Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Piezo Keypad

12 key piezo keypad

16 key piezo keypad

RoHS COMPLIANT

Description

- Piezo keyboard available in version Standard, with Point Illumination, Lettering, varnished in different colours
- Mounting into the housing from the front or the rear
- Pins

Characteristics

- Housing material type: Plastics / front aluminium, version with stainless steel front on request
- With sealing kit as accessory for protection class IP68
- High reliability, long lifetime with more than 20 mill. actuations Easy to clean due to a tightly closed surface (IP 69K)
- Optional point illumination
- vandal proof protection (IK 05 impact resistance rating)

Weblinks

html-datasheet, General Product Information, CE declaration of conformity, RoHS, CHINA-RoHS, CAD-Drawings, Product News, Detailed request for product

Technical Data

Electrical Data

Switching Voltage	max. 50 VDC
Switching Current	max. 200 mA
Contact Resistance ON	< 7.5 Ω
Contact Resistance OFF	> 5 MΩ
Dielectric Strength	2500 V
Duration of Bounce	< 1 ms
Rated Breaking Capacity	600 mW

Mechanical Data

Actuating Force	1 - 3 N
Lifetime	> 20 million actuations
Shock Protection	IK 05 Aluminum, IK 04 Stainless Steel

Climatical Data

Operating Temperature	-25 to +85 °C
Storage Temperature	-40 to +85 °C
IP-Protection	IP 69K

Material

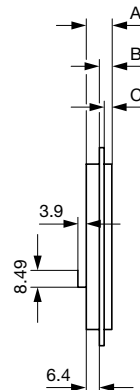|	
Front Panel	Alu. anodised / Stainless Steel
Assembling Plate	Ultradur
Insulating Disc	FR4
PCB	FR4
Piezo Disc	PZT

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in
General Product Information
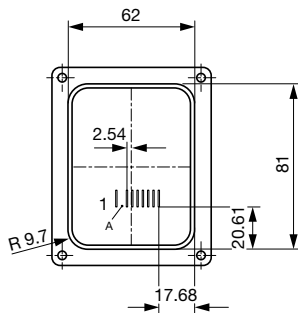
Dimension

12 key piezo keypad
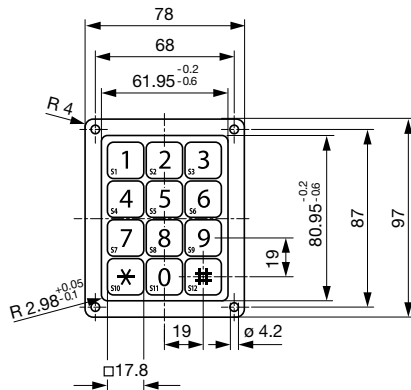
12 key piezo keypad

Partnumber	Material	Measures [mm]		
		A	B	C
1068.1012.1110001	Alu	11,33	4,93	3,13
1068.1012.2110001*	Stainless steel	11,23	4,83	3,03

*) The version with stainless steel frontplate is available on request.

12 key piezo keypad

A = Pin 2 is removed and not contacted

16 key piezo keypad
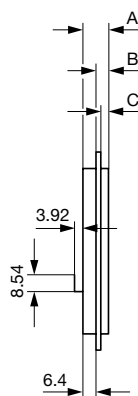
16 key piezo keypad

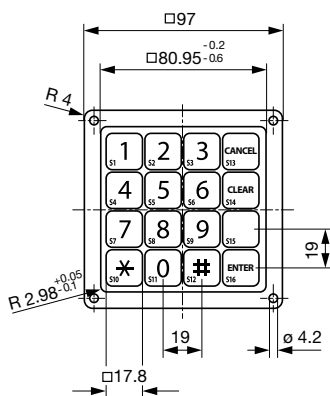| Partnumber	Material	Measures [mm]		
		A	B	C
1068.1016.1110001	Alu	11,33	4,93	3,13
1068.1016.2110001*	Stainless steel	11,23	4,83	3,03

*) The version with stainless steel frontplate is available on request.

16 key piezo keypad

16 key piezo keypad with LED
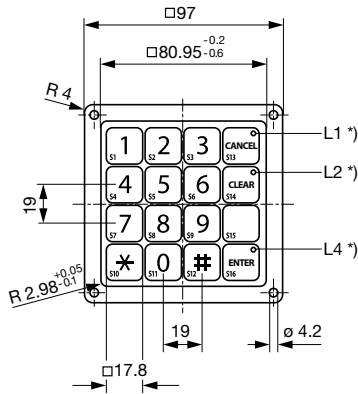
16 key piezo keypad with LED
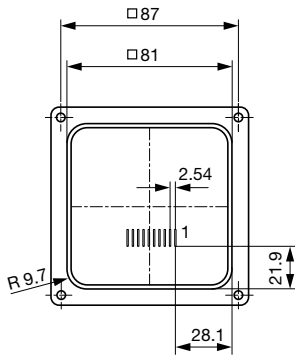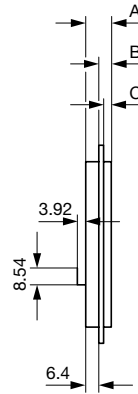

