

AXE029 BREADBOARD ADAPTER

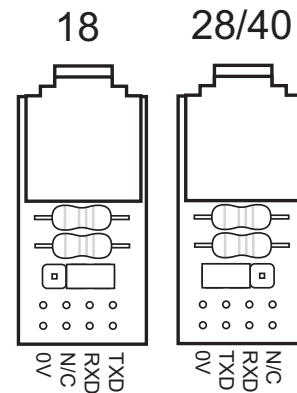
Contents:

- PCB adapter PCB
- R1 10k resistor (brown black orange gold)
- R2 22k resistor (red red orange gold)
- H1 3 pin header and jumper link
- CT1 stereo download socket
- H2,3 4 pin double sided headers

Description:

The PICAXE breadboard adapter provides a simple method of connecting the AXE026 serial or AXE027 USB PICAXE cable to a prototyping breadboard.

The adapter supports the standard download circuit (10k and 22k resistor) and has a 2 way jumper to allow ease of layout of 18 and 28/40 pin PICAXE circuits on the breadboard.



Assembly:

1. Solder the two resistors, 3 pin header and stereo socket so the components lie on the top side of the board (solder joints underneath).
2. Solder the two 4 pin headers so they lie on the underside of the board (ie the solder joints for the two 4 pin headers should be on the top of the board). There are two rows of pins simply to increase stability and provide a more reliable contact in the breadboard. If desired one row may be omitted.

Use:

The output (TXD) connection on the adapter can be moved between two positions via the jumper link. This is to provide the correct pin layout for inserting the adapter directly beside an 18 or 28/40 pin PICAXE chip. For 8 pin PICAXE chips either position may be used (breadboard wires are required between the adapter and the 8 pin chip).

The pin not in use is left open circuit and has no affect on the breadboard circuit.

The board does not contain the PICAXE reset pull-up resistor (18/28/40) or external resonator (28/40). These must be added on the breadboard layout.

For further details about the PICAXE chips please see the PICAXE manual.

Circuit Diagram:

