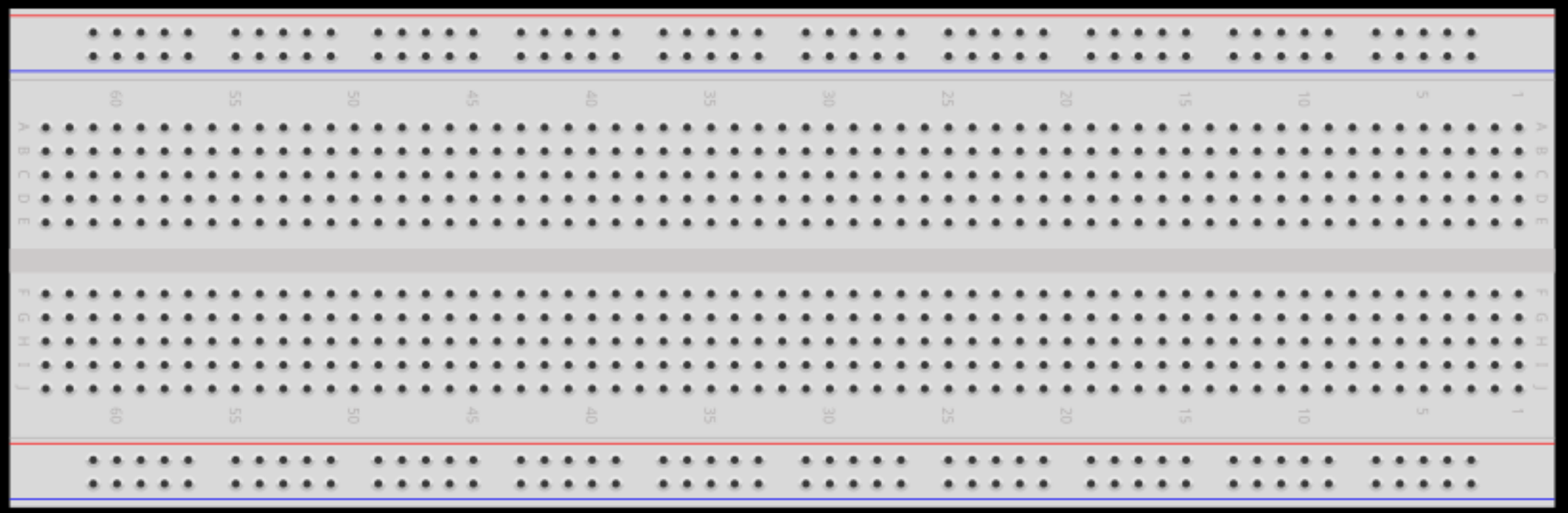
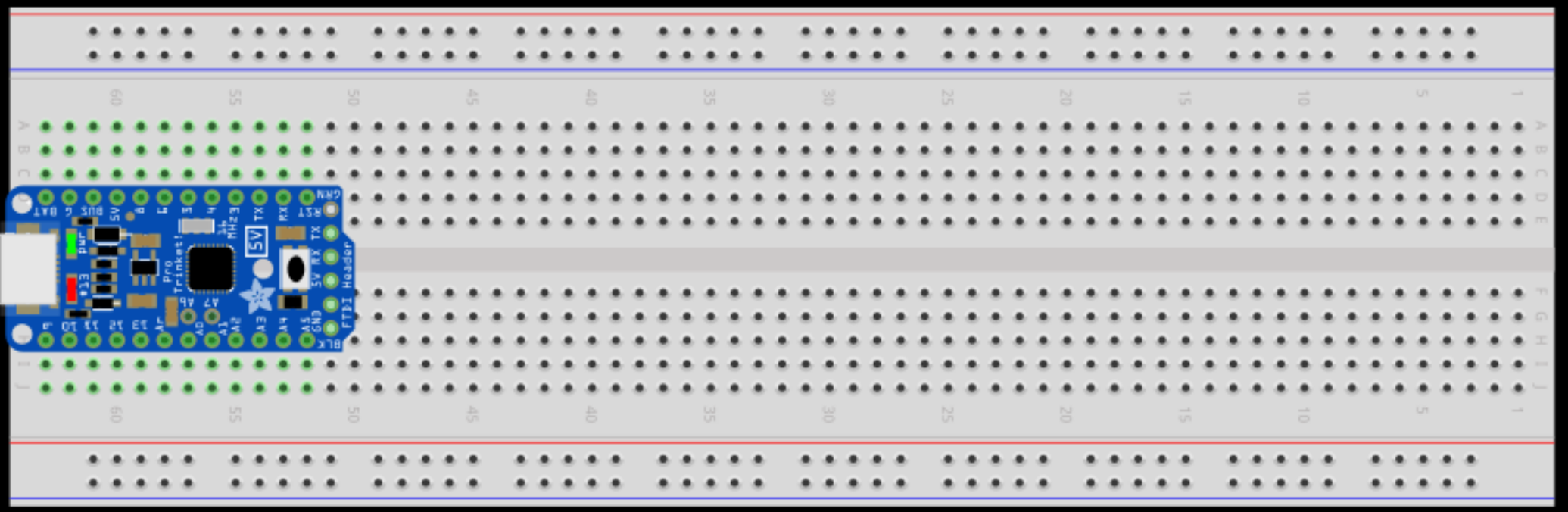
VI BYGGER EN KLOCKA

