

## AT8PE5X 可加強抗雜訊能力之軟體方式

1. 建議每一輸出port,及輸入/輸出狀態各給一個buffer .
2. 輸出前先對buffer 作運算,才把buffer 的data 移到輸出port.
3. 程序reset 後先判斷是那一種reset如果是power on reset 作正常的程序.反之先將輸入/輸出狀態及輸出port的data恢復.
4. EX

```
PA      EQU    05H
PB      EQU    06H
PAIO_BUF EQU    10H
PBIO_BUF EQU    11H
PA_BUF  EQU    12H
PB_BUF  EQU    13H
```

```
ORG 00H
GOTO INITIAL
```

```
INITIAL:
;IF POWER ON RESET GOTO POR_INI
;ELSE DOTO WDT_INI
```

```
WDT_INI:
:
MOVR    PAIO_BUF,W
IOST    PA
MOVR    PBIO_BUF,W
IOST    PB
MOVR    PA_BUF,W
MOVAR   PA
MOVR    PB_BUF,W
MOVAR   PB
:
```

```
GOTO START
WDT_INI:
:
MOVIA   00DH
MOVAR   PAIO_BUF
IOST    PA
MOVIA   0AAH
MOVAR   PBIO_BUF
IOST    PB
MOVIA   0FFH
MOVAR   PA_BUF
MOVAR   PA
MOVIA   0DCH
MOVAR   PB_BUF
MOVAR   PB
:
```

```
GOTO START
START:
:
BCR     PA_BUF,2
BSR     PA_BUF,3
MOVR    PA_BUF,W

MOVAR   PA
BSR     PB_BUF,2
BSR     PB_BUF,3
MOVR    PB_BUF,W
MOVAR   PB
:
```