

SUMMARY

The diploma project comprises: 103 pages, 38 figures, 9 tables, annex A and the graphical part on 3 pages A1.

In this project was created laboratory board and complex laboratory work on peripheral microcontroller (LEDs, seven-segment LED, matrix keyboard, potentiometer). Laboratory work 1 considered the process of compiling programs for msp430F2013 and debugging software environment in Code Composer Essentials. Laboratory work 2 helps to understand how to control the registers of the microcontroller and LED Light. Laboratory work 3 shows how to work with input devices such as button. Laboratory work 4 shows how to work with matrix keyboard. Laboratory work 5 for consolidate the skills of the I/O devices and improve students algorithmic skills. While performing work 6 and 7 laboratory work students are learnt to use timers and sigma-delta ADC settings.

Microcontroller, LED clock BUTTON, matrix keyboard, timer, ADC.

					6.050702.3203.019.BP			
	Letter	№ of doc..	Sign	Date				
Devel..		O. Bozhok.			<i>Laboratory model for the study peripheral devises of microcontrollers</i>	L.	Pag.	Pages
Checked		S Dumko				7	104	
N. Contr.		B. Pryimak				<i>Igor Sikorsky Kyiv Politechnic Institute, FEA, group EP-32</i>		
Approved.		S Peresada						