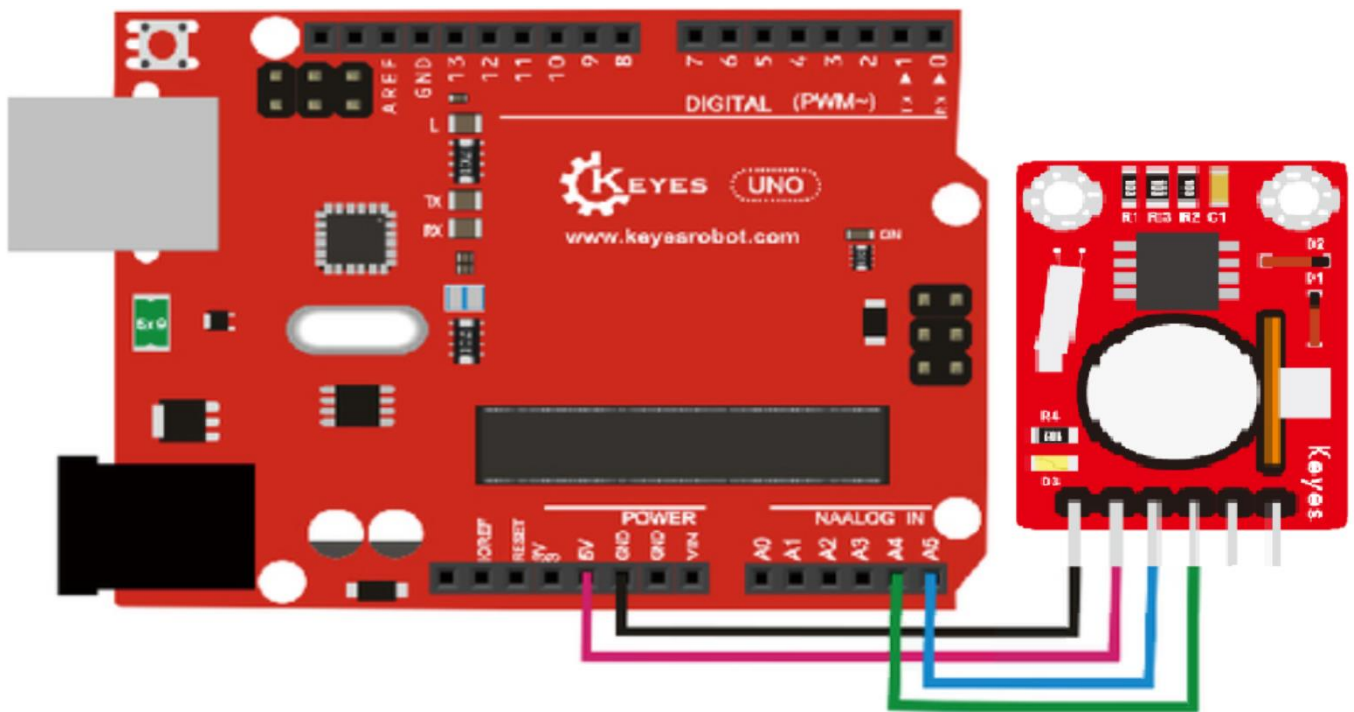
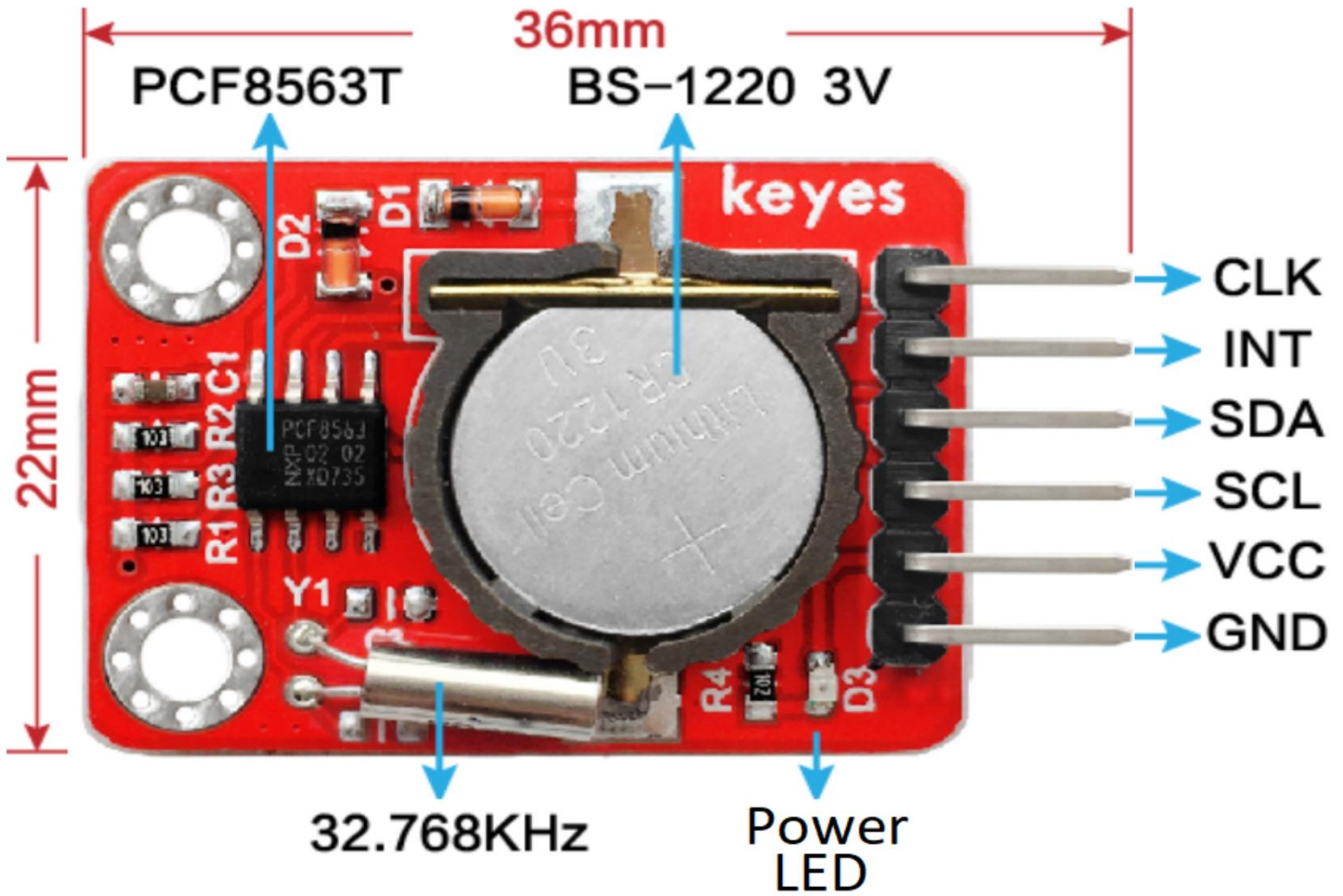


