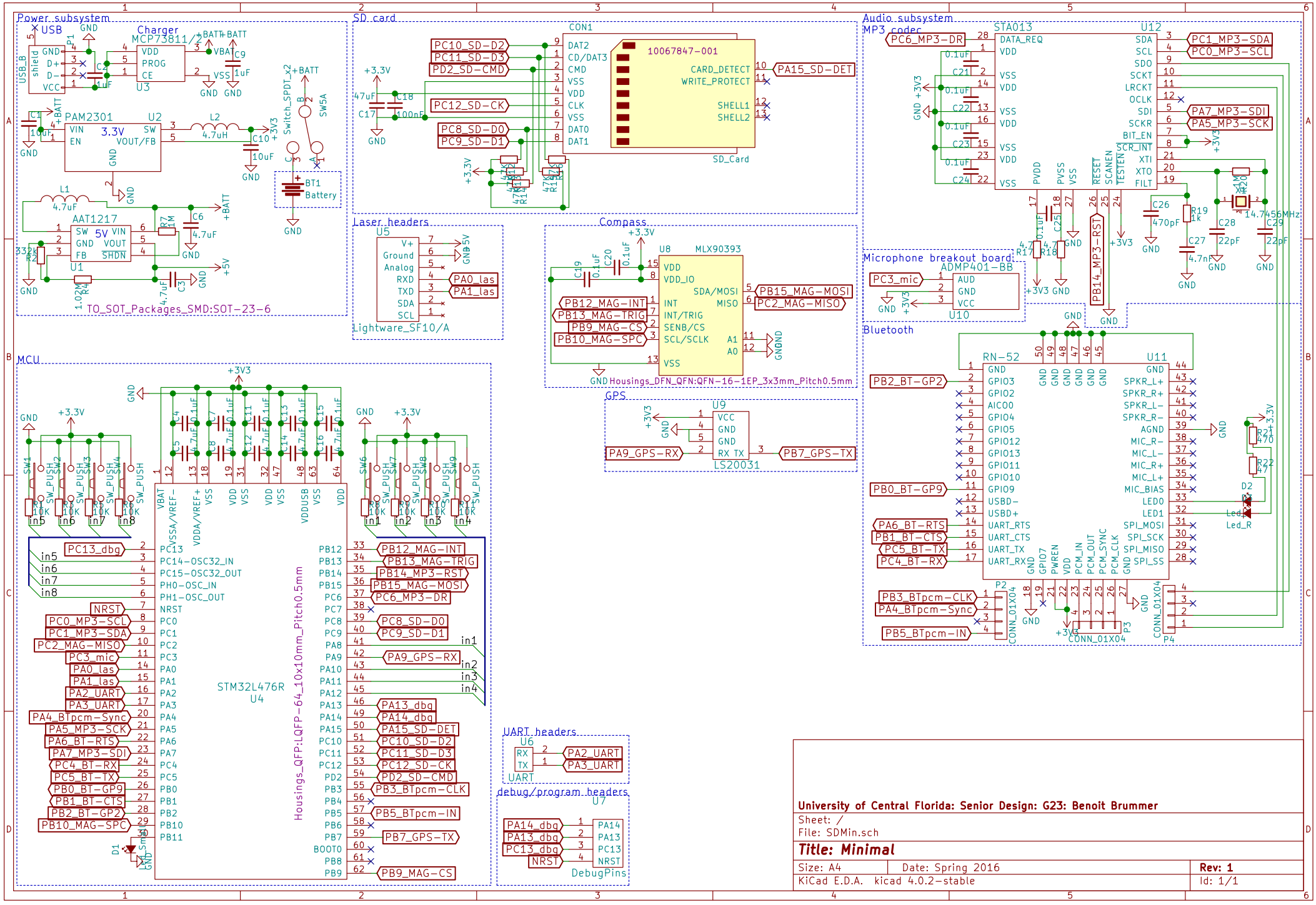
Power subsystem
USB
Charger
MCP73811/2
U3
PAM2301
U2
3.3V
AAT1217
U1
5V
L1
4.7uF
L2
4.7uH
BT1
Battery
Switch_SPDT_x2
SW5A
TO_SOT_Packages_SMD:SOT-23-6
SD card
CON1
10067847-001
CARD_DETECT
WRITE_PROTECT
SHELL1
SHELL2
SD_Card
PC10_SD-D2
PC11_SD-D3
PD2_SD-CMD
PC12_SD-CK
PC8_SD-D0
PC9_SD-D1
PA15_SD-DET
Laser headers
U5
Lightware_SF10/A
PA0_las
PA1_las
Compass
U8
MLX90393
Housings_DFN_QFN:QFN-16-1EP_3x3mm_Pitch0.5mm
PB12_MAG-INT
PB13_MAG-TRIG
PB9_MAG-CS
PB10_MAG-SPC
PB15_MAG-MOSI
PC2_MAG-MISO
GPS
U9
LS20031
PA9_GPS-RX
PB7_GPS-TX
Audio subsystem
MP3 codec
STA013
U12
PC6_MP3-DR
PC1_MP3-SDA
PC0_MP3-SCL
PA7_MP3-SDI
PA5_MP3-SCK
PB14_MP3-RST
14.7456MHz
Microphone breakout board
ADMP401-BB
U10
PC3_mic
Bluetooth
RN-52
U11
PB2_BT-GP2
PB0_BT-GP9
PA6_BT-RTS
PB1_BT-CTS
PC5_BT-TX
PC4_BT-RX
PB3_BTpcm-CLK
PA4_BTpcm-Sync
PB5_BTpcm-IN
CONN_01X04
P2
P3
P4
MCU
STM32L476R
U4
Housings_QFP:LQFP-64_10x10mm_Pitch0.5mm
PC13_dbg
NRST
PA13_dbg
PA14_dbg
PA15_SD-DET
PA2_UART
PA3_UART
UART headers
U6
UART
debug/program headers
U7
DebugPins
University of Central Florida: Senior Design: G23: Benoit Brummer
Sheet: /
File: SDMin.sch
Title: Minimal
Size: A4
Date: Spring 2016
Rev: 1
KiCad E.D.A. kicad 4.0.2-stable
Id: 1/1