RETROTOPE

WalkSensor

Len Shustek

REV:

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P-channel MOSFET power switch

R2 100K

Q1 NDP6020P

on/off pushbutton switch

940nm IR LEDs

LED1

LED4

6V

T1 2N3904

R1 2.2K

Adafruit Feather 32U4 Bluefruit LE

P$17	SDA,D2	DFU	P$16
P$18	SCL,D3	TX,D1	P$15
P$19	D5	RX,D0	P$14
P$20	D6		
P$21	D9		
P$22	D10		
P$23	D11	A5	P$10
P$24	D12	A4	P$9
P$25	D13	A3	P$8
P$26	USB	A2	P$7
P$27	EN	A1	P$6
P$28	VBAT	A0	P$5
	GND	GND	P$4
	AREF	P$3	
	3V	P$2	
	RESET	P$1	

R5 470K, 1%

R11 2.2K

R10 22K

battery monitor

C1 .01ufd

R6 470K, 1%

T2 2N3904

AL5801 LED driver

1	RBIAS	OUT	3
5	COMP		
2	FEEDBACK		
4	REXT	GND	6

R9 30

C3 2.2ufd

C2 0.1ufd

GND

yellow LED3

blue LED2

green

red

LD1

R3 330

R4 330

R7 330

R8 330

status lights

C4 0.1ufd

Vishay TSOP38238 IR receiver

V+

OUT

GND

change log

30 Oct 2016, L. Shustek, first version

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