

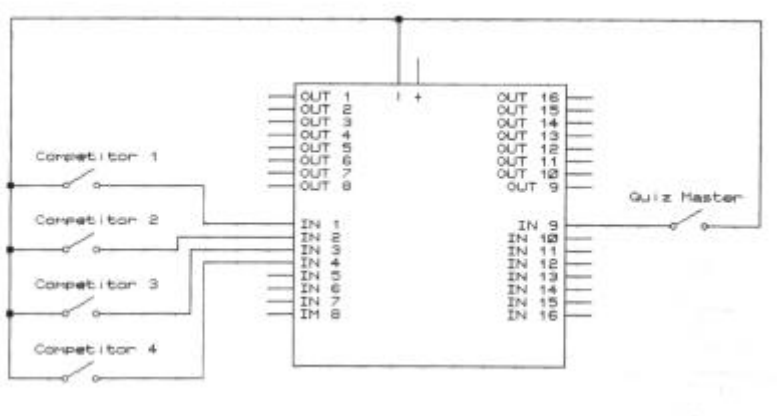
Quiz Box

Description

This application is intended to be used in quizzes or competitions where a quiz master asks a question and competitors are required to press a button if they know the answer. The first to press the button is indicated on flashing LEDs.

This design has provision for 4 competitors. The first to operate their switch will be indicated on the corresponding output. That is competitor 1 will be indicated on output 1, competitor 2 on output 2 and so on. The output will continue to flash until the quiz master operates his switch which will reset the unit ready for the next question.

Wiring Diagram



Notes

The code for this application does rely on some default values. Therefore it is recommended to use the command CPD to return to defaults before downloading the file.

Improvements

The flash rate for the indicators is the same for each competitor. It may be more interesting for the audience if differing flash rates were used.

A common sounder output could be added by ORing the four competitor inputs to a single output in One Shot mode.

Additional inputs can be added by repeating the code for the outputs and adding the extra invert inputs to the existing output code.

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