


```

;; import lables
extern    _SM_NotifyToggle

; =====

accessram    udata        ; (no access ram required, these variables can
be located anywhere)

_sm_button_column    res    1    ; exported to C, therefore an "_" has been
added
_sm_button_row       res    1
_sm_button_value     res    1
_sm_col              res    1

...

SM_PrepareCol
    ;; select next DOUT register

    ;; (current column + 1) & 0x07
    SET_BSR    sm_selected_column
    incf    sm_selected_column, W, BANKED    ; (* see note below)
    andlw    0x07
    ;_sm_col is used by LM_SetRow()
    movwf    _sm_col
    call    MIOS_HLP_GetBitANDMask    ; (inverted 1 of 8 code)

...

```

and finally in sm_simple.h:

```

...
extern unsigned char sm_button_value;
extern unsigned char sm_col;
...

```

back to [DSEQ32](#)

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Last update: **2006/10/15 09:35**

