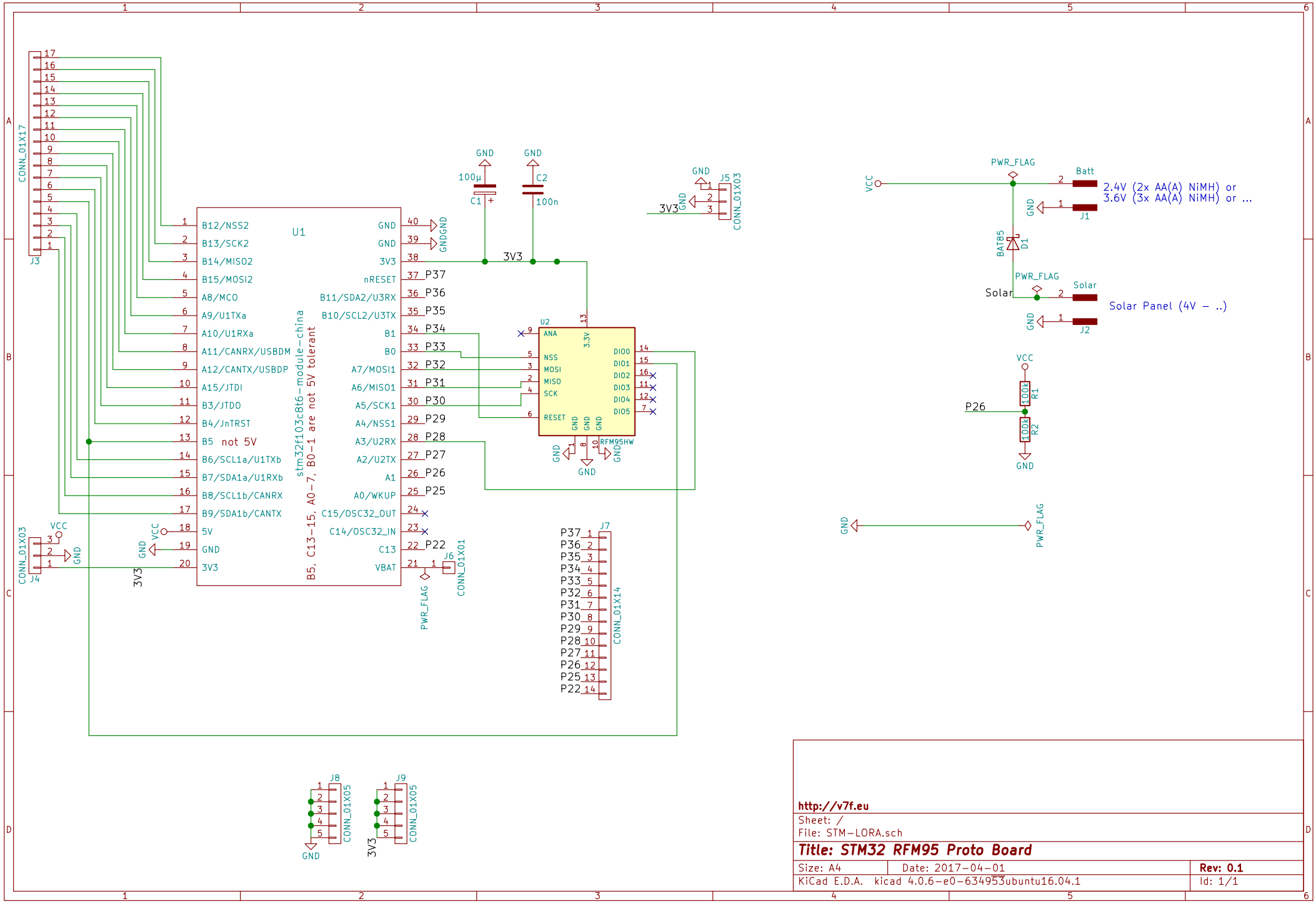
U1
stm32f103c8t6-module-china
B5, C13-15, A0-7, B0-1 are not 5V tolerant
B12/NSS2
B13/SCK2
B14/MISO2
B15/MOSI2
A8/MCO
A9/U1TXa
A10/U1RXa
A11/CANRX/USBDM
A12/CANTX/USBDP
A15/JTDI
B3/JTDO
B4/JnTRST
B5 not 5V
B6/SCL1a/U1TXb
B7/SDA1a/U1RXb
B8/SCL1b/CANRX
B9/SDA1b/CANTX
5V
GND
3V3
nRESET
B11/SDA2/U3RX
B10/SCL2/U3TX
B1
B0
A7/MOSI1
A6/MISO1
A5/SCK1
A4/NSS1
A3/U2RX
A2/U2TX
A1
A0/WKUP
C15/OSC32_OUT
C14/OSC32_IN
C13
VBAT
U2
RFM95HW
ANA
NSS
MOSI
MISO
SCK
RESET
DIO0
DIO1
DIO2
DIO3
DIO4
DIO5
3.3V
C1
100µ
C2
100n
J3
CONN_01X17
J4
CONN_01X03
J5
CONN_01X03
J6
CONN_01X01
J7
CONN_01X14
J8
CONN_01X05
J9
CONN_01X05
PWR_FLAG
VCC
Batt
2.4V (2x AA(A) NiMH) or
3.6V (3x AA(A) NiMH) or ...
J1
D1
BAT85
Solar
Solar Panel (4V – ..)
J2
R1
100k
R2
100k
P26
http://v7f.eu
Sheet: /
File: STM-LORA.sch
Title: STM32 RFM95 Proto Board
Size: A4
Date: 2017-04-01
Rev: 0.1
KiCad E.D.A. kicad 4.0.6-e0-634953ubuntu16.04.1
Id: 1/1