POWER_JACKPTH_LOCK

JP2
PB4   1   2   VCC
PB5   3   4   PB3
RESET 5   6   GND

VCC
GND
J1

JP5
RESET   1
3.3   2
VCC   3
GND   4
        5
VIN   6

FTDI_BASICPTH
RESET   DTR
PD1   RXI
PD0   TXO
VCC   VCC
        CTS
        GND
JP1
GND

VCC

U1
IN OUT
GND
EN BP

C5 1uF
3.3

GND   GND
MIC5219 3.3V

U2
RESET   1 PC6(/RESET)   PC0(ADC0) 23 A0   JP3
                         PC1(ADC1) 24 A1   1
        20 AVCC   PC2(ADC2) 25 A2   2
VCC   7 VCC   PC3(ADC3) 26 A3   3
                         PC4(ADC4/SDA) 27 A4 4
C1   PC5(ADC5/SCL) 28 A5 5
.1 uF   VCC21 AREF   6
GND

XTAL1   9 PB6(XTAL1/TOSC1) PD0(RXD) 2 D0   JP6
                             PD1(TXD) 3 D1   1
XTAL2   10 PB7(XTAL2/TOSC2) PD2(INT0) 4 D2   2
                             PD3(INT1) 5 D3   3
.1uF   PD4(XCK/T0) 6 D4 4
C4   PD5(T1)   11 D5   5
                             PD6(AIN0) 12 D6   6
                             PD7(AIN1) 13 D7   7

D13   PB0(ICP)   14 D8   JP4
R1   PB1(OC1A) 15 D9   1
1K   PB2(SS/OC1B) 16 D10 2
                             PB3(MOSI/OC2) 17 D11 3
        8 GND   PB4(MISO) 18 D12 4
LED1   22 GND   PB5(SCK)   19 D13 5
GND   GND   6
                                           GND 7
ATMEGA328P_PDIP   VCC   VCC 8

VCC

XTAL1
        Q1   C2 22pF
XTAL2
        C3 22pF
                  GND

VCC
R2   S1
RESET   10k   1   3
              2   4
                   GND

PART	VALUE	PACKAGE	DESCRIPTION
C1	0.1 uF		Through hole
C2	22 pF		Through hole
C3	22 pF		Through hole
C4	0.1 uF		Through hole
C5	1 uF	0805	SMD
R1	1 K		Through hole
R2	10 K		Through hole
LED1	Green	3mm	
Q1	16MHz	HC-49U	Crystal
S1			Tact switch
U1		SOT23-5	MIC5219 3.3V Voltage Regulator
U2		DIL28-3	ATMega328p Microcontroller

HaDuino
http://www.hackaday.com/HaDuino

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Document Number:
12876.432

REV:
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Date: 10/10/2013 12:36:45 PM   Sheet: 1/1