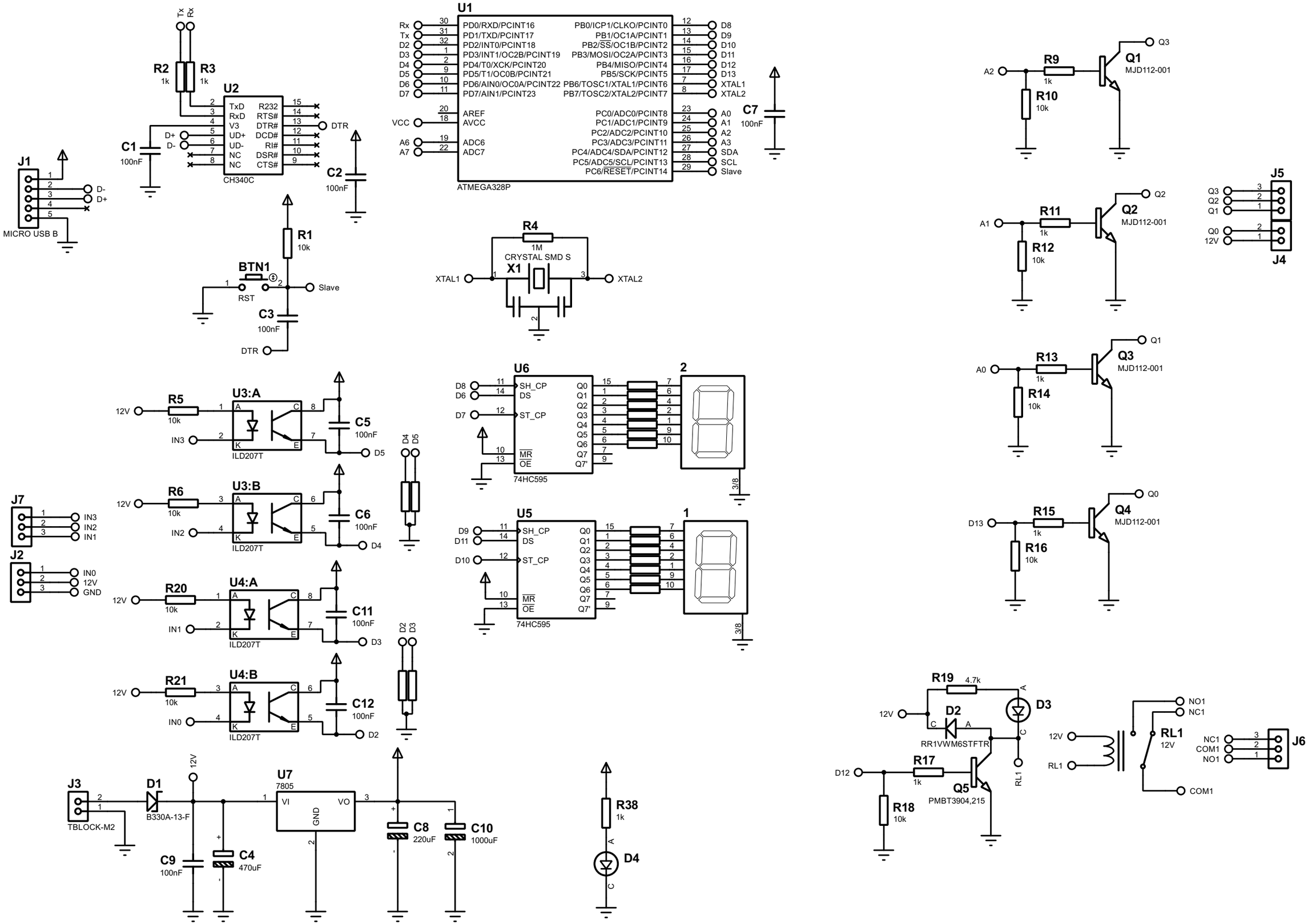
U1
ATMEGA328P
PD0/RXD/PCINT16
PD1/TXD/PCINT17
PD2/INT0/PCINT18
PD3/INT1/OC2B/PCINT19
PD4/T0/XCK/PCINT20
PD5/T1/OC0B/PCINT21
PD6/AIN0/OC0A/PCINT22
PD7/AIN1/PCINT23
AREF
AVCC
ADC6
ADC7
PB0/ICP1/CLKO/PCINT0
PB1/OC1A/PCINT1
PB2/SS/OC1B/PCINT2
PB3/MOSI/OC2A/PCINT3
PB4/MISO/PCINT4
PB5/SCK/PCINT5
PB6/TOSC1/XTAL1/PCINT6
PB7/TOSC2/XTAL2/PCINT7
PC0/ADC0/PCINT8
PC1/ADC1/PCINT9
PC2/ADC2/PCINT10
PC3/ADC3/PCINT11
PC4/ADC4/SDA/PCINT12
PC5/ADC5/SCL/PCINT13
PC6/RESET/PCINT14
U2
CH340C
TxD
RxD
V3
UD+
UD-
NC
NC
R232
RTS#
DTR#
DCD#
RI#
DSR#
CTS#
J1
MICRO USB B
R1
10k
BTN1
RST
Slave
C1
100nF
C2
100nF
C3
100nF
R2
1k
R3
1k
R4
1M
CRYSTAL SMD S
X1
XTAL1
XTAL2
C7
100nF
U3:A
U3:B
U4:A
U4:B
ILD207T
R5
R6
R20
R21
10k
C5
C6
C11
C12
100nF
J7
IN3
IN2
IN1
J2
IN0
12V
GND
U6
U5
74HC595
SH_CP
DS
ST_CP
MR
OE
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q7'
R9
R10
R11
R12
R13
R14
R15
R16
1k
10k
Q1
Q2
Q3
Q4
MJD112-001
J5
J4
J3
TBLOCK-M2
D1
B330A-13-F
U7
7805
VI
VO
GND
C9
100nF
C4
470uF
C8
220uF
C10
1000uF
R38
1k
D4
R19
4.7k
D2
D3
RR1VWM6STFTR
R17
R18
Q5
PMBT3904,215
RL1
NO1
NC1
COM1
J6