

如何更新 T582 4BIT NOR FLASH 型號

1. 確認類型根據

目前將類型分為三種類型,依據 Write status 的不同區分

TYPE_A:需要連續寫兩個 STATUS REGISTER

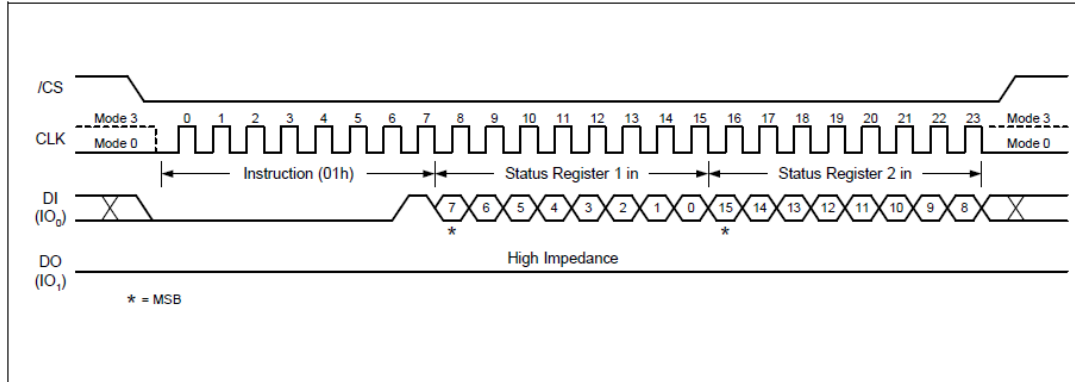
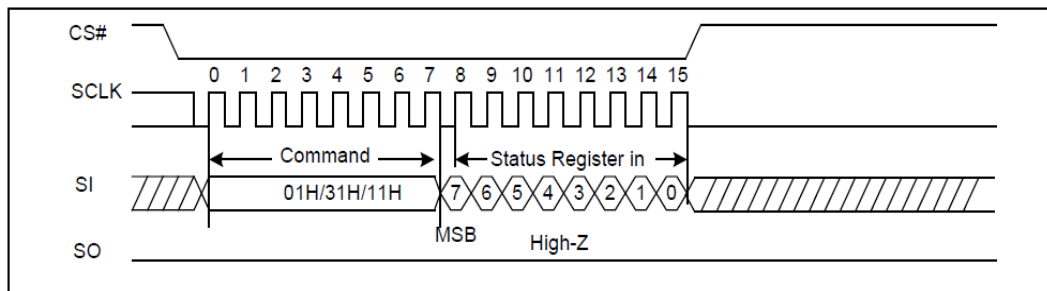


Figure 8. Write Status Register Instruction Sequence Diagram

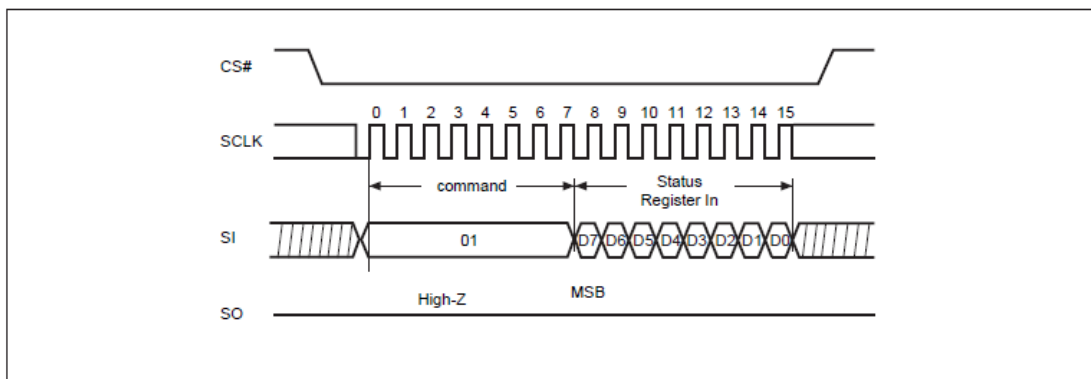
TYPE_B:需要個別寫三個 STATUS REGISTER

Figure7. Write Status Register Sequence Diagram



TYPE_C 只需要寫一個 STATUS REGISTER

Figure 15. Write Status Register (WRSR) Sequence (Command 01)



2. 更新文件檔案/driver/spirw/spirw.h

(1) 確認 FLASH 的 Manufacture and device ID

Table 6. ID Definitions

Command Type	MX25L6445E		
RDID	manufacturer ID	memory type	memory density
	C2	20	17

(2) 更新/driver/spirw/spirw.h 頭文件

```
#define MXIC          0XC2  //新增
```

```
#define MX25L6445E_ID 0X2017 //新增
```

```
struct ospi_type_id {
    unsigned int manu_id;
    unsigned int dev_id;
    unsigned int type;
};

static const struct ospi_type_id ospi_id[]={
{WINBOND,W25Q80BV_ID,OSPI_TYPE_A},
{WINBOND,W25Q16BV_ID,OSPI_TYPE_A},
{WINBOND,W25Q32BV_ID,OSPI_TYPE_A},
{WINBOND,W25Q64BV_ID,OSPI_TYPE_A},
{WINBOND,W25Q128BV_ID,OSPI_TYPE_B},
{AMIC,A25LQ32A_ID,OSPI_TYPE_A},
{MXIC,MX25L3235D_ID,OSPI_TYPE_C},
{MXIC,MX25L6445E_ID,OSPI_TYPE_C},//新增
{MXIC,MX25L8035E_ID,OSPI_TYPE_C},
{MXIC,MX25L1636_ID,OSPI_TYPE_C},
{MXIC,MX25L12835F_ID,OSPI_TYPE_C},
{GD,GD25Q64B_ID,OSPI_TYPE_A},
{GD,GD25Q128B_ID,OSPI_TYPE_B},
{EON,EN25Q32A_ID,OSPI_TYPE_C},
{EON,EN25Q64_ID,OSPI_TYPE_C},
{PMC,PM25LQ032,OSPI_TYPE_C},
{UN_KNOW_MF_ID,UN_KNOW_DV_ID,UN_KNOW_TY_ID},//結尾
};
```