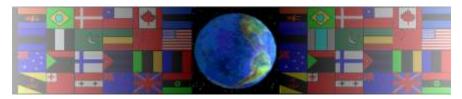
THE GENIE E18 PROJECT BOARD

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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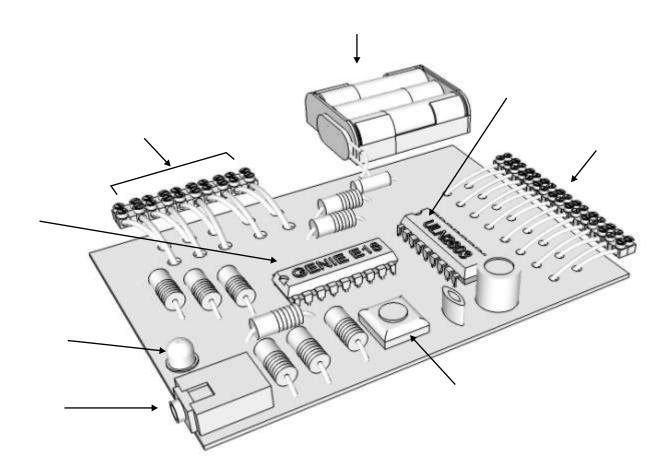
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1. The main components of the GENIE E18 project board/ microcontroller circuit, are named below. On the 3D drawing, write each name alongside its position on the circuit board.

RESET SWITCH BATTERY DRIVER FIVE INPUTS EIGHT OUTPUTS
PACK INTEGRATED CIRCUIT

GENIE E18 PIC DOWNLOAD STATUS LED MICROCONTROLLER SOCKET



| 2. Why is a ULN2003 driver IC an important component in the microcontroler circuit, drawn above? | |
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| | |

- 3. The microcontroller circuit shown above, has a number of outputs. How many outputs?
- 4. A number of components are listed below. Tick alongside all those that are outputs and cross alongside those that are inputs.

SOLENOID MOTOR REED SWITCH BULB TOGGLE SWITCH

LED PUSH SWITCH PIEZO BUZZER SLIDE SWITCH

LDR LIGHT DEPENDENT RESISTOR