



## Migration from EN25P05 to EN25F05

<b>Part No. :</b>	<b>EN25F05</b>
<b>Issued date :</b>	<b>2008 / 05 / 29</b>
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## 1. Purpose

EN25P05 will EOL and be replaced by EN25F05 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 EN25P05 with EN25F05, the difference of device ID needs to take care only. Other items in the list below are the additional features of EN25F05 compared with EN25P05.

- **Manufacturer and Device Identification**

### EN25F05 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh			05h
90h	1Ch		05h
9Fh	1Ch	3110h	

### EN25P05 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh			05h
90h	1Ch		05h
9Fh	1Ch	2010h	



● **Block Sector Architecture**

EN25F05 : Small uniform sector Architecture

- 16 sectors of 4KB
- 2 blocks of 32KB
- Any sector or block can be erased individually

EN25P05 : Uniform sector Architecture

- 2 sectors of 32KB
- Any sector can be erased individually

● **Erasable**

EN25F05--- Sector, Block or Chip erasable

EN25P05--- Sector or Chip erasable

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

EN25F05---Yes

EN25P05---No

● **Instruction Set Comparison**

**EN25F05 :**

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						

**EN25P05 :**

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.	2008/05/29