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# MTFC4GMWDQ-3M AIT

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| DATA SHEETS (1) | SPECS | SIM MODELS & SOFTWARE | ROHS CERTIFICATES | DOCUMENTATION & SUPPORT | PARTS WITH THE SAME DATA SHEET (3) | WHERE TO BUY |

## Data Sheets (1)

**Data Sheet** 🔒

### 4-32GB eMMC v4.51 LBGA100 (Automotive, IT) Data Sheet

Controller ID= W; J54K, J55U, J56U, J57V

Automotive
Embedded Memory Solutions
eMMC
Managed NAND

**File Type:** PDF          **Updated:** 07/2015

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## Specs

Orderable Parts for: **MTFC4GMWDQ-3M AIT**

| | Status | Media | FBGA Code | SPD Data | Chipset Validation | PLP | Start Date | Alternative Part |
|---|---|---|---|---|---|---|---|---|
| MTFC4GMWDQ-3M AIT | **Production** | N/A | HBBSO | N/A | N/A | No | | N/A |

## Sim Models & Software

### Sim Models

**IBIS**

### IBIS eMMC embedded IT (PS8210 rev DC) (ZIP)

eMMC
Managed NAND

MTFC4GACAAAM-4M IT, MTFC4GACAANA-4M IT, MTFC8GACAAAM-4M IT, MTFC8GACAANA-4M IT, MTFC4GMWDM-3M AIT, MTFC4GMWDQ-3M AIT, MTFC4GMWDQ-AIT, MTFC8GLWDM-3M AIT Z,

MTFC8GLWDM-AIT Z, MTFC8GLWDQ-3M AIT Z, MTFC8GLWDQ-3L AIT Z, MTFC8GLWDQ-AIT Z, MTFC16GLWDM-4M AIT Z, MTFC16GLWDQ-4M AIT Z,...

**File Type:** ZIP        **Updated:** 07/01/2016

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# RoHS Certificates

### RoHS Certificate of Compliance (PDF)

MTFC4GMWDQ-3M AIT

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:** 02/2017

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### China RoHS Certificate (PDF)

MTFC4GMWDQ-3M AIT

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

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# Documentation & Support

See All Documentation

## Technical Notes

**SEARCH (54) TECHNICAL NOTES**

### TN-00-08: Thermal Applications (PDF)

DRAM
Managed NAND
Multichip Packages
NAND Flash
See More Tags

(TN-00-08) Describes some considerations in thermal applications for Micron memory devices

**File Type:** PDF        **Updated:** 01/24/2017

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### 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-29-14: NAND Flash Performance Increase Using PROGRAM PAGE CACHE MODE Command (PDF)

NAND Flash

(TN-29-14) This technical note highlights the significant performance gains realized when using the PROGRAM PAGE CACHE MODE command in Micron's NAND Flash devices.

**File Type:** PDF     **Updated:** 09/29/2016

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**Technical Notes**

### TN-29-25: Improving NAND Flash Performance Using Two-Plane Command Enabled Micron Devices (PDF)

NAND Flash

(TN-29-25) This technical note describes the performance benefits of Micron two-plane commands and provides implementation guidelines for making the best use of two-plane capabilities.

**File Type:** PDF     **Updated:** 09/29/2016

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**Technical Notes**

### TN-29-42: Wear-Leveling Techniques in NAND Flash Devices (PDF)

NAND Flash

(TN-29-42) This technical note highlights the importance of wear leveling, explains two wear-leveling techniques, and discusses implementing wear leveling.

**File Type:** PDF     **Updated:** 09/29/2016

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SEARCH (54) TECHNICAL NOTES

# Customer Service Note

## Customer Service Note

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**Customer Service Note**

### Shipping Quantities (PDF)

DRAM
DRAM Modules
Hybrid Memory Cube
Multichip Packages
See More Tags

(CSN-04) This customer service note describes the standard shipping quantity, box quantity, and types such as tape and reel for Micron's products.

**File Type:** PDF     **Updated:** 07/18/2016

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**Wafer Packaging and Packaging Materials** (PDF)

DRAM
NAND Flash

(CSN-20) Provides complete shipping and recycling information about each of the materials used for shipping Micron's products.

**File Type:** PDF          **Updated:** 06/21/2016

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**SEARCH (2) CUSTOMER SERVICE NOTE**

## Parts with the same Data Sheet (3)

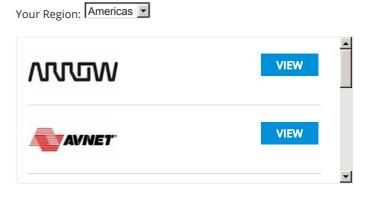| MTFC4GMWDQ-3M AIT ( Current ) | MTFC8GLWDQ-3M AIT Z | MTFC16GLWDQ-4M AIT Z | MTFC32GJWDQ-4M AIT Z |

## Where to Buy

### Orderable Parts

| | Status | Media | FBGA Code | SPD Data | Chipset Validation | PLP | Start Date | Alternative Part |
|---|---|---|---|---|---|---|---|---|
| MTFC4GMWDQ-3M AIT | Production | N/A | HBBSO | N/A | N/A | No | | N/A |

### Contact Your Sales Rep

**CONTACT A REP**

- OR -

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AVNET          **VIEW**

**See All Distributors**

## Solutions

Automotive Memory Solutions
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Data Center
Embedded Memory Solutions
Enterprise SSD Storage
Mobile Memory Solutions
Networking Innovations
Supercomputing Memory
Ultrathin Solutions

## Memory and Storage Products

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DRAM Modules
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Managed NAND
NOR Flash
Hybrid Memory Cube
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Solid State Drives

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