VCC

GND

R2 10k

PWR_5V
FTDI_PWR

D2_AREF

ATMEGA328P-20

1	PC6(/RESET/PCI14)	(PCI8/ADC0)PC0	23	ANALOG_A0
22	AGND	(PCI9/ADC1)PC1	24	ANALOG_A1
21	AREF	(PCI10/ADC2)PC2	25	ANALOG_A2
20	AVCC	(PCI11/ADC3)PC3	26	ANALOG_A3
		(PCI12/ADC4/SDA)PC4	27	ANALOG_A4
		(PCI13/ADC5/SCL)PC5	28	ANALOG_A5

C1 100n

Q1 16MHz

9 PB6(XTAL1/TOSC1/PCI6)
10 PB7(XTAL2/TOSC2/PCI7)

C3 20pF   C2 20pF

(PCI16/RXD)PD0   2   D1_0 / FTDI_TX
(PCI17/TXD)PD1   3   FTDI_RX / D1_1
(PCI18/INT0)PD2   4   D1_2
(PCI19/INT1/OC2B)PD3 5 D1_3
(PCI20/XCK/T0)PD4   6   D1_4
(PCI21/T1/OC0B)PD5 11   D1_5
(PCI22/AIN0OC0A)PD6 12 D1_6
(PCI23/AIN1)PD7   13   D1_7

GND

7 VCC

FTDI_DTR

C6 100n

(PCI0/ICP/CLKO)PB0   14   D2_8
(PCI1/OC1A/OC1S)PB1 15   D2_9
(PCI2/SS/OC1B)PB2   16   D2_10
(PCI3/MOSI/OC2A)PB3 17   D2_11
(PCI4/MISO)PB4   18   D2_12
(PCI5/SCK)PB5   19   D2_13

IC1

FTDI_GND
D2_GND
PWR_GND1
PWR_GND2
FTDI_CTS

PWR_RESET

S1   3*2

1*2

R3 1k

LED2

C4 100n   C5 1uF

R1 1k

LED1

nanino rlx

based on nanino by Johan von Konow

http://vonkonow.com/wordpress/2012/10/nanino-the-diy-friendly-arduino/

rlx variant by Robelix <roland@robelix.com>

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