

# MODEL B661



## DESCRIPTION

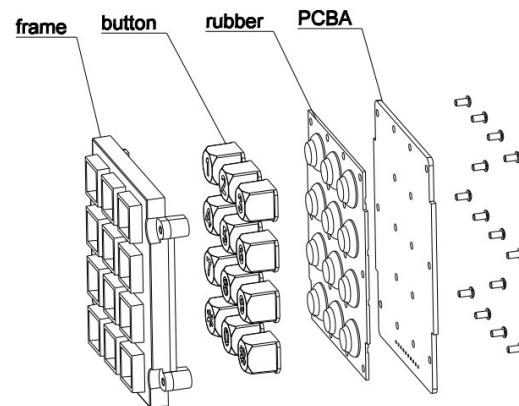
The 12 key Z.series keypads are specially designed for public environment applications, such as vending machines, ticket machines, payment terminals, telephones, access control systems and industrial machinery.

Keys and front panel are built from chrome plated zinc alloy (Zamak) with high resistance to impact and vandalism and is also sealed to IP65.

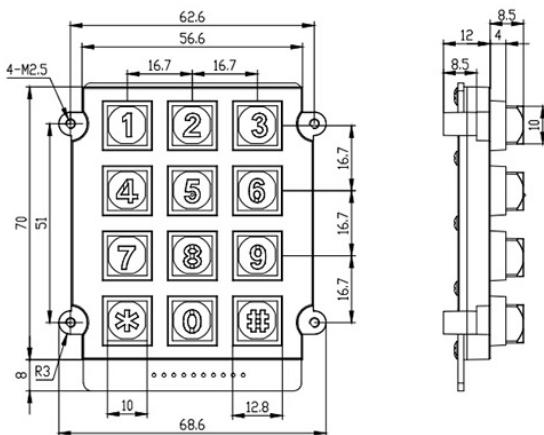
## 1 MAIN COMPONENTS

- Frame and keys are made of RoHS approved zinc alloy material
- Conductive rubber with carbon granules
  - Contact resistance:  $\leq 150\Omega$
  - Elastic force: 200g
- 1.5mm thickness UL approved printed circuit board with golden fingers

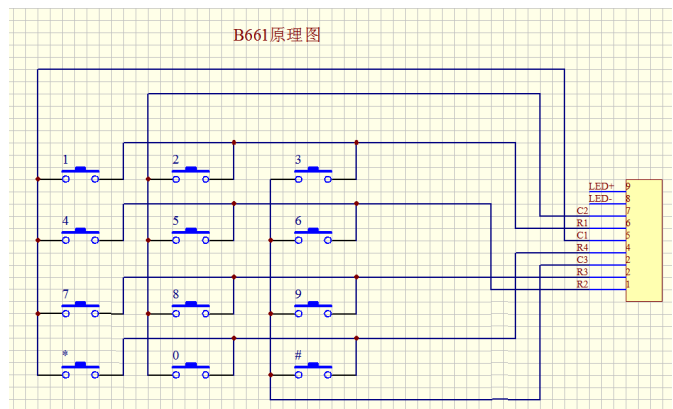
## 2 STRUCTURE DRAWING



## 3 DIMENSION DRAWING



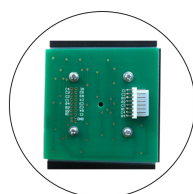
## 4 COMMON CIRCUIT



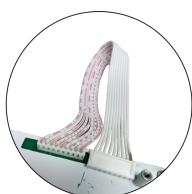
5 SPECIFICATION

|                            |                       |  |
|----------------------------|-----------------------|--|
| Electrical Specification   | Power Supply          | Nominal 3 VDC  |
|                            |                       | Max. voltage 12VDC   |
|                            |                       | Min. voltage 3VDC  |
|                            | Power Supply          | Min. Current 60mA  |
| Mechanical Characteristics |                       | Standard blue color and white, yellow, green and white color are optional. |
|                            | Contact Resistance    | ≤150Ω  |
|                            | Storage Temperature   | -40℃ ... +85℃  |
|                            | Operation Temperature | -25℃ ... +65℃  |
|                            | Protection Grade      | IP65   |
|                            | Shock Resistance      | IK09   |
|                            | Electrical Life       | 1 million cycles of operation per key                                      |
|                            | Key Travel            | 0.45mm   |
|                            | Actuation Force       | 250g/2.45N   |
| Environmental Resistance   |                       | Damp heat 21 days +40℃   |
|                            |                       | Saline mist 96 Hours   |
|                            |                       | Dry heat 10 days +85℃  |

6 CONNECTOR



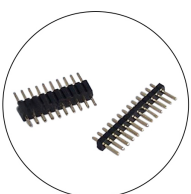
Plug Connector



SCN plug+cable



XH plug+cable



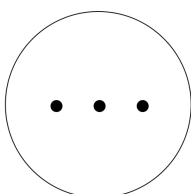
Pins header



DB9 Connector



USB



More

7 APPLICATION

