

```
list p=16F84A ; Controller type
#include <p16F84A.inc> ; inc file from Microchip
```

```
BSF STATUS, RP0
MOVLW 0x03
MOVWF TRISB
MOVLW 0x00
MOVWF TRISA
BCF STATUS, RP0
```

```
clrf PORTA
```

```
BTFSB PORTB,0
bsf PORTA,1
NOP
BTFSS PORTB,0
bcf PORTA,1
NOP
```

```
BTFSB PORTB,1
bsf PORTA,0
NOP
BTFSS PORTB,1
bcf PORTA,0
NOP
```

```
end
```