Project 11: pcf8591 reading analog signal

Pic. 1

```
  GNU nano 2.2.6                    File: bright.c

int value ;

// Enable the on-goard GPIO

  wiringPiSetup () ;

// Add in the pcf8591 on the q2w board

  pcf8591Setup (Q2W_ABASE, 0x48) ;

  printf ("Raspberry Pi - Quick2Wire Analog Test\n") ;

// Setup the LED

  pinMode   (LED, PWM_OUTPUT) ;
  pwmWrite (LED, 0) ;

  for (;;)
  {
    value = analogRead  (Q2W_ABASE + 0) ;
    pwmWrite (LED, value * 4) ;
    printf("value=%d\n",value);
    delay (100) ;
  }

  return 0 ;
}
```
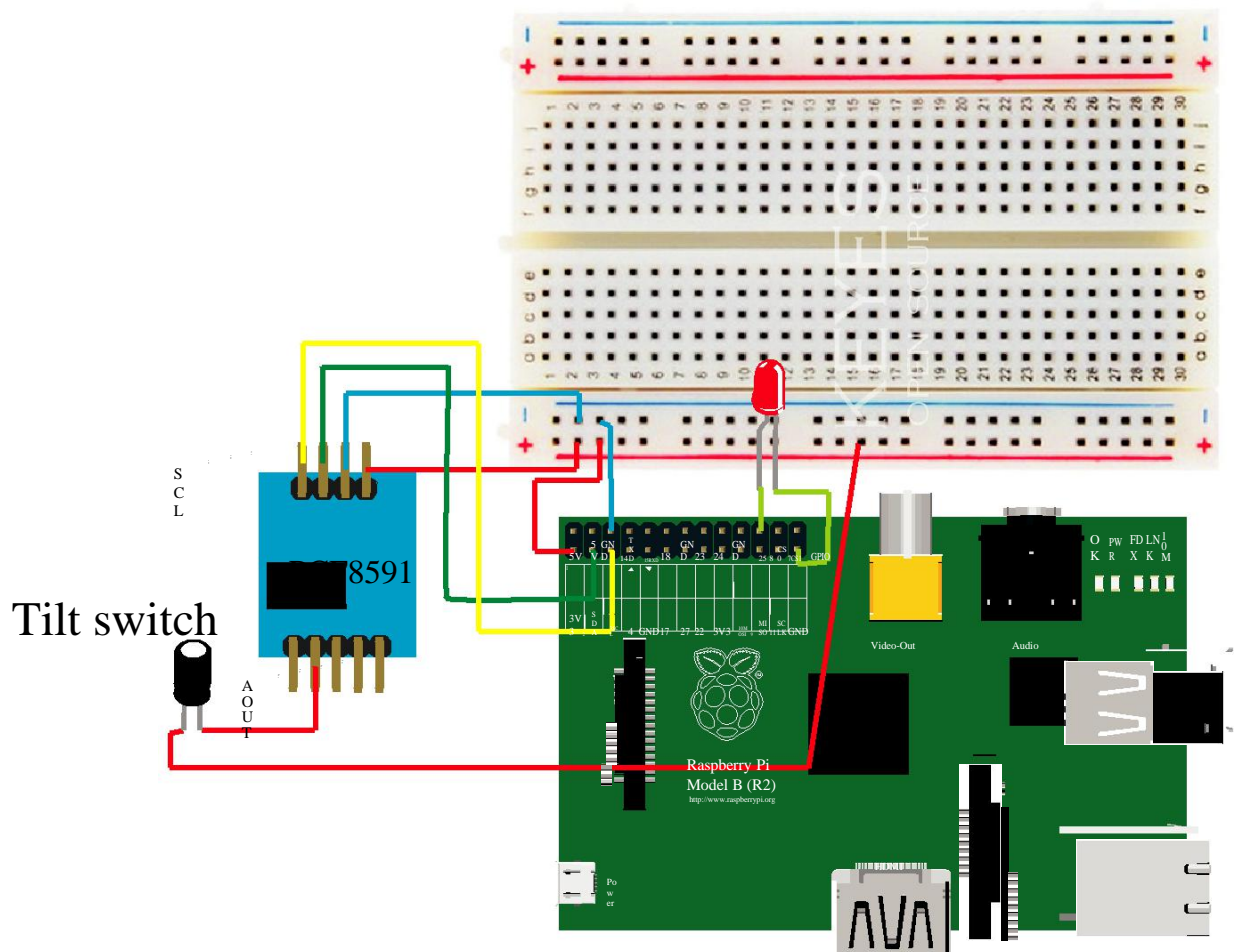
```
^G Get Help     ^O WriteOut     ^R Read File    ^Y Prev Page    ^K Cut Text     ^C Cur Pos
^X Exit         ^J Justify      ^W Where Is     ^V Next Page    ^U UnCut Text   ^T To Spell
```

Pic. 2

Pic. 3