KE0108 KEYES PCF8563 calendar real-time clock module



Set Date & Time:

Library PCF8563:

https://github.com/elpaso/Rtc_Pcf8563

```
#include <Wire.h>
#include <Rtc_Pcf8563.h>
//init the real time clock
Rtc_Pcf8563 rtc;
void setup()
{
  //clear out the registers
  rtc.initClock();
  //set a time to start with.
  //day, weekday, month, century(1=1900, 0=2000), year(0-99)
  rtc.setDate(14, 6, 3, 0, 20);
  //hr, min, sec
  rtc.setTime(1, 15, 0);
  Serial.begin(9600);
}
void loop()
{
  //both format functions call the internal getTime() so that the
  //formatted strings are at the current time/date.
  Serial.print(rtc.formatTime());
  Serial.print("\r\n");
  Serial.print(rtc.formatDate());
  Serial.print("\r\n");
  delay(1000);
}
```

CODE:

```
//Set the clock to a time then loop over reading time and
//output the time and date to the serial console.
#include <Wire.h>
#include <Rtc_Pcf8563.h>
//init the real time clock
Rtc_Pcf8563 rtc;
void setup()
{
  //clear out the registers
  rtc.initClock();
  //set a time to start with.
  //day, weekday, month, century(1=1900, 0=2000), year(0-99)
  rtc.setDate(14, 6, 3, 1, 10);
  //hr, min, sec
  rtc.setTime(1, 15, 0);
  Serial.begin(9600);
}
void loop()
{
  //both format functions call the internal getTime() so that the
  //formatted strings are at the current time/date.
  Serial.print(rtc.formatTime());
  Serial.print("\r\n");
  Serial.print(rtc.formatDate());
  Serial.print("\r\n");
  delay(1000);
}
```