RTC chip

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

3.3V

GND

DS3231

GND

Mini connector

3.3V

SDA
SCL

J1   J2

GND

Caps and pullups

3.3V   3.3V   3.3V   3.3V

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

GND   GND   SCL   SDA

Battery holder

BAT1
+ -
VBAT

CR1220-2   GND

LIPO1
VBAT   1
        2

GND   Molex VERT 1.25mm pitch

LIPO2
VBAT   1
        2

GND   Molex VERT 1.25mm pitch