

SPI-Problem.txt

```
DDRB=0x2F;    // 00101111 (1=Out, 0=In)
PORTB=0x00;    // 00000000 (1=Pullup, 0=Tri-States)
```

```
.
.
.
```

```
SPCR=0x50;    //SPI Control Register
```

```
.
.
.
```

```
#define SSPB    PORTB.0
#define SSDAC    PORTB.1
#define SSMUX    PORTB.2
```

```
.
.
.
.
.
.
```

```
void spi_led (int LED)
{
    //initialize spi for application
    SPCR&=~0x04;
    dummy=SPSR; //clear SPI Interrupt flag
    dummy=SPDR; //clear SPI Interrupt flag
    //start conversation
    //SSMUX=0;
    SSPB=0;
    SPDR=((char)LED);
    while (!(SPSR&0x80));
    //SSMUX=1;
    SSPB=1;
};
```

```
void spi_aio (int APIN)
{
    //initialize spi for application
    SPCR|=0x04;
    dummy=SPSR; //clear SPI Interrupt flag
    dummy=SPDR; //clear SPI Interrupt flag
    //start conversation
    SSDAC=0;
    SPDR=((char)APIN);
    while (!(SPSR&0x80));
    SSDAC=1;
};
```

```
.
.
.
```

```
void main (void) {
```

```
.
```

```
SSMUX=1;
SSDAC=1;
```

```
SSPB=1;
```

```
.  
.  
.
```

```
spi_led(0x04);  
spi_a1n(0x02);
```

```
.  
.  
.  
.
```