

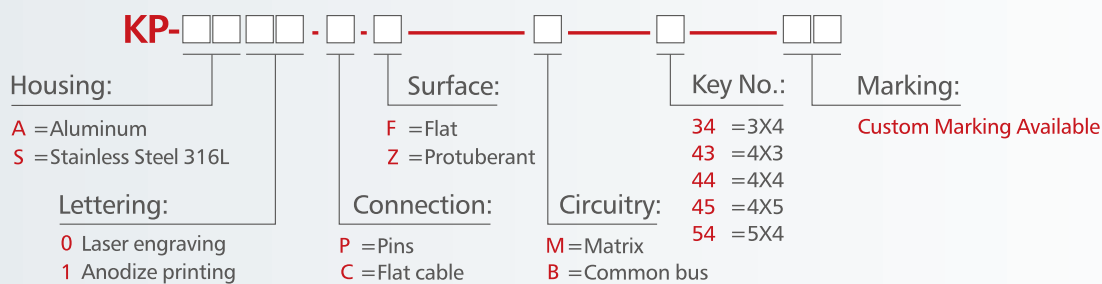
Keypads

www.langir.com



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): $>5\text{m}\Omega$
Initial contact Resistance (ON = actuated): $<7.5\Omega$

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 $\pm 0,3$ (.012).
Dimensions, specifications and data shown in this brochure are subject to change without notice.



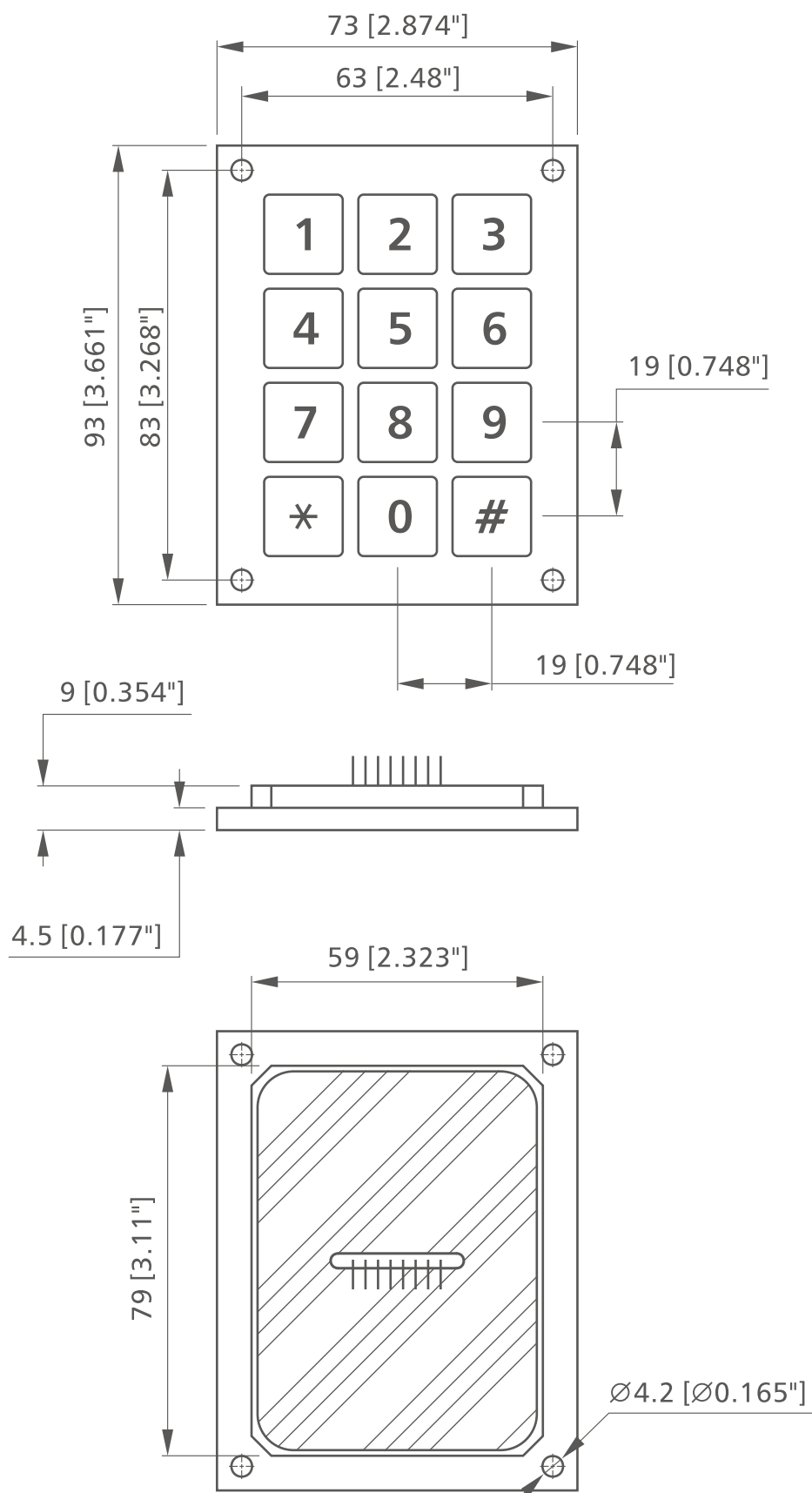
Mounting accessories standard hardware supplied :4 screws and 1 Sealing

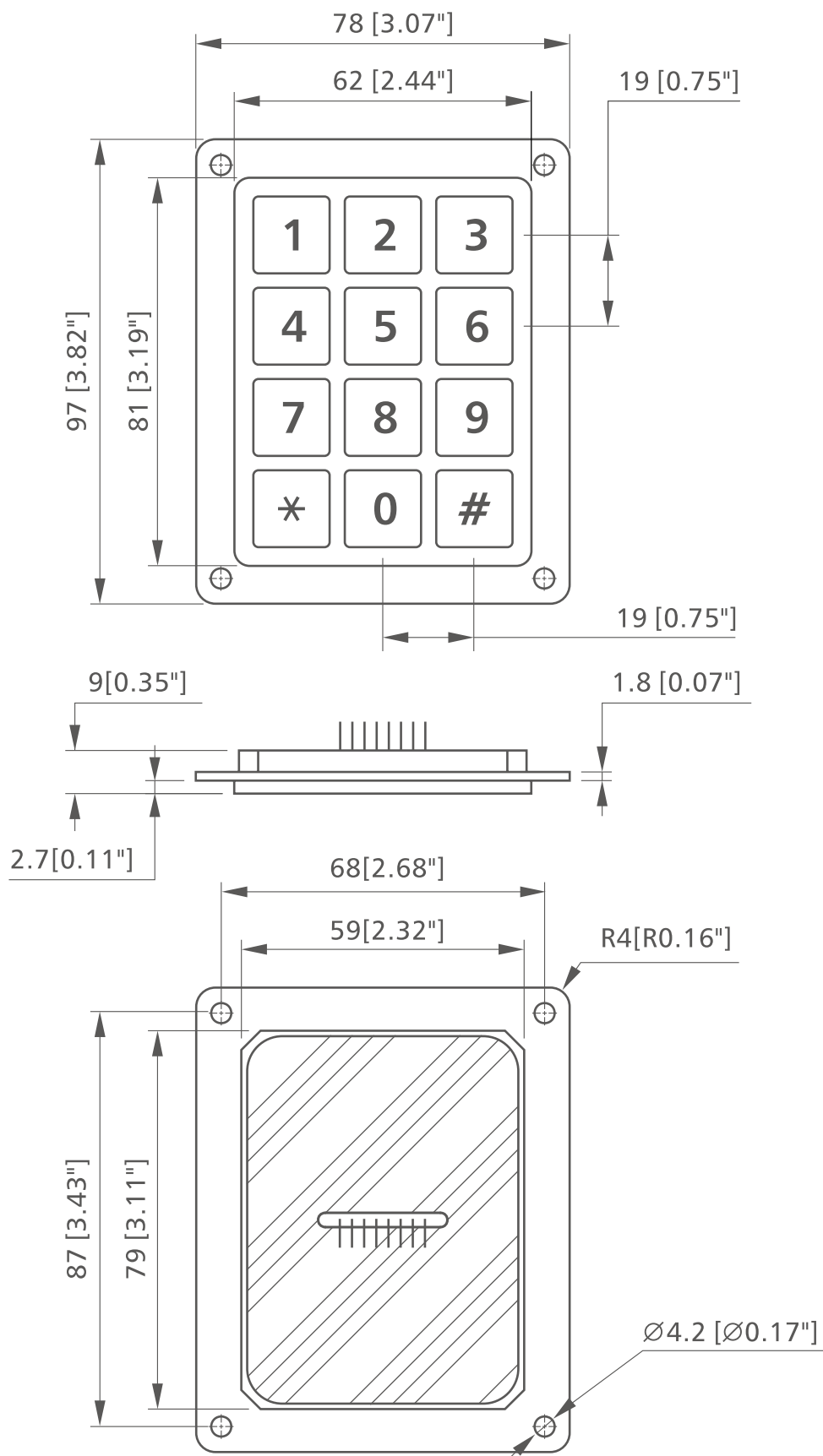


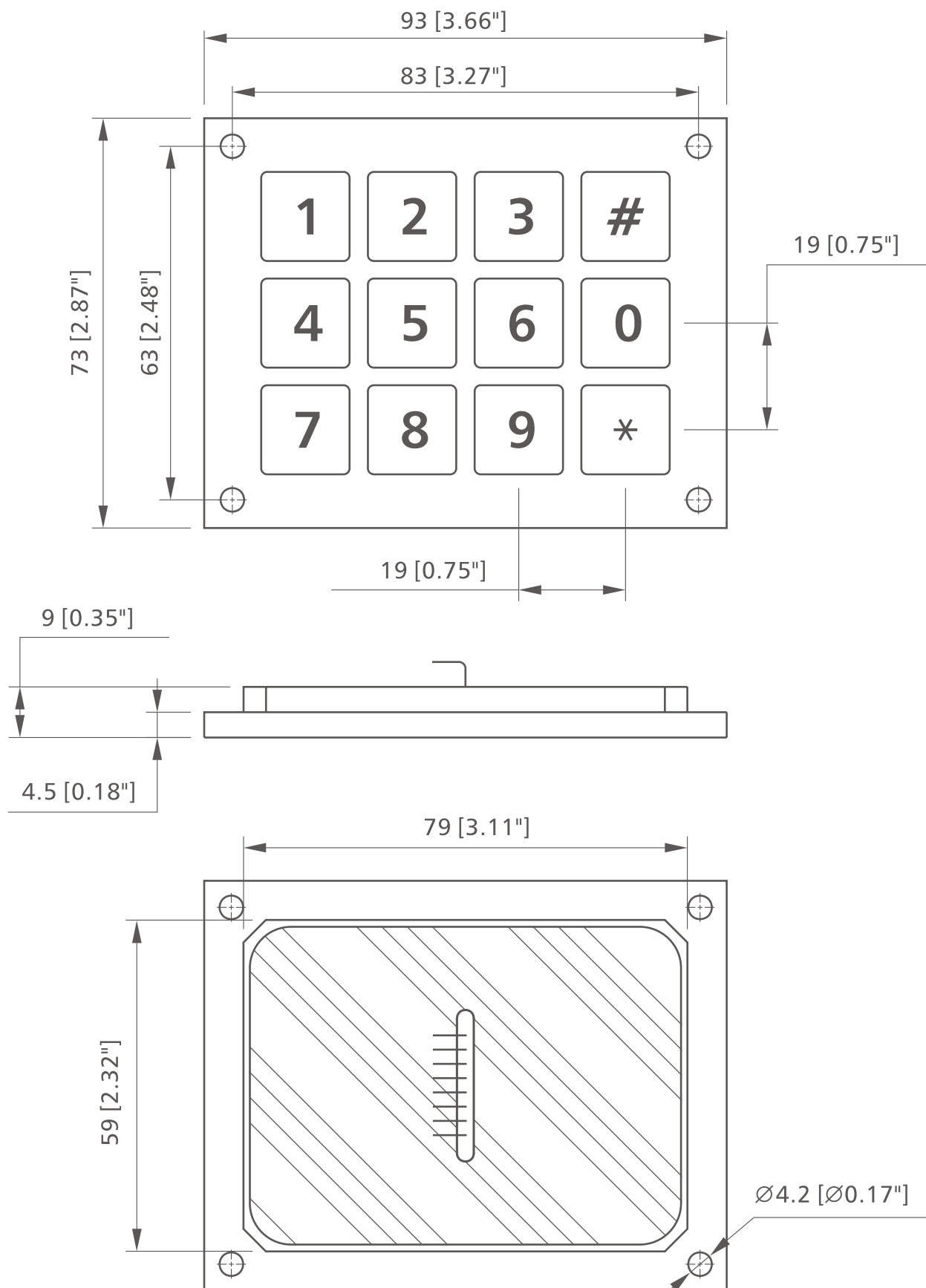
Packing unit: 1 piece

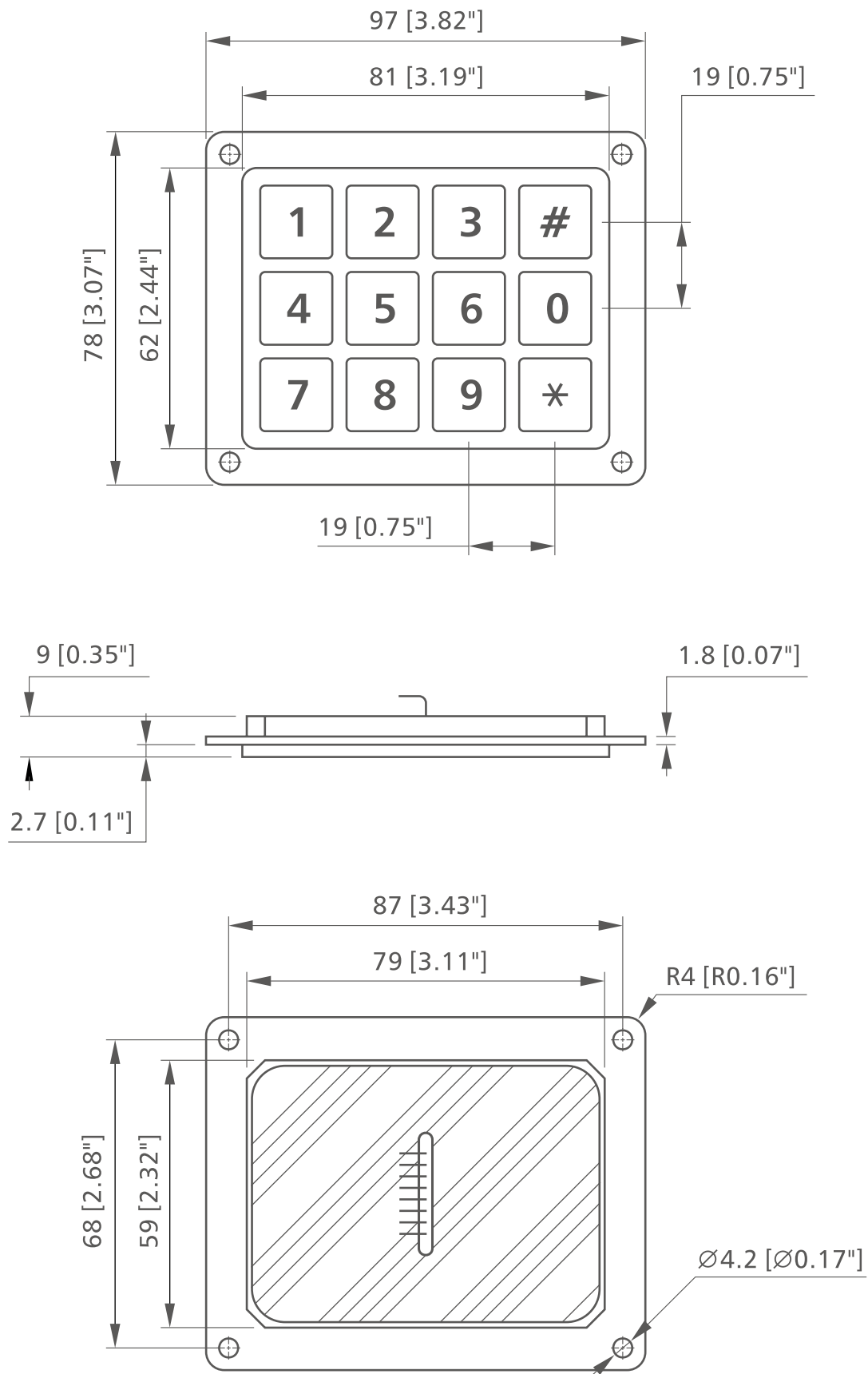
For options not listed above, please contact LANGIR.

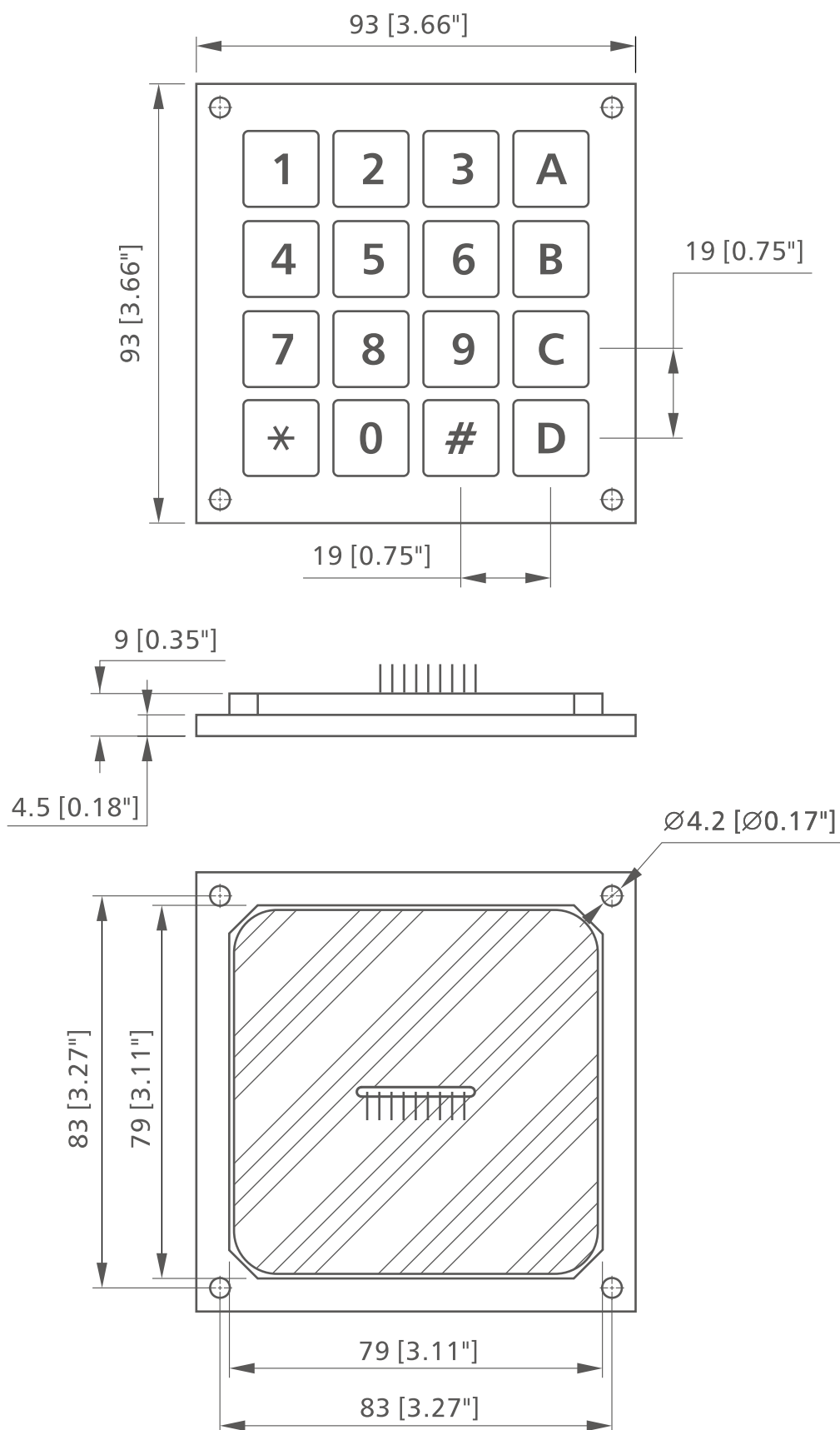
The appearance of the products listed on this file, color, parameters are for reference only, issued a kind of LANGIR Company shall prevail. LANGIR Company reserves the right to modify or cancel the relevant parameters of this file does not advance notice. If in doubt, please contact customer service hotline.

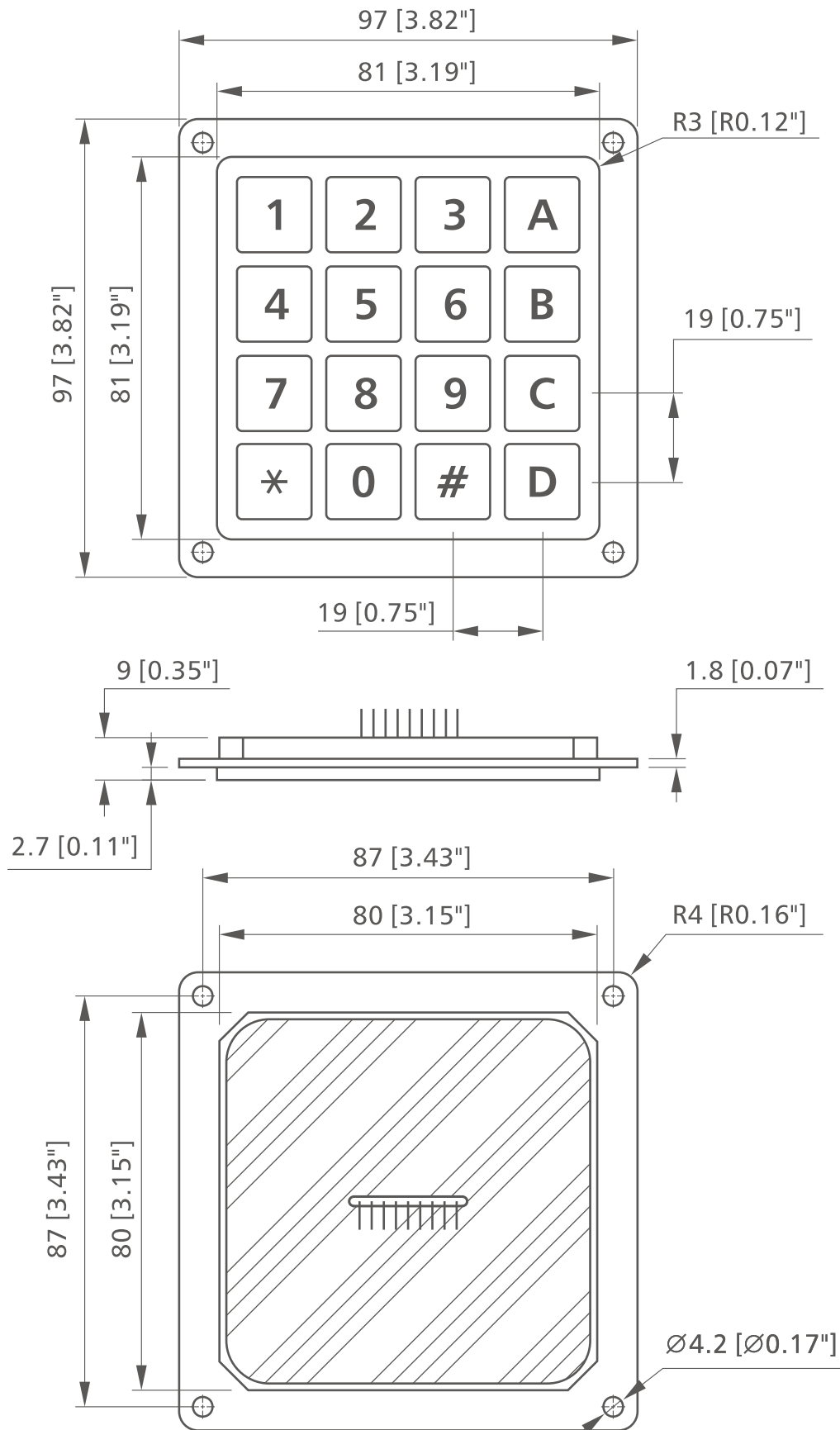


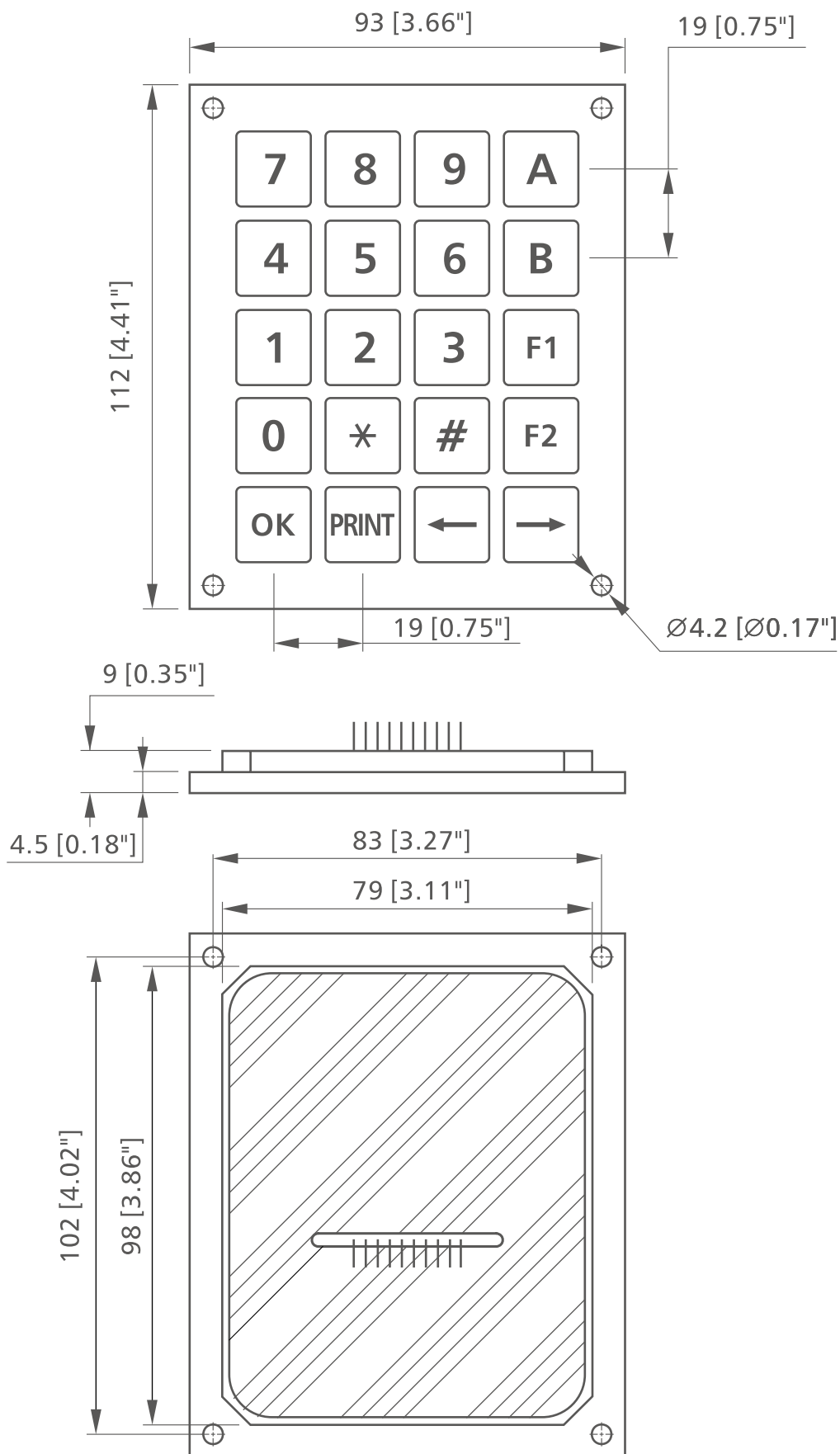


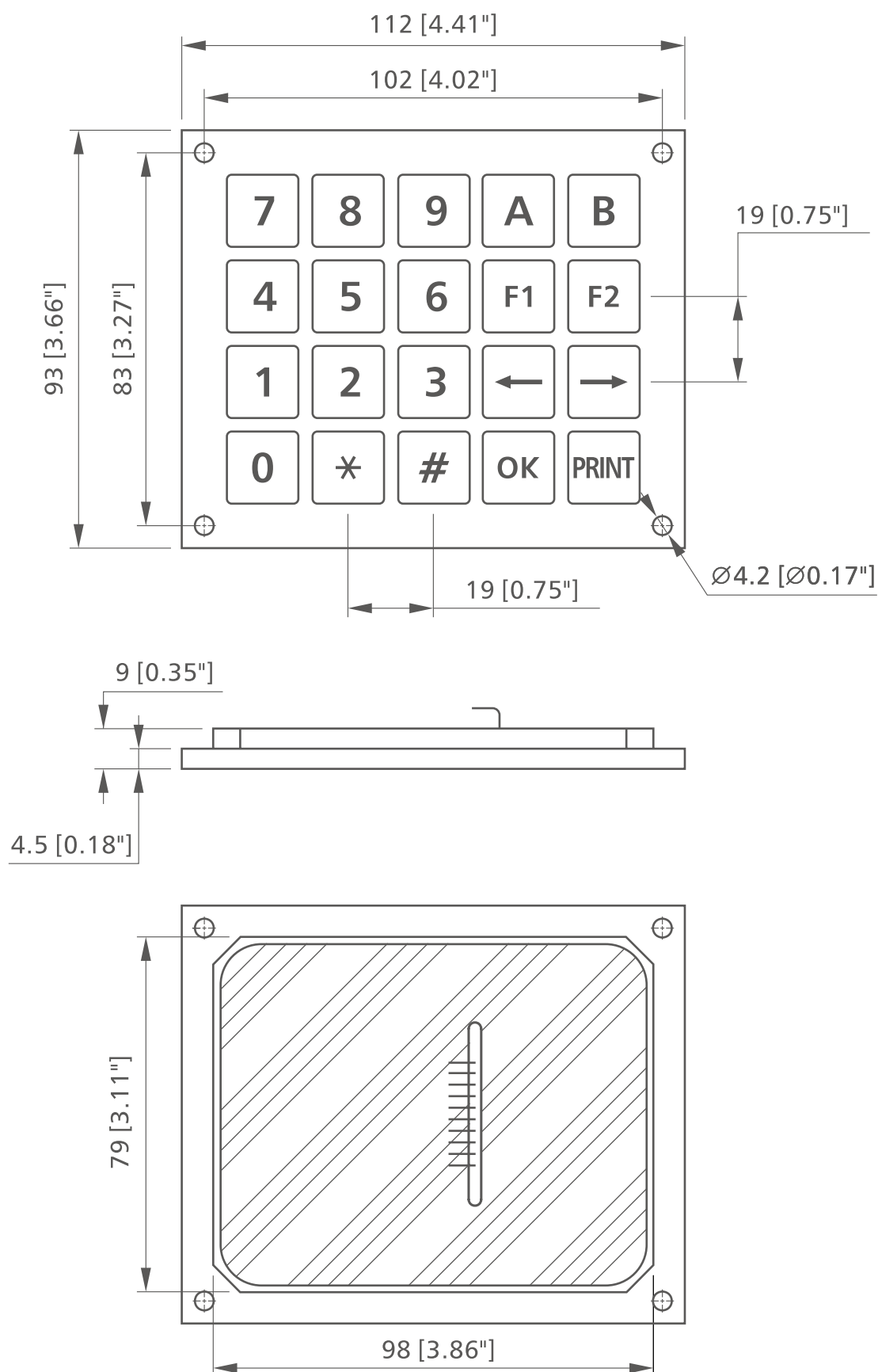












3x4		PIN <table><tr><th></th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>*</th><th>0</th><th>#</th></tr><tr><th>1</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>3</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		1	2	3	4	5	6	7	8	9	*	0	#	1													2													3													4													5													6													7																																																																																																																						
