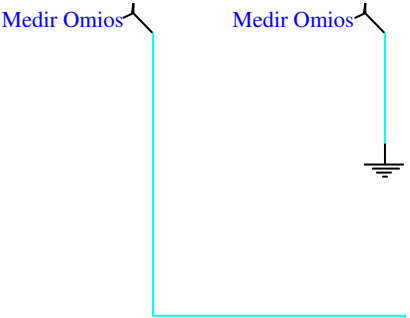
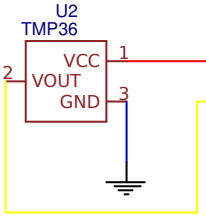


Here testing (Ω , shortcut)



Switch(interruptor)

Sensor de temperatura (Temperature sensor)



For better accuracy set the exact value of resistance and volt reference inside arduino code. For example you have a resistance of $R6=100k$ but real value of this resistance may be $98.7k$ or $101.5k$. The volt reference it's the same method if you want more accuracy you have to test with a voltmeter Arduino pin "3.3v" and "5v" than set the exact value of this pins inside arduino code. So for more accuracy you need set in arduino code the exact values of resistance and volt reference pines "3.3v" and "5v"

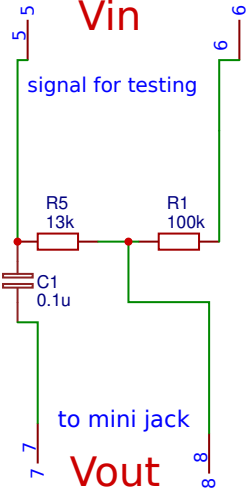
Schematic for Oscilloscope

Vout must never be higher 3.7v

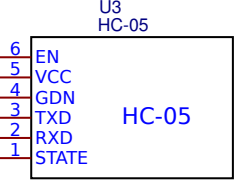
$$Vout = (R5/(R6+R5))*Vin$$

Warning!
In this case:

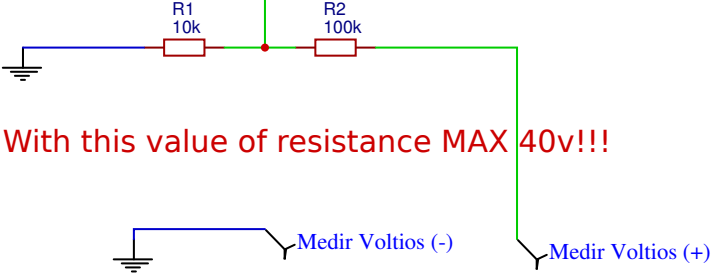
Vin 30v MAX!!!
Vout MAX 3.7v !!!



Bluetooth module (HC-05 9600 bitRate)



With this value of resistance MAX 40v!!!



Here testing (Volts)

TITLE: Arduino Multimetr/Oscilloscope		REV: 1.0
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EasyEDA V4.11.9	Drawn By: N.E.C.O	