



Analog Joystick Breakout Board BB-PSJ



User's Manual

V1.0

July 2011

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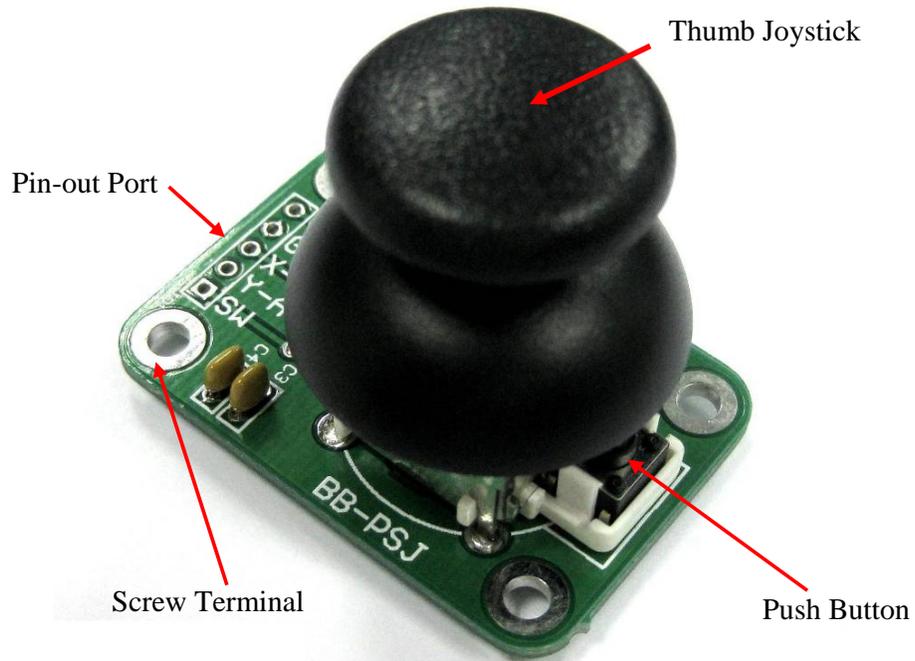
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1. INTRODUCTION

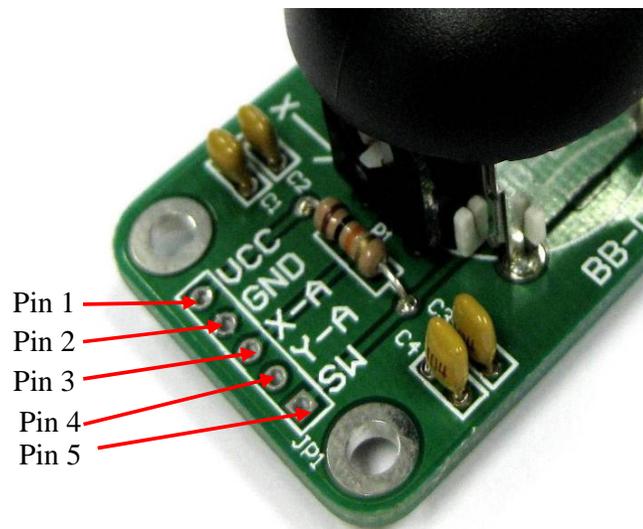
Thumb joystick is a popular hardware which are usually used in the PS2 controller which contain of 2 potential-meter which can control in 2 axis and also a digital switch for each thumb joystick. Unfortunately that the thumb joystick are not designed to fit in the breadboard. To ease user, Cytron has created a BB-PSJ (Analog Joystick Breakout Board) which is designed to allow user to easily connect the thumb joystick to the breakout board and the output pin of the breakout board can connected to breadboard.

