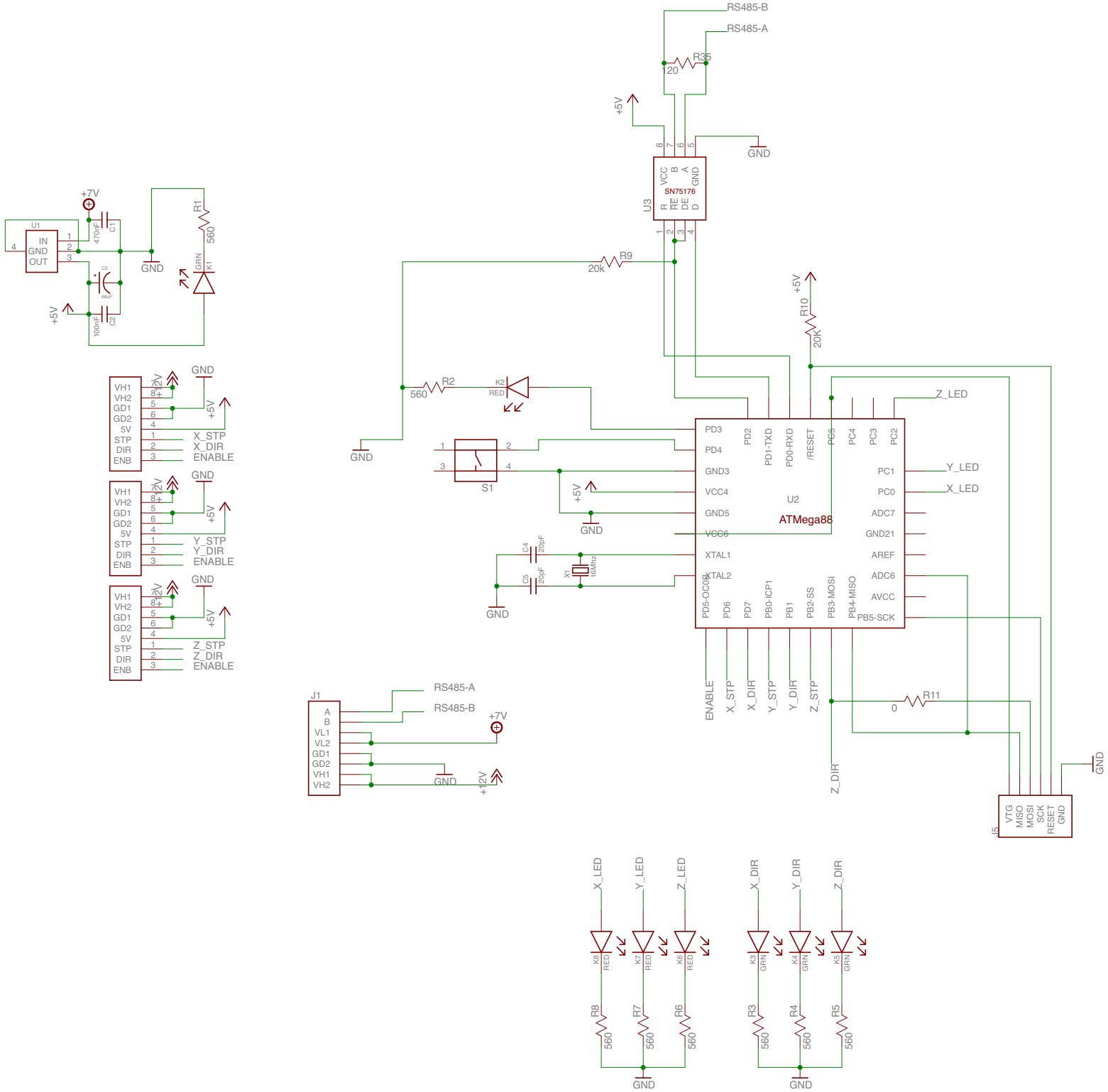
RS485-B
RS485-A
R35
120
+5V
GND
U3
SN75176
VCC
B
A
GND
R
RE
DE
D
R9
20k
R10
20k
+5V
+7V
U1
IN
GND
OUT
470nF
C1
68uF
C3
100nF
C2
R1
560
GRN
K1
GND
+5V
VH1
VH2
GD1
GD2
5V
STP
DIR
ENB
+12V
X_STP
X_DIR
ENABLE
Y_STP
Y_DIR
ENABLE
Z_STP
Z_DIR
ENABLE
R2
560
K2
RED
GND
S1
+5V
GND
C4
20pF
C5
20pF
X1
16Mhz
GND
PD3
PD4
GND3
VCC4
GND5
VCC6
XTAL1
XTAL2
PD5-OC0B
PD6
PD7
PB0-ICP1
PB1
PB2-SS
PB3-MOSI
PB4-MISO
PB5-SCK
AVCC
ADC6
AREF
GND21
ADC7
PC0
PC1
PC2
PC3
PC4
PC5
/RESET
PD0-RXD
PD1-TXD
PD2
U2
ATMega88
Z_LED
Y_LED
X_LED
ENABLE
X_STP
X_DIR
Y_STP
Y_DIR
Z_STP
Z_DIR
R11
0
J1
A
B
VL1
VL2
GD1
GD2
VH1
VH2
RS485-A
RS485-B
+7V
GND
+12V
J5
VTG
MISO
MOSI
SCK
RESET
GND
GND
X_LED
Y_LED
Z_LED
X_DIR
Y_DIR
Z_DIR
K8
K7
K6
K3
K4
K5
RED
GRN
R8
R7
R6
R3
R4
R5
560
GND
GND