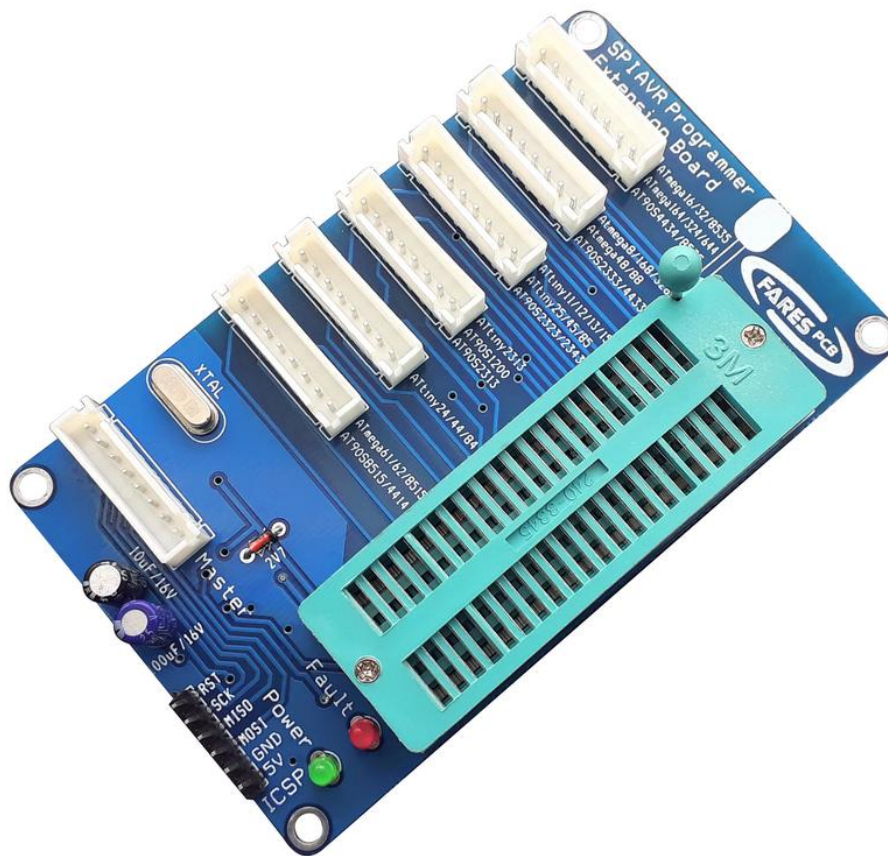




SPI AVR Programmer Extension Board

General Description

SPI AVR Programmer Extension Board is an extension board for any SPI AVR programmer enable user to burn code on any type of AVR microcontroller in DIP package on only one ZIF socket.

Features

- Compatible with any SPI AVR programmer.
- Supports a wide range of AVR microcontroller chips such as ATmega8, ATmega16, ATmega32, ATmega328, etc.
- No external power required.
- Over current protection that may result from chip mispositioning or chip damaging.
- Red indicator LED for fault alarming.
- Green indicator LED for power.
- External crystal oscillator included.

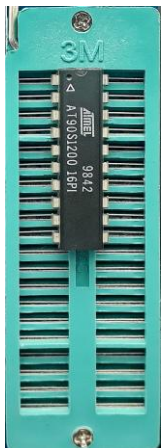
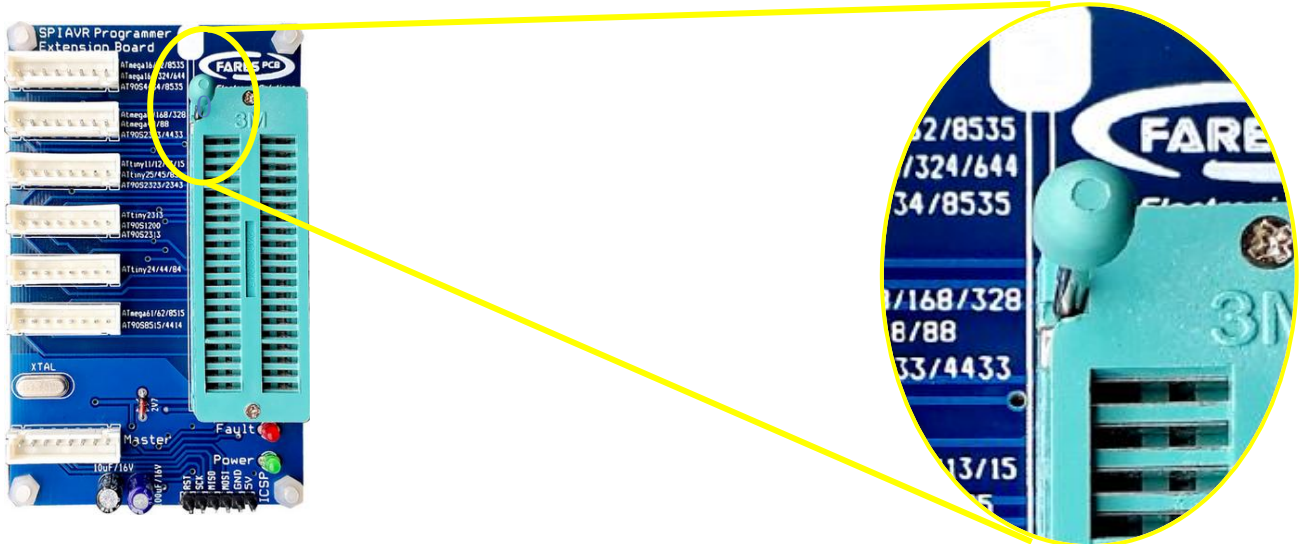
SPI AVR Programmer Extension Board



