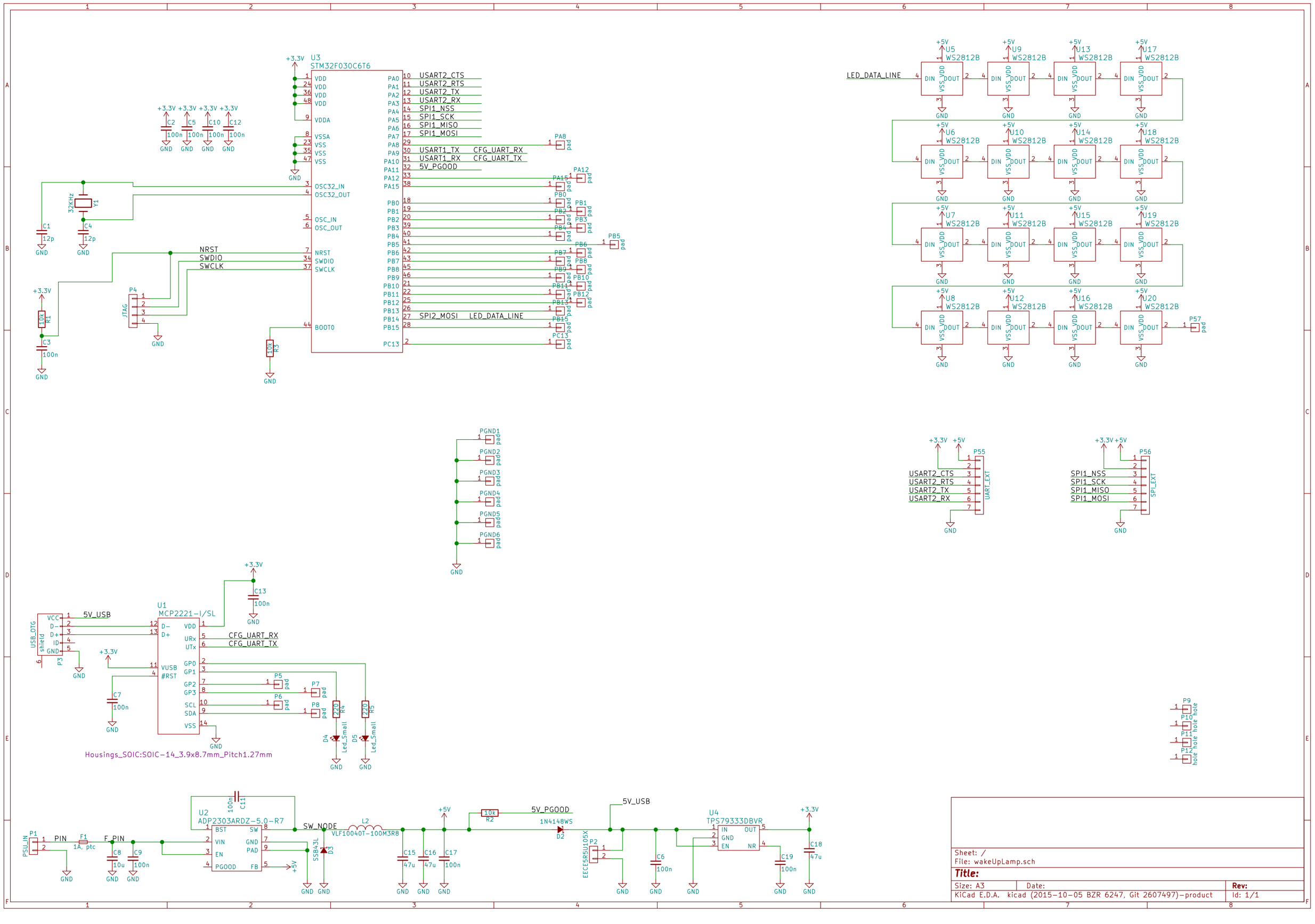
U3
STM32F030C6T6
+3.3V
VDD
VDDA
VSSA
VSS
OSC32_IN
OSC32_OUT
OSC_IN
OSC_OUT
NRST
SWDIO
SWCLK
BOOT0
PA0 USART2_CTS
PA1 USART2_RTS
PA2 USART2_TX
PA3 USART2_RX
PA4 SPI1_NSS
PA5 SPI1_SCK
PA6 SPI1_MISO
PA7 SPI1_MOSI
PA8
PA9 USART1_TX CFG_UART_RX
PA10 USART1_RX CFG_UART_TX
PA11 5V_PGOOD
PA12
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13 SPI2_MOSI LED_DATA_LINE
PB14
PB15
PC13
C1 12p
C2 100n
C4 12p
C5 100n
C10 100n
C12 100n
C3 100n
Y1 32KHz
R1 10K
R3 10K
P4 JTAG
LED_DATA_LINE
U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20
WS2812B
DIN DOUT VSS VDD
P57
PGND1 PGND2 PGND3 PGND4 PGND5 PGND6
P55 UART_EXT
USART2_CTS
USART2_RTS
USART2_TX
USART2_RX
P56 SPI_EXT
SPI1_NSS
SPI1_SCK
SPI1_MISO
SPI1_MOSI
U1
MCP2221-I/SL
5V_USB
CFG_UART_RX
CFG_UART_TX
C13 100n
C7 100n
P5 P6 P7 P8
R4 220
R5 220
D4 Led_Small
D5 Led_Small
Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm
P9 P10 P11 P12
U2
ADP2303ARDZ-5.0-R7
SW_NODE
L2 VLF10040T-100M3R8
D3 SSB43L
C11 100n
C15 47u
C16 47u
C17 100n
R2 10k
5V_PGOOD
D2 1N4148WS
P2 EECE5R5U105X
C6 100n
U4
TPS79333DBVR
C18 47u
C19 100n
P1 PSU_IN
F1 1A, ptc
PIN
F_PIN
C8 10u
C9 100n
Sheet: /
File: wakeUpLamp.sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. kicad (2015-10-05 BZR 6247, Git 2607497)-product
Id: 1/1