

Atmega328-based AVR Programmer v1.1

Simple Atmega328-based AVR programmer with ISP and FTDI breakout

I made it to have a dedicated board containing Nick Gammon's Arduino sketch for bootloading.

Bill of Materials

Ref	Qty	Description	Digikey PN
C2 C3	2	CAP CER 22pF 100V C0G NP0 0603	399-11145-1-ND
C4	1	CAP CER 1uF 25V X7R 0603	587-2984-1-ND
C5 C6 C1	3	CAP CER 0.1uF 100V X7R 0603	490-3285-1-ND
J1	1	HEADER MALE 6POS TH 1x06 0.1"	952-1902-ND
J2	1	HEADER MALE 6POS 2x3 0.1"	952-1921-ND
R1	1	RES SMD 10K OHM 5% 1/8W 0805	311-10KARCT-ND
S1	1	SWITCH TACTILE SPST-NO 0.05A 12V	SW1020CT-ND
S2	1	SWITCH SLIDE SPDT 200MA 30V	EG1903-ND
U1	1	IC MCU 8BIT 32KB FLASH 32TQFP	ATMEGA328P-AU-ND
X1	1	CRYSTAL 16MHz 18pF 40 OHM 4SMD	CTX1206CT-ND

Assembly Diagram
AVR Programmer v1.1
2/9/17

