



## Consumer Appliance, Widget, Gadget

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### Indicate the Main Biological Parameters of Human Organism

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#### INTRODUCTION:

In this note is presented one hypothetical system for indicating the main biological parameters of human organism as blood pressure, pulse, inside temperature and the content of cholesterol. Using functional features of PIC12C67X family, it appears possible in the near future. As a result, everybody in the future will be able to watch closely these important parameters of health at all times.

The indicating system may be realized as a hand watch, viewing the current values of these extraordinary parameters. Such a system will be made up from two local parts:

##### 1. Implanting sensor...

This hypothetical sensor will be implanted (by way of surgery) in the human hand as a by-pass of one appropriate vein or artery. This very special micro sensor will be integrated and will be able to scan the described parameters and transmit them to the indicating part of the system by RF-signal. Another way which may be more hypothetical, would be analyzing biostreams in one determined point in the human body. The information fetched from biostreams and their relation may be served as a pointer of good health. The main task of the PIC12C67X controller in this case will conclude in measuring and indicating bio-pointers.

##### 2. Indicating part...

The indicating part may contain a PIC12C67X controller, which will convert input information from implanted sensors (or biostream's probe) in digital or graphical variables in an LCD display. For this aim, it will be necessary to design one "custom design" LCD chip/controller controlled from unused output's pins of the PIC12C67X. In the case of the implanted sensor, it will be necessary to have three output digital pins. The first will be to generate impulse sequences of the indicated characters. The second will generate row position and the third, the column position of one type of matrix display.

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## Example Variations

