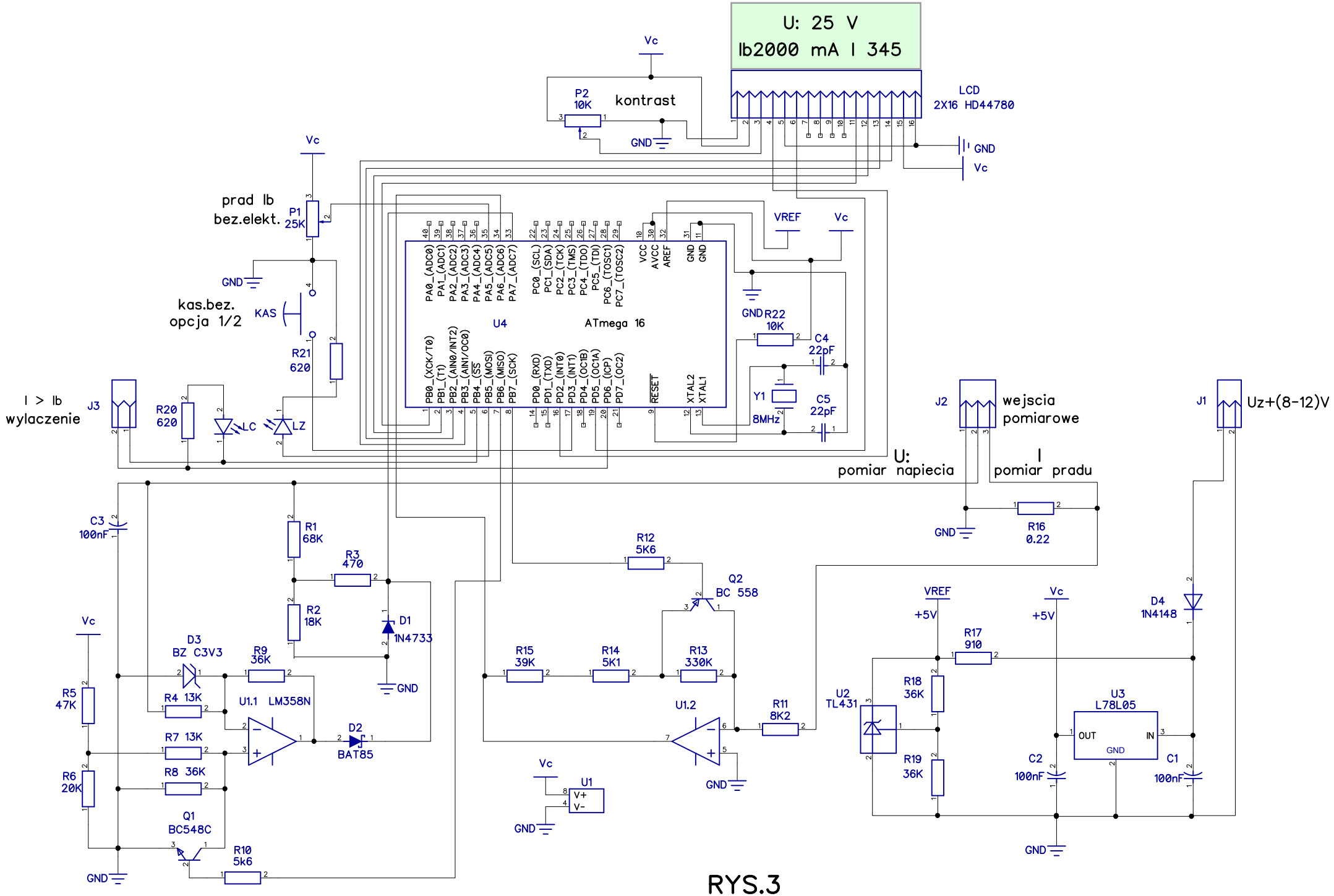
U: 25 V
Ib2000 mA I 345
LCD
2X16 HD44780
P2
10K
kontrast
Vc
GND
prad Ib
bez.elekt.
P1
25K
kas.bez.
opcja 1/2
KAS
R21
620
R20
620
LC
LZ
J3
I > Ib
wylaczenie
U4
ATmega 16
VREF
AVCC
AREF
R22
10K
C4
22pF
C5
22pF
Y1
8MHz
J2
wejscia
pomiarowe
U:
pomiar napiecia
I
pomiar pradu
R16
0.22
J1
Uz+(8-12)V
C3
100nF
R1
68K
R3
470
R2
18K
D1
1N4733
D3
BZ C3V3
R9
36K
R4 13K
R7 13K
R8 36K
R5
47K
R6
20K
U1.1 LM358N
D2
BAT85
Q1
BC548C
R10
5k6
R12
5K6
Q2
BC 558
R15
39K
R14
5K1
R13
330K
U1.2
R11
8K2
U1
V+
V-
D4
1N4148
R17
910
+5V
R18
36K
R19
36K
U2
TL431
U3
L78L05
OUT
IN
C2
100nF
C1
100nF

RYS.3