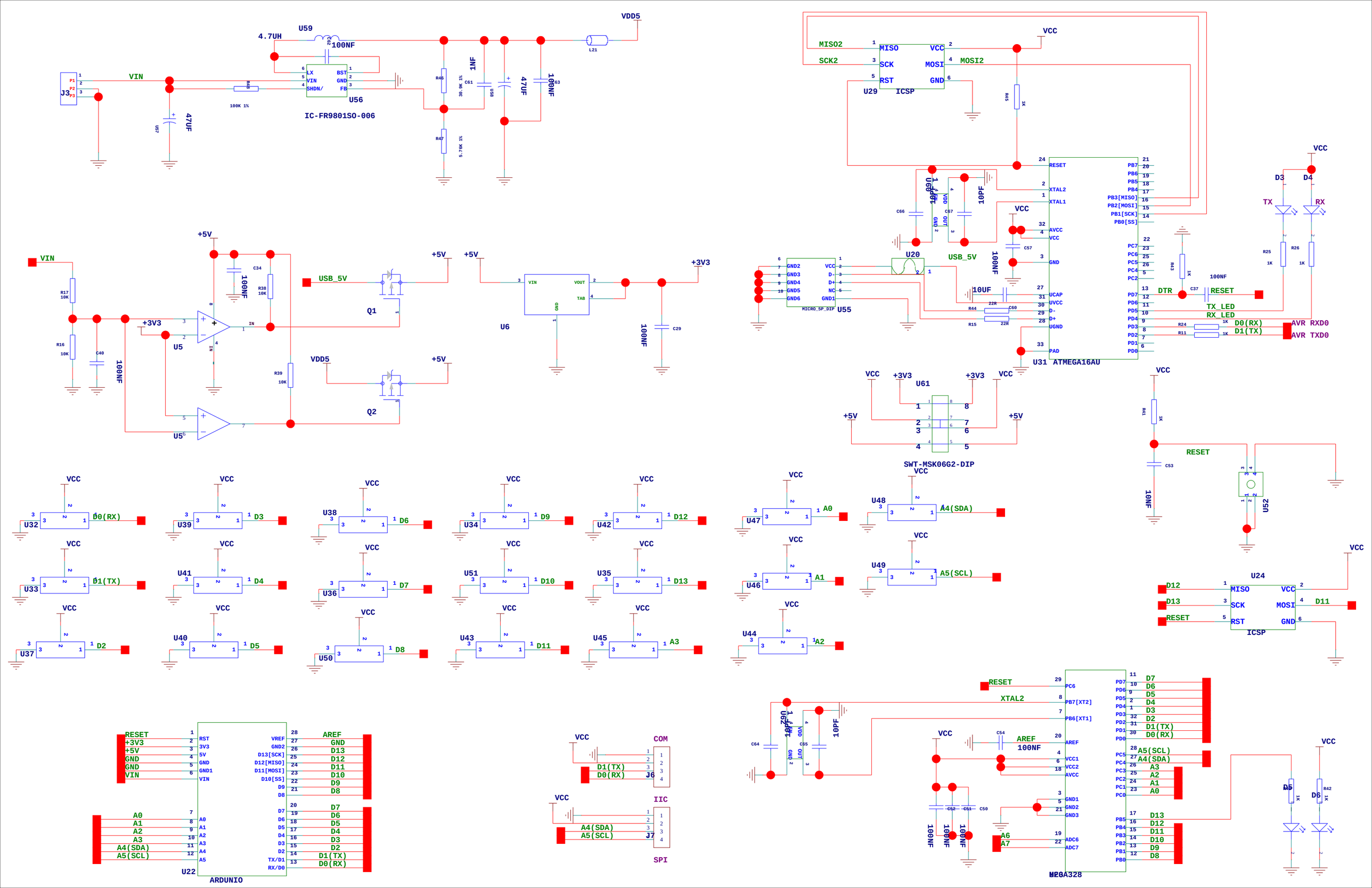
VDD5
U59
4.7UH
100NF
L21
J3
VIN
R48
100K 1%
47UF
C57
U56
IC-FR9801SO-006
LX
VIN
SHDN/
BST
GND
FB
R46
30.0K 1%
C61
1NF
C59
47UF
C63
100NF
R47
5.76K 1%
MISO2
SCK2
MISO
SCK
RST
VCC
MOSI
GND
MOSI2
U29
ICSP
R45
1K
RESET
XTAL2
XTAL1
AVCC
VCC
GND
UCAP
UVCC
D-
D+
UGND
PAD
U31 ATMEGA16AU
PB7
PB6
PB5
PB4
PB3[MISO]
PB2[MOSI]
PB1[SCK]
PB0[SS]
PC7
PC6
PC5
PC4
PC2
PD7
PD6
PD5
PD4
PD3
PD2
PD1
PD0
C66
U60
C67
10PF
C57
100NF
U20
USB_5V
10UF
R44
22R
C60
R15
22R
GND2
GND3
GND4
GND5
GND6
VCC
D-
D+
NC
GND1
MICRO_5P_DIP
U55
D3
D4
TX
RX
R25
1K
R26
1K
R43
1K
C37
100NF
DTR
RESET
TX_LED
RX_LED
R24
1K
D0(RX)
R11
1K
D1(TX)
AVR RXD0
AVR TXD0
+5V
C34
100NF
R38
10K
IN
R17
10K
R16
10K
C40
100NF
+3V3
U5
R39
10K
USB_5V
Q1
VDD5
Q2
VIN
VOUT
TAB
GND
U6
C29
100NF
U61
SWT-MSK06G2-DIP
R41
1K
C53
10NF
U52
U24
MISO
SCK
RST
VCC
MOSI
GND
ICSP
D12
D13
RESET
D11
U32
D0(RX)
U39
D3
U38
D6
U34
D9
U42
D12
U47
A0
U48
A4(SDA)
U33
D1(TX)
U41
D4
U36
D7
U51
D10
U35
D13
U46
A1
U49
A5(SCL)
U37
D2
U40
D5
U50
D8
U43
D11
U45
A3
U44
A2
RST
3V3
5V
GND
GND
VIN
AREF
GND
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1(TX)
D0(RX)
A0
A1
A2
A3
A4(SDA)
A5(SCL)
U22
ARDUNIO
COM
D1(TX)
D0(RX)
J6
IIC
A4(SDA)
A5(SCL)
J7
SPI
U62
C64
C65
10PF
C54
AREF
100NF
C52
C51
C50
100NF
A6
A7
PC6
PB7[XT2]
PB6[XT1]
AREF
VCC1
VCC2
AVCC
GND1
GND2
GND3
ADC6
ADC7
ATMEGA328
D5
D6
R42
1K