

Macronix
Process Change Notification (PCN)

MX29LV320D
(3V, 32Mb, Parallel Flash)

Date Issued : May, 2008

Issued by : PM/ Memory SBU

S/N:F-PCN-23

MXIC Proprietary & Confidential



MACRONIX
INTERNATIONAL CO., LTD.

Dear Macronix Customer,

Macronix is introducing the 4th generation of 32Mb parallel flash product. Macronix has shrunk the die size from 0.15um to 0.13um in order to continue to offer our customers the most advanced and cost effective products.

In order to achieve better performance, reliability, and cost structure, Macronix is introducing the “D” revision of 32Mb parallel flash products on our advanced 0.13um technology.

Product is available in samples and mass production now.

The MX29LV320D device is identical in form, fit and function to the previous generation MX29LV320C product.

Macronix requests that you kindly qualify the new version as quickly as possible in order for us to continue supporting you without interruption.

Thank you

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Feature Comparison Table

Part No.	MX29LV320C	MX29LV320D
Process	0.15um FG	0.13um FG
VCC range	2.7V ~ 3.6V	2.7V ~ 3.6V
Read Speed	70/90 ns	70ns
CFI Query	Yes	Yes
Icc Standby	15uA (max.)	15uA (max.)
Active Read Current	16mA (max, @5MHz)	16mA (max, @5MHz)
Active Write Current (Erase/Program)	30mA (max.)	30mA (max.)
Chip Erase Time	35sec (typ.) / 50sec (max.)	35sec (typ.) / 50sec (max.)
Sector Erase Time	0.9sec (typ.) / 15sec (max.)	0.7sec (typ.) / 2sec (max.)
Chip Programming time (word mode)	24sec (typ.) / 72sec (max.)	24sec (typ.) / 72sec (max.)
Word Program Time	11us (typ.) / 360us (max.)	11us (typ.) / 360us (max.)
Package Type	48-TSOP 48-TFBGA (6x8mm) 48-LFBGA (6x8mm)	48-TSOP 48-TFBGA (6x8mm) 48-LFLGA (6x8mm) 44-SOP

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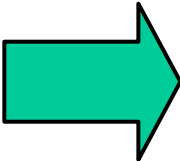
Part Numbering Change

MX29LV320C

48-TSOP
MX29LV320C(T/B)TC-70G/90G
MX29LV320C(T/B)TI-70G/90G

48-TFBGA (6x8mm)
MX29LV320C(T/B)XBC-70G/90G
MX29LV320C(T/B)XBI-70G/90G

48-LFBGA (6x8mm)
MX29LV320C(T/B)XEC-70G/90G
MX29LV320C(T/B)XEI-70G/90G



MX29LV320D

48-TSOP
MX29LV320D(T/B)TI-70G

48-TFBGA (6x8mm)
MX29LV320D(T/B)XBI-70G

48-LFBGA (6x8mm)
MX29LV320D(T/B)XEI-70G

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Conversion Schedule

➤ “D” version samples available:	Now
➤ “D” version mass production :	6 th of Mar. 2008
➤ Old version last order placement date:	31 st of Dec. 2008
➤ Old version final shipment date:	31 st of Mar. 2009

Macronix Recommendations:

- Macronix requests that you qualify the new D version samples now. This will allow Macronix to continue supporting you without interruption
- Datasheets are available on our website (www.macronix.com)