nRF Receiver V1.1

GND Bat(+)

MISO
SCK
RST
GND
MOSI

GND
Tx
Rx

OFF
LOW
HIGH

VCC
CSN
MOSI
IRQ

(+)

18650
Li-Ion

(−)

220uF

GND
GND
VCC

2N2222

2.2K

LP2950-33

3V3

2uF

0uF

GND
CE
SCK
MISO

GND
OUT

8.2K

2.2K

10K 10K 10K 10K 10K

IC1

100nF

10K

2.2K 2.2K

D2 D1

SW1

RST
CE
DC
DIN
CLK
VCC
BL
GND

SW2   SW3
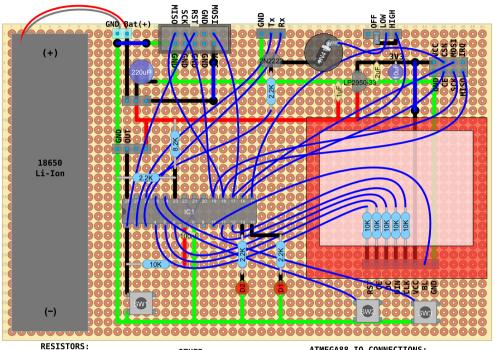
CAPS:
1x 100 nF
1x 1 uF
1x 2.2 uF
1x 10 uF
1x 220 uF

RESISTORS:
4x 2.2 K
1x 5.7 K
1x 8.2 K
5x 10 K
2x 150 SMD
1x 15 SMD

PIN HEADERS:
1x 28P SOCKET
1x JRC 2P
1x 2x5 Shrouded
1x 2x4
1x 1x8
2x 1x3
1x 1x4

OTHER:
1x 2N2222
1x 1N4148
1x LP2950-33
1x ATMEGA88
1x PIEZO BUZZER
1x 5110 NOKIA SCREEN
1x nRF24L01+ RADIO
3x TACT BUTTON
1x 18650 BATTERY HOLDER
2x PIN JUMPER

ATMEGA88 IO CONNECTIONS:
P1   RESET
P2   RX   -> TX
P3   TX   -> RX
P4   D2   -> NOKIA P1 RST
P5   D3   -> NOKIA P2 CE
P6   D4   -> NOKIA P3 DC
P10 D21 -> NOKIA P7 BL
P11 D5   -> NOKIA P4 DIN
P12 D6   -> NOKIA P5 CLK
P13 D7   -> LED 1
P14 D8   -> LED 2

P15 D9   -> nRF CSN
P16 D10 -> nRF CE
P17 D11 -> nrF/ISP MOSI
P18 D12 -> nrF/ISP MISO
P19 D13 -> nrF/ISP SCK
P23 A0   -> BATV
P24 D15 -> SW 1
P25 D16 -> SW 2
P26 D17 -> BUZ
P28 D19 -> PIR