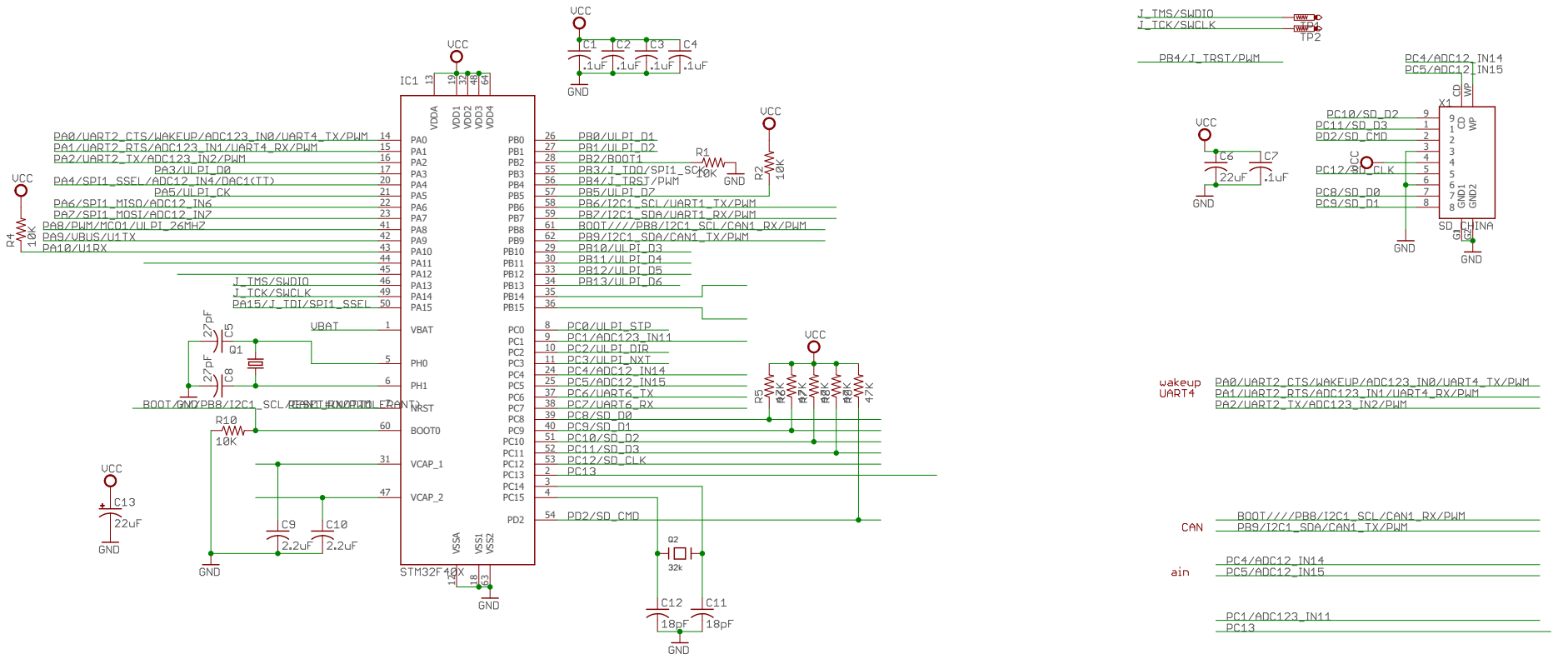
VCC
IC1
C1 .1uF
C2 .1uF
C3 .1uF
C4 .1uF
GND
R1 10K
R2 10K
R4 10K
PA0/UART2_CTS/WAKEUP/ADC123_IN0/UART4_TX/PWM
PA1/UART2_RTS/ADC123_IN1/UART4_RX/PWM
PA2/UART2_TX/ADC123_IN2/PWM
PA3/ULPI_D0
PA4/SPI1_SSEL/ADC12_IN4/DAC1(TT)
PA5/ULPI_CK
PA6/SPI1_MISO/ADC12_IN6
PA7/SPI1_MOSI/ADC12_IN7
PA8/PWM/MCO1/ULPI_26MHZ
PA9/VBUS/U1TX
PA10/U1RX
PA11
PA12
PA13/J_TMS/SWDIO
PA14/J_TCK/SWCLK
PA15/J_TDI/SPI1_SSEL
PB0/ULPI_D1
PB1/ULPI_D2
PB2/BOOT1
PB3/J_TDO/SPI1_SCK
PB4/J_TRST/PWM
PB5/ULPI_D7
PB6/I2C1_SCL/UART1_TX/PWM
PB7/I2C1_SDA/UART1_RX/PWM
BOOT////PB8/I2C1_SCL/CAN1_RX/PWM
PB9/I2C1_SDA/CAN1_TX/PWM
PB10/ULPI_D3
PB11/ULPI_D4
PB12/ULPI_D5
PB13/ULPI_D6
PC0/ULPI_STP
PC1/ADC123_IN11
PC2/ULPI_DIR
PC3/ULPI_NXT
PC4/ADC12_IN14
PC5/ADC12_IN15
PC6/UART6_TX
PC7/UART6_RX
PC8/SD_D0
PC9/SD_D1
PC10/SD_D2
PC11/SD_D3
PC12/SD_CLK
PC13
PD2/SD_CMD
VBAT
PH0
PH1
NRST
BOOT0
VCAP_1
VCAP_2
VDDA
VDD1
VDD2
VDD3
VDD4
VSSA
VSS1
VSS2
STM32F40X
C5 27pF
C8 27pF
Q1
C13 22uF
C9 2.2uF
C10 2.2uF
R10 10K
Q2 32k
C12 18pF
C11 18pF
