

THE PICAXE 18 MICROCONTROLLER AND DRIVER CHIP

V.Ryan © 2000 - 2010

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.
NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN www.technologystudent.com

THE PICAXE 18 MICROCONTROLLER AND DRIVER CHIP

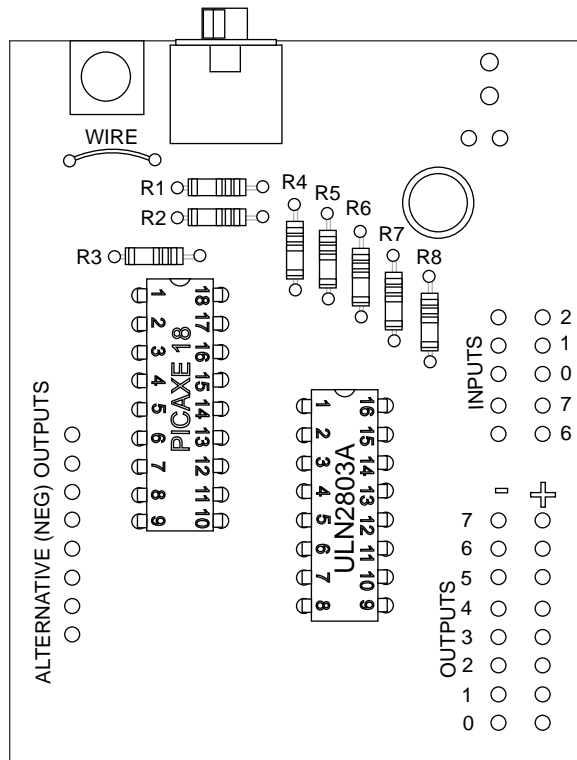
V.Ryan © 2010 World Association of Technology Teachers

1. Why is a ULM2803A driver IC sometimes used in combination with a PICAXE-18 microcontroller?

2. The layout to a PICAXE-18 microcontroller circuit is shown below.

Add sketches of the following input components: Push switch and toggle switch.
 Add sketches of the following output components: Solenoid, motor, two LEDs.
 Add a suitable power supply.

Use a red and black pencil to draw the positive and negative wires/connections.



3. Describe how the digital light/dark sensor, shown opposite, can be connected to a PICAXE-18 microcontroller circuit.

