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/* *****/
/* Program      : MOTOR.H                               */
/* Function     : Preload Motor Control Procedures Header File */
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/* *****/
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/* *****/

#ifndef _MOTOR_H
#define _MOTOR_H

// Hardware defines
#define MOTORPORT    PORTB           // motor power switch port
#define MOTORDIR     TRISB           // motor power switch direction
#define MOTORPIN     3               // motor power switch port pin
#define MSTATPORT    PORTB           // motor power switch status port
#define MSTATDIR     TRISB           // motor power switch status direction
#define MSTATPIN     2               // motor power switch status pin

// Macro to get the status of the motor switch.
#define mswitch_status() mstat

// Function prototypes
extern unsigned char drive_motor(unsigned char);
extern unsigned char init_motor();

// Variables
#ifdef _MOTOR_C
bank1 bit flg_motor_on;
#else
extern bank1 bit flg_motor_on;
#endif // _MOTOR_C

static volatile bit mpwr @ (unsigned)&MOTORPORT*8+MOTORPIN;
static bit mpwr_dir @ (unsigned)&MOTORDIR*8+MOTORPIN;
static volatile bit mstat @ (unsigned)&MSTATPORT*8+MSTATPIN;
static bit mstat_dir @ (unsigned)&MSTATDIR*8+MSTATPIN;

#endif // _MOTOR_H

// ***** EOF MOTOR.H *****
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