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MT29F16G08CBACAWP

DATA SHEETS (1)	SPECS	SIM MODELS & SOFTWARE	ROHS CERTIFICATES	DOCUMENTATION & SUPPORT	PARTS WITH THE SAME DATA SHEET (2)	WHERE TO BUY	DATA SHEETS (1)	SPECS	SI MODI SOFT\

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)

16/32Gb Verilog model Rev 7.30

File Type: ZIP   **Updated:** 08/30/2012

MLC NAND
NAND Flash

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HSpice 🔓

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

Rev. 2.0

File Type: ZIP   **Updated:** 02/18/2011

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NAND Flash

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IBIS 🔓

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

Rev. 2.0

File Type: ZIP   **Updated:** 02/18/2011

MLC NAND
NAND Flash

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Software

Software Support Pack

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

MLC NANDs have more bit flips that 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

MLC NAND
NAND Flash

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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
SLC NAND

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Software Support Pack

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

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.

MLC NAND
NAND Flash

File Type: ZIP	**Updated:** 03/31/2016	**DOWNLOAD**

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 **DOWNLOAD**

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**

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 **DOWNLOAD**

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 **DOWNLOAD**

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.

3D NAND
DDR3 SDRAM
DDR4 SDRAM
DRAM
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File Type: PDF   **Updated:** 01/25/2016

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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.

DDR SDRAM
DDR2 SDRAM
DDR3 SDRAM
DDR3L-RS
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File Type: PDF   **Updated:** 02/14/2013

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Customer Service Notes

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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.

3D XPoint
Client
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Cloud
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File Type: PDF   **Updated:** 08/24/2018

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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...

DDR2 SDRAM
DDR4 SDRAM
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File Type: PDF   **Updated:** 12/10/2014

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

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

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