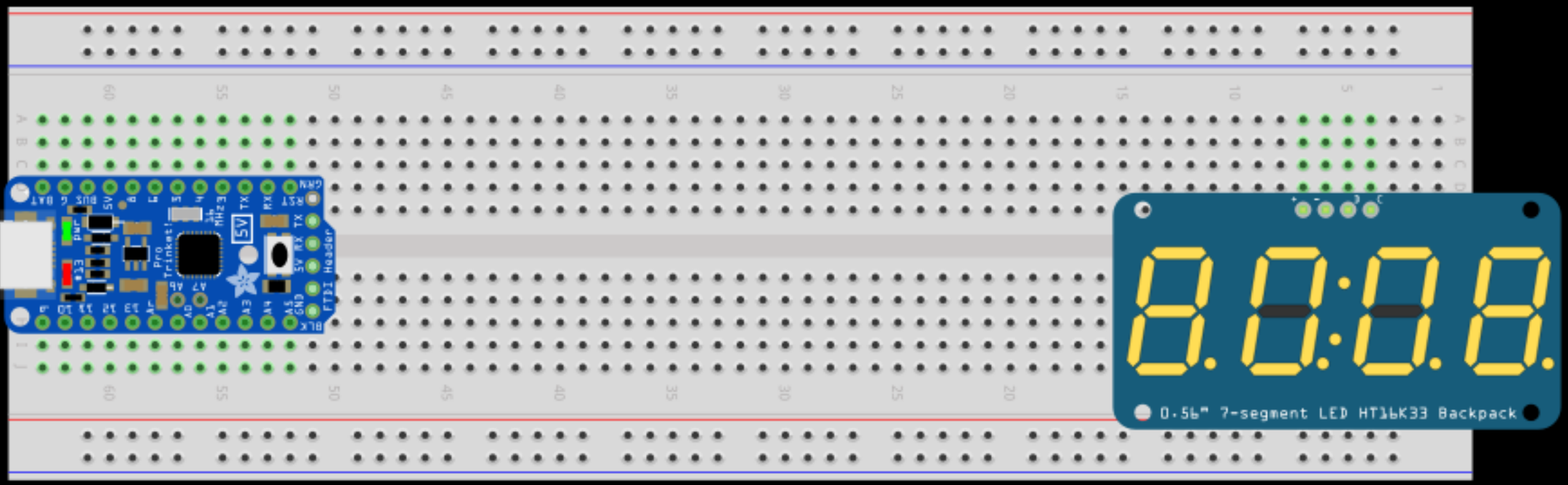
Breadboard/kopplingsdäck



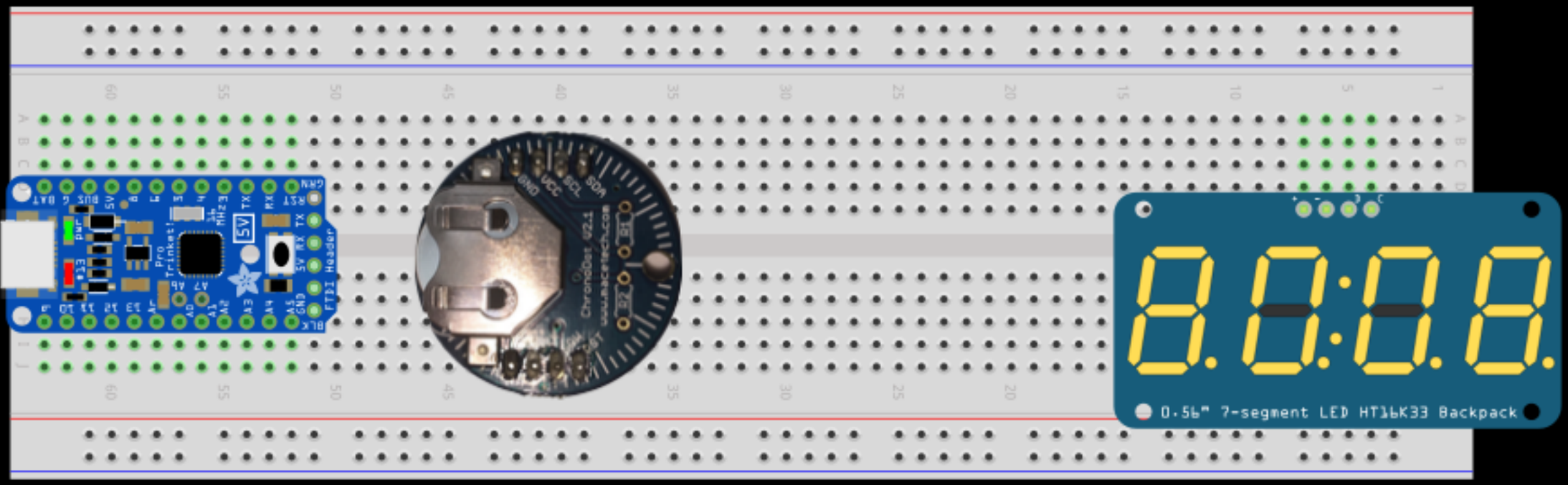
Arduino



