RTC chip

3.3V

IC1

1	32KHZ	SCL	16	SCL
2	VCC	SDA	15	SDA
3	SQW/INT	VBAT	14	VBAT
4	/RST	GND	13	
5	NC	NC7	12	
6	NC1	NC6	11	
7	NC2	NC5	10	
8	NC3	NC4	9	

DS3231

GND   GND

Caps and pullups

3.3V   3.3V   3.3V   3.3V

C1   C2   R1   R2
100nF   1uF   10K   10K

GND   GND   SCL   SDA

Left connector
(outside mount)

3.3V

SDA1
SCL1

3.3V

SDA0   SCL0

GND   J1   J2   GND

Right connector
(inside mount)

3.3V

SDA1
SCL1

3.3V

SDA0   SCL0

GND   J3   J4   GND

Battery holder

BAT1

VBAT

CR1220-2   GND

LIPO1

VBAT   1   1
           2   2

GND   Molex VERT 1.25mm pitch

I2C bus selection

SJ1   SJ2
SDA1 1   3 SDA0   SCL1 1   3 SCL0
      2   2
   SDA   SCL

I2C1 is connected
by default