



## Migration from EN25P80 to EN25F80

<b>Part No. :</b>	<b>EN25F80</b>
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<b>Prepared by :</b>	<b>FAE engineer <u>Sunny Tai</u></b>
<b>Approval by :</b>	<b>FAE Manager <u>Jason Tseng</u></b>

## 1. Purpose

EN25P80 will EOL and be replaced by EN25F80 which can offer uniform 4Kbytes sector and allow for greater flexibility in applications. This note highlights the difference between those two devices. And it helps customers to migrate into new device.

## 2. Difference

When customers want to replace EN25P80 with EN25F80, the difference of device ID needs to take care only. Other items in the list below are the additional features of EN25F80 compared with EN25P80.

- **Manufacturer and Device Identification**

### EN25F80 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh			13h
90h	1Ch		13h
9Fh	1Ch	3114h	

### EN25P80 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh			13h
90h	1Ch		13h
9Fh	1Ch	2014h	



● **High Performance**

EN25F80---100MHz clock rate

EN25P80---75MHz clock rate

● **Block Sector Architecture**

EN25F80 : Small uniform sector Architecture

- 256 sector of 4KB
- 16 block of 64KB
- Any sector or block can be erased individually

EN25P80 : Uniform sector Architecture

- 16 block of 64KB
- Any block can be erased individually

● **Erasable**

EN25F80--- Sector, Block or Chip erasable

EN25P80--- Sector or Chip erasable

● **Support Lockable 256 byte OTP security sector**

EN25F80---Yes

EN25P80---No

● **Instruction Set Comparison**

**EN25F80 :**

Instruction Name	Byte 1 Code	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	n-Bytes
Sector Erase	20h	A23-A16	A15-A8	A7-A0			
Block Erase	D8h/ 52h	A23-A16	A15-A8	A7-A0			
Chip Erase	C7h/ 60h						
Enter OTP mode	3Ah						

**EN25P80 :**

Instruction Name	Byte 1 Code	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	n-Bytes
Sector Erase	D8h	A23-A16	A15-A8	A7-A0			
Bulk Erase	C7h						



## Revisions History

Revision No	Description	Date
A	Initial Release.	2007/08/08