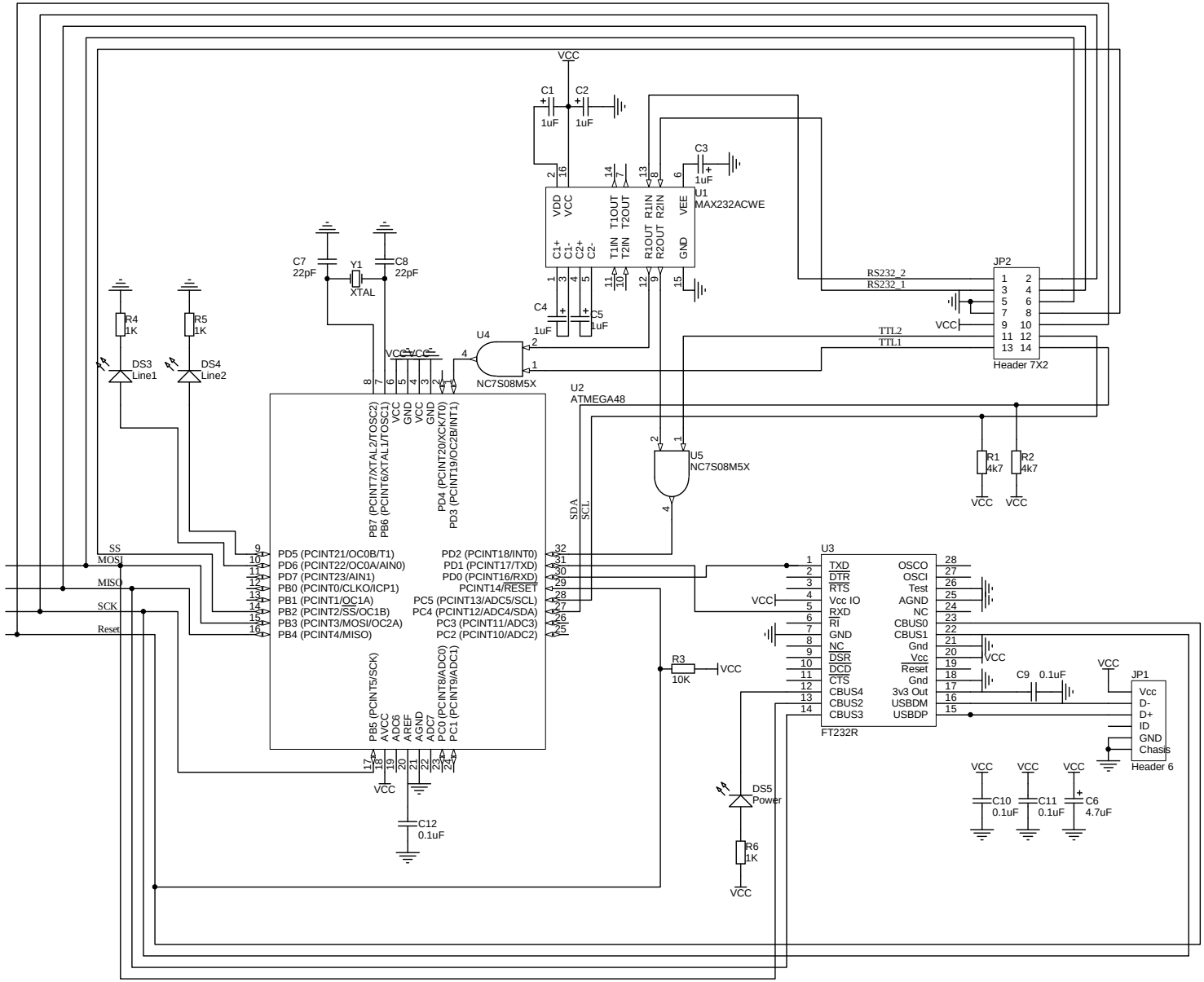
VCC
C1
1uF
C2
1uF
C3
1uF
U1
MAX232ACWE
VDD
VCC
C1+
C1-
C2+
C2-
T1IN
T2IN
T1OUT
T2OUT
R1OUT
R2OUT
R1IN
R2IN
VEE
GND
C4
1uF
C5
1uF
C7
22pF
C8
22pF
Y1
XTAL
R4
1K
R5
1K
DS3
Line1
DS4
Line2
U4
NC7S08M5X
U2
ATMEGA48
U5
NC7S08M5X
JP2
RS232_2
RS232_1
TTL2
TTL1
Header 7X2
R1
4k7
R2
4k7
SDA
SCL
SS
MOSI
MISO
SCK
Reset
PB7 (PCINT7/XTAL2/TOSC2)
PB6 (PCINT6/XTAL1/TOSC1)
PD4 (PCINT20/XCK/T0)
PD3 (PCINT19/OC2B/INT1)
PD5 (PCINT21/OC0B/T1)
PD6 (PCINT22/OC0A/AIN0)
PD7 (PCINT23/AIN1)
PB0 (PCINT0/CLKO/ICP1)
PB1 (PCINT1/OC1A)
PB2 (PCINT2/SS/OC1B)
PB3 (PCINT3/MOSI/OC2A)
PB4 (PCINT4/MISO)
PD2 (PCINT18/INT0)
PD1 (PCINT17/TXD)
PD0 (PCINT16/RXD)
PCINT14/RESET
PC5 (PCINT13/ADC5/SCL)
PC4 (PCINT12/ADC4/SDA)
PC3 (PCINT11/ADC3)
PC2 (PCINT10/ADC2)
PB5 (PCINT5/SCK)
AVCC
ADC6
AREF
AGND
ADC7
PC0 (PCINT8/ADC0)
PC1 (PCINT9/ADC1)
C12
0.1uF
R3
10K
U3
TXD
DTR
RTS
Vcc IO
RXD
RI
GND
NC
DSR
DCD
CTS
CBUS4
CBUS2
CBUS3
OSCO
OSCI
Test
AGND
NC
CBUS0
CBUS1
Gnd
Vcc
Reset
Gnd
3v3 Out
USBDM
USBDP
FT232R
C9
0.1uF
JP1
Vcc
D-
D+
ID
GND
Chasis
Header 6
C10
0.1uF
C11
0.1uF
C6
4.7uF
DS5
Power
R6
1K