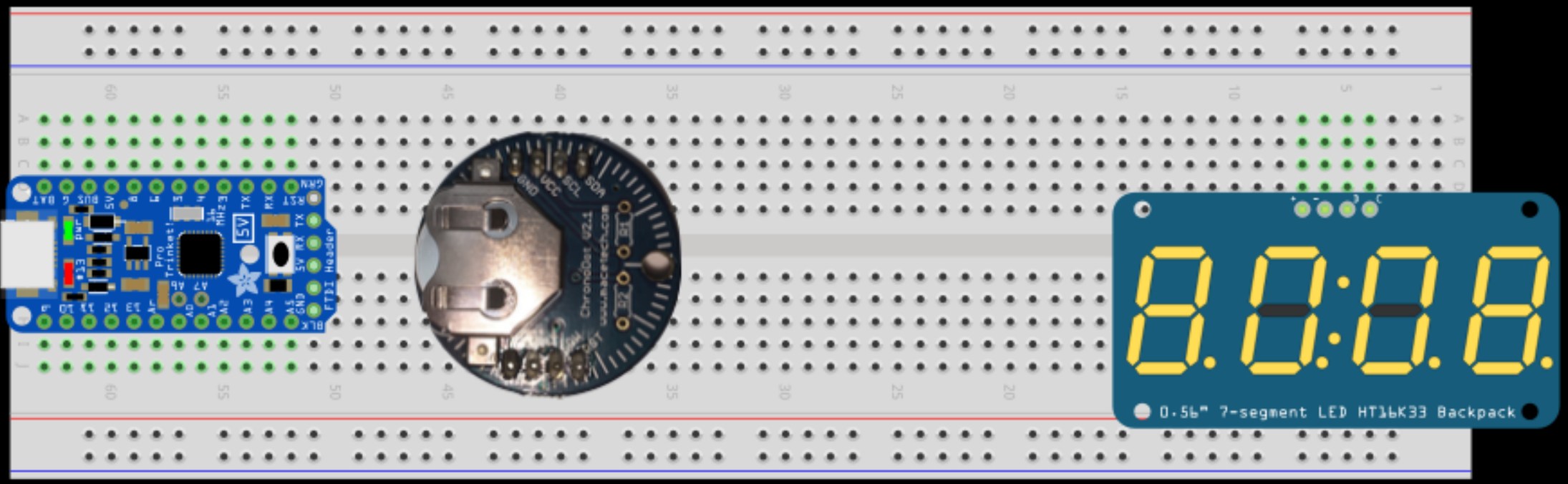
LED-Display

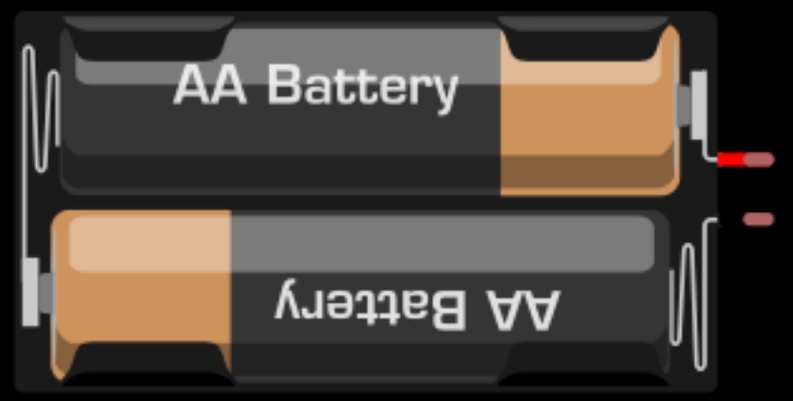


Klockan (RTC)

