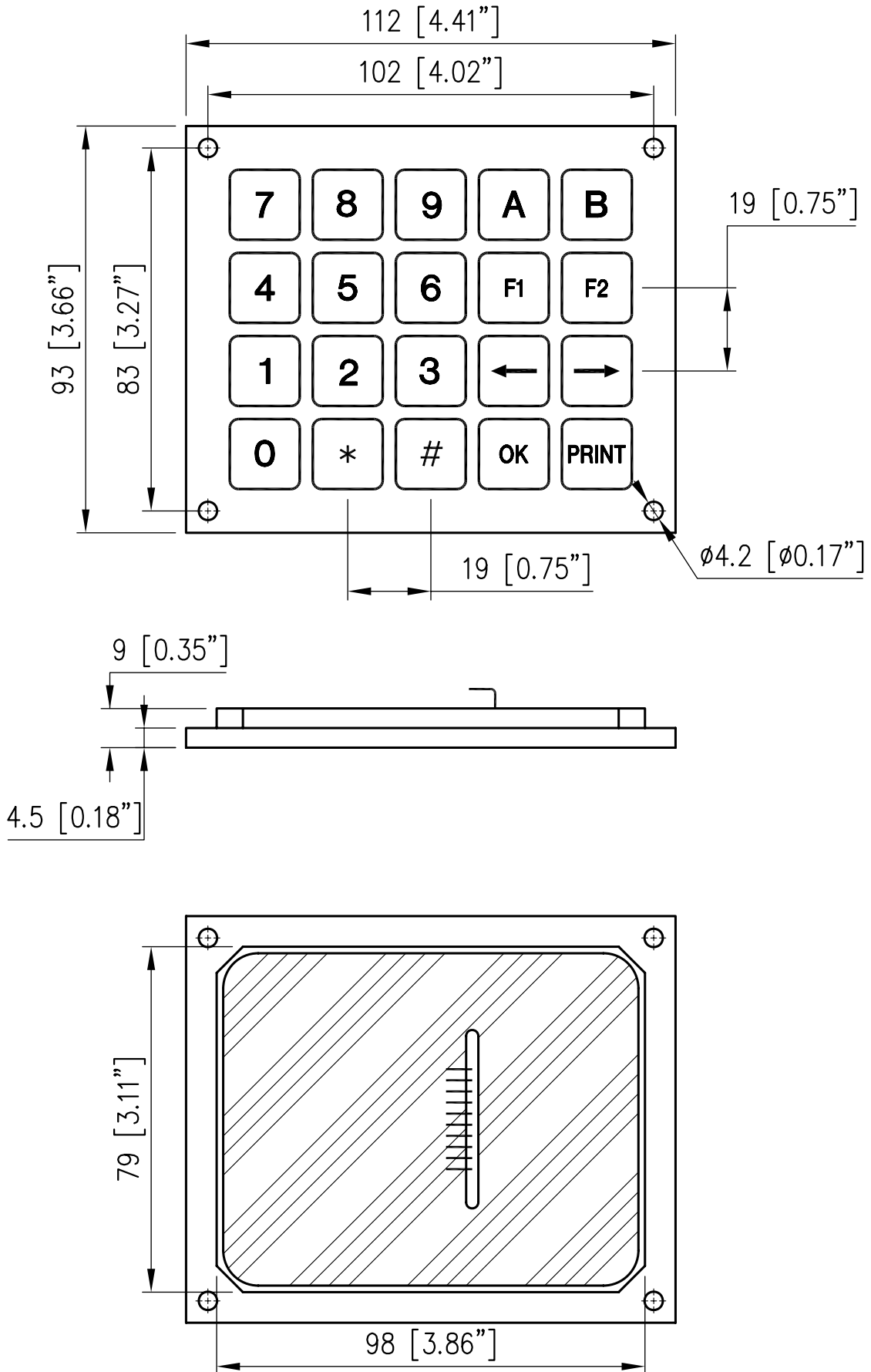
# KPZ44






# KPF45






# Terminal locations for Matrix

**3x4**




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

**4x3**




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

**4x4**




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

**4x5**



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

**5x4**



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

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