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# MT29F16G08CBACAWP

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SIM MODELS & SOFTWARE

## Data Sheets (1)

Data Sheet



**NAND Flash, MLC, 16/32Gb, Async, Sync L72A**

MLC NAND  
NAND Flash

File Type: PDF

Updated: 09/2012

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## Specs

Orderable Parts for: MT29F16G08CBACAWP

SEE ALL MLC NAND PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F16G08CBACAWP:C	Production	N/A	N/A	N/A	N/A	No		N/A

## Detailed Specifications

Density	16Gb	Status	Production	NAND Type	2D	Width	x8
Voltage	3.3V	Package	TSOP	Pin Count	48-pin	Op. Temp.	0C to +70C
MT/s		Product Name					

# Sim Models & Software

## Sim Models

Verilog



### Verilog: NAND 16/32Gb MLC L72A (ZIP)

MLC NAND  
NAND Flash

16/32Gb Verilog model Rev 7.30

File Type: ZIP

Updated: 08/30/2012

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HSpice



### HSpice: NAND 16/32Gb MLC (Rev C) L72A (ZIP)

MLC NAND  
NAND Flash

Rev. 2.0

File Type: ZIP

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IBIS



### IBIS: NAND 16/32Gb MLC (Rev C) L72A (ZIP)

MLC NAND  
NAND Flash

Rev. 2.0

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Updated: 02/18/2011

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## Software

### Software Support Pack

#### mt-d-and-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 positive 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

#### 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

#### 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

#### 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)

Part-specific certification of how this product meets the requirements of the current DIRECTIVE 2011/65/EU and 2015/863/EU, a.k.a. Restriction of Hazardous Substances (RoHS) Directive (Recast) without exemptions.

File Type: (PDF)

Updated: 08/2018

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### RoHS Certificates

#### China RoHS Certificate (PDF)

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

File Type: (PDF)

Updated: 08/2018

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## Documentation & Support

[See All MLC NAND Documentation](#)

Technical Notes

## Technical Notes

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

(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

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

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## Technical Notes

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

(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

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

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## Customer Service Notes

[SEE ALL CUSTOMER SERVICE NOTES](#)

## Customer Service Note

**Product Marks, Product Labels, and Packaging Labels (PDF)**

(CSN-11) The first section of this customer service note describes the product marks and labels we place on our devices. The second section describes the labels used on and in our packaging.

File Type: PDF

Updated: 08/24/2018

3D XPoint  
Client  
Cloud  
Cloud  
[See More Tags](#)

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## Customer Service Note

**Micron BGA Manufacturer's User Guide (PDF)**

(CSN-33) Provides information to enable customers to easily integrate both leading-edge and legacy Micron's ball grid array (BGA) packages into their manufacturing processes. It is intended as a set of high-level guidelines and a reference manual describing typical package-related and...

File Type: PDF

Updated: 12/10/2014

DDR2 SDRAM  
DDR4 SDRAM  
Embedded USB  
eMMC  
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# Parts with the same Data Sheet (2)



<b>MT29F16G08CBACAWP</b> ( Current )		<b>MT29F16G08CBACAL72A3W</b> <b>C1</b>	<b>MT29F32G08CFACAWP</b>
Status	<b>Production</b>	<b>Production</b>	<b>Obsolete</b>
Density	<b>16Gb</b>	16Gb	<b>32Gb</b>
NAND Type	<b>2D</b>	2D	2D
Width	<b>x8</b>	x8	x8
Voltage	<b>3.3V</b>	3.3V	3.3V
Package	<b>TSOP</b>	<b>Wafer</b>	TSOP
Pin Count	<b>48-pin</b>	<b>n/a</b>	48-pin
Op. Temp.	<b>0C to +70C</b>	0C to +70C	0C to +70C
	MT/s		
	Product Name		

<b>MT29F16G08CBACAWP</b> ( Current )	
Status	<b>Production</b>
Density	<b>16Gb</b>
NAND Type	<b>2D</b>
Width	<b>x8</b>
Voltage	<b>3.3V</b>
Package	<b>TSOP</b>
Pin Count	<b>48-pin</b>
Op. Temp.	<b>0C to +70C</b>
	MT/s
	Product Name

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NOR Flash  
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Multichip Packages  
Memory Cards  
Solid State Drives

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Embedded Memory Solutions  
Federal Solutions  
Financial Services  
Industrial Memory Solutions  
Mobile Memory Solutions  
Networking Innovations

## By Application

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Enterprise SSD Storage  
Supercomputing Memory

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