



[ADD](#) |
 [EMAIL](#) |
 [g+](#) |
 [in](#) |
 [twitter](#) |
 [f](#)

MT29F1G08ABAEAH4-AITX

[DATA SHEETS \(1\)](#) |
 [SPECS](#) |
 [SIM MODELS & SOFTWARE](#) |
 [ROHS CERTIFICATES](#) |
 [DOCUMENTATION & SUPPORT](#) |
 [PARTS WITH THE SAME DATA SHEET \(3\)](#) |
 [WHERE TO BUY](#)

Data Sheets (1)

[Data Sheet](#)

1Gb x8, x16 Automotive IT M68M NAND Flash Memory Data Sheet
Automotive NAND Flash SLC NAND

Non-ECC NAND Flash Memory

File Type: PDF **Updated:** 03/2015

[VIEW](#) [DOWNLOAD](#)

Specs

Orderable Parts for: MT29F1G08ABAEAH4-AITX

[SEE ALL SLC NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G08ABAEAH4-AITX:E	Production	N/A	NQ447	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 +85C				

Sim Models

IBIS



IBIS: NAND 1Gb SLC (Rev E) M68M (ZIP)

NAND Flash
SLC NAND

Rev. 2.2

File Type: ZIP

Updated: 04/28/2014

DOWNLOAD

HSpice



HSpice: NAND 1Gb SLC (Rev E) M68M (ZIP)

NAND Flash
SLC NAND

Rev. 2.0

File Type: ZIP

Updated: 06/15/2012

DOWNLOAD

Software

Software Support Pack

YAFFS mark bad block issue (ZIP)

MLC NAND
NAND Flash
SLC NAND

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

DOWNLOAD

Software Support Pack

NAND FLASH lockunlock bug fix (ZIP)

MLC NAND
NAND Flash
SLC NAND

Reset NAND before write protect check.

File Type: ZIP

Updated: 03/31/2016

DOWNLOAD

Software Support Pack



NANDcode Flash Translation Layer (ZIP)

NAND Flash
SLC NAND

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

File Type: ZIP

Updated: 08/08/2014

DOWNLOAD

Software Driver

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

NAND Flash
SLC NAND

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

DOWNLOAD

Software Driver



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

NAND Flash
Serial NAND
SLC NAND

M68A, M69A, M60A

File Type: ZIP

Updated: 12/28/2011

DOWNLOAD

RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT29F1G08ABAEAH4-AITX

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

DOWNLOAD

RoHS Certificates

China RoHS Certificate (PDF)

MT29F1G08ABAEAH4-AITX

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

File Type: (PDF)

Updated: 01/2017

DOWNLOAD

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

DOWNLOAD

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

DOWNLOAD

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

DOWNLOAD

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

DOWNLOAD

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

DOWNLOAD

SEARCH (17) SLC NAND TECHNICAL NOTES

Parts with the same Data Sheet (3)

MT29F1G08ABAEAH4-AITX (Current)		MT29F1G08ABAEAWP-AITX	MT29F1G08ABBEAH4-AITX	MT29F1G16ABBEAH4-AITX
Status	Production	Production	Production	Production
Density	1Gb	1Gb	1Gb	1Gb
RoHS	Yes	Yes	Yes	Yes
Width	x8	x8	x8	x16
Voltage	3.3V	3.3V	1.8V	1.8V
Package	VFBGA	TSOP	VFBGA	VFBGA
Pin Count	63-ball	48-pin	63-ball	63-ball
MT/s				
I/O	Common	Common	Common	Common
Op Temp	-40C to +85C	-40C to +85C	-40C to +85C	-40C to +85C

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G08ABAEAH4-AITX:E	Production	N/A	NQ447	N/A	N/A	Yes	7/31/2012	N/A

Contact Your Sales Rep

- OR - Check with Distributors

[CONTACT A REP](#)

Your Region:



[VIEW](#)



[VIEW](#)

[See All Distributors](#)

- Solutions
 - Automotive Memory Solutions
 - Client SSD Storage
 - Data Center
 - Embedded Memory Solutions
 - Enterprise SSD Storage
 - Mobile Memory Solutions
 - Networking Innovations
 - Supercomputing Memory
 - Ultrathin Solutions
- Memory and Storage Products
 - DRAM
 - DRAM Modules
 - NAND Flash
 - Managed NAND
 - NOR Flash
 - Hybrid Memory Cube
 - Multichip Packages
 - Solid State Drives
- About
 - Our Company
 - News and Events
 - Micron Blogs
 - Micron Foundation
 - Emerging Technologies
 - Locations
 - Our Commitment
 - Investor Relations
- Support
 - Sales Network
 - Authorized Distributors
 - Contact Us
 - Jobs
- Contact Us
 - Sales Network
 - Authorized Sales
 - Site Map
 - Surplus Equipment
 - Terms of Use
 - Terms and Conditions of Sale
 - Privacy



©2017 Micron Technology, Inc. All rights reserved. Information, products, and/or specifications are subject to change without notice. All information is provided on an "AS IS" basis without warranties of any kind. Drawings may not be to scale. Micron, the Micron logo, and all other Micron trademarks are the property of Micron Technology, Inc. All other trademarks are the property of their respective owners.