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MT29F1G08ABAEAH4-AITX

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SEE ALL SLC NAND PARTS

Data Sheets (1)



Specs

Orderable Parts for: MT29F1G08ABAEAH4-AITX

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

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

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HSpice 🔒

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

NAND Flash SLC NAND

Rev. 2.0

File Type: ZIP

Updated: 06/15/2012

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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

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Software Support Pack

NAND FLASH lockunlock bug fix (ZIP)

MLC NAND NAND Flash SLC NAND

Reset NAND before write protect check.

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File Type: ZIP

Updated: 03/31/2016

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.

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File Type: ZIP

Updated: 08/08/2014

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.

Downloaded from Arrow.com.

File Type: ZIP Updated: 04/05/2013

Software Driver



Updated: 12/28/2011

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

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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

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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

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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 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

	i08ABAEAH4-AITX (Current)	MT29F1G08ABAEAWP-AITX	MT29F1G08ABBEAH4-AITX	MT29F1G16ABBEAH4-AITX		
	Production	Production	Production	Production		
Density	1Gb	1Gb	1Gb	1Gb		
RoHS	Yes	Yes	Yes	Yes		
Width	х8	х8	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

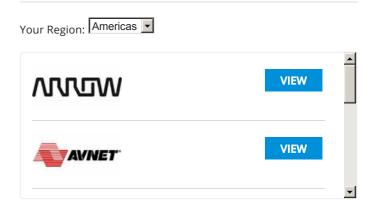
Orderable Parts

	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

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