	1	2	3	4	5	6	7	8	9	*	0	#																																																																																																																																																																																																								
1																																																																																																																																																																																																																				
2																																																																																																																																																																																																																				
3																																																																																																																																																																																																																				
4																																																																																																																																																																																																																				
5																																																																																																																																																																																																																				
6																																																																																																																																																																																																																				
7																																																																																																																																																																																																																				
4x3		PIN <table><tr><th></th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>*</th><th>0</th><th>#</th></tr><tr><th>1</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>3</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		1	2	3	4	5	6	7	8	9	*	0	#	1													2													3													4													5													6													7																																																																																																																						
	1	2	3	4	5	6	7	8	9	*	0	#																																																																																																																																																																																																								
1																																																																																																																																																																																																																				
2																																																																																																																																																																																																																				
3																																																																																																																																																																																																																				
4																																																																																																																																																																																																																				
5																																																																																																																																																																																																																				
6																																																																																																																																																																																																																				
7																																																																																																																																																																																																																				
4x4		PIN <table><tr><th></th><th>1</th><th>2</th><th>3</th><th>A</th><th>4</th><th>5</th><th>6</th><th>B</th><th>7</th><th>8</th><th>9</th><th>C</th><th>*</th><th>0</th><th>#</th><th>D</th></tr><tr><th>1</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>3</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>8</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		1	2	3	A	4	5	6	B	7	8	9	C	*	0	#	D	1																	2																	3																	4																	5																	6																	7																	8																																																																									
	1	2	3	A	4	5	6	B	7	8	9	C	*	0	#	D																																																																																																																																																																																																				
1																																																																																																																																																																																																																				
2																																																																																																																																																																																																																				