SPI AVR Programmer Extension Board

Hardware Installation

1. Unlock the ZIF socket using the lever.
2. Insert your microcontroller into the ZIF socket and lock it.
(**Note that** the notch of any target microcontroller is aligned to the first pin of the ZIF socket beside the lever)



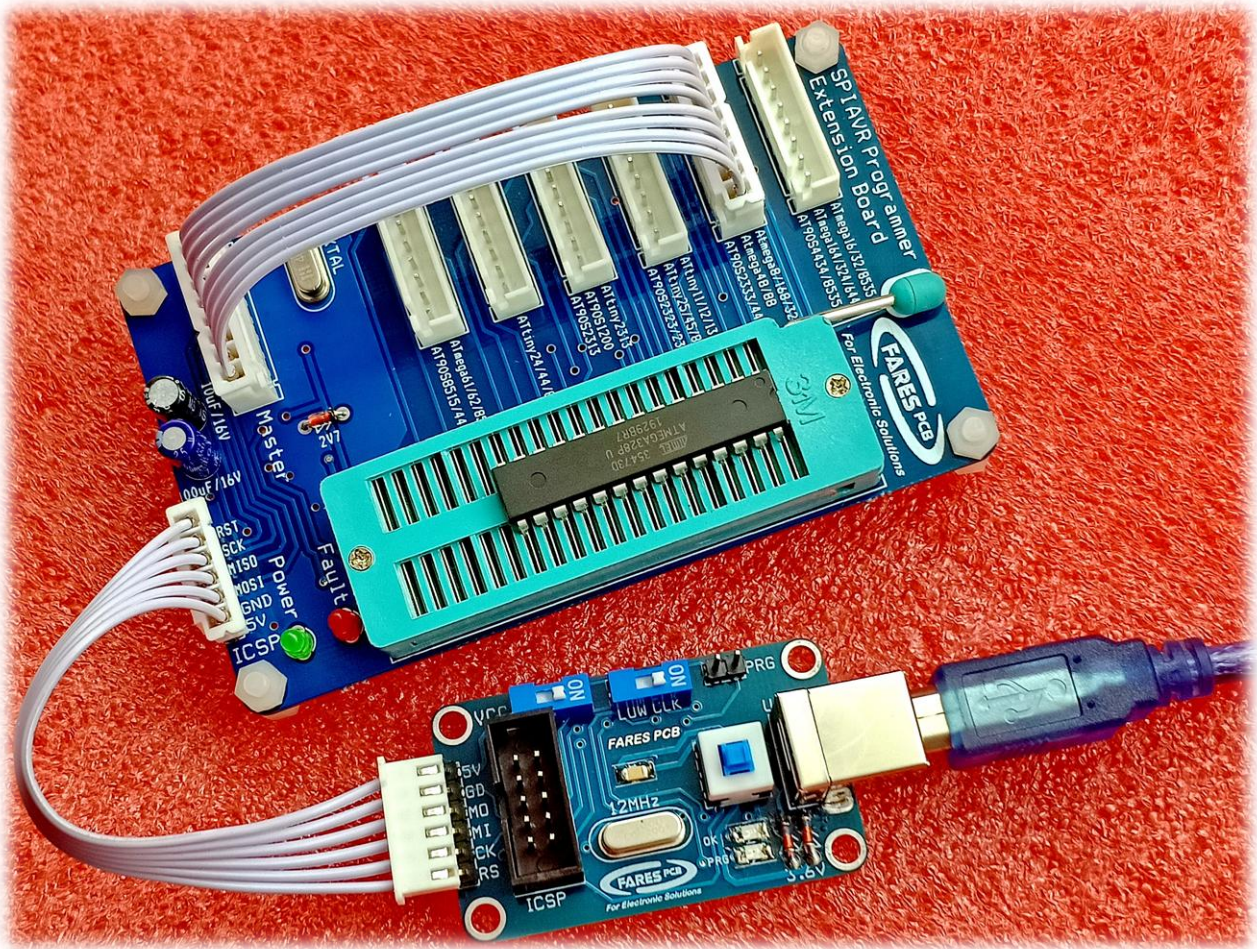
3. Connect the master socket to the proper target socket using the 8-pin flat cable.
4. Connect ICSP socket in SPI AVR board to the corresponding ICSP socket in programmer board using the 6-pin flat cable.
5. Connect the programmer board to PC (**note that** the power LED will be on).

CAUTION

- In case of overcurrent, the fault LED will be on, this may occur in three conditions:
 - Chip mispositioning on ZIF socket.
 - Chip damaging.
 - Wrong plugging of ICSP cable.

Supported Chips

Socket number	Chip Num						
1	ATmega16	ATmega32	ATmega8535	ATmega164	ATmega324	ATmega644	
	AT90S4434	AT90S8535					
2	ATmega8	ATmega168	ATmega328	ATmega48	ATmega88		
	AT90S2333	AT90S4433					
3	ATtiny11	ATtiny12	ATtiny13	ATtiny15	ATtiny25	ATtiny45	ATtiny85
	AT90S2323	AT90S2343					
4	ATtiny2313						
	AT90S1200	AT90S2313					
5	ATtiny24	ATtiny44	ATtiny84				
6	ATmega61	ATmega62	ATmega8515				
	AT90S8515	AT90S4414					



SPI AVR Programmer Extension Board with programmer

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