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MT29F256G08AMEBBH7-12

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Data Sheets (1)

Data Sheet

Datasheet: NAND 64/128/256/512Gb, Async/Sync, SLC, M84C

M84C SLC datasheet

China
NAND Flash
SLC NAND
Taiwan
USA

File Type: PDF **Updated:** 10/2014

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Specs

Orderable Parts for: MT29F256G08AMEBBH7-12

[SEE ALL SLC NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F256G08AMEBBH7-12:B	Contact Factory	N/A	NW693	N/A	N/A	No		N/A

Detailed Specifications

Density	256Gb	Status	Contact Factory	RoHS	Yes	Width	x8
Voltage	3.3V	Package	TBGA	Pin Count	152-ball	MT/s	166 MT/s
I/O	Common	Op Temp	0C to +70C				

Sim Models & Software

Software

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

YAFFS mark bad block issue (ZIP)

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

MLC NAND
NAND Flash
SLC NAND

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Software Support Pack



NANDcode Flash Translation Layer (ZIP)

NANDcode is a "C" FTL (Flash Translation Layer) software library for ARM platform.

File Type: ZIP

Updated: 08/08/2014

NAND Flash
SLC NAND

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Software Driver

MT29F, SLC, 60/70 Series (1Gb, 2Gb, 4Gb, 8Gb, 16Gb, 32Gb) General Low-Level Driver for Parallel NAND Flash memory (ZIP)

M60A, M61A, M62B, M68A, M68M, M70M, M71M, M72A, M73A, M79M. Download the technical note for this driver [here](#).

File Type: ZIP

Updated: 04/05/2013

NAND Flash
SLC NAND

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Software Driver



MT29F, SLC, 60 Series (1Gb, 2Gb, 4Gb) General Low-Level Driver for SPI NAND Flash memory (ZIP)

M68A, M69A, M60A

File Type: ZIP

Updated: 12/28/2011

NAND Flash
Serial NAND
SLC NAND

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT29F256G08AMEBBH7 12

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)

MT29F256G08AMEBBH7 12

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 SLC NAND Documentation](#)

Technical Notes

SEARCH (17) SLC NAND TECHNICAL NOTES

Technical Notes



TN-13-49: SLC NAND Device Refresh (PDF)

NAND Flash
SLC NAND

(TN-13-49) This technical note discusses the adverse effects of high temperature and PROGRAM/ERASE (P/E) cycles on flash memory data retention and how the REFRESH operation can be used to mitigate these adverse effects.

File Type: PDF

Updated: 10/31/2016

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Technical Notes



TN-29-58: ONFI NV-DDR2 Design Guide (PDF)

NAND Flash
SLC NAND

(TN-29-58) This technical note explains the device features that enable NV-DDR2 and provides guidelines for system designs to enable I/O transfer rates of up to 400 MT/s using the NV-DDR2 interface.

File Type: PDF

Updated: 09/29/2016

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TN-29-76: Using the Block Lock Feature on MT29F NAND Flash Memory Devices (PDF)

NAND Flash
SLC NAND

(TN-29-76) This technical note describes the block lock feature on Micron's MT29F NAND Flash memory devices.

File Type: PDF

Updated: 08/16/2016

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TN-29-51: Migrating from 50-Series to 60-Series SLC NAND (PDF)

Embedded Memory Solutions
NAND Flash
SLC NAND

(TN-29-51) This technical note supplements the product change notification (PCN) covering the transition from Micron® 50-series (50nm) to 60-series (34nm) single-level cell (SLC) NAND Flash devices.

File Type: PDF

Updated: 08/16/2016

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TN-26-03: How to Read, Program, and Manage Small Page NAND OTP Memory Area (PDF)

NAND Flash
SLC NAND

(TN-26-03) This technical note explains how to read, program, and manage small page NAND memory.

File Type: PDF

Updated: 08/16/2016

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SEARCH (17) SLC NAND TECHNICAL NOTES

Parts with the same Data Sheet (6)

MT29F256G08AMEBBH7-12 (Current)		MT29F64G08ABCBBH6-6IT	MT29F128G08AECBBH6-6IT	MT29F256G08AMCBBH7-6IT
Status	Contact Factory	Production	Production	Production
Density	256Gb	64Gb	128Gb	256Gb
RoHS	Yes	Yes	Yes	Yes
Width	x8	x8	x8	x8
Voltage	3.3V	3.3V	3.3V	3.3V
Package	TBGA	VBGA	VBGA	TBGA

Pin Count	152-ball	152-ball	152-ball	152-ball
MT/s	166 MT/s	333 MT/s	333 MT/s	333 MT/s
I/O	Common	Common	Separate	Common
Op Temp	0C to +70C	-40C to +85C	-40C to +85C	-40C to +85C

Where to Buy

Orderable Parts


	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F256G08AMEBBH7-12:B	Contact Factory	N/A	NW693	N/A	N/A	No		N/A


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- OR - Check with Distributors

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