MT29F128G08CBECBH6-12

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Data Sheets (1)

Data Sheet

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MT29F128G08CBECBH6-12:C

Orderable Part Information

Status	Production	**Alternative Part**	N/A
FBGA Code	NW646	**SPD Data**	N/A
MBQual Data	N/A	**Shipping Media**	N/A
PLP	No	**Start Date**	N/A

Specs

Density	128Gb	**Status**	Production
RoHS	Yes	**Width**	x8
Voltage	3.3V	**Package**	VBGA
Pin Count	152-ball	**MT/s**	166 MT/s
I/O	Common	**Product Name**	

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09/2014	Verilog: MLC 128Gb to 2Tb Async/Sync NAND L95B
08/2014	Datasheet: NAND 128/256/512Gb/1Tb/2Tb, MLC, Async/Sync, L95B

FAQs

- Do you support small block devices?
- How much ECC do I need to support your devices?
- I am using the correct amount of error correction code (ECC) for the NAND device, but I'm still seeing bit/byte errors in data I read back from the NAND device.
- **See all FAQs**

Sim Models & Software

Title & Description	Secure	ID	Updated
HSpice: 128Gb 256Gb 512Gb 1Tb Async Sync NAND: Rev 2.1		L95B	06/2014
IBIS: 128Gb 256Gb 512Gb 1Tb 2Tb Async Sync NAND: Rev 2.1		L95B	06/2014

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MLC NAND FAQs (3)

Do you support small block devices?
How much ECC do I need to support your devices?
I am using the correct amount of error correction code (ECC) for the NAND device, but I'm still seeing bit/byte errors in data I read back from the NAND device.

NAND Flash FAQs (15)

How do I achieve greater PROGRAM/READ throughput for the NAND device?
How is Nvb specified?
I am seeing a lot of READ DISTURB errors. Can you tell me if there is a problem with your part?
I've heard that NAND has too many errors to boot from. Is this true?
Should I be marking blocks bad due to READ errors?
When I issue a Read ID command (90h) to a two-die NAND device, I get a device ID back that states it is a one-die NAND device.
Where can I find additional technical information about Micron NAND devices that is not covered in the device data sheets?
Where can I find simulation models for NAND Flash devices?
Why am I getting a bit/byte error reading back the information I programmed into the NAND device?
Why doesn't the NAND Flash device respond correctly to commands issued to it?
What is a "bank"?
What is the impedance tolerance of the driver in match-impedance mode relative to the expected value base on the perfect reference resistor connected to ZQ pin?
Does thermal information change for IT parts?
My design was based on a specification stating the JTAG was relative to VDD (1.8V), but now we've discovered that JTAG is actually relative to VDDQ (1.5V). It's a fairly significant board spin to change this; what do I risk by leaving the design as-is? I assume that the specification is still for VDDQ + 0.3V = 1.8V, but with CMOS parts there's no way I can guarantee that it won't swing past that on transitions.
Should the ECC memory chip share chip select and CKE signals with the other two main memory chips in our point-to-point application?

Products and Support FAQs (1)

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