



Product Change Notice

Date of Publication:	May 21, 2010
PCN No:	PCN-10-044
Change Subject:	Product Migration from MX25L4005A / MX25L4005C to MX25L4006E
Change Type:	Product Migration
Key Milestones:	Last Order Date: Feb. 28, 2011 Last Shipping Date: May. 31, 2011

Description of Changes

Macronix introduces the MX25L4006E as a replacement of the MX25L4005A / MX25L4005C. All customers are requested to start the migration for their existing design to the MX25L4006E as soon as possible.

MX25L4006E supports new features, SFDP mode and Dual Output mode (Single Input / Dual Output).

For detail of these changes, please refer to Application Notes of MX25L4006E.

Impact of Changes and Recommended Actions

Besides original function of MX25L4005A / MX25L4005C, the MX25L4006E provides new features that make no impact on customer's original design.

Applications using the MX25L4005A / MX25L4005C need to migrate to the MX25L4006E, and new designs should only use the MX25L4006E. Migration to MX25L4006E will enable Macronix to provide continuous support to our customers.

General Feature Comparison:

Specification		MX25L4005A/C	MX25L4006E
Voltage		2.7~3.6 V	2.7~3.6 V
Interface		x1	x1, 1I /2O*
Package		8-SOP(150mil/209mil) 8-WSON(6x5mm) 8-PDIP(300mil) 8-USON(4x4)	8-SOP(150mil/209mil) 8-WSON(6x5mm) 8-PDIP(300mil)
Operating Temperature		-40~85 °C	-40~85 °C
Sector / Block		4KB /64KB	4KB / 64 KB
Clock Rate	Fast Read	1KHz~85MHz	DC~86MHz
	Read	1KHz~33MHz	DC~33MHz
	DREAD(Dual Output)	--	DC~80MHz
Byte Program		NA	Yes
SFDP Mode		NA	Yes
Block Protection		BP2, BP1, BP0	BP2, BP1, BP0
Hold#		Yes	Yes
WP#		Yes	Yes

Note:

* Dual Output mode (1I/2O) means Single Input / Dual Output.

Products Affected:

Package	Part Number	Part Number
8-SOP (150mil)	MX25L4005AMC-12G	MX25L4006EM1I-12G
	MX25L4005AMC-15G	
	MX25L4005AMI-12G	
	MX25L4005CMI-12G	
8-SOP (209mil)	MX25L4005AM2C-12G	MX25L4006EM2I-12G
	MX25L4005AM2I-12G	
	MX25L4005CM2I-12G	
8-PDIP (300mil)	MX25L4005APC-12G	MX25L4006EPI-12G
	MX25L4005API-12G	
	MX25L4005CPI-12G	
8-USON (4x4mm)	MX25L4005AZUI-12G	NA
8-WSON (6x5mm)	MX25L4005AZNI-12G	MX25L4006EZNI-12G
	MX25L4005CZNI-12G	

Production Status for E version:

▶ Sample Availability	May/2010
▶ Mass Production	June/2010

For the contact and order information, please visit Macronix's Web site at:

<http://www.macronix.com>