EPROM
JP7
Jumper
FLASH
100nF C14
J12
Conn

U1
U1
M27C2001-10F1

U2
U2
AS6C4008-55PCN

U3
U3
AS6C4008-55PCN

100nF C16
100nF C15

Conn_01x11 J8
Conn_01x11

Arduino shields

Y2
XTAL 16 MHz Y2
C3 22 pF
C4 22 pF
1k R3 R2 1k

ATmega328P-PU
100nF C18
100nF C13

ICSP
J10
D5
K
1N4006
J8
Conn_02x03

XTAL 18.432 MHz
Y1
Y1
C1 22 pF
C2 22 pF
C25

R10 10k
U4
MCP130-450FITO
1uF
R5 R4 R4
Reset
Conn

IC1
D2
LED

C20
100nF IC1
Z8018010VSC

R17 10k
R18 10k
R19 10k
R8 10k
R11 10k
R14 10k
R16 10k
R13 10k
R15 10k

Jumper Jumper Jumper Jumper
JP3 JP4 JP5 JP6

U9
74LS74

U10
74LS74

R12 1k
D4 LED

1k R9
D3 LED

U5
U5
ATF22V10C

JP1 JP2
100nF
Tx
R1
Res_sel

D1
LED
R6
R7
BC182
1uF C28

C29
100nF

U6
C12
1uF C5
1uF C7
C10
1uF
1uF
C6
MAX232
RS-232_0
J3
Conn_to_9_pin_Dsub

U7
C11
1uF
1uF C8
C9
1uF
MAX232
RS-232_1
J4
Conn_to_9_pin_Dsub

C17

C19

Power   +
C36
J9
Screw_Terminal
−

microSD_0
J1
SD_Card_0

microSD_1
J2
SD_CARD_1

J5
Conn_01x08
J7
Conn_01x06