POWER
J2
+5V
100n 100n
C1 C2

A reset button is important for standalone mode
Power regulation is done by an add-on
Serial adaptation also done as an add-on

3K3
1K

1K
R2
D1
LED

+5V

ATmega8
SW1
RESET

SERIAL
J3
5
4
3
2
1

+5V

J1
10 PD2
9   PD3
8   PD4
7
6   PD5
5   PD6
4   PD7
3   PB0
2   PB1
1   PB2

SIL10

+5V

22p 22p
C3 C4
X1

1   /RESET,PC6   PC5,ADC5,SCL 28
2   PD0,RXD   PC4,ADC4,SDA 27
3   PD1,TXD   PC3,ADC3   26
4   PD2,INT0   PC2,ADC2   25
5   PD3,INT1   PC1,ADC1   24
6   PD4,XCK,T0   PC0,ADC0   23
7   VCC   GND   22
8   GND   AREF   21
9   PB6,XTAL1,TOSC1   AVCC   20
10 PB7,XTAL2,TOSC2   PB5,SCK   19
11 PD5,T1   PB4,MISO   18
12 PD6,AIN0   PB3,MOSI,OC2 17
13 PD7,AIN1   PB2,/SS,OC1B 16   PB2
14 PB0,ICP1   PB1,OC1A   15   PB1
U1

PD2
PD3
PD4

PD5
PD6
PD7
PB0

J4
1
2
3
4
5
6
7
8
9
10

SIL10

+5V

EDuino-B (breadboard)

EmbeddedDreams's view of a breadboard serial Arduino
http://EmbeddedDreams.com

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