2. BOARD OR PRODUCT LAYOUT

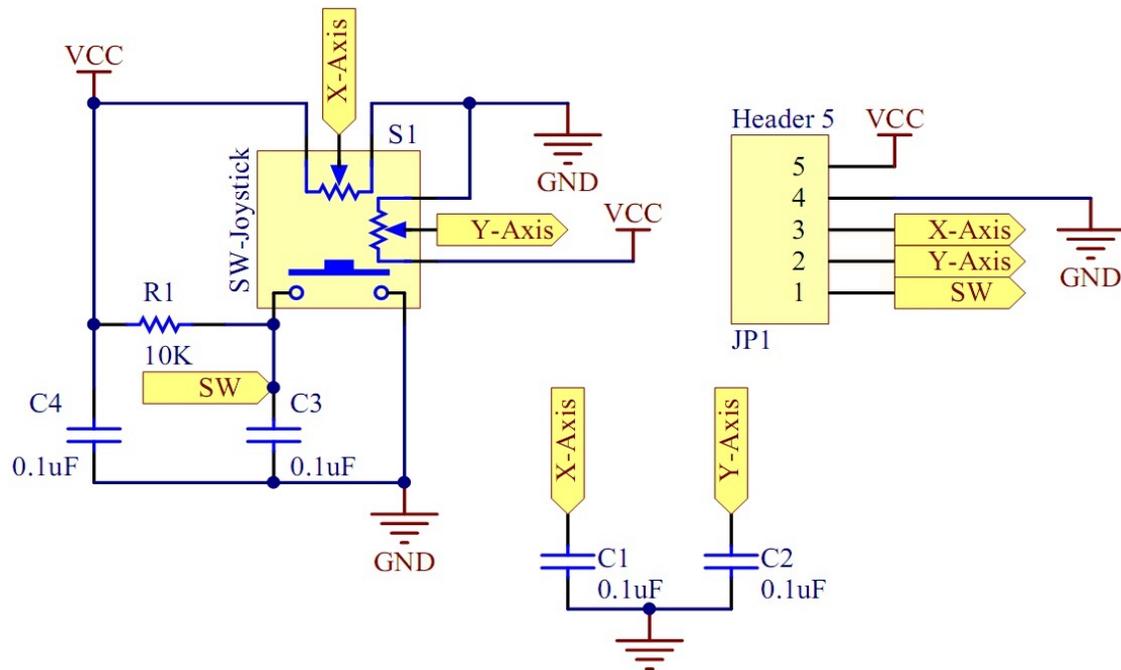


Cytron's BB-PSJ Pin-out

Pin	Description
1	Voltage supply (+5V)
2	Ground
3	X-Axis
4	Y-Axis
5	Switch, pull-up to VCC, switch press become low



Schematic Layout



3. HARDWARE INSTALLATION

This section will show the setup to use BB-PSJ to SK40C.

Before get started, 1x5 header pin needed to solder on JP1. Figure below is steps to solder header pin. This header pin is not include in packing list. Users need to buy it separately.