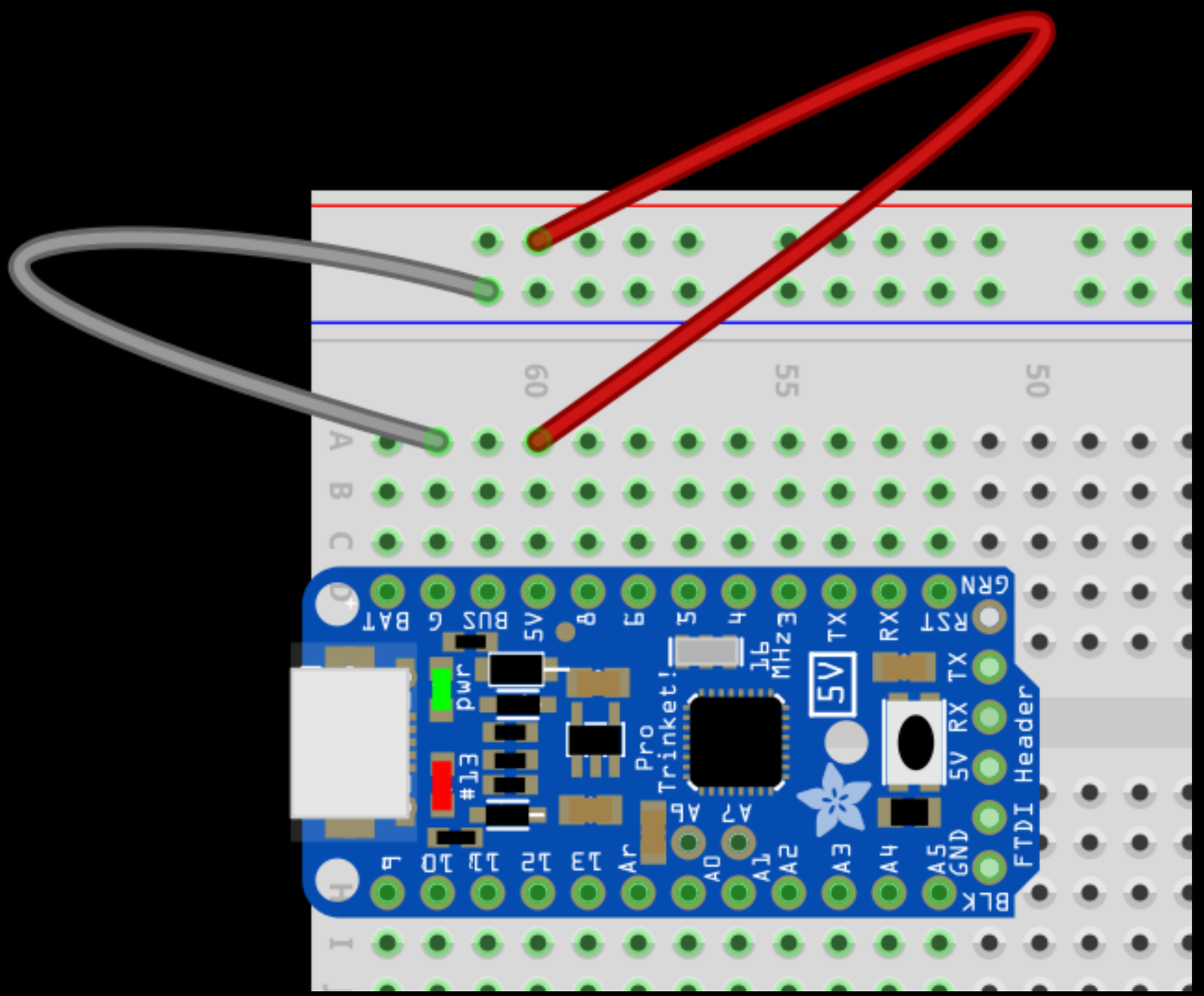


Batteri

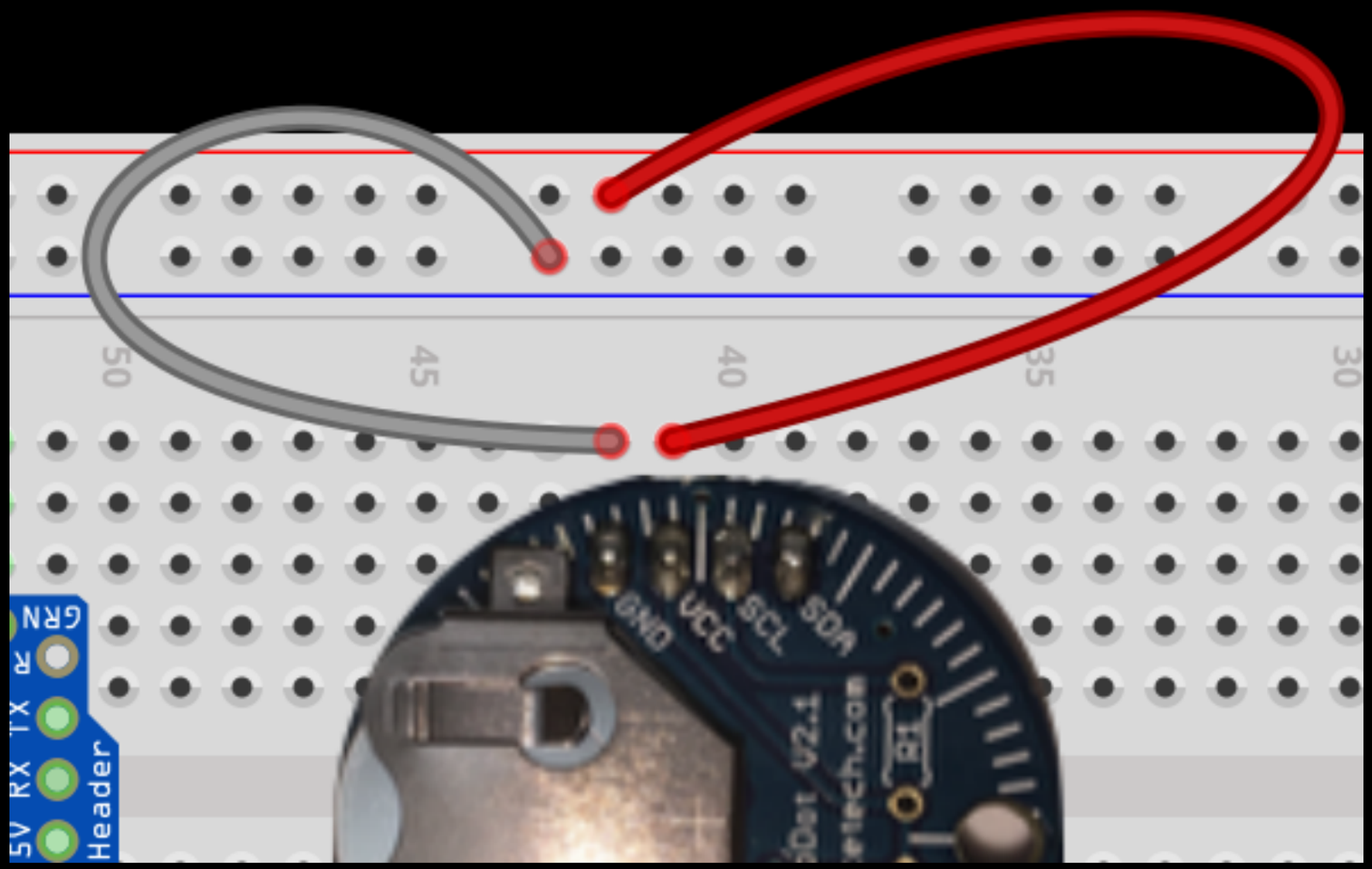

GND
VCC
SCL
SDA
8.8:8.8.
0.56" 7-segment LED HT16K33 Backpack


