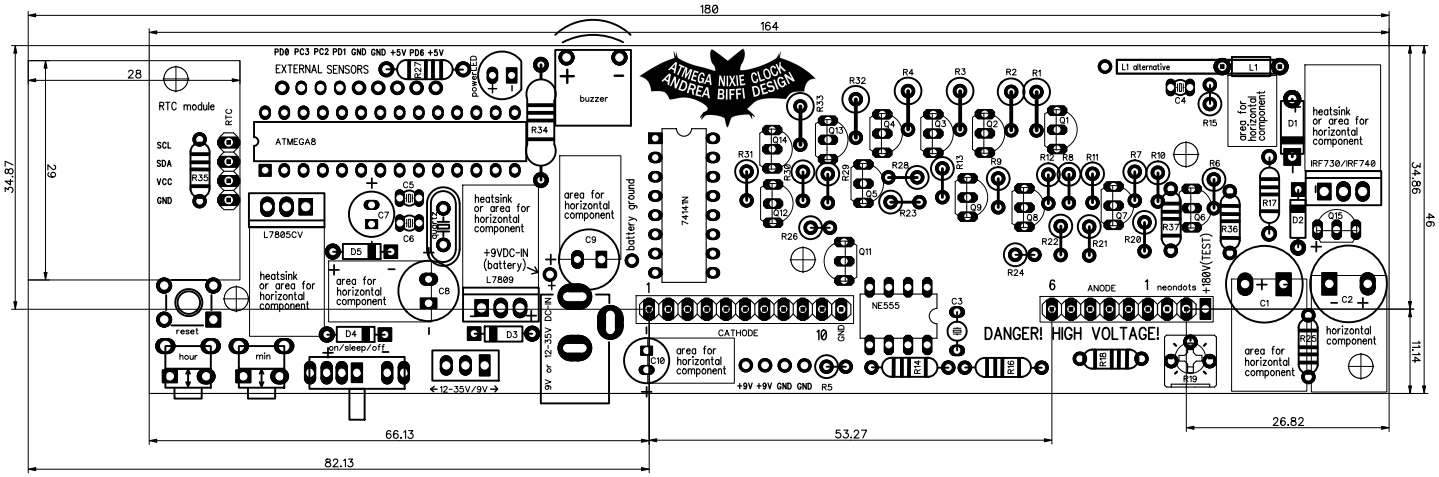
180
164
28
29
34.87
34.86
46
11.14
26.82
66.13
53.27
82.13
PD0 PC3 PC2 PD1 GND GND +5V PD6 +5V
EXTERNAL SENSORS
RTC module
SCL
SDA
VCC
GND
RTC
R35
ATMEGA8
L7805CV
C5
C7
C6
C8
D5
D4
D3
reset
hour
min
on/sleep/off
heatsink or area for horizontal component
area for horizontal component
POWERLED
R20
R34
buzzer
heatsink or area for horizontal component
+9VDC-IN (battery)
L7809
C9
area for horizontal component
battery ground
9V or 12-35V DC-IN
←12-35V/9V→
ATMEGA NIXIE CLOCK
ANDREA BIFFI DESIGN
7414IN
CATHODE
GND
C10
area for horizontal component
+9V +9V GND GND
R5
R32
R4
R3
R2
R1
R33
Q14
Q13
Q4
Q3
Q2
Q1
R31
R30
R29
R28
R13
R9
R12
R8
R11
R7
R10
R6
Q12
R26
Q11
R23
Q9
Q6
R22
R21
Q7
R20
Q5
R37
R36
R24
NE555
C3
R14
R16
R18
R19
DANGER! HIGH VOLTAGE!
ANODE
neondots
+180V(TEST)
L1 alternative
L1
C4
R15
area for horizontal component
D1
heatsink or area for horizontal component
IRF730/IRF740
R17
D2
D15
C1
C2
R25
horizontal component
area for horizontal component