



MT29F1G08ABAEAH4-AATX

- DATA SHEETS (1)**
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- WHERE TO BUY

Data Sheets (1)

Data Sheet

1Gb x8 Automotive Non-ECC NAND Flash Memory Data Sheet

Automotive NAND Flash SLC NAND

File Type: PDF **Updated:** 07/2015

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Specs

Orderable Parts for: MT29F1G08ABAEAH4-AATX

[SEE ALL SLC NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G08ABAEAH4-AATX:E	Production	N/A	NQ461	N/A	N/A	Yes	7/31/2012	N/A

Detailed Specifications

Density	1Gb	Status	Production	RoHS	Yes	Width	x8
Voltage	3.3V	Package	VFBGA	Pin Count	63-ball	MT/s	
I/O	Common	Op Temp	-40C to +105C				

Software Support Pack

YAFFS mark bad block issue (ZIP)

If the bitflips num over mtd->bitflip_threshold the mtd_read_oob will return -EUCLEAN and tags->ecc_result > YAFFS_ECC_RESULT_NO_ERROR. Then we will call yaffs_handle_chunk_error.

File Type: ZIP

Updated: 03/31/2016

MLC NAND
NAND Flash
SLC NAND

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Software Support Pack

NAND FLASH lockunlock bug fix (ZIP)

Reset NAND before write protect check.

File Type: ZIP

Updated: 03/31/2016

MLC NAND
NAND Flash
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Software Support Pack



NANDcode Flash Translation Layer (ZIP)

NANDcode is a "C" FTL (Flash Translation Layer) software library for ARM platform.

File Type: ZIP

Updated: 08/08/2014

NAND Flash
SLC NAND

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Software Driver

MT29F, SLC, 60/70 Series (1Gb, 2Gb, 4Gb, 8Gb, 16Gb, 32Gb) General Low-Level Driver for Parallel NAND Flash memory (ZIP)

M60A, M61A, M62B, M68A, M68M, M70M, M71M, M72A, M73A, M79M. Download the technical note for this driver [here](#).

File Type: ZIP

Updated: 04/05/2013

NAND Flash
SLC NAND

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Software Driver



MT29F, SLC, 60 Series (1Gb, 2Gb, 4Gb) General Low-Level Driver for SPI NAND Flash memory (ZIP)

M68A, M69A, M60A

File Type: ZIP

Updated: 12/28/2011

NAND Flash
Serial NAND
SLC NAND

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RoHS Certificate of Compliance (PDF)

MT29F1G08ABAEAH4 AATX

Part-specific certification of how this product meets the requirements of the current DIRECTIVE 2002/95/EC, a.k.a. Restriction of Hazardous Substances (RoHS) Directive.

File Type: (PDF)

Updated: 01/2017

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RoHS Certificates

China RoHS Certificate (PDF)

MT29F1G08ABAEAH4 AATX

Part-specific certification as required by China's Management Methods for Controlling Pollution by Electronic Information Products.

File Type: (PDF)

Updated: 01/2017

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Documentation & Support

[See All SLC NAND Documentation](#)

Technical Notes

[SEARCH \(17\) SLC NAND TECHNICAL NOTES](#)
Technical Notes
**TN-13-49: SLC NAND Device Refresh (PDF)**NAND Flash
SLC NAND

(TN-13-49) This technical note discusses the adverse effects of high temperature and PROGRAM/ERASE (P/E) cycles on flash memory data retention and how the REFRESH operation can be used to mitigate these adverse effects.

File Type: PDF

Updated: 10/31/2016

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Technical Notes
**TN-29-58: ONFI NV-DDR2 Design Guide (PDF)**NAND Flash
SLC NAND

(TN-29-58) This technical note explains the device features that enable NV-DDR2 and provides guidelines for system designs to enable I/O transfer rates of up to 400 MT/s using the NV-DDR2 interface.

File Type: PDF

Updated: 09/29/2016

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Technical Notes

TN-29-76: Using the Block Lock Feature on MT29F NAND Flash Memory Devices (PDF)

NAND Flash
SLC NAND

(TN-29-76) This technical note describes the block lock feature on Micron's MT29F NAND Flash memory devices.

File Type: PDF

Updated: 08/16/2016

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Technical Notes

TN-29-68: One-Time Programmable Operations in 2Gb: x8, x16 NAND Flash Memory (PDF)

NAND Flash
SLC NAND

(TN-29-68) This technical note describes one-time programmable operations in Micron's 2Gb: x8, x16 NAND Flash memory devices.

File Type: PDF

Updated: 08/16/2016

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Technical Notes

TN-26-03: How to Read, Program, and Manage Small Page NAND OTP Memory Area (PDF)

NAND Flash
SLC NAND

(TN-26-03) This technical note explains how to read, program, and manage small page NAND memory.

File Type: PDF

Updated: 08/16/2016

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SEARCH (17) SLC NAND TECHNICAL NOTES

Parts with the same Data Sheet (1)

MT29F1G08ABAEAH4-AATX
(Current)

MT29F1G08ABAEAWP-AATX

Status	Production	Production
Density	1Gb	1Gb
RoHS	Yes	Yes
Width	x8	x8
Voltage	3.3V	3.3V
Package	VFBGA	TSOP
Pin Count	63-ball	48-pin

MT/s

I/O

Common

Common

Op Temp

-40C to +105C

-40C to +105C

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G08ABAEAH4-AATX:E	Production	N/A	NQ461	N/A	N/A	Yes	7/31/2012	N/A

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- Ultrathin Solutions

Memory and Storage Products

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