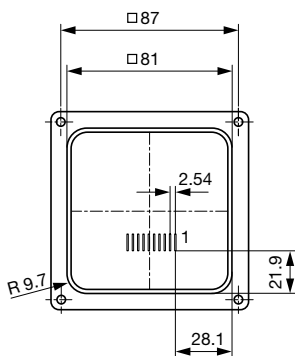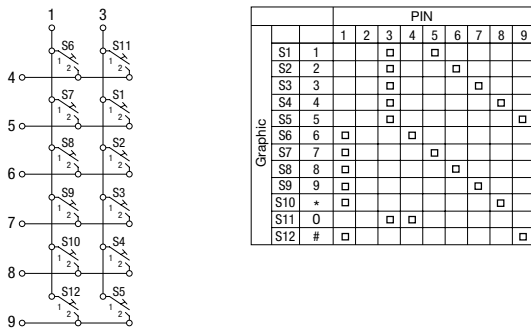| Partnumber	Material	Measures [mm]		
		A	B	C
1068.1013	Alu	11,33	4,93	3,13

*) The point illumination is customized available on request.
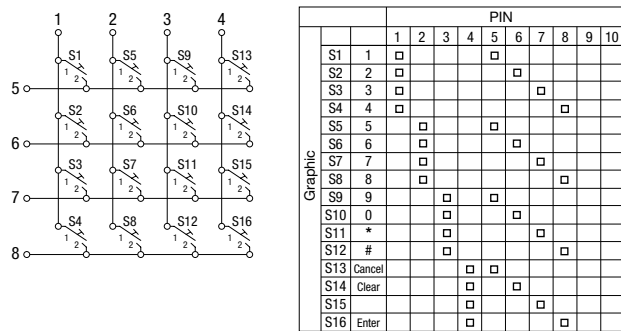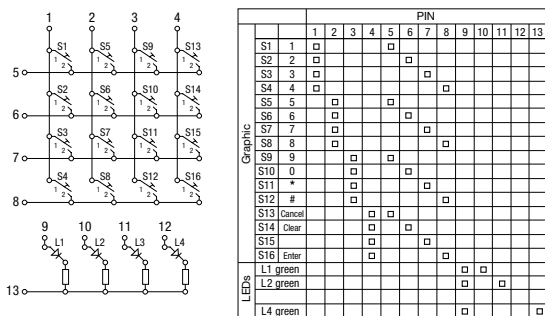
16 key piezo keypad with LED

Diagrams

12 key piezo keypad

		PIN								
		1	2	3	4	5	6	7	8	9
S1	1			□		□				
S2	2			□			□			
S3	3			□				□		
S4	4			□					□	
S5	5			□						□
S6	6	□			□					
S7	7	□				□				
S8	8	□						□		
S9	9	□							□	
S10	*	□								□
S11	0	□		□	□					
S12	#	□								□

16 key piezo keypad

		PIN									
		1	2	3	4	5	6	7	8	9	10
S1	1	□				□					
S2	2	□					□				
S3	3	□						□			
S4	4	□							□		
S5	5		□			□					
S6	6		□				□				
S7	7		□					□			
S8	8		□						□		
S9	9			□		□					
S10	0			□			□				
S11	*			□				□			
S12	#			□					□		
S13	Cancel				□	□					
S14	Clear				□		□				
S15					□			□			
S16	Enter				□				□		

16 key piezo keypad with LED

		PIN												
		1	2	3	4	5	6	7	8	9	10	11	12	13
S1	1	□				□								
S2	2	□					□							
S3	3	□						□						
S4	4	□							□					
S5	5		□			□								
S6	6		□				□							
S7	7		□					□						
S8	8		□						□					
S9	9			□		□								
S10	0			□			□							
S11	*			□				□						
S12	#			□					□					
S13	Cancel				□	□								
S14	Clear				□		□							
S15					□			□						
S16	Enter				□				□					
L1	green									□	□			
L2	green									□		□		
L4	green									□				□

Pin 9 LED Supply common GND + 5 VDC

All Variants

Version	Keypads	Order Number
12 key piezo keypad	front aluminum, multi pin connector, standard lettering	1068.1012.1110001
12 key piezo keypad	front stainless steel, multi pin connector, standard lettering	1068.1012.2110001
16 key piezo keypad	front aluminum, multi pin connector, standard lettering	1068.1016.1110001

Customer-specific versions of lettering on request.

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit   6 Reusable Packaging keypad with protective foil

Accessories

Description

Sealing Kit for Key Pad
Accessory Kit

07.03.2017