

Battery_Cell 0.1uF C30

SW

CE PG

PG 14 FPWM 20

BAT/OUT

BAT/OUT

Battery Charge Circuit

USB

STAT2

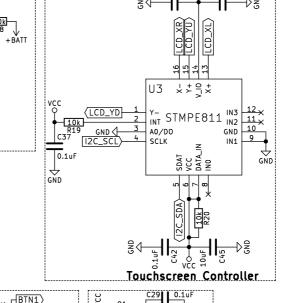
3 VSS VSS VSS

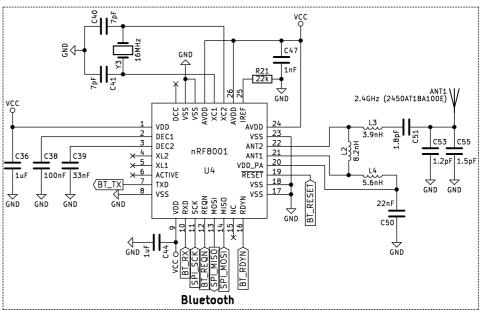
18 VSS

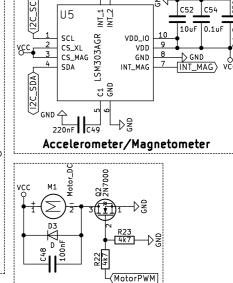
C14 C18

16 17

ISET1 12 13 +BAT



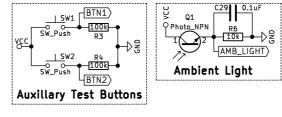




Vibration Motor

INT2_XL

(INT1_XL)



VCC = 3.3V (LCD Requires 3.3V) Ambient Light for screen backlight intensity Bluetooth LE for phone connection USB 2.0 over USB C connector Vibration Motor

Combined Accelerometer and Magnemometer Test buttons and LEDs for debugging May change USB—C connector to MicroUSB (easier to solder?)

open source hardware

22 E

Jesse Laning Sheet: / File: SmartWatch.sch Title: Smart Watch Size: A3 Date: 2017-12-06 KiCad E.D.A. kicad 4.0.7 ld: 1/1

LED1 2 1 100R D1 **Auxillary LEDs**

23pF

C34 0.15nF

GND GND

C31