AA Battery
AA Battery

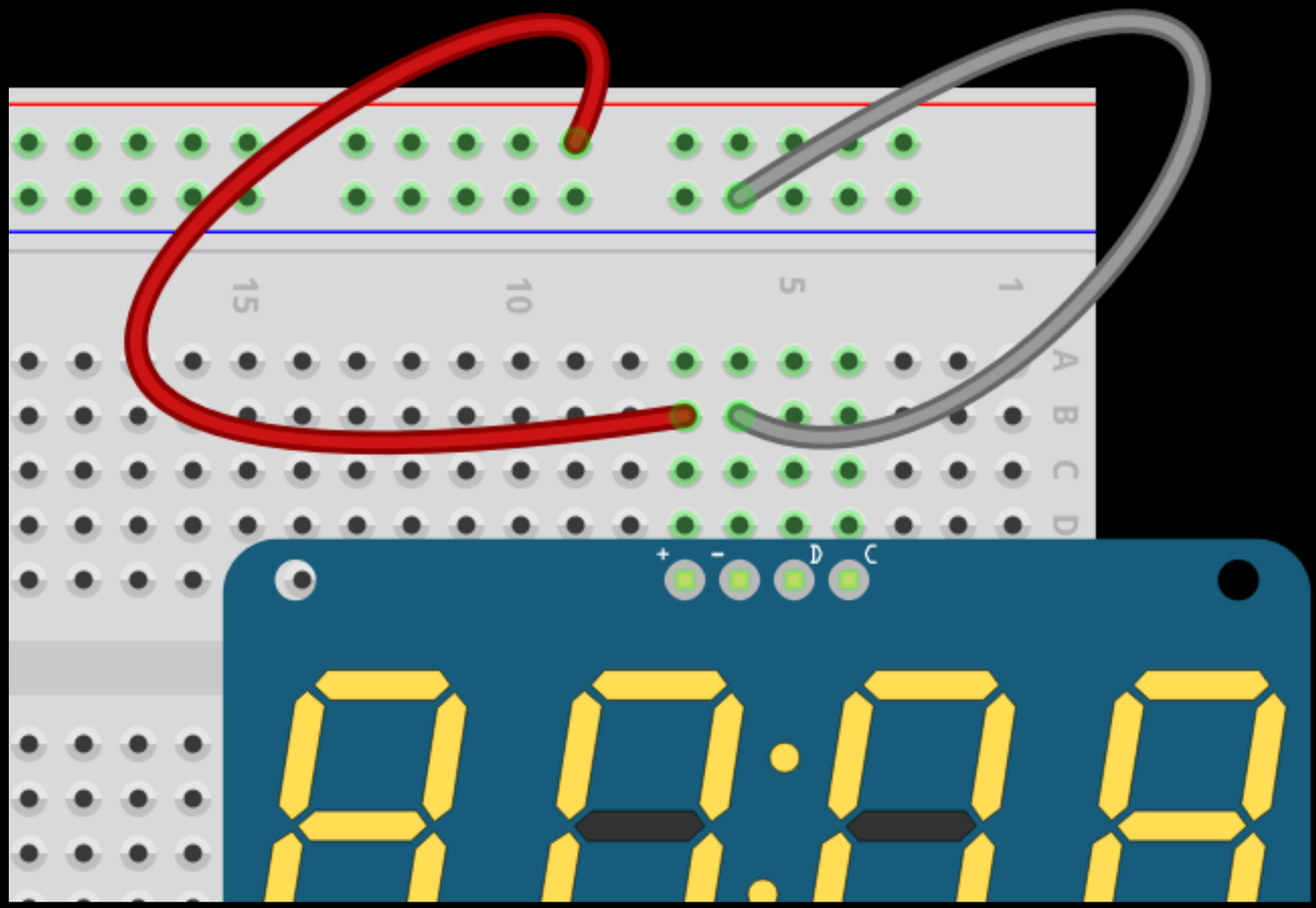
Ström till Arduino



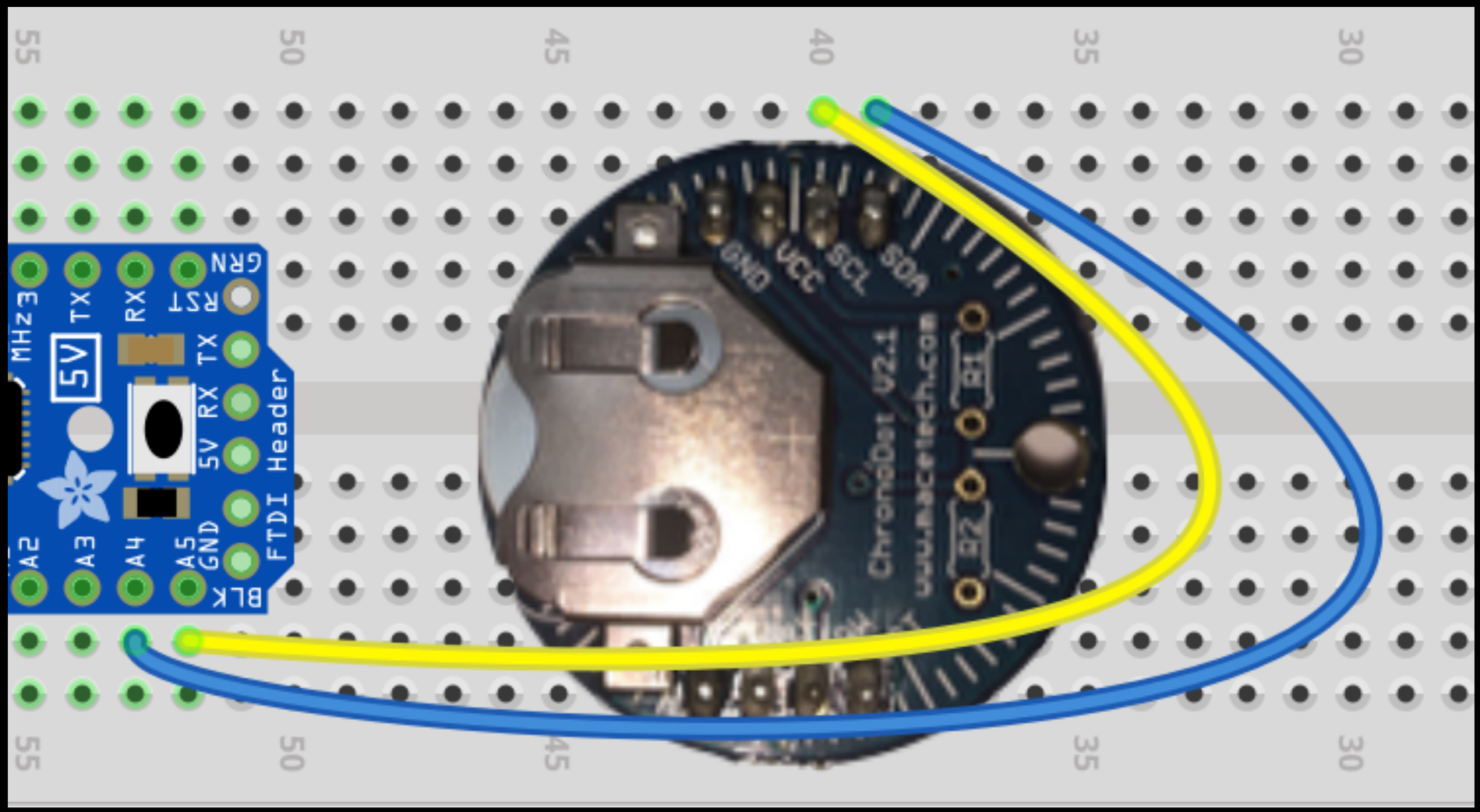
Ström till RTC



