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Home > Products > DRAM > EDFM432A1PH-GD-F

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EDFM432A1PH-GD-F

DATA SHEETS (1)

SPECS

SIM MODELS & SOFTWARE

ROHS CERTIFICATES

DOCUMENTATION & SUPPORT

PARTS WITH THE SAME DATA SHEET (2)

WHERE TO BUY

DATA SHEETS (1)

SPECS

SIM MODELS & SOFTWARE

Data Sheets (1)

Data Sheet



Production Data Sheet: 168-Ball 2E0F Mobile LPDDR3 SDRAM

168-Ball, 12x12, DDP, 3DP, QDP, Single-Channel, LPDDR3 SDRAM

File Type: PDF

Updated: 10/2014

DRAM
Mobile
Mobile LPDDR3

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Specs

Orderable Parts for: EDFM432A1PH-GD-F

SEE ALL LPDRAM PARTS

| | Status | Media | FBGA Code | SPD Data | Chipset Validation | PLP | Start Date | Alternative Part |
|--------------------|------------|-------------|-----------|----------|--------------------|-----|------------|------------------|
| EDFM432A1PH-GD-F-D | Production | Dry Pack | N/A | N/A | N/A | No | | N/A |
| EDFM432A1PH-GD-F-R | Production | Tape & Reel | N/A | N/A | N/A | No | | N/A |

Detailed Specifications

| | | | | | | | |
|------------|--------------|------------|---------|-------------|------------|------------|-------|
| Technology | LPDDR3 | Density | 12Gb | Part Status | Production | RoHS | Yes |
| Depth | 384Mb | Width | x32 | Voltage | 1.2V | Package | VFBGA |
| Pin Count | 168-ball | Clock Rate | 800 MHz | Data Rate | DDR3-1600 | Cycle Time | |
| Op. Temp. | -30C to +85C | Brand | Micron | | | | |

Sim Models & Software

Sim Models

IBIS



IBIS: 168-Ball 2E0F 3DP Mobile LPDDR3 SDRAM (Ball-Height/0.27) (ZIP)

Rev 1.0 168-Ball, 3DP, Single-Channel, LPDDR3 SDRAM

File Type: ZIP

Updated: 08/23/2015

DRAM
Mobile
Mobile LPDDR3

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

Part-specific certification of how this product meets the requirements of the current DIRECTIVE 2011/65/EU and 2015/863/EU, a.k.a. Restriction of Hazardous Substances (RoHS) Directive (Recast) without exemptions.

File Type: (PDF)

Updated: 08/2018

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RoHS Certificates

China RoHS Certificate (PDF)

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

File Type: (PDF)

Updated: 08/2018

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Documentation & Support

[See All LPDRAM Documentation](#)

Technical Notes

SEARCH (9) LPDRAM TECHNICAL NOTES

Technical Note: Low-Power Function of Mobile RAM - Deep Power Down (DPD) (PDF)DRAM
LPDRAM

(E0598E21) This technical note describes Deep Power Down (DPD), one of the low-power functions that have been adapted to Mobile DRAM.

File Type: PDF

Updated: 02/26/2014

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Technical Notes

Technical Note: Low-Power Function of Mobile RAM - Partial Array Self Refresh (PASR) (PDF)DRAM
LPDRAM

(E0597E10) This technical note describes Partial Array Self Refresh (PASR), one of the low-power functions that have been adapted to Mobile DRAM.

File Type: PDF

Updated: 02/26/2014

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Customer Service Notes

[SEE ALL CUSTOMER SERVICE NOTES](#)

Customer Service Note

Product Marks, Product Labels, and Packaging Labels (PDF)3D XPoint
Client
Cloud
Cloud

(CSN-11) The first section of this customer service note describes the product marks and labels we place on our devices. The second section describes the labels used on and in our packaging.

[See More Tags](#)

File Type: PDF

Updated: 08/24/2018

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Customer Service Note

Micron BGA Manufacturer's User Guide (PDF)DDR2 SDRAM
DDR4 SDRAM
Embedded USB
eMMC

(CSN-33) Provides information to enable customers to easily integrate both leading-edge and legacy Micron's ball grid array (BGA) packages into their manufacturing processes. It is intended as a set of high-level guidelines and a reference manual describing typical package-related and...

[See More Tags](#)

File Type: PDF

Updated: 12/10/2014

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Parts with the same Data Sheet (2)

(Current)

| Part Status | Production | End of Life | Obsolete |
|-------------|--------------|--------------|--------------|
| Technology | LPDDR3 | LPDDR3 | LPDDR3 |
| Density | 12Gb | 8Gb | 16Gb |
| RoHS | Yes | Yes | Yes |
| Depth | 384Mb | 256Mb | 512Mb |
| Width | x32 | x32 | x32 |
| Voltage | 1.2V | 1.2V | 1.2V |
| Package | VFBGA | VFBGA | FBGA |
| Pin Count | 168-ball | 168-ball | 168-ball |
| Clock Rate | 800 MHz | 800 MHz | 800 MHz |
| Data Rate | DDR3-1600 | DDR3-1600 | DDR3-1600 |
| Cycle Time | | | |
| Op. Temp. | -30C to +85C | -30C to +85C | -30C to +85C |
| Brand | Micron | Micron | Micron |


EDFM432A1PH-GD-F
(Current)


| Part Status | Production |
|-------------|------------|
| Technology | LPDDR3 |
| Density | 12Gb |
| RoHS | Yes |
| Depth | 384Mb |
| Width | x32 |
| Voltage | 1.2V |
| Package | VFBGA |
| Pin Count | 168-ball |
| Clock Rate | 800 MHz |
| Data Rate | DDR3-1600 |

Where to Buy

- OR - Check with Distributors

Your Region:

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[See All Distributors](#)

| | |
|------------|---------------------|
| Cycle Time | |
| Op. Temp. | -30C to +85C |
| Brand | Micron |

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