

# ***Pokini***

**Active  
Capacitive Pen**



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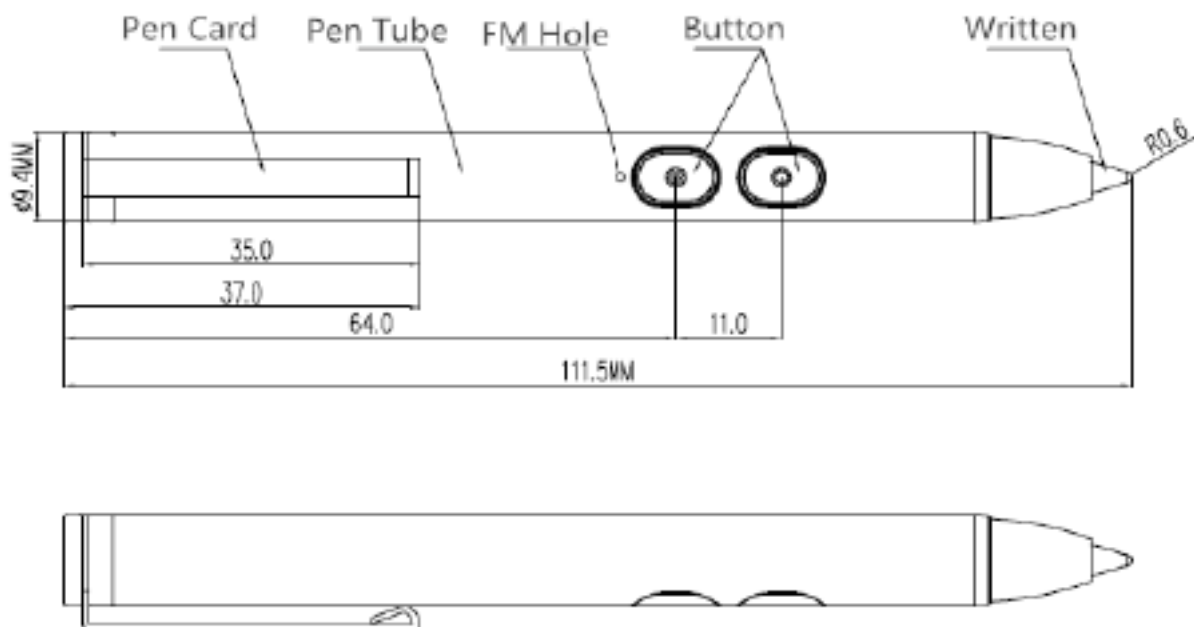
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## Applicable scope

This specification applies to active capacitive pen DAS-BB01-018 products.

## Product appearance structure

1. Product Size: This product is cylindrical The product diameter: 9.4mm.
2. The main components of the product: Refills, Written, Pen tube, Pen tail cover, Pen card, PCB and Battery.
3. Product picture: black; To prevail in kind



## Applicable scope

<b>Rated voltage</b>	1.5V (AAAA Dry batteries)	<b>Power supply</b>	AAAA Dry batteries
<b>Rated working power consumption (1.5V)</b>	<720uA	<b>Charging function</b>	None (dry battery for one time)
<b>Full power writing time</b>	250H	<b>Battery capacity</b>	500mAh
<b>Weight (without battery)</b>	16g (±1g)	<b>Pressure return</b>	256 level
<b>Tip diameter</b>	1.2mm(±0.1mm)	<b>Minimum handwriting weight</b>	20g
<b>Writing accuracy</b>	≤2mm	<b>Report rate</b>	100HZ
<b>Writing angle</b>	30°C	<b>Operating frequency (initial)</b>	400kHz
<b>Palm restraint</b>	Yes	<b>Rated standby power consumption (1.5V)</b>	<60uA
<b>Key function</b>	Customized		

## Product function

This product has a tablet in the capacitive touch screen, smart phone ( Goodix driver IC) to replace the fingers, complete the finger on the screen of any operation, can write any text or pattern; with a small smart, reflecting the sensitive, easy to writ and other characteristics.

## Key function definition and operating frequency

### 1. Key function definition

In the win8 system, the key 1, 2 is fixed for the box selection function and eraser function; in the Andrews system, the touch screen driver inside the key to report the two key values BTN\_STYLUS and BTN\_STYLUS2, the programmer in the upper system can receive The two keys of the key to set different functions, such as calling an APP, to achieve the Back key function.

### 2. Pen operating frequency

The operating frequency of the capacitive pen needs to be the same as the frequency set on the touch screen IC. If the frequency of the touch screen IC is set to 500K, the operating frequency of the capacitor pen should be kept at 500K. Otherwise, it will cause "no water". Small needle point about the "FM hole" (position see product appearance drawing) to the water can be. There are three operating frequencies: 400KHZ, 500KHZ, 666KHZ, when debugging the touch screen according to the three frequency signal interference is good or bad to select the appropriate operating frequency.

## Product features

### 1. Working environment

In the high temperature 45 ° C, relative humidity of 90% of the environment, to be able to write the normal; in the low temperature -20°C environment to be able to use the normal writing.

### 2. Full power continuous writing time

With a new battery, in the full state of the state to be able to write 250 hours, during which there is no display and break the phenomenon.

### 3. Product coating protection

- 3.1 Salt spray test product shell (pen tube, written, pen tail cover) resistant to neutral salt spray (NSS) test 72 hours or more, check the test product can not appear corrosion point or coating blistering, shedding. Test conditions: 5% concentration of saline solution, PH value of 6.8 to 7.2, the laboratory temperature of 35°C, saturated bucket temperature of 4°C continuous spray 72H.
- 3.2 Coating adhesion test in the pen tube or pen tail cover the surface of the coating with a hundred lattice 1m square meters of small squares, the number of small square to be measured product area, scratched depth to draw through the coating until see the substrate. Use 3M 600 adhesive tape affixed to a small box, with your fingers belly squeeze the adhesive tape to remove the bubble, and then was 45 degrees angle quickly pull the adhesive tape, 3 consecutive times; the test position of small square on the coating can not fall off.

### 4. Drop test

Drop the capacitive pen (loaded into the battery) from 0.8m height to ordinary cement floor or marble floor 3 times. Capacitive pen can not be disintegrated, written, pen cap, button can not be loose, off; pen tip can not be broken, the capacitor pen to be able to write the normal. (Note that the pen tip can not be directly down to the ground.)

### 5. Button Durability

Continuous press the capacitor pen on the body of the 2PCS button 20000 times, the button can not be broken, off, the button elastic normal, to be able to rebound after pressing.

### 6. The number of clicks

Working environment: room temperature, test equipment: Tablet PC, touch screen contact surface for the tempered glass, test methods: manpower with 40-50g effort to do the click test, click frequency 3 seconds once, click 100000 times, the cartridge can not be stuck, , No response, click and write to work properly.

## 7. Product certificate

### 1. ESD Test Data

#### 4.3 Electrostatic Discharge Immunity Test Data

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Button 1	A	A	A	A	A	A	A	A	A	A
Button 2	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-10	+10
Surface	A	A	A	A	A	A	A	A	A	A

### 2. Certificates



RoHS