R5 47K
R6 47K
R7 47K
R8 47K
R9 47K
4.7K
J_TMS/SWDIO
J_TCK/SWCLK
TP2
PB4/J_TRST/PWM
PC4/ADC12_IN14
PC5/ADC12_IN15
X1
C6 22uF
C7 .1uF
PC10/SD_D2
PC11/SD_D3
PD2/SD_CMD
PC12/SD_CLK
PC8/SD_D0
PC9/SD_D1
SD
INA
wakeup
UART4
PA0/UART2_CTS/WAKEUP/ADC123_IN0/UART4_TX/PWM
PA1/UART2_RTS/ADC123_IN1/UART4_RX/PWM
PA2/UART2_TX/ADC123_IN2/PWM
CAN
BOOT////PB8/I2C1_SCL/CAN1_RX/PWM
PB9/I2C1_SDA/CAN1_TX/PWM
ain
PC4/ADC12_IN14
PC5/ADC12_IN15
PC1/ADC123_IN11
PC13
AOuT PA4/SPI1_SSEL/ADC12_IN4/DAC1(TT)
MA16-1
X3
PA9/VBUS/U1TX
PA10/U1RX
PB6/I2C1_SCL/UART1_TX/PWM
PB7/I2C1_SDA/UART1_RX/PWM
PB3/J_TDO/SPI1_SCK
PA6/SPI1_MISO/ADC12_IN6
PA7/SPI1_MOSI/ADC12_IN7
PA15/J_TDI/SPI1_SSEL
PA0/UART2_CTS/WAKEUP/ADC123_IN0/UART4_TX/PWM
PA4/SPI1_SSEL/ADC12_IN4/DAC1(TT)
BOOT////PB8/I2C1_SCL/CAN1_RX/PWM
VBAT
RESET#(NOTTOLERANT)
USE REGULATED 3.3V for power
User Interface
tx
rx
scl
sda
sck
miso
mosi
ssel
vbat
vcc
reset
gnd
mode0
mode1
+5V
X2
R3 10K
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ALFAT-SD
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