3																																																																																																																																																																																																																				
4																																																																																																																																																																																																																				
5																																																																																																																																																																																																																				
6																																																																																																																																																																																																																				
7																																																																																																																																																																																																																				
8																																																																																																																																																																																																																				
4x5		PIN <table><tr><th></th><th>A</th><th>B</th><th>F1</th><th>F2</th><th>→</th><th>9</th><th>6</th><th>3</th><th>#</th><th>←</th><th>8</th><th>5</th><th>2</th><th>*</th><th>Print</th><th>7</th><th>4</th><th>1</th><th>0</th><th>OK</th></tr><tr><th>1</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>3</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>8</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>9</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK	1																					2																					3																					4																					5																					6																					7																					8																					9																				
	A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK																																																																																																																																																																																																
1																																																																																																																																																																																																																				
2																																																																																																																																																																																																																				
3																																																																																																																																																																																																																				
4																																																																																																																																																																																																																				
5																																																																																																																																																																																																																				
6																																																																																																																																																																																																																				
7																																																																																																																																																																																																																				
8																																																																																																																																																																																																																				
9																																																																																																																																																																																																																				
5x4		PIN <table><tr><th></th><th>A</th><th>B</th><th>F1</th><th>F2</th><th>→</th><th>9</th><th>6</th><th>3</th><th>#</th><th>←</th><th>8</th><th>5</th><th>2</th><th>*</th><th>Print</th><th>7</th><th>4</th><th>1</th><th>0</th><th>OK</th></tr><tr><th>1</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>3</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>8</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>9</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK	1																					2																					3																					4																					5																					6																					7																					8																					9																				
	A	B	F1	F2	→	9	6	3	#	←	8	5	2	*	Print	7	4	1	0	OK																																																																																																																																																																																																
1																																																																																																																																																																																																																				
2																																																																																																																																																																																																																				
3																																																																																																																																																																																																																				
4																																																																																																																																																																																																																				
5																																																																																																																																																																																																																				
6																																																																																																																																																																																																																				
7																																																																																																																																																																																																																				
8																																																																																																																																																																																																																				
9																																																																																																																																																																																																																				