

Application Note-13



2M FWH (W49V002FA) ERASE CYCLE TIME ISSUE

1. GENERAL DESCRIPTION

In checking the completion of Sector Erase, Winbond 2M FWH(Firmware Hub) provides three ways to identify it. However, users need to use them correctly for different applications.

2. DETAIL DESCRIPTION

During Erase Cycle, user can monitor the status of chip operation by using one of the following approaches:

- Wait Erase Cycle Time (200 mS)
- Polling bit (DQ7)
- Toggle bit (DQ6)

In noisy environment, noise might disturb the normal function of Toggle Bit feature (DQ6) occasionally, For system user, the easiest way to check the completion of erase commands is to wait for TEC (200 mS). (TEC: Erase Cycle Time)

3. CONCLUSION

It is recommended that system software just simply wait for TEC (200 mS) time-out during the sector erase operation before the next command.

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