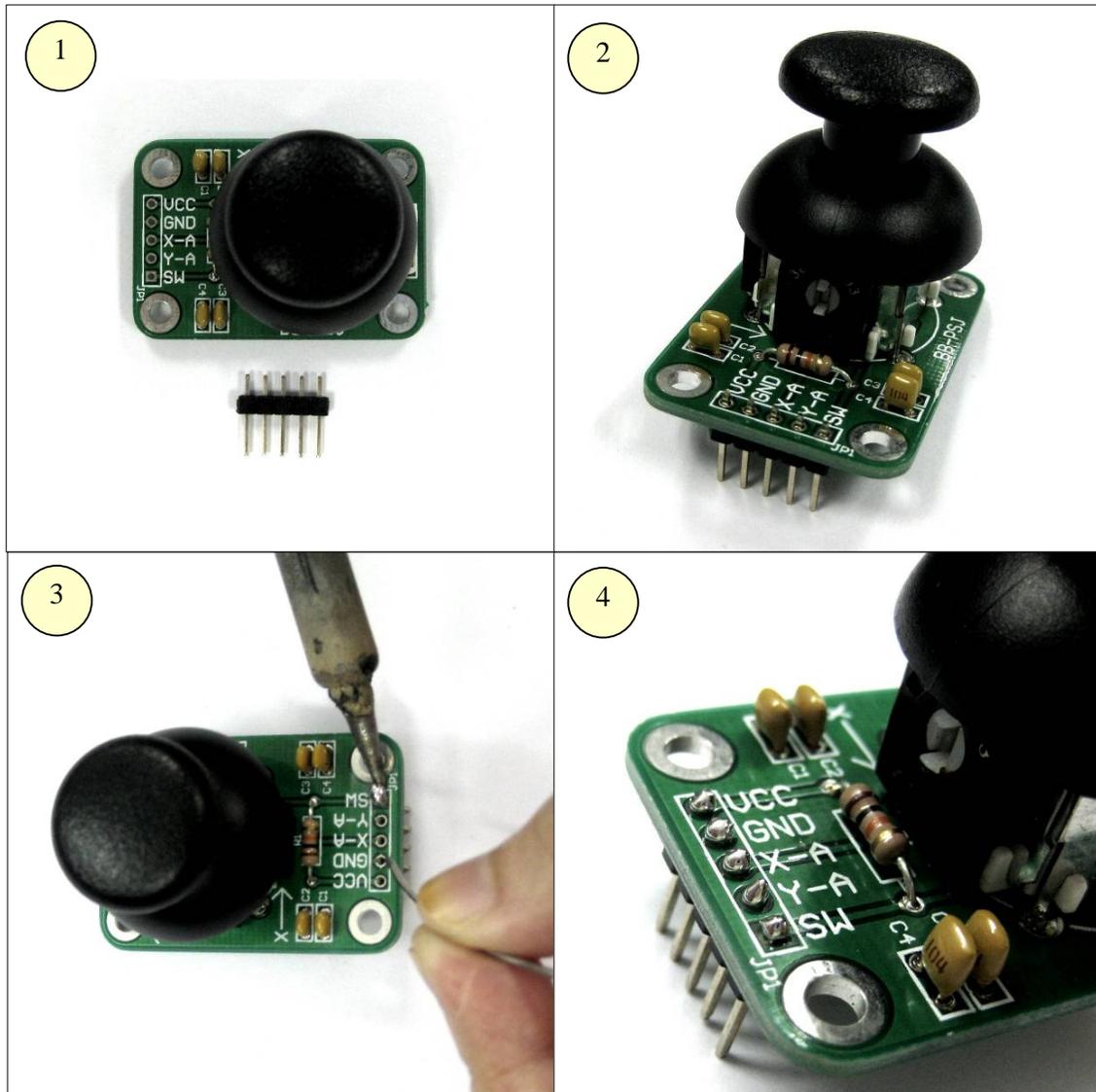
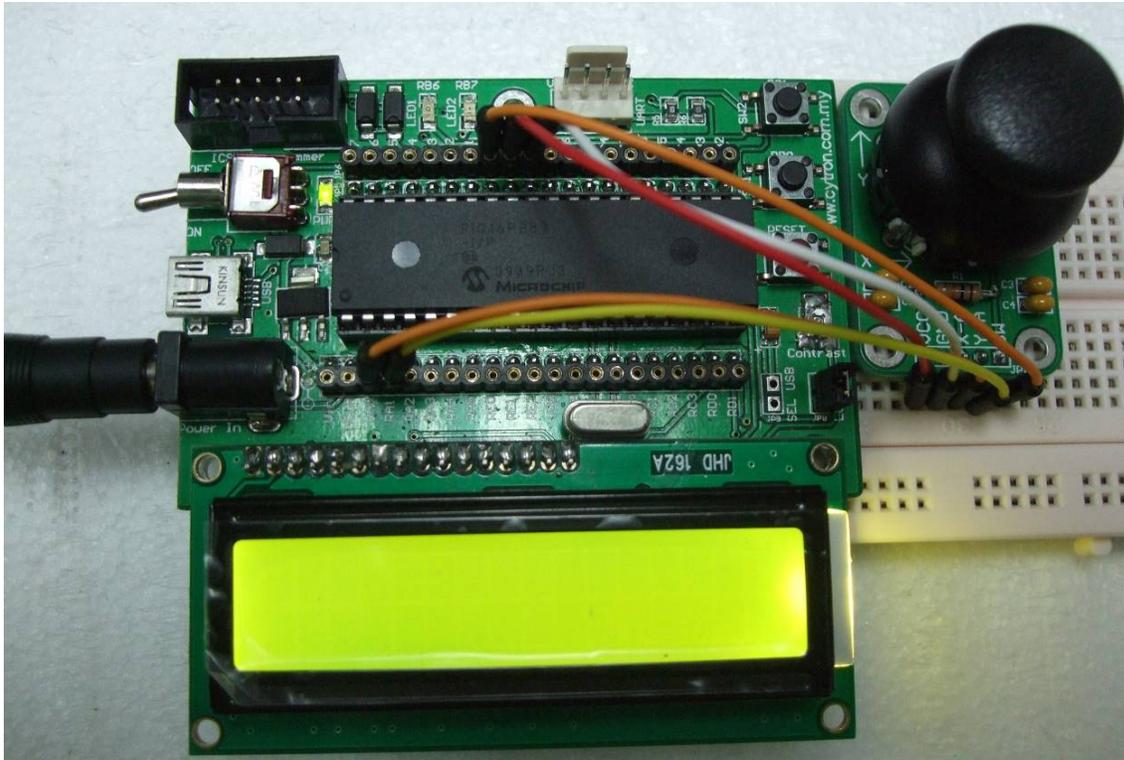


Figure below shows that the BB-PSJ which is connected to breadboard and connect to SK40C using wire jumper. The RED wire are connected between BB-PSJ VCC(+5V) from SK40C VDD. WHITE wire are connect to ground GND. YELLOW & ORANGE wire for X-axis and Y-axis of potential-meter are connected to analog pin of microcontroller. The last pin are switch which are connected digital pin of microcontroller.



4. WARRANTY

- Product warranty is valid for 6 months.
- Warranty only applies to manufacturing defect.
- Damage caused by mis-use is not covered under warranty.
- Warranty does not cover freight cost for both ways.

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