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MT29F128G08CFABBWP-12IT

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Data Sheets (1)

[Data Sheet](#)

Datasheet: NAND 64Gb/128/256Gb MLC Async/Sync, L84A

L84A NAND datasheet 64Gb to 256Gb NAND Flash device

China
MLC NAND
NAND Flash
Taiwan
USA

File Type: PDF

Updated: 12/2013

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Specs

Orderable Parts for: MT29F128G08CFABBWP-12IT

[SEE ALL MLC NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F128G08CFABBWP-12IT:B	Production	N/A	N/A	N/A	N/A	No		N/A

Detailed Specifications

Density	128Gb	Status	Production	NAND Type	2D	RoHS	Yes
Width	x8	Voltage	3.3V	Package	TSOP	Pin Count	48-pin
Op. Temp.	-40C to +85C	MT/s	166 MT/s	I/O	Common	Product Name	

Sim Models & Software

Sim Models

Verilog



Verilog: NAND 64/128/256/512Gb MLC L84A (ZIP)

MLC NAND
NAND Flash

64/128/256/512Gb Verilog model Rev 7.30

File Type: ZIP

Updated: 12/15/2016

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HSpice



HSpice: NAND 64Gb/128/256/512Gb MLC Async/Sync, L84A (ZIP)

MLC NAND
NAND Flash

File Type: ZIP

Updated: 09/19/2012

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IBIS



IBIS: NAND 64Gb/128/256/512Gb MLC Async/Sync, L84A (ZIP)

MLC NAND
NAND Flash

Rev 2.0

File Type: ZIP

Updated: 09/19/2012

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Software

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

mtd-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 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

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

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

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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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT29F128G08CFABBWP-12IT

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)

MT29F128G08CFABBWP-12IT

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 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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Technical Notes

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

(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

MLC NAND
NAND Flash
SLC NAND

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Technical Notes

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

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

File Type: PDF

Updated: 10/15/2010

MLC NAND
NAND Flash
SLC NAND

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Parts with the same Data Sheet (7)

MT29F128G08CFABBWP-12I

MT29F64G08CBABAWP

MT29F64G08CBABAL84A3W

MT29F64G08CBCBBH1-10

T (Current)		C1	
Status	Production	Production	Production
Density	128Gb	64Gb	64Gb
NAND Type	2D	2D	2D
RoHS	Yes	Yes	Yes
Width	x8	x8	x8
Voltage	3.3V	3.3V	3.3V
Package	TSOP	Wafer	VBGA
Pin Count	48-pin	n/a	100-ball
Op. Temp.	-40C to +85C	0C to +70C	0C to +70C
MT/s	166 MT/s	n/a	166 MT/s
I/O	Common	Common	Common
Product Name			

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F128G08CFABBWP-12IT:B	Production	N/A	N/A	N/A	N/A	No		N/A

Contact Your Sales Rep

CONTACT A REP

- OR - Check with Distributors

Your Region: Americas



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Enterprise SSD Storage	Managed NAND	Emerging Technologies		Terms of Use
Mobile Memory Solutions	NOR Flash	Locations		Terms and Conditions of Sale
Networking Innovations	Hybrid Memory Cube	Our Commitment		Privacy
Supercomputing Memory	Multichip Packages	Investor Relations		
Ultrathin Solutions	Solid State Drives			

