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/*****
/* Program      : SERIAL.H
/* Function     : Serial Communications Procedures Header File
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/*
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*****/

#ifndef _SERIAL_H
#define _SERIAL_H

// Printer defines - for the A620 printer in normal mode

#define DBLWIDE      0x0e           // double wide
#define SNGLWIDE    0x0f           // return to single width
#define PTRRESET    0x11           // reset printer
#define ULINE       0x15           // underline on
#define NOTULINE    0x18           // underline off
#define PRTREV      0x19           // print reverse
#define DBLHT       0x1a           // double height
#define GRAPH       0x1b           // enter graphics mode
#define EGRAPH      0x4b           // select epson graphics
#define COL_24      0x1c           // 24 column mode
#define COL_40      0x1d           // 40 column mode

#define HSHKPORT    PORTB          // handshake port
#define HSHKDIR     TRISB          // handshake port direction
#define DTRPIN      4              // DTR port pin
#define DSRPIN      5              // DSR port pin

#define DEF_SER_TIMEOUT 200        // default serial port timeout in 10mS
// (long enough for any computer)
#define DSR          !dsr          // set handshake logic sense
#define DTR          !dtr

#ifdef _SERIAL_C
bank1 volatile unsigned char ser_time; // serial timeout timer
#else
extern bank1 volatile unsigned char ser_time;
#endif // _SERIAL_C

extern void init_serial();
extern unsigned char putch_ser(unsigned char);
extern unsigned char putint_ser(unsigned int);
extern unsigned char getch_ser(unsigned char*);
extern unsigned char get_ser_byte(unsigned char*);
extern unsigned char get_ser_int(unsigned int*);
extern void reset_ser();
extern unsigned char process_rx_data();

static volatile bit dtr @ (unsigned)&HSHKPORT*8+DTRPIN;
static volatile bit dsr @ (unsigned)&HSHKPORT*8+DSRPIN;
static bit dtr_dir @ (unsigned)&HSHKDIR*8+DTRPIN;
static bit dsr_dir @ (unsigned)&HSHKDIR*8+DSRPIN;

#endif // _SERIAL_H

// ***** EOF SERIAL.H *****

```