TYPICAL LAYOUT OF A PIC MICROCONTROLLER PROGRAMMABLE CIRCUIT - GENIE E18

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On behalf of The World Association of Technology Teachers

W.A.T.T.

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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 .

TYPICAL LAYOUT OF A GENIE E18 PIC MICROCONTROLLER PROGRAMMABLE CIRCUIT

Complete the diagram below by adding notes / the missing information.

DOWNLOAD
SOCKET

_____
_____
_____

Digital inputs are ...

_____
_____
_____

RESET
SWITCH

_____
_____

DIGITAL INPUTS
E.G._____

_____
_____
_____

MICROCONTROLLER
INTEGRATED CIRCUIT
E.G.

_____
_____
_____

5.5 TO 6 VOLT POWER
SOURCE

_____
_____
_____

GENIE E18

ULN2803

INPUTS

OUTPUTS

Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7

STEPPER MOTOR
INTEGRATED CIRCUIT
(OPTIONAL)

_____
_____
_____

OUTPUTS
E.G. _____

_____
_____
_____

OUTPUTS

The outputs can vary. LEDs will
provide lights, a buzzer sound (can
be programmed to produce a tune),
solar motors are an inexpensive way
of creating movement.