

bit	7	6	5	4	3	2	1	0	
PORT									
A	ENABLE	SEL2	SEL1	SEL0	DATA3	DATA2	DATA1	DATA0	7 SEGMENT DISPLAY
I/O	OUT	OUT	OUT	OUT	OUT	OUT	OUT	OUT	
B	Led3	Led2	Led1	Led0					LED/lo 4bit
I/O	OUT	OUT	OUT	OUT					
C	RED	KBD4row	KBD3row	KBD2row	KBD1row	KBD_right	KBD_centr	KBD_left	Keyboard
I/O	OUT	OUT	OUT	OUT	OUT	IN	IN	IN	
D	Led7	Led6	Led5	Led4					LED/hi 4bit
I/O	OUT	OUT	OUT	OUT					
E	LCD_DATA7	LCD_DATA6	LCD_DATA5	LCD_DATA4	GREEN	BLUE			LCD data
I/O	OUT	OUT	OUT	OUT	OUT	OUT			
F					LCD_E	LCD_R/W	LCD_RS	LM35	LCD Control
I/O					OUT	OUT	OUT	IN	
G	NC	NC	NC	K4	K3	K2	K1	K0	Pushbutton
I/O	X	X	X	IN	IN	IN	IN	IN	
bit	7	6	5	4	3	2	1	0	

7 Segment display: E 1:Enable, 0: Disable; SEL 2-1-0: 000:10exp0, 001: 10exp1, 010:10exp2, 011:10exp3, 100:Double Leds

Led0...7: 0: Disable, 1:Enable; RED, GREEN, BLUE: 0 Disable, 1: Enable; KBDrow: 1: Select; Column: 0: Pressed

LCD_E: 0 Select, **LCD_R/W:** 1:Read, 0: Write; **LCD_RS:** 1: Data, 0: Control