

## Digital Clock

The task lies in the following: a digital clock that displays the time 7-segment with the help of an image output. Quartz generator at 32768Hz, part to be processed in the microprocessor will be to correctly calculate the time from the alignment from the circuit. Clocks, minutes and seconds will be measured with a maximum of 6 7-segment images. (Hours 0-23, minutes 0-59, seconds 0-59). With the buttons it will be possible to straighten the time. Main part of my project is usage of Digital components (Shift registers, Demultiplexer) and Microcontroller part: Clock, Timer and program code. This project was an initial experience with microcontrollers and digital components, selected to facilitate understanding of microcontroller programming and the interaction between the various components used.

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