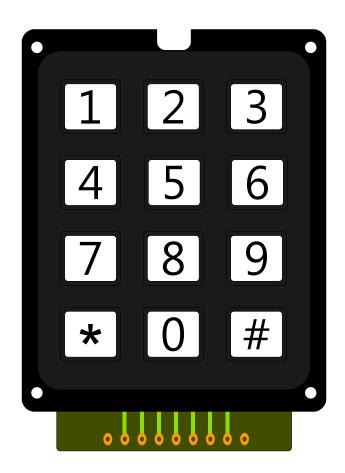
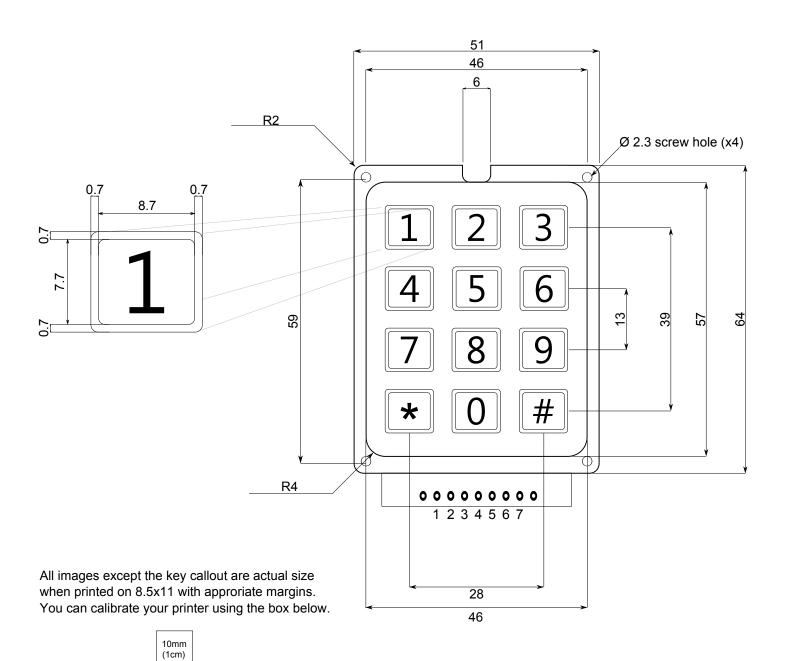
COM-08653



DISCLAIMER:

This document is the result of an obscene amount of work and research because I really wanted to make a nice wood case / bezel using Ponoko for a project I'm working on. Literally everything in this document might be wrong and if you waste money or injure somebody based on this document, it's your own look out. If you can and want to correct any of the information here, contact andrew@amorrow.com.

Mechanical



Electrical

PushButtons: Columns + Rows

This is the same information in several different ways. I've gotten requests to visualize it differently, so why fight it?

1:3+2

2: 1+2

3: 5+2

4: 3+7

5: 1+7

6: 5+7

7: 3+6

8: 1+6

9: 5+6

*: 3+4

0: 1+4

#: 5+4

1 = 3 & 2

2 = 1 & 2

3 = 5 & 2

|4| = 3 & 7

<u>5</u> = 1 & 7

6 = 5 & 7

7 = 3 & 6

8 = 1 & 6

9 = 5 & 6

* = 3 & 4

0 = 1 & 4

= 5 & 4

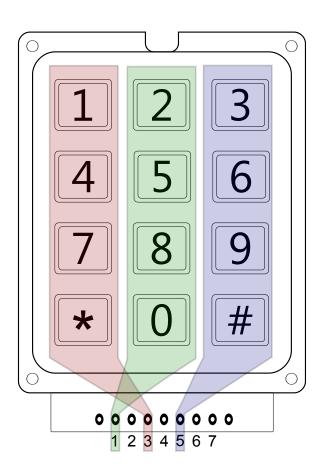
Keypad Columns: 3,1,5 Keypad Rows: 2,7,6,4

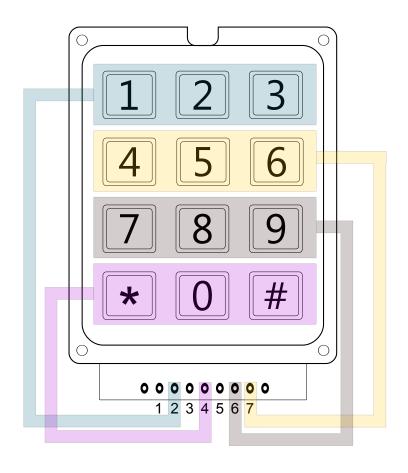
3 1 5 2 **1 2 3**

7 4 5 6

6 7 8 9

***** 0 #





Arduino information

Thanks to Jim Winburn for additional Arduino related info, and for changing the groupings on the pin layouts. MUCH more clear now!

```
Keypad Pin 3 Arduino digital 2
Keypad Pin 1 Arduino digital 3
Keypad Pin 5 Arduino digital 4

Keypad Pin 2 Arduino digital 5
Keypad Pin 7 Arduino digital 6
Keypad Pin 6 Arduino digital 7
Keypad Pin 4 Arduino digital 8
```

Notice the rowPins and colPins below in the sample code example:

// example from Arduino playground: http://www.arduino.cc/playground/Code/Keypad

Sources

2-24-2011

http://www.sparkfun.com/products/8653

http://www.tenrod.com.au/pdf/accord/keypads.pdf

http://www.accordia.com.tw/html/tel/index.htm (AK-304-BBW)

http://www.accordia.com.tw/html/tel/imagepages/imagepg11.htm

http://www.idpcorp.net/product_expertise/silicone_keypads/stock_keypads/technical_information.html

Changes

2-24-2011

5-5-2011

- changed part # to Sparkfun COM-08653
- added link to tutorial

6-27-2011

- changed grouping on column/row pins for clarity Thanks Jim
- Added source for Arduino with new grouping
- Added new visualization for pin mapping
- Split document into multiple pages