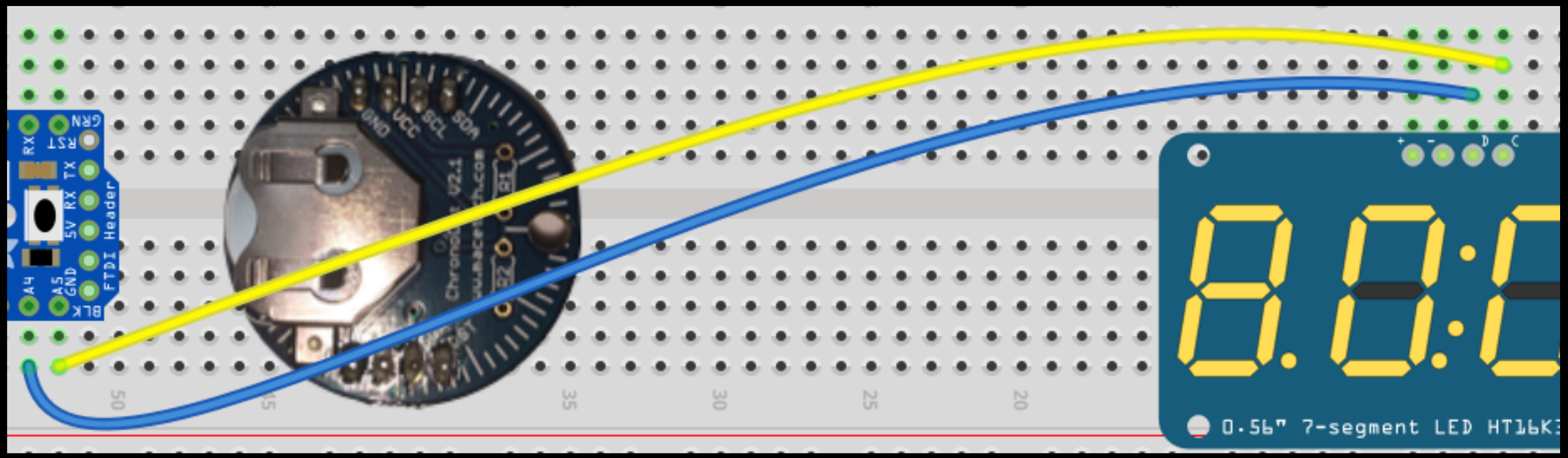
Ström till LED-displayen



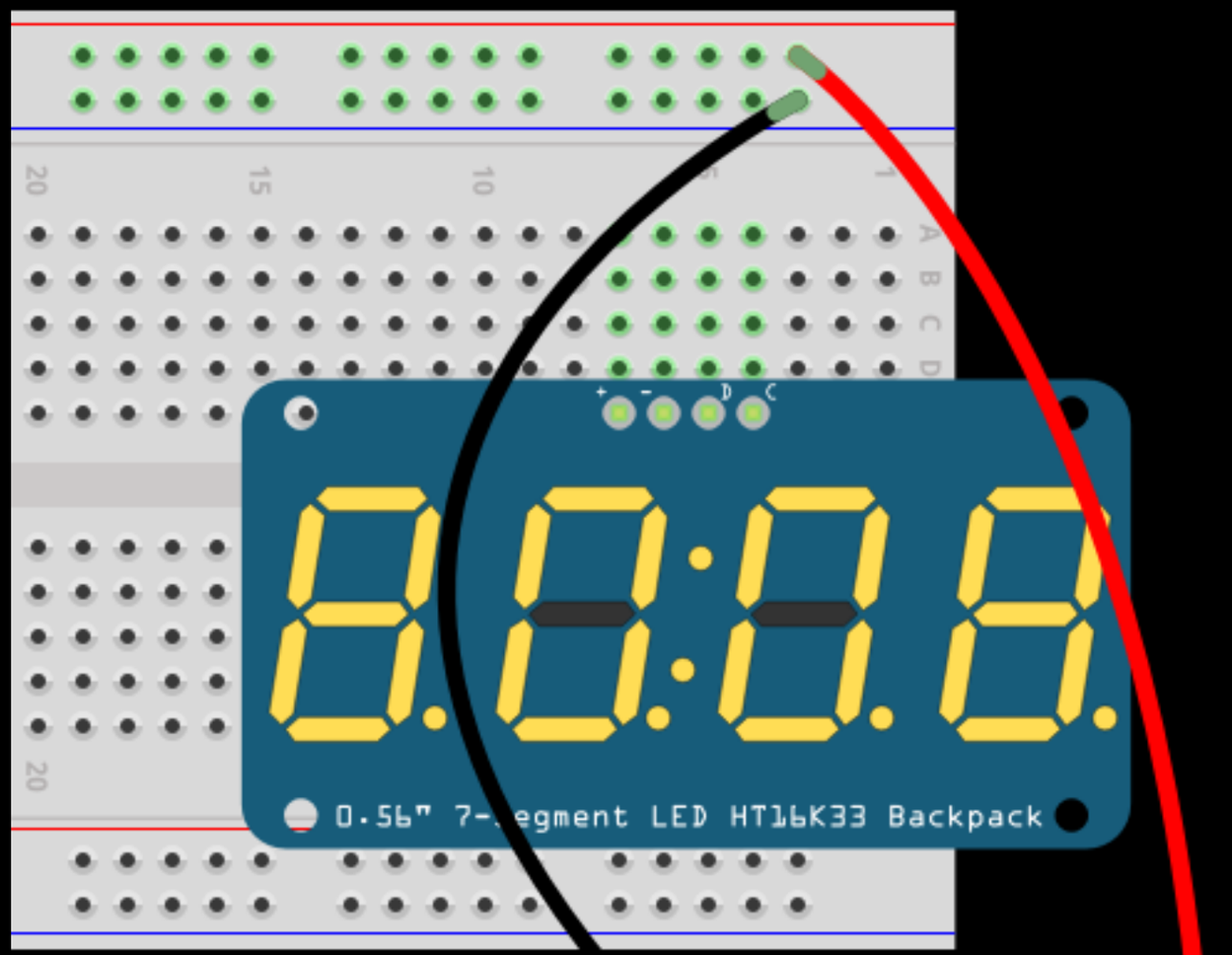
I2C till RTC

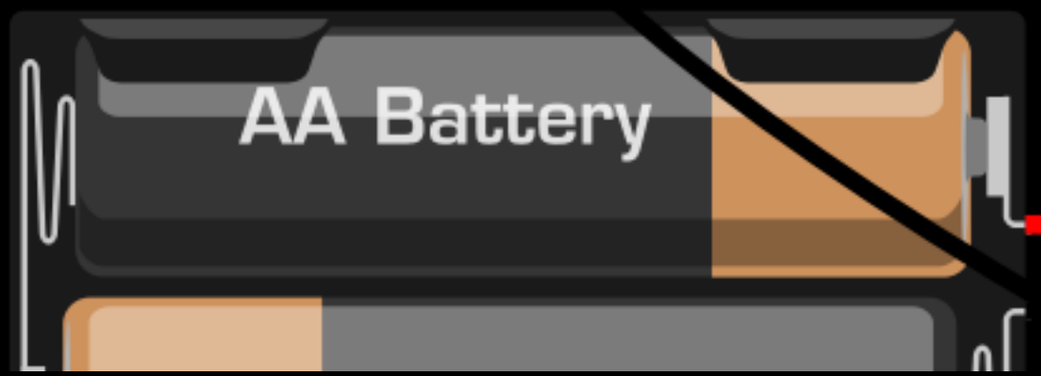

55
50
45
40
35
30
GRN
RST
TX
RX
8MHz
5V
A2
A3
A4
A5
GND
BLK
5V
RX
TX
FTDI Header
GND
VCC
SCL
SDA
ChronoDot V2.1
www.adafruit.com
B1
B2

