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                                    Im73 functions.c
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// lm73_functions.c
// Roger Traylor 11.28.10
#include <util/twi.h>
#include "lm73_functions.h"
#include <stdlib.h>
#include <util/delay.h>
volatile uint8_t lm73_wr_buf[2];
volatile uint8_t lm73_rd_buf[2];
uint8_t lm73_temp_convert(char temp_digits[], uint16_t lm73_temp, uint8_t f_not_
c) {
    uint8_t temp = 0;
    // Only read positive temperatures; check sign bit
    if (((1m73\_temp) & (1<<15)) == 0) {
        temp = (1m73\_temp>>7) \& 0xFF;
        if (f_not_c != 0) {
            temp = (int)((temp * 1.8) + 32);
    itoa(temp, temp_digits, 10);
    return temp;
```