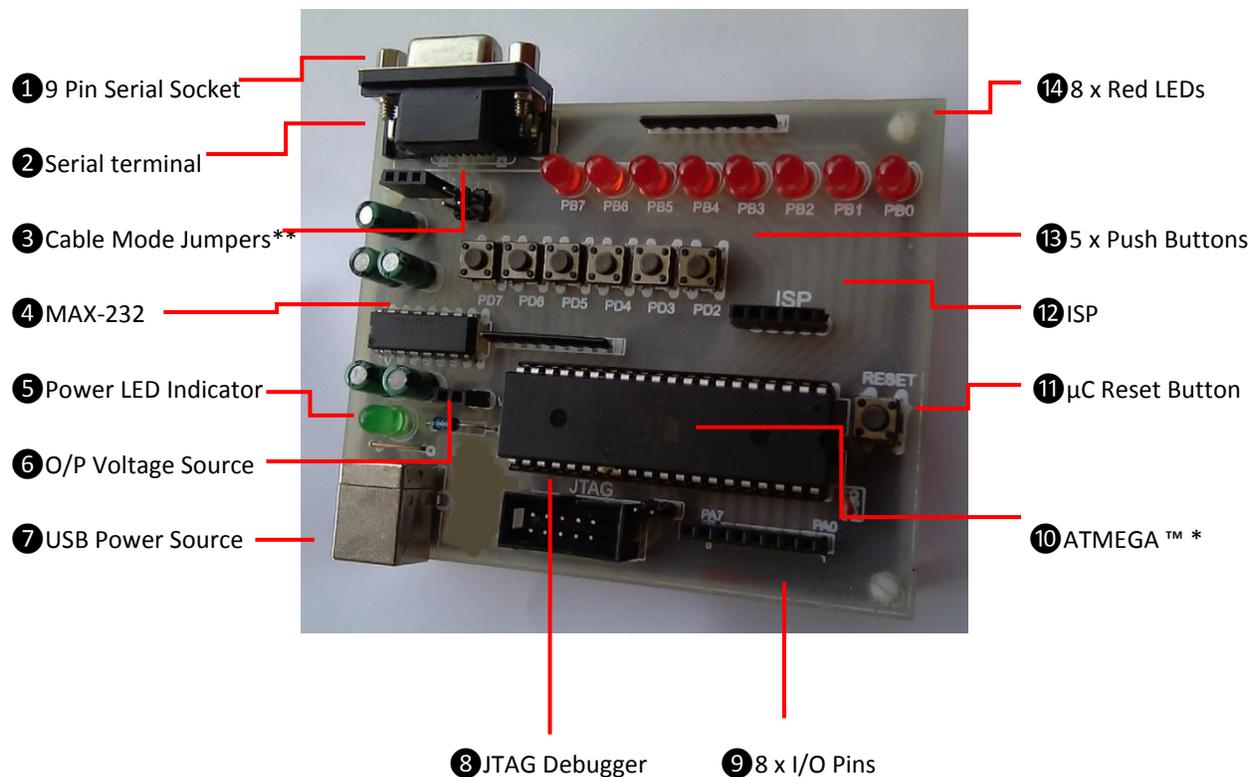


AVR Starter Kit

The AVR Starter Kit gives designers a quick start to develop code on the AVR combined with features for using the starter kit to develop prototypes and test new designs directly on a variety of peripherals, using any AVR programmer the designer can reprogram the Microcontroller directly using the ISP socket without the need to dismantle the controller from the kit, the AVR Starter Kit's power source comes from the USB socket, all is needed to done is design the software, program the microcontroller with the ISP and you're ready to go.



*ATMEGA 16/16L/32/32L/8535.

** the cable that can be used can be either straight or cross over, using 2 jumpers on the 2 x 2 pin headers can setup the serial socket to work on either of the cables.



- ✓ The AVR starter kit is designed to make it so easy to interface and testing the software design, instead of connecting the peripherals and the microcontroller on a bread Board and connecting the wires, use the already made peripherals on the AVR kit and just make the code, all is needed to be done is plugging the USB socket (7) with the PC for the power source, also the AVR kit has implemented 2 female pin header pins to use the USB power source (5VDC & GND) (6) to use for any external device.
- ✓ The AVR starter kit is designed with a 9 pin female serial socket (1), connected to pins 14 & 15 on the microcontroller (10) via MAX 232 IC (4), and for making it easier the AVR Starter Kit is embedded with Cable mode jumpers (3) that can make you use either cross over or straight cable for interfacing with the PC.
- ✓ The AVR starter kit has a JTAG Debugger (8), using it will facilitate the debugging live as the code is active letting the designer monitor the variables and the memory status while the microcontroller is running.
- ✓ The AVR starter kit has implemented port a (9) pins PA0-PA7 for I/O purposes through female pin headers, interfacing with it is done using any TTL wires.
- ✓ The AVR starter kit has implemented ISP port (12), letting the designer reprogram the Microcontroller directly using without the need to dismantle the controller from the kit.
- ✓ The AVR starter kit has implemented 6 push button switches (13) on pins PD2-PD7, already implemented with pull-down resistors, letting the designer just implement the appropriate code to interface with the switches.
- ✓ The AVR starter kit has implemented 8 Red LEDs on port B (14), pins PB0-PB7