THE GENIE C08 - MICROCONTROLLER PROJECT BOARD

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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 .
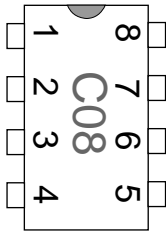
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1. Why is the GENIE CO8 microcontroller sometimes a better option, than the larger GENIE microcontrollers, such as the E18?

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2. The incomplete PIN descriptions for the GENIE CO8, are written in the table opposite. Complete the table by adding the missing PIN information.

PIN No	DESCRIPTION
PIN 1	
PIN 2	
PIN 3	Analogue input A4 or digital in/out G4
PIN 4	Digital output G3
PIN 5	
PIN 6	Analogue input A1 or digital in/out G1
PIN 7	Digital output G0 and status output (ST)
PIN 8	Ground (0v)

3. A diagram of a GENIE CO8 project board is drawn below. Some of the components are missing.

Sketch the missing parts, on the unfinished diagram.

Some major components are listed below. Accurately label the diagram, with these component names.

OUTPUTS G2 and G4   OUTPUT (G0) CONTROLLED LED   DOWNLOAD SOCKET   GENIE CO8 MICROCONTROLLER   G3 (D/G)   POWER 4.5 to 6v