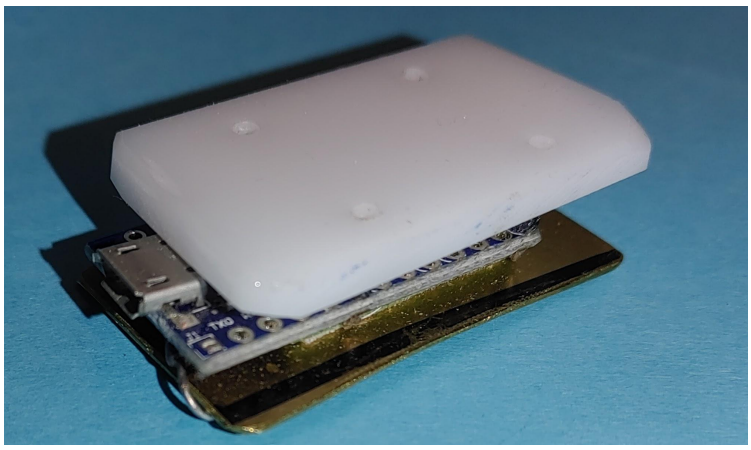
USB Keyboard Phrase Typist



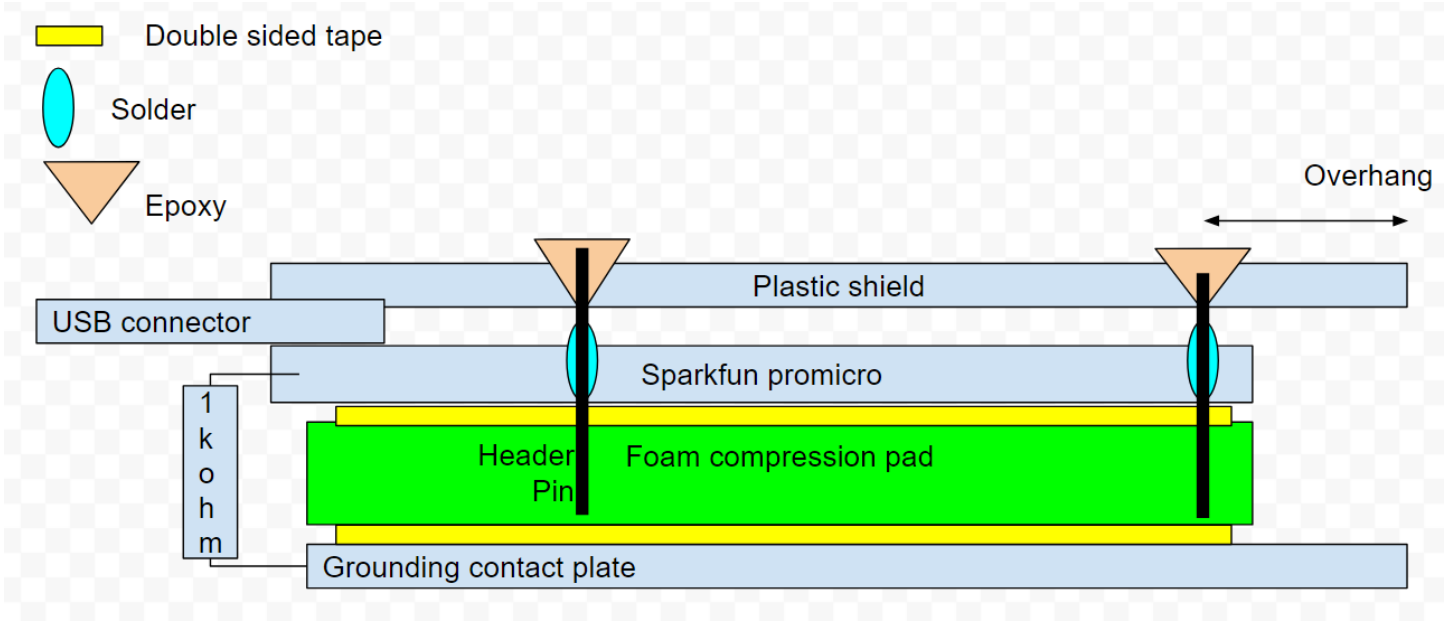
Problem: A computer login needs to be typed without yet being logged into a password manager.

Solution: Click a USB connected phrase typist, aka Rubber Ducky. See also

Atmega32u4 has usb interface in processor
5 volt versions and 3.3 volt versions

Above: Phrase Typist

Below: Side view of layers, header pins, solder and epoxy glue.



```
/* USB KEY Keyboard phrase typist
 *  George for VicPiMakers
*/
#include "Keyboard.h"
const char phrase1[] = "gtbowdeng@gmail.com";        //binary 0001
const char phrase2[] = "test of 2nd pin";            //binary 0010 or dec 2
const char phrase3[] = "test of 1st and 2nd pins";   //binary 0011 or dec 3
const char phrase4[] = "*ToHz*^gEfQBI9!rd6pj^#1kjCitE:"; //binary 0100 or dec 4
const char phrase12[] = "test of 3rd and 4th pins";  //binary 1100 or dec 12
const int pincount=4;                   //there are 4 pins + 3 easy pin combos
const int presspins[4] = {2,9,10,21};   //2,9,10,21 GPIO pins used
int RXLED = 17;                          // The RX LED has a defined Arduino pin
int pressed = 0;                        // sum of all pressed pins

void setup(){
  for(int x=0; x<pincount; x++){
    pinMode(presspins[x],INPUT_PULLUP);
  }
  pinMode(RXLED, OUTPUT);  // Set RX LED as an output
  Keyboard.begin();
  delay(2000);
}

void loop(){
  if(readPressed()){
    delay(200); //keybounce can be 100 if no combos are used
    if(readPressed()>0){
      pressed=readPressed();
      digitalWrite(RXLED, LOW);// set the RX LED ON
      delay(100);
      digitalWrite(RXLED, HIGH);
      if(pressed==1) {Keyboard.println(phrase1);}
      if(pressed==2) {Keyboard.println(phrase2);}
      if(pressed==3) {Keyboard.println(phrase3);}
      if(pressed==4) {Keyboard.println(phrase4);}
      if(pressed==12){Keyboard.println(phrase12);}
      //Serial.println(pressed);  // Print pressed as integer
      delay(2000); // two seconds to let go
      pressed=0;
    }
  }
}

int readPressed(){
```

```
  int nowPressed = 0;
  for(int x=0; x<pincount; x++){
    if (!digitalRead(presspins[x])) {bitSet(nowPressed,x);}
  }
  return nowPressed;
}
```