imall

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





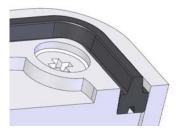
720 GFX-i Series Sealed and Rugged Keypads

These tough, water resistant keypads feature moving, tactile keys with a responsive 'over-centre' action. Keytop graphics can be easily customized by the use of legend tiles under 'snap-on' transparent keycaps. Once snapped into place the tamper resistant keycaps encapsulate and protect the keytop graphics. These keypads have integral white light LED illumination for use in dark or partially lit locations.

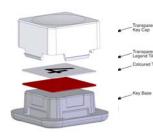


The keypad can be installed on the surface or under the panel.

Fit the supplied silicone seal into the seal groove on the keypad Use the groove on top for underpanel, and on back for surface fix. The wide part of the seal goes into the groove - see picture below of the seal fitted to the back of the keypad.



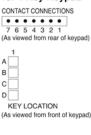
To customise the layout place a colour tile and a legend tile onto the key base, and clip the keycap over the top.



Keytop Assembly

Connection Details





CONTACT MATRIX		
ROW/ COLUMN		
Cathode		
Common		
D		
С		
В		
A		
Anode		

CONTACT

MATRIX

Connection Details for 12 Key Keypad CONTACT CONNECTIONS

(As viewed from rear of keypad) 2

KEY LOCATION

(As viewed from front of keypad)

в

С

D

	CONNEC. PIN	ROW/ COLUMN
1	1	Cathode
	2	A
	3	В
	4	1
	5	2
	6	3
	7	-
	8	D
	9	С
)	10	Anode

Co fo	on r 1						-		
CO	NTA	СТ	СС	NN	IEC	TIC	ONS	3	
•	٠	٠			٠			٠	•
10 (As	9								
(AS	vie	wec	1 110	JIII	rea	ar o	I Kt	syp	au)
_	1	2		3	4				
A		L	IL		L				
B][]			
c			1]			
D			10]			

Connection Details	CONTACT MATRIX		
for 16 Key Keypad CONTACT CONNECTIONS	CONNEC. PIN	ROW/ COLUMN	
••••	1	Cathode	
10 9 8 7 6 5 4 3 2 1	2	A	
(As viewed from rear of keypad)	3	В	
1 2 3 4	4	1	
	5	2	
в	6	3	
сПППП	7	4	
	8	D	
KEY LOCATION	9	С	
(As viewed from front of keypad)	10	Anode	

White Colour Tiles and Set A Legends are included; Set A Legends comprises :-1 2 3 4 5 6 7 8 9 0 + = x ÷ * # . $\leftarrow \uparrow \rightarrow \downarrow$ ac i/o ent ce/e Additional Legends (Tile sets B,C,D,E,F,) & Colours (White, Grey, Red, Green, Blue, Yellow) are available

Electrical

Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Switch Rating Connection Illumination (Pin 1 is 0 V)

Mechanical

Operational Life Keytop Travel Actuation Force Connector Mating Connector

Performance

Operational Temp	-20°C to 60°C
Impact Rating	5 J
Vibration/Shock	ETSI 300 019 5M3
Water / Dust sealed	IP65 (when fixed to suitable panel)

5 ms (max) 100 ohms (max) 50 Mohms (min) 500 V AC (max 60 secs.) 24V DC 50mA (max) X-Y Matrix 5 V DC ± 10 % ,13mA per key

2 million cycles (min) per key

0.1"pitch, gold plated square pin

Molex 2695 Series or equivalent

1.4mm nominal

150 grams nominal

Part Numbers

7207-041W20 7207-121W20 7207-161W20

720GFXi SERIES 4 KEY 720GFXi SERIES 12 KEY 720GFXi SERIES 16 KEY

Accessories 4200-00

4500-10

RS232 Encoder Interface Module 450 USB Encoder Interface Module with Buzzer and Illumination Control Colour & Legend Tiles

& Replacement Seals go to www.storm-interface.com

Dimensions

Overall sizes Panel Cutout DXF Suface Model STEP

Whilst every effort is made to ensure details are correct at time of print, specifications are

subject to change without notice www.storm-interface.com

See following page Download .dxf and .stp files from www.storm-interface.com



FM 39602

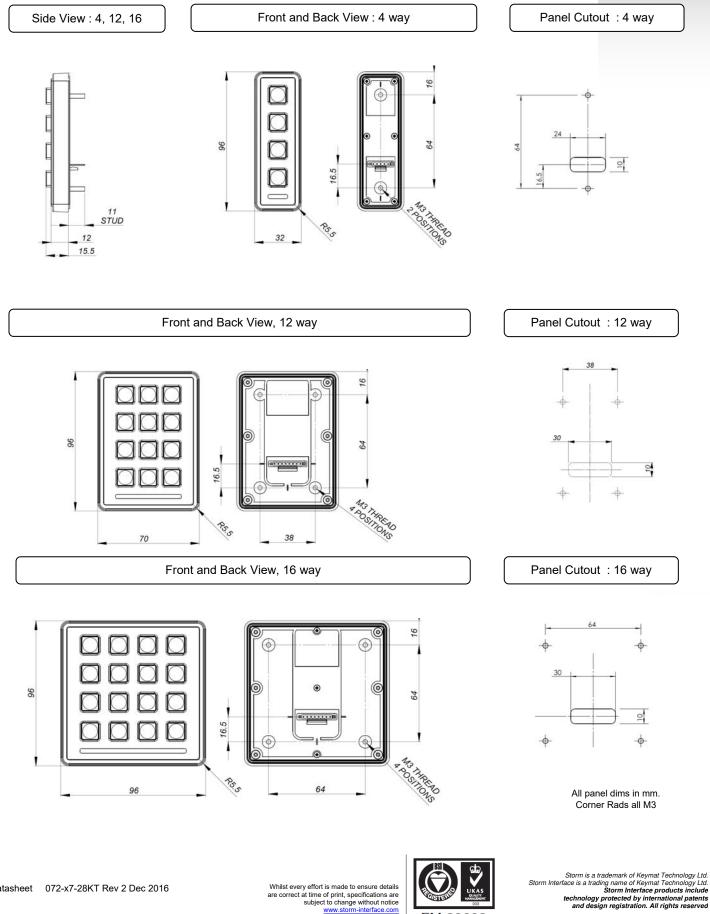


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Install the keypad onto the surface of a panel as follows :-

- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back •
- Recommended tightening torque 50Ncm



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