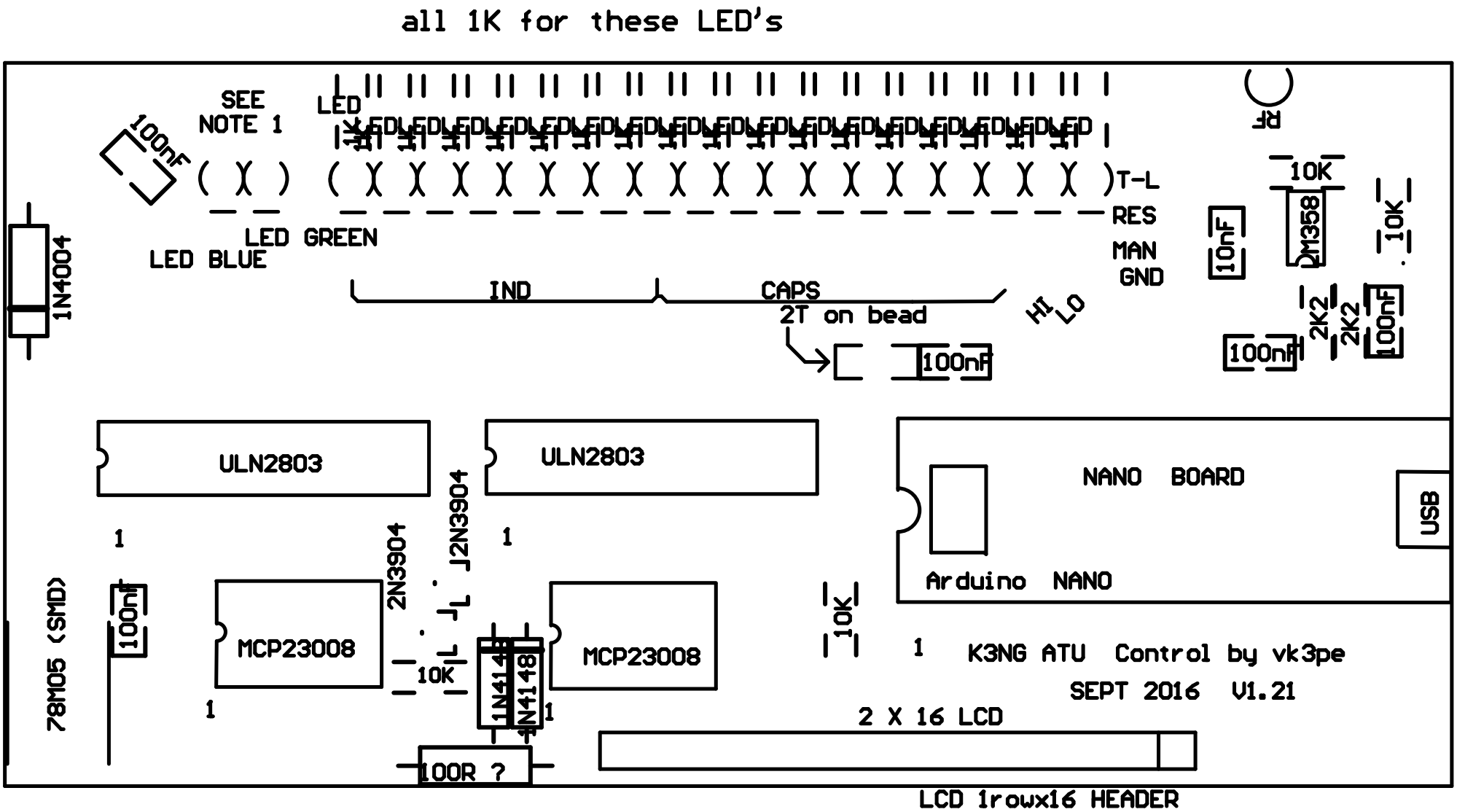
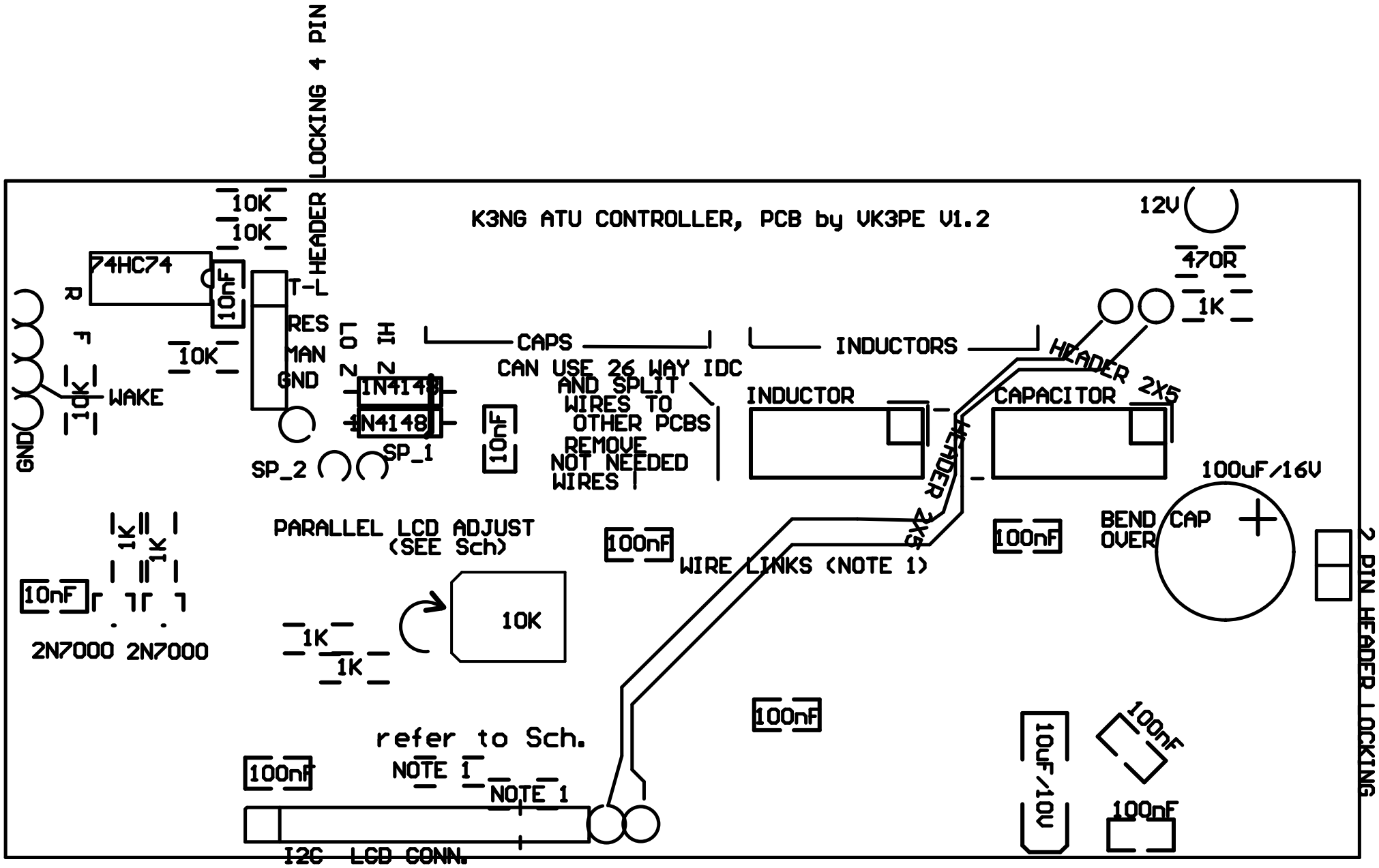

all 1K for these LED's
SEE NOTE 1
LED
100nF
1N4004
LED GREEN
LED BLUE
T-L
RES
MAN
GND
IND
CAPS
2T on bead
HI
LO
100nF
RF
10K
LM358
10K
10nF
2K2
2K2
100nF
100nF
ULN2803
ULN2803
NANO BOARD
USB
Arduino NANO
2N3904
2N3904
78M05 (SMD)
100nF
MCP23008
MCP23008
10K
1N4148
1N4148
10K
K3NG ATU Control by vk3pe
SEPT 2016 V1.21
2 X 16 LCD
100R ?
LCD 1rowx16 HEADER


K3NG ATU CONTROLLER, PCB by VK3PE V1.2
4 PIN LOCKING HEADER
2 PIN HEADER LOCKING
12V
470R
1K
10K
10K
74HC74
10nF
T-
RES
MAN
GND
LO Z
HI Z
R
F
10K
10K
WAKE
GND
1N4148
1N4148
SP_1
SP_2
10nF
CAPS
CAN USE 26 WAY IDC
AND SPLIT
WIRES TO
OTHER PCBS
REMOVE
NOT NEEDED
WIRES
INDUCTORS
INDUCTOR
CAPACITOR
HEADER 2X5
HEADER 2X5
100uF/16V
BEND CAP
OVER
100nF
100nF
WIRE LINKS (NOTE 1)
PARALLEL LCD ADJUST
(SEE Sch)
1K
1K
10nF
2N7000 2N7000
1K
1K
10K
100nF
refer to Sch.
NOTE 1
NOTE 1
100nF
I2C LCD CONN.
10uF/10V
100nF
100nF