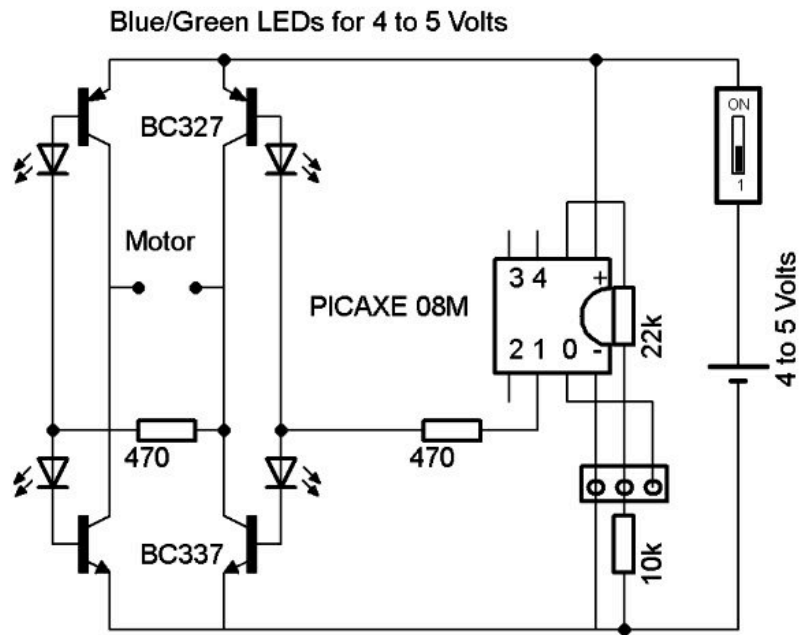
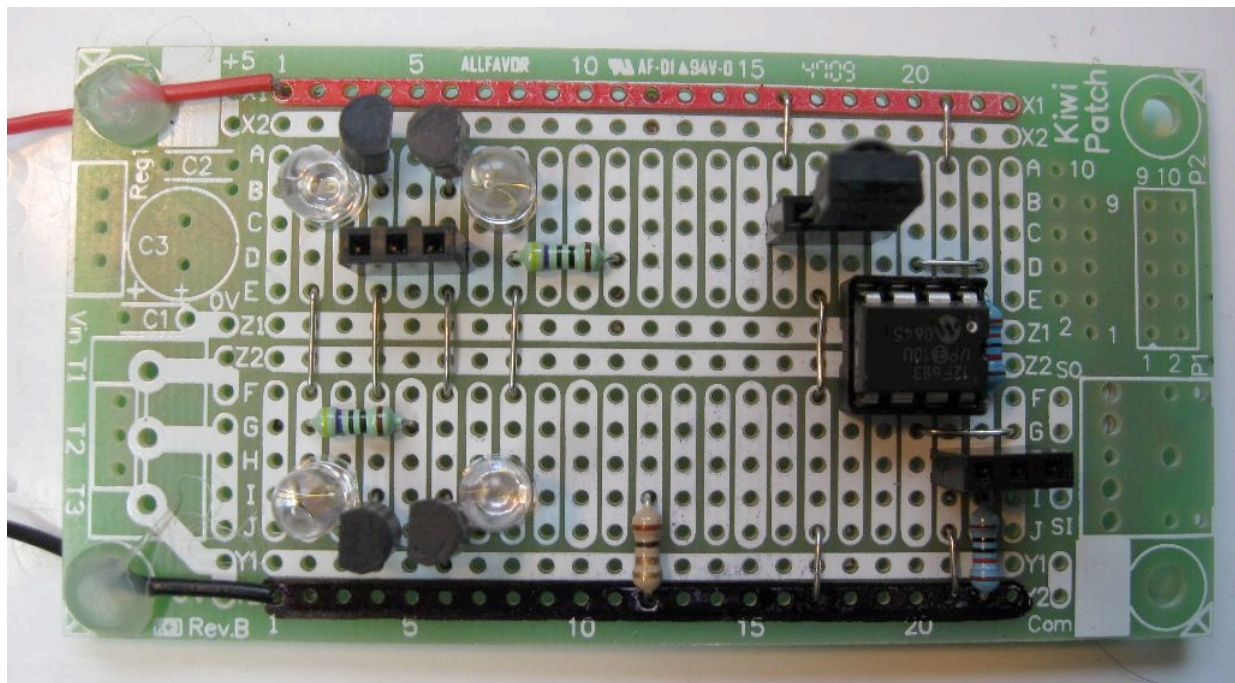


## H Bridge ~ Single Pin 'Tri State' Control



Hi = CW, Low = CCW, Input = Stop

- Each side of the H Bridge OP alternately switched HIGH or LOW by a Pin 1 High or Low
- Both sides of the H Bridge switch OFF completely using the Input 1 command
- I.e. It is possible to make a 2 x motor Bi-Directional robot from just 2 OP pins. E.g. this leaves pin 2 and 3 free for bumper or Ird sensing system for navigation and Pin0 RF Data



- Refer to other templates to use a push button or Ird Remote to control the circuit
- Refer to the Help Section PICAXE Manuals for programming ideas and circuits
- The 100nF capacitor MUST be a ceramic type and soldered DIRECTLY to the motor brushes. This is ESSENTIAL to prevent sparks and interference affecting the PICAXE
- A 1N4148 +ve in place of the picaxe +ve link and capacitor across the chip to stop noise from resetting the picaxe