

Touch Detection Test Process

1. Touch every key on the keyboard
 - a. Observe the output through the serial port
 - b. Determine if the correct pin number is outputted
 - c. Determine if an incorrect pin number is outputted
 - i. These are considered false positives
 - d. Determine if no pin number is outputted
2. Hold your finger approximately a centimeter from each key on the keyboard
 - a. Observe the output through the serial port
 - b. Determine if a pin number is outputted
 - i. These are considered false positives
 - c. Determine if no pin number is outputted
3. To determine the accuracy
 - a. Note the number of times the correct pin number was outputted after a touch
 - b. Note the number of times no pin number was outputted when a finger was held close to a key.
 - c. Sum the number of times after a touch the incorrect pin number or no pin number at all was outputted.
 - d. Sum the number of times after a finger was held close to a key that a pin number was outputted
 - e. Find the sum of a and b
 - f. Find the sum of c and d
 - g. The accuracy is the value of e divided by the value of f