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MT29F256G08CJAAAWP-ITZ

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Data Sheets (1)

Data Sheet 🔒

L74A NAND datasheet

L74A NAND datasheet

China
MLC NAND
NAND Flash
Taiwan
USA

File Type: PDF   **Updated:** 08/2016

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Specs

Orderable Parts for: **MT29F256G08CJAAAWP-ITZ**

SEE ALL MLC NAND PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F256G08CJAAAWP-ITZ:A	**Contact Factory**	N/A	N/A	N/A	N/A	No		N/A

Detailed Specifications

Density	256Gb	Status	Contact Factory	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 64/128/256/512Gb MLC (Rev A) L74A (ZIP)

Rev. 2.2

File Type: ZIP   **Updated:** 11/18/2016

MLC NAND
NAND Flash

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HSpice 🔒

HSpice: NAND 64/128/256/512Gb MLC (Rev A) L74A (ZIP)

Rev. 2.1

File Type: ZIP   **Updated:** 02/10/2011

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 dameged in one single master block.

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

MLC NAND
NAND Flash

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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)

MT29F256G08CJAAAWP-ITZ

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:** 11/2016

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RoHS Certificates

China RoHS Certificate (PDF)

MT29F256G08CJAAAWP-ITZ

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

File Type: (PDF)   **Updated:** 11/2016

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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)

(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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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

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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

DOWNLOAD

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

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SEARCH (4) MLC NAND TECHNICAL NOTES

Parts with the same Data Sheet (13)

MT29F256G08CJAAAWP-ITZ (Current)	MT29F512G08CUCABH3-10ITZ	MT29F512G08CUCABH3-10Z	MT29F256G08CMCABH2-12ITZ
Status	**Contact Factory**	Contact Factory	Contact Factory	Contact Factory
Density	**256Gb**	**512Gb**	**512Gb**	256Gb

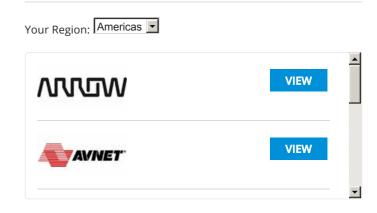|				
NAND Type	**2D**	2D	2D	2D
RoHS	**Yes**	Yes	Yes	Yes
Width	**x8**	x8	x8	x8
Voltage	**3.3V**	3.3V	3.3V	3.3V
Package	**TSOP**	**LBGA**	**LBGA**	**TBGA**
Pin Count	**48-pin**	**100-ball**	**100-ball**	**100-ball**
Op. Temp.	**-40C to +85C**	-40C to +85C	**0C to +70C**	-40C to +85C
MT/s		**200 MT/s**	**200 MT/s**	**166 MT/s**
I/O	**Common**	Common	Common	Common
Product Name				

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F256G08CJAAAWP-ITZ:A	**Contact Factory**	N/A	N/A	N/A	N/A	No		N/A

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