I2C till LED-Display



Anslut batteriet

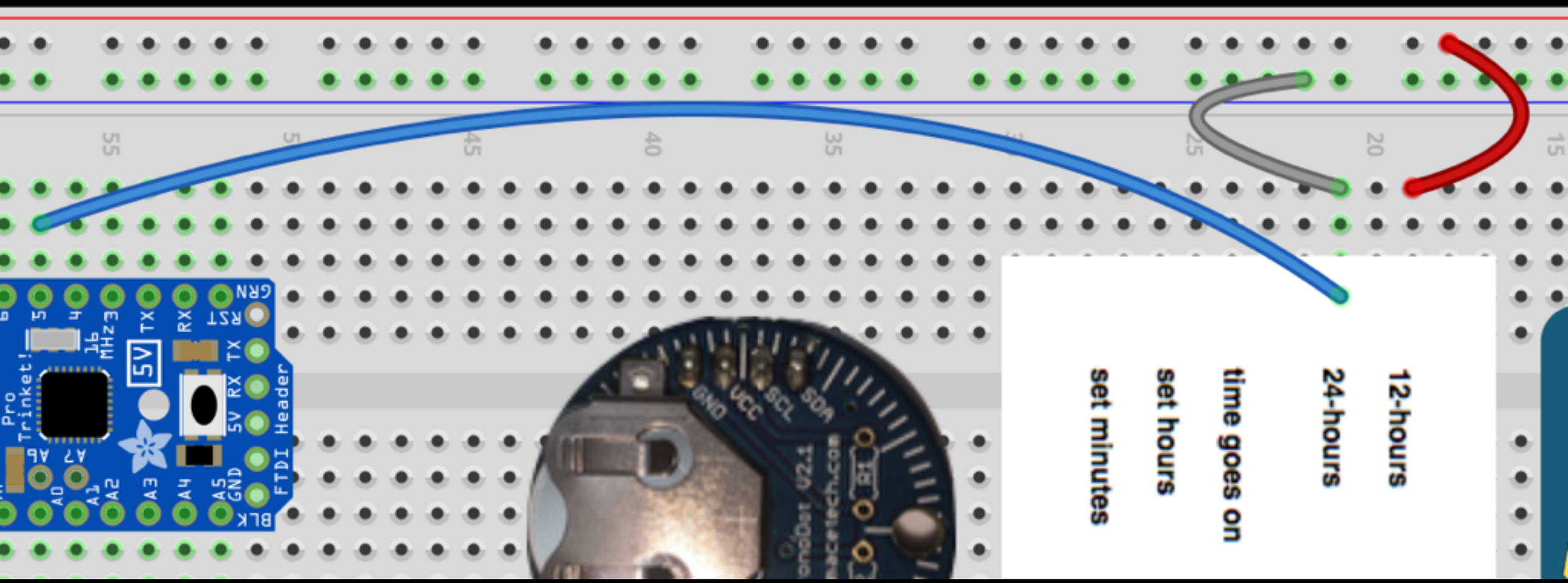




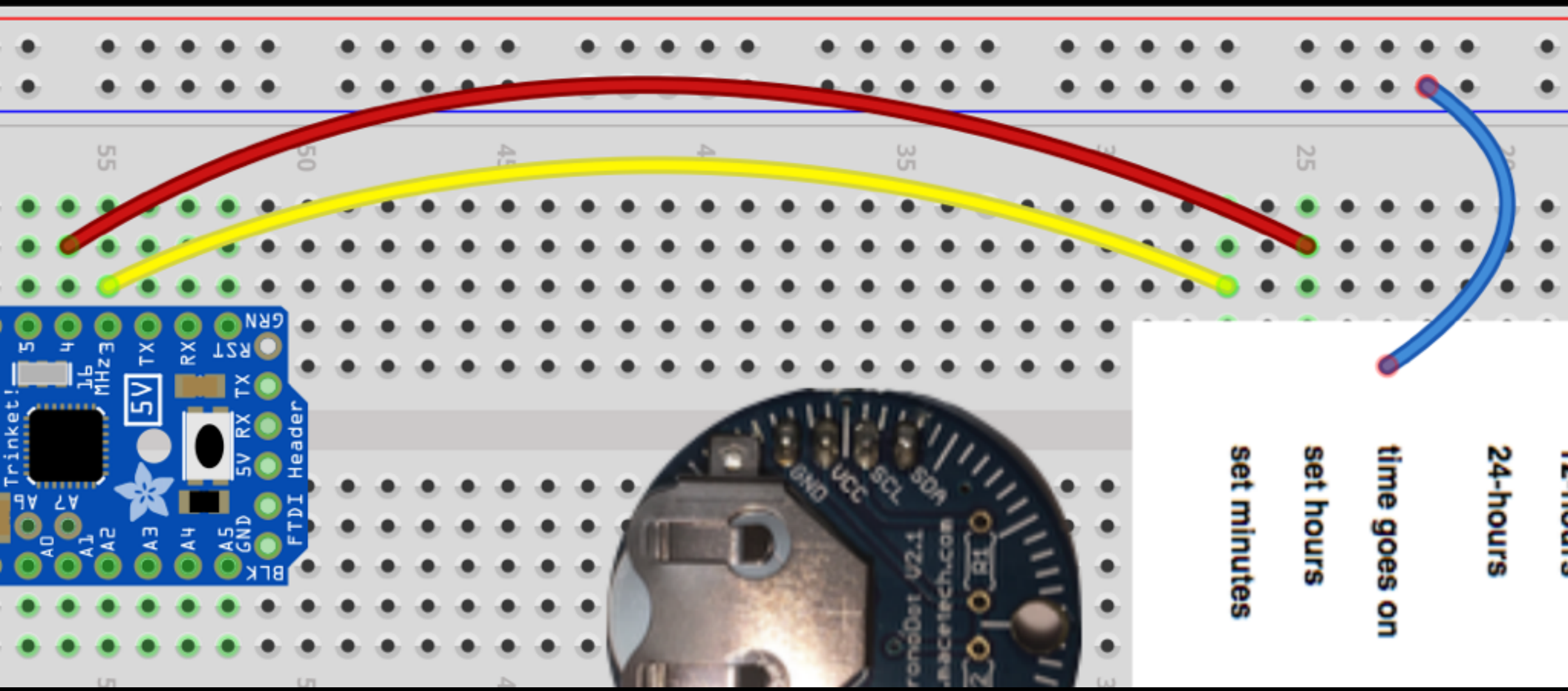
Vad händer?


IIS_talarg_va_klockan | Arduino 1.6.5
IIS_talarg_va_klockan
// Set to false to display time in 12 hour format, or true to use 24 hour. Overriden by setting pin 5 to HIGH/LOW.
boolean TIME_24_HOUR = true;
// Remember if the colon was drawn on the display so it can be blinked
// on and off every second.
bool blinkColon = false;
// Reads the clock from the RTC and overwrited the RAM-clock.
void gettimefromrtc() {
// Get the time from the DS1307.
now = rtc.now();
// Print out the time for debug purposes:
Serial.print("Read date & time from DS1307: ");
Serial.print(now.year(), DEC);
Serial.print('/');
Serial.print(now.month(), DEC);
Serial.print('/');
Serial.print(now.day(), DEC);
Serial.print(' ');
Serial.print(now.hour(), DEC);
Serial.print(':');
Serial.print(now.minute(), DEC);
Serial.print(':');
Serial.print(now.second(), DEC);
Serial.println();
// Now set the hours and minutes.
hours = now.hour();
minutes = now.minute();
seconds = now.second();
}
void setup() {
// Setup function runs once at startup to initialize the display
Sparning färdigt.
Sketch uses 8 162 bytes (28%) of program storage space. Maximum is 28 672 bytes.
Global variables use 485 bytes of dynamic memory.
35
Pro Trinket 5V/16MHz (USB) on /dev/cu.SLAB_USBtoUART

Sätta 12/24-timmarvisning



Ställa tiden



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