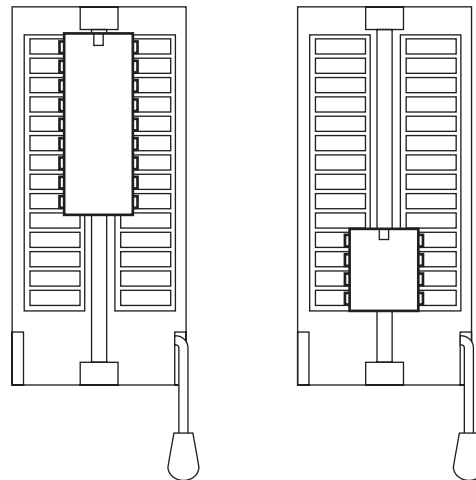


PICAXE PROGRAMMER

AXE080 PICAXE Programmer

Contents:

- PCB PICAXE Programmer PCB
- R1 22k resistor (red red orange gold)
- R2 10k resistor (brown black orange gold)
- C1 100nF polyester capacitor
- RG1 78L05 5V voltage regulator
- ZIF1 28 pin ZIF socket
- SW1 switch
- CONN1 9d female socket
- CONN2 stereo download socket
- BT1 9V Battery Holder + 3 M2.5 screws



Description:

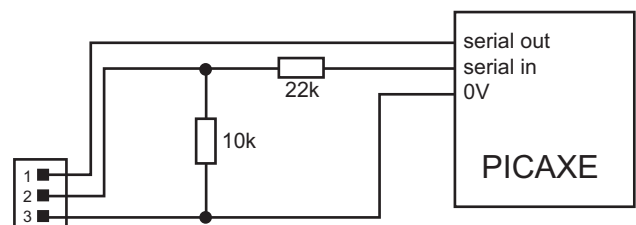
The PICAXE programmer enables the user to program PICAXE-08 and PICAXE-18 chips for installation on circuit boards which do not have the standard download connector fitted. Note that the programmer does not support PICAXE-28 chips. A PP3 9V battery (BAT003) and download cable (AXE026 or CAB010) are also required for use, and should therefore be purchased separately.

Instructions:

1. Solder the resistors, capacitor and 78L05 voltage regulator in place. Ensure the curved side of the voltage regulator is connected the correct way around as shown on the PCB.
2. Solder the switch and connectors in place.
3. Solder the ZIF socket (handle pointing down) and battery box in place. Note that the battery box should be secured in position by use of the 3 screws (screw into the plastic from the underside of the board).
4. Insert a PP3 battery into the socket. Note the on-off switch should be switched off when inserting and removing microcontrollers.
5. Insert either a PICAXE-18 microcontroller at the top of the socket, or a PICAXE-08 microcontroller at the bottom of the socket (as shown in the graphic above) and lower the handle.
6. Use the Programming Editor software to develop a control program (ensure the software is in the appropriate mode), and then download the program to the programmer by connecting either a PICAXE download cable (part AXE026) or a 9 pin cable (part CAB010).

Serial In:

Note that when installed on the project board, the 'serial in' pin on the microcontroller must be connected to ground (0V) for reliable operation.



Serial Download Circuit:

The programmer is not required when the download socket is installed on the project board, as the cable is connected directly to the project board. This prevents damage to the microcontroller as it is moved back and forth. The programmer is only required for boards constructed without this facility.

