void bq25895\_write(uchar add,uchar dada)

{

 uchar i,sadd=0x6b;

 BQ\_CE=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //发送 S 位

 \_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 BQ\_SCL=0;

 sadd=sadd<<1; //7位数据位Slave Address

 sadd=sadd&0xfe; //最低位置0，写信号

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 BQ\_SCL=0; //清时钟总线，等待ACK

 sadd=add; //写寄存器地址

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 sadd=dada; //最低位置0，写信号

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //结束发送数据

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 //BQ\_CE=1;

}

//////////////////////////////////////////////

uchar bq25895\_read(uchar add)

{

 uchar i,sadd=0x6b;

 BQ\_CE=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //发送 S 位

 \_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_(); \_nop\_();

 BQ\_SCL=0;

 \_nop\_(); \_nop\_();

 sadd=sadd<<1; //7位数据位Slave Address

 sadd=sadd&0xfe; //最低位置0，写信号

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 sadd=add; //写寄存器地址

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //发送 S 位

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 BQ\_SCL=0;

 sadd=0x6b;

 sadd=sadd<<1; //7位数据位Slave Address

 sadd=sadd|0x01; //最低位置1，写信号

 for(i=0;i<8;i++)

 {

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 if(sadd&0x80) //最高位送数据总线

 {BQ\_SDA=1;} //最高位为1，数据总线置1

 sadd=sadd<<1;

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //时钟上升沿，发送数据有效

 \_nop\_();\_nop\_();

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 sadd=0;

 for(i=0;i<8;i++)

 {

 sadd=sadd<<1;

 BQ\_SCL=0; //清时钟总线 ，数据I/O无效

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 if(BQ\_SDA)

 sadd=sadd|0x01;

 }

 BQ\_SCL=0; //清时钟总线，等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //NCK

 \_nop\_();\_nop\_();

 BQ\_SCL=1; //等待ACK

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=0;

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 BQ\_SCL=1;

 \_nop\_();\_nop\_();

 BQ\_SDA=1; //结束发送数据

 \_nop\_();\_nop\_();

 \_nop\_();\_nop\_();

 //BQ\_CE=1;

 return (sadd);

}