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...a principal\Proyecto de placa principal\Command_Handler.h
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 2
 3 #ifndef COMMAND_HANDLER_H_
 4 #define COMMAND_HANDLER_H_
 6 #ifndef nullptr
 7 #define nullptr ((void *)0)
 8 #endif
10 #ifndef F_CPU
11 #define F CPU
                               16000000UL
12 #endif
13
14 #include <stdbool.h>
15 #include <stdint.h>
16 #include <stdio.h>
17 #include <string.h>
18 #include <stdlib.h>
19 #include <avr/io.h>
20 #include <util/delay.h>
21
22 #define AVAILABLE_COMMANDS 11
23 #define COMMAND_BUFFER_SIZE 32
24 #define PARAMETER BUFFER SIZE 28
25
26 #ifndef BIT_MANIPULATION_MACRO
27 #define BIT_MANIPULATION_MACRO 1
28 #define bit_get(p,m) ((p) & (m))
29 #define bit_set(p,m) ((p) |= (m))
30 #define bit_clear(p,m) ((p) &= ~(m))
31 #define bit_flip(p,m) ((p) ^= (m))
32 #define bit_write(c,p,m) (c ? bit_set(p,m) : bit_clear(p,m))
33 #define BIT(x) (0x01 << (x))
34 #define LONGBIT(x) ((unsigned long)0x00000001 << (x))</pre>
35 #endif
36
37 typedef struct commandType {
       const char *commandBase;
39
       uint8_t nParameters;
       void (*handlerFunction)();
41 } commandType;
42
43 void *parameter[3];
44  uint8_t *command_buffer;
45 extern bool initliazeMemory();
46 bool memoryInitialized;
47 extern void ROTATE_FORWARDS_HANDLE(), ROTATE_BACKWARDS_HANDLE(),
     TURN_LED_ON_HANDLE(), TURN_LED_OFF_HANDLE(), TURN_RELAY_ON_HANDLE(),
     TURN RELAY OFF HANDLE();
48 extern void UART_TEST_HANDLER(), BUILT_IN_LED_TEST_HANDLER(),
     TURN_EVERYTHING_ON_HANDLE(), TURN_EVERYTHING_OFF_HANDLE(), CALL_NURSE_HANDLE();
49
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