Part1
Adafruit #2264

Adafruit
FT232H

C9
C8
C7
C6
C5
C4
C3
C2
C1
C0

AG+
EXC+

D0/SCL/SCK
D1/SDA/MOSI
D2/SDA/MISO
D3
D4
D5
D6
D7

GND

ZS-042 RTC1

VCC

2

7   SCL   SDA   3
8   SDA   SCL   4
9   VCC   SQW   5
10 GND   32K   6

ZS-042
DS3231
RTC module

GND

1

Part2
Adafruit #2264

Adafruit
FT232H

C9
C8
C7
C6
C5
C4
C3
C2
C1
C0

AG+

D0/SCL/SCK
D1/SDA/MOSI
D2/SDA/MISO
D3
D4
D5
D6
D7

GND

R1
10kΩ

RST   DAT   CLK   GND   VCC

PCB2

Crystal 32.768KHz

X1 - Crystal
X2 - Crystal
0V

+V

DS1302

Vbat - Backup Supply
SCLK - SPI Clock
I/O - SPI Data In/Out
CE - Chip Enable

fritzing