

**Title:** Migrating to MX25V512E from MX25V512  
**Notification Number:** P-1206-0008  
**Notification Date:** July 1, 2012  
**Change Type:** Product Migration

## 1. Change Identification

<b>Product Identification</b>	MX25V512
<b>Reason of Change</b>	Macronix is introducing the MX25V512E as a replacement of MX25V512.

## 2. Implementation Schedule

### 2-a. Affected Product Schedule

<b>Last Order Date</b>	March 31, 2013
<b>Last Ship Date</b>	June 30, 2013

### 2-b. Replacement Product Schedule

<b>Sample Availability</b>	Available
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## 3. List of Product Affected

<b>Affected Part Number</b>	<b>Recommend Part Number</b>
MX25V512ZUI-20G	➔ MX25V512EZUI-13G

Should you have any questions or specific requirement for the extension of product supports, please contact your local Macronix sales representative within 30 days. For other information or specification of succeeding products, please contact your local Macronix sales representative or visit Macronix's Web site at <http://www.macronix.com>.

#### 4. Supplementary

<b>Additional Comments</b>	
<b>Reference Documents</b>	Migration guide (AN165): Migrating to MX25V512E from MX25V512/512C

#### Major Differences:

<b>Specifications</b>	<b>MX25V512</b>	<b>MX25V512E</b>
<b>Voltage</b>	2.35V – 3.6V	2.35V – 3.6V
<b>Density</b>	512Kb	512Kb
<b>Packages</b>	2x3mm 8USON 173mil 8TSSOP	2x3mm 8USON 173mil 8TSSOP
<b>Sector</b>	4KB	4KB
<b>Block</b>	64KB	64KB
<b>Fast Read Mode</b>	Single Read	Single Read Dual Output Read
<b>Page Program Size</b>	256 Bytes	256 Bytes
<b>HOLD# pin</b>	Yes	Yes
<b>Clock Rate (Fast Read)</b>	1 I/O : 50MHz	1 I/O : 75MHz Dual Output : 70MHz
<b>Clock Rate (Normal Read)</b>	25MHz	33MHz
<b>Page Program</b>	Yes	Yes
<b>Block Protection Bits: BPx</b>	Non-Volatile	Non-Volatile
<b>Manufacture ID</b>	C2 Hex	C2 Hex
<b>Device ID (Command: AB H, 90 H)</b>	05 Hex	05 Hex
<b>Device ID (Command: 9F H)</b>	2010 Hex	2010 Hex
<b>Endurance</b>	100K (Min.)	100K (Min.)
<b>Data Retention</b>	20 years (min)	20 years (min)

#### Comments:

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