Reset Button

PWR_FLAG
VDD
R1 10Ω
RESET
SW1
SW_Push
GND

GPIOs and Pins

GPIO J1
P0.10 9
P0.31 8
P0.30 7
P0.29 6
P0.28 5
P0.27 4
P0.26 3
P0.25 2
1
GND

GPIO J2
P0.24 9
P0.23 8
P0.22 7
P0.20 6
P0.19 5
P0.15 4
P0.14 3
P0.13 2
1
GND

GPIO J3
P0.16 9
P0.17 8
P0.18 7
P0.09 6
P0.05 5
P0.04 4
P0.03 3
P0.02 2
1
GND

VDD
PWR
2
1
J5
GND

J6
RESET 3 RESET / VCC 1
SWCLK 4 SWCLK
SWDIO 2 SWDIO
SWO 6 SWO / GND 5
VDD
GND

SWDCLK 1
SWDIO 2
3
4
J7 SWD
VDD

LED's

VDD
White R2 10Ω WHITE
D1
Green R3 10Ω GREEN
D2
Red R4 33Ω RED
D3

J4
Battery_CR2032
1 GND
2 VDD

Mounting Holes M3

C10 1uF — GND
L1 15nH 300mA
VDD
C8 4.7uF
L2 10uH 3mA
GND

C7 100nF — GND
C5 12pF
Y1 32.768kHz
C6 12pF
GND

U1 nrf52832

1 DEC1
2 P0.00/XL1
3 P0.01/XL2
4 P0.02/AIN0
5 P0.03/AIN1
6 P0.04/AIN2
7 P0.05/AIN3
8 P0.06
9 P0.07
10 P0.08
11 P0.09
12 P0.10

P0.02
P0.03
P0.04
P0.05
RED
WHITE
GREEN
P0.09
P0.10

49 GND
48 VDD
47 DCC
46 DEC4
45 VSS
44 NC
43 P0.31/AIN7
42 P0.30/AIN6
41 P0.29/AIN5
40 P0.28/AIN4
39 P0.27
38 P0.26
37 P0.25

P0.31
P0.30
P0.29
P0.28
P0.27
P0.26
P0.25

36 VDD
35 XC2
34 XC1
33 DEC3
32 DEC2
31 VSS
30 ANT
29 P0.24
28 P0.23
27 P0.22
26 SWDIO
25 SWDCLK

VDD
C11 100nF — GND
C1 12pF
ABM8-32.000MHZ-B2-T3
Y3 GND
C2 12pF
GND

C12 100pF
C13 NC
PWR_FLAG
GND

C3 1pF
L5 2.7uH
L4 3.9uH
GND

AE1 2450AT18A100E

P0.24
P0.23
P0.22
SWDIO
SWDCLK

13 VDD
14 P0.11
15 P0.12
16 P0.13
17 P0.14
18 P0.15
19 P0.16
20 P0.18
21 P0.19
22 P0.20
23 P0.21/RESET
24

VDD
C9 100nF
GND

P0.11
P0.12
P0.13
P0.14
P0.15
P0.16
P0.17
P0.18
P0.19
P0.20
RESET

P0.11
SW2 SW_Push
GND

P0.12
SW3 SW_Push
GND