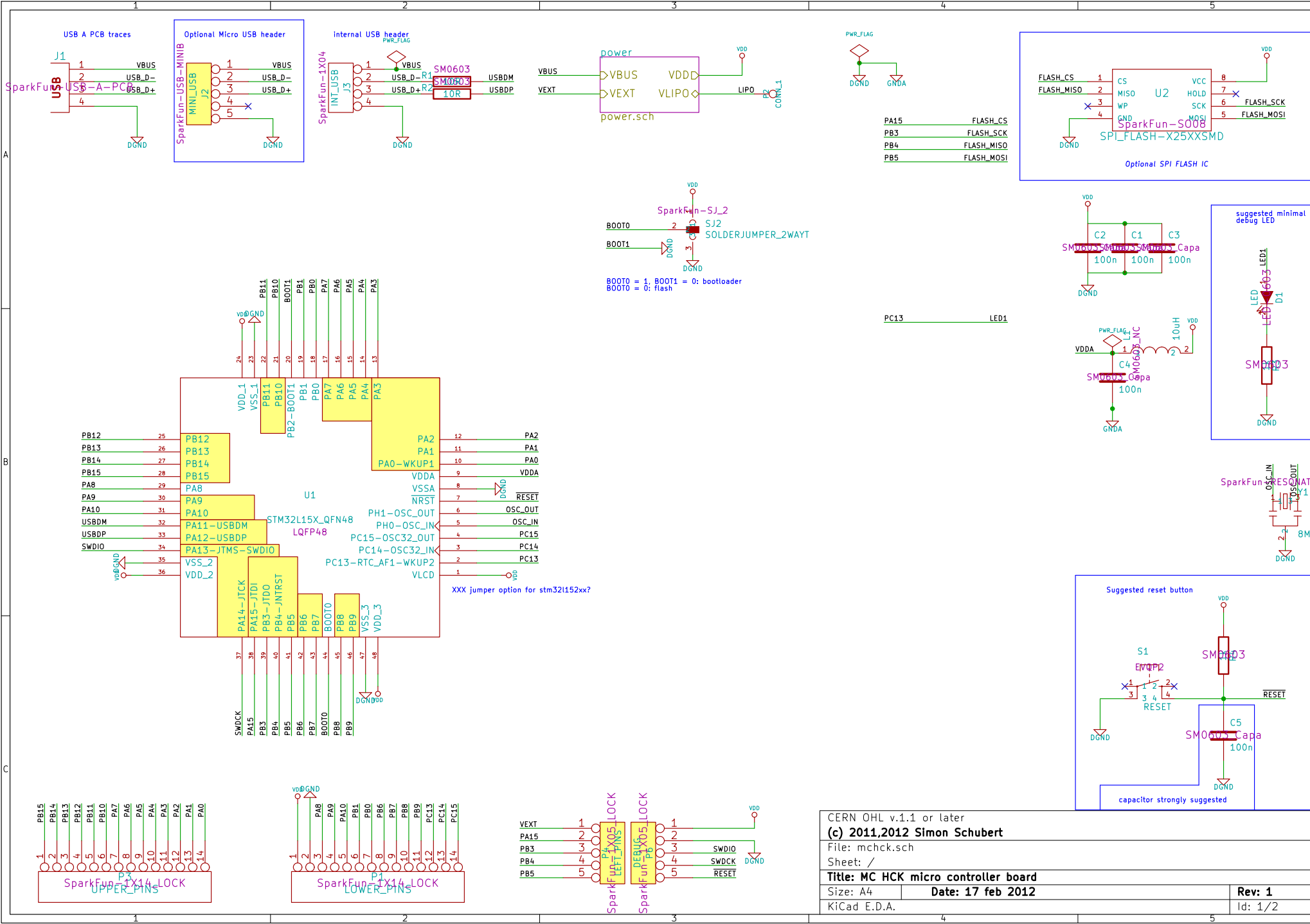
USB A PCB traces
J1
SparkFun_USB-A-PCB
USB
VBUS
USB_D-
USB_D+
DGND
Optional Micro USB header
SparkFun-USB-MINIB
MINI_USB
J2
internal USB header
SparkFun-1X04
INT_USB
J3
PWR_FLAG
SM0603
R1
R2
10R
USBDM
USBDP
power
VBUS
VEXT
VDD
VLIPO
LIPO
power.sch
PA15
PB3
PB4
PB5
FLASH_CS
FLASH_MISO
FLASH_SCK
FLASH_MOSI
U2
SparkFun-S008
SPI_FLASH-X25XXSMD
Optional SPI FLASH IC
SparkFun-SJ_2
SJ2
SOLDERJUMPER_2WAYT
BOOT0
BOOT1
BOOT0 = 1, BOOT1 = 0: bootloader
BOOT0 = 0: flash
C2
C1
C3
100n
Capa
PC13
LED1
suggested minimal debug LED
D1
L1
10uH
VDDA
C4
U1
STM32L15X_QFN48
LQFP48
PB12
PB13
PB14
PB15
PA8
PA9
PA10
PA11-USBDM
PA12-USBDP
PA13-JTMS-SWDIO
VSS_2
VDD_2
PA2
PA1
PA0-WKUP1
VDDA
VSSA
NRST
PH1-OSC_OUT
PH0-OSC_IN
PC15-OSC32_OUT
PC14-OSC32_IN
PC13-RTC_AF1-WKUP2
VLCD
RESET
OSC_OUT
OSC_IN
PC15
PC14
PC13
XXX jumper option for stm32l152xx?
SWDCK
SWDIO
SparkFun_RESONAT
8M
Suggested reset button
S1
RESET
C5
capacitor strongly suggested
P3
SparkFun_1X14_LOCK
UPPER_PINS
P1
LOWER_PINS
P4
SparkFun_1X05_LOCK
LEFT_PINS
P6
DEBUG
CERN OHL v.1.1 or later
(c) 2011,2012 Simon Schubert
File: mchck.sch
Sheet: /
Title: MC HCK micro controller board
Size: A4
Date: 17 feb 2012
Rev: 1
KiCad E.D.A.
Id: 1/2