

```
int n,i;
void setup()
{
  Serial.begin(115200);
  pinMode(13,OUTPUT);
}

void loop()
{
  int AN0 = analogRead(A0);
  float V = AN0*5.0/1023;
  Serial.print(V);
  Serial.print(",");
  Serial.println(AN0);

  for(n=0;n<AN0/10;n++)
  {
    digitalWrite(13,1);
    delayMicroseconds(100);
  }

  for(n=102;n>AN0/10;n--)
  {
```

```
digitalWrite(13, 0);  
delayMicroseconds(100);  
}
```

```
}
```