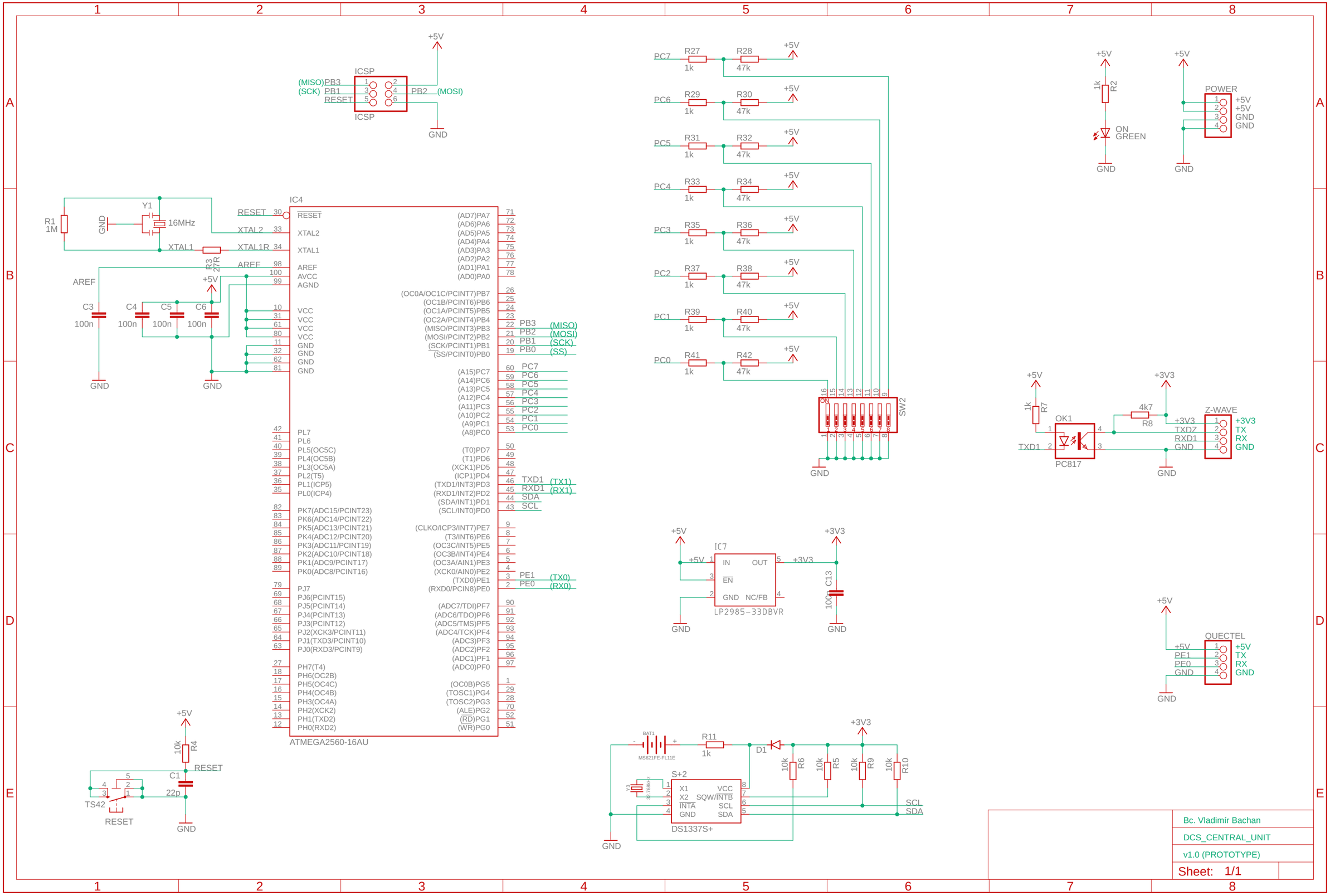
ICSP
(MISO)PB3
(SCK) PB1
RESET
PB2 (MOSI)
+5V
GND
IC4
ATMEGA2560-16AU
RESET
XTAL2
XTAL1
AREF
AVCC
AGND
VCC
GND
PB3 (MISO)
PB2 (MOSI)
PB1 (SCK)
PB0 (SS)
PC7
PC6
PC5
PC4
PC3
PC2
PC1
PC0
TXD1 (TX1)
RXD1 (RX1)
SDA
SCL
PE1 (TX0)
PE0 (RX0)
Y1
16MHz
R1
1M
R3
27R
C3
100n
C4
C5
C6
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
1k
47k
SW2
ON
R2
ON
GREEN
POWER
+5V
GND
OK1
PC817
R7
R8
4k7
+3V3
TXD1
TXD7
RXD1
Z-WAVE
TX
RX
IC7
LP2985-33DBVR
IN
OUT
EN
GND
NC/FB
C13
QUECTEL
R4
10k
C1
22p
TS42
RESET
BAT1
MS621FE-FL11E
R11
D1
R6
R5
R9
R10
S+2
X1
X2
INTA
VCC
SQW/INTB
SCL
SDA
DS1337S+
Bc. Vladimír Bachan
DCS_CENTRAL_UNIT
v1.0 (PROTOTYPE)
Sheet: 1/1