Pin Assignment for EGT Microcontroller					
ATmega168A	PDIP-28			Crystal Frequency (MHz)	Clock Period (ns)
				8	125.00
Pin Number	Functionality	Peripheral	Name	16	62.50
1	PC6	PCINT14/RESET		20	50.00
2	PD0	PCINT16/RXD	LCD_DB0		
3	PD1	PCINT17/TXD	LCD_DB1		
4	PD2	PCINT18/INT0	LCD_DB2		
5	PD3	PCINT19/OC2B/INT1	LCD_DB3		
6	PD4	PCINT20/XCK/T0	LCD_DB4		
7	VCC				
8	GND				
9	PB6	PCINT6/XTAL1/TOSC1	XTAL_IN		
10	PB7	PCINT7/XTAL2/TOSC2	XTAL_OUT		
11	PD5	PCINT21/OC0B/T1	LCD_DB5		
12	PD6	PCINT22/OC0A/AIN0	LCD_DB6		
13	PD7	PCING23/AIN1	LCD_DB7		
14	PB0	PCINT0/CLKO/ICP1	LCD_E		
15	PB1	OC1A/PCINT1	LCD_BRIGHTNESS		
16	PB2	SS/OC1B/PCINT2	THERM_SS		
17	PB3	MOSI/OC2A/PCINT3	THERM_MOSI		
18	PB4	MISO/PCINT4	THERM_MISO		
19	PB5	SCK/PCINT5	THERM_SCK		
20	AVCC				
21	AREF				
22	GND				
23	PC0	ADC0/PCINT8	LCD_RS		
24	PC1	ADC1/PCINT9	LCD_R/nW		
25	PC2	ADC2/PCINT10	nBUTTON_0		
26	PC3	ADC3/PCINT11	nBUTTON_1		
27	PC4	ADC4/SDA/PCINT12	nBUTTON_2		
28	PC5	ADC5/SCL/PCINT13	nBUTTON_3		