



MT29F16G08CBABAWP-IT

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

Data Sheets (1)

Data Sheet

16Gb Asynchronous/Synchronous NAND Flash Memory (NDA)

L62A datasheet E

China
MLC NAND
NAND Flash
Taiwan
USA

File Type: PDF **Updated:** 04/2009

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Specs

Orderable Parts for: MT29F16G08CBABAWP-IT

[SEE ALL MLC NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F16G08CBABAWP-IT:B	Obsolete	N/A	N/A	N/A	N/A	No		VIEW

Detailed Specifications

Density	16Gb	Status	Obsolete	NAND Type	2D	RoHS	Yes
Width	x8	Voltage	3.3V	Package	TSOP	Pin Count	48-pin
Op. Temp.	-40C to +85C	MT/s		I/O	Common	Product Name	

Sim Models & Software

Sim Models

IBIS



IBIS: NAND 16Gb MLC (Rev B) L62A (ZIP)

MLC NAND
NAND Flash

Rev. 2.1

File Type: ZIP

Updated: 11/30/2012

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Verilog



Verilog: NAND 16Gb, MLC (rev B) (ZIP)

MLC NAND
NAND Flash

16Gb MLC NAND Verilog Model

File Type: ZIP

Updated: 12/31/2009

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Software

Software Support Pack

mt-d-nand-use-a-lower-value-for-badblockbits-when-working-with-MLC-NAND (ZIP)

MLC NAND
NAND Flash

MLC NANDs have more bit flips than SLC. When looking for bad block marker we have a lot of false positives if we check for the whole byte. To avoid this tolerate a few (4 here) bit flips for byte.

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.

File Type: ZIP

Updated: 03/31/2016

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Software Support Pack

UBI power loss issue for paired page Ver2.0 (ZIP)

MLC NAND
NAND Flash

These patches aim to solve MLC NAND paired page power loss issue by adding a bakvol (backup volume) module in UBI layer. 70 series and 80 series families.

File Type: ZIP

Updated: 03/31/2016

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Software Support Pack

fixup-ubi-cannot-recover-master node issue (ZIP)

MLC NAND
NAND Flash

For MLC NAND, paired page issue is now a common known issue. This patch is just for master node cannot be recovered while there will two pages be damaged in one single master block.

File Type: ZIP

Updated: 03/31/2016

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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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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT29F16G08CBABAWP-IT

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: 05/2017

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RoHS Certificates

China RoHS Certificate (PDF)

MT29F16G08CBABAWP-IT

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

File Type: (PDF)

Updated: 05/2017

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Documentation & Support

[See All MLC NAND Documentation](#)

Technical Notes

SEARCH (4) MLC NAND TECHNICAL NOTES

Technical Notes

TN-00-33: Power Integrity Simulation with IBIS 5.0 Models (PDF)

3D NAND
DDR3 SDRAM
DDR4 SDRAM
DRAM
[See More Tags](#)

(TN-00-33) This technical note describes the new features in IBIS 5.0 enabling PI simulation. It also provides an overview of some of the modeling accuracy challenges and compares SSO simulation results using various electronic design automation (EDA) software tools.

File Type: PDF

Updated: 01/25/2016

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Technical Notes

TN-00-01: Moisture Sensitivity of Plastic Packages (PDF)

DDR SDRAM
DDR2 SDRAM
DDR3 SDRAM
DDR3L-RS
[See More Tags](#)

(TN-00-01) This technical note describes shipping procedures for preventing memory devices from absorbing moisture and recommendations for baking devices exposed to excessive moisture.

File Type: PDF

Updated: 02/14/2013

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Technical Notes

TN-29-65: Software Device Drivers for Very Large Page Micron NAND Flash Memory (PDF)

MLC NAND
NAND Flash
SLC NAND

(TN-29-65) Download the low-level driver described in this document [here](#).

File Type: PDF

Updated: 10/15/2010

[DOWNLOAD](#)

Technical Notes

TN-29-61: Wear Leveling in NAND Flash Memory (PDF)

MLC NAND
NAND Flash
SLC NAND

(TN-29-61) This technical note describes the recommended wear leveling algorithm to be implemented in the FTL software for NAND Flash memory.

File Type: PDF

Updated: 10/15/2010

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[SEARCH \(4\) MLC NAND TECHNICAL NOTES](#)

Parts with the same Data Sheet (3)

MT29F16G08CBABAWP-IT (Current)	MT29F16G08CBABAC3	MT29F16G08CBABAL62A3W C1	MT29F16G08CBABAWP
Status	Obsolete	Obsolete	Obsolete
Density	16Gb	16Gb	16Gb

NAND Type	2D	2D	2D	2D
RoHS	Yes	Yes	Yes	Yes
Width	x8	x8	x8	x8
Voltage	3.3V	3.3V	3.3V	3.3V
Package	TSOP	ULGA	Wafer	TSOP
Pin Count	48-pin	52-pad	n/a	48-pin
Op. Temp.	-40C to +85C	0C to +70C	0C to +70C	0C to +70C
	MT/s			
I/O	Common	Common	Common	Common
Product Name				

MT29F16G08CBABAWP-IT
(Current)

Status **Obsolete**

Density **16Gb**

NAND Type **2D**

RoHS **Yes**

Width **x8**

Voltage **3.3V**

Package **TSOP**

Pin Count **48-pin**

Op. Temp. **-40C to +85C**

MT/s

I/O **Common**

Product Name

Where to Buy

Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
Obsolete	N/A	N/A	N/A	N/A	No		VIEW

- OR - Check with Distributors

Your Region:

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Managed NAND
NOR Flash
Hybrid Memory Cube
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Solid State Drives

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