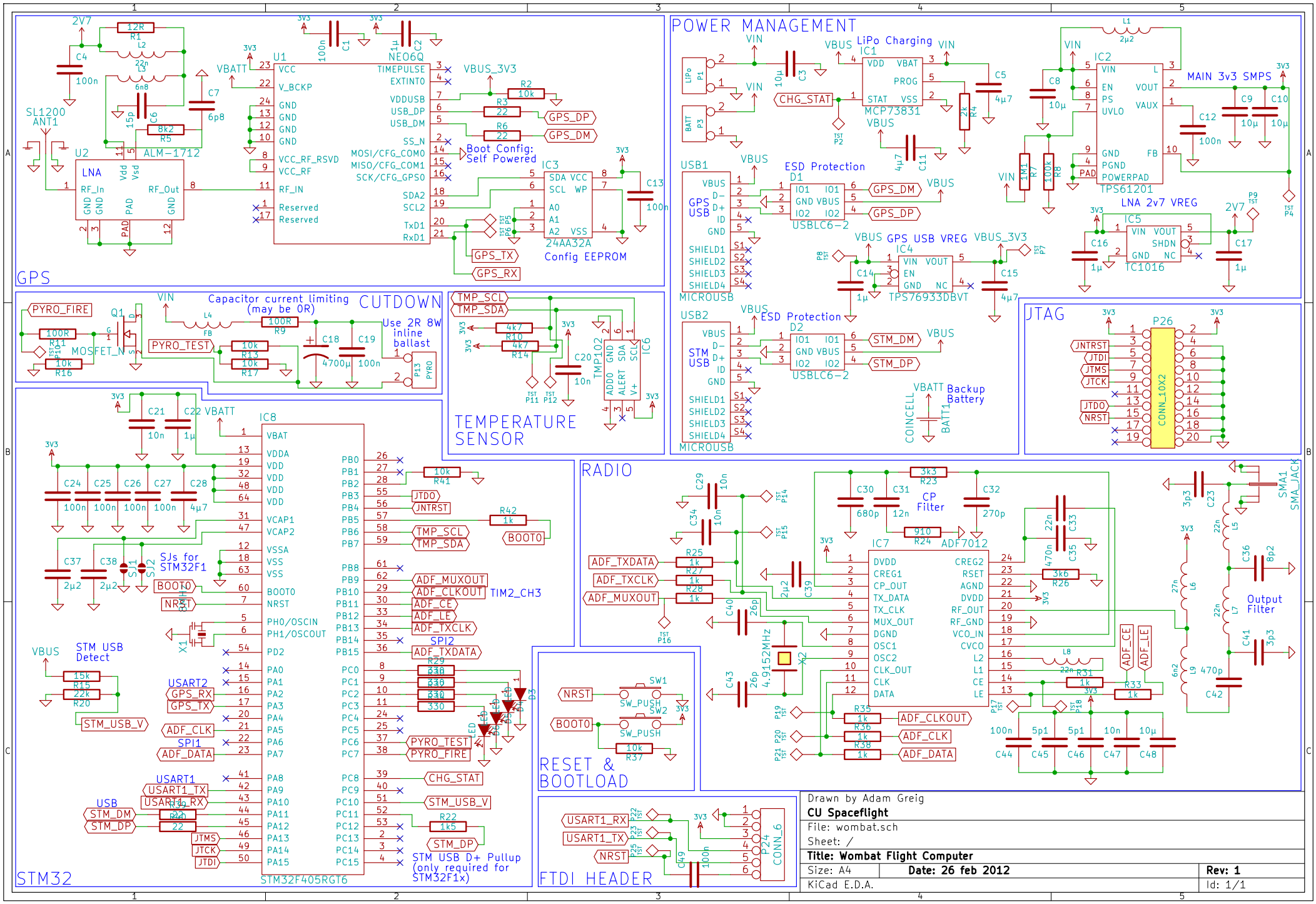
GPS
U1
NEO6Q
U2
ALM-1712
SL1200
ANT1
IC3
24AA32A
Config EEPROM
Boot Config:
Self Powered
POWER MANAGEMENT
IC1
MCP73831
LiPo Charging
IC2
TPS61201
MAIN 3v3 SMPS
IC4
TPS76933DBVT
GPS USB VREG
IC5
TC1016
LNA 2v7 VREG
USB1
MICROUSB
USB2
ESD Protection
USBLC6-2
Backup
Battery
CUTDOWN
Capacitor current limiting
(may be 0R)
Use 2R 8W
inline
ballast
TEMPERATURE
SENSOR
TMP102
JTAG
P26
CONN_10X2
RADIO
IC7
ADF7012
CP
Filter
Output
Filter
SMA_JACK
RESET &
BOOTLOAD
FTDI HEADER
P24
CONN_6
STM32
STM32F405RGT6
STM USB
Detect
SJs for
STM32F1
STM USB D+ Pullup
(only required for
STM32F1x)
Drawn by Adam Greig
CU Spaceflight
File: wombat.sch
Sheet: /
Title: Wombat Flight Computer
Size: A4
Date: 26 feb 2012
Rev: 1
KiCad E.D.A.
Id: 1/1