

Home > Products > DRAM > EDF8132A3MA-GD-F

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EDF8132A3MA-GD-F

DATA SHEETS (1)

SPECS

SIM MODELS & SOFTWARE

ROHS CERTIFICATES

DOCUMENTATION & SUPPORT

PARTS WITH THE SAME DATA SHEET (3)

WHERE TO BUY

DATA SHEETS (1)

SPECS

SIM MODELS & SOFTWARE

Data Sheets (1)

Data Sheet



Production Data Sheet: 178-Ball 2E0F Mobile LPDDR3 SDRAM

178-Ball, DDP, QDP, Single-Channel, LPDDR3 SDRAM

File Type: PDF Updated: 10/2014

DRAM Mobile Mobile LPDDR3

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Specs

Orderable Parts for: EDF8132A3MA-GD-F

SEE ALL LPDRAM PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDF8132A3MA-GD-F-D	Contact Factory	Dry Pack	N/A	N/A	N/A	No		N/A
EDF8132A3MA-GD-F-R	Contact Factory	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	8Gb	Part Status	Contact Factory	RoHS	Yes
Depth	256Mb	Width	x32	Voltage	1.2V	Package	VFBGA
Pin Count	178-ball	Clock Rate	800 MHz	Data Rate	DDR3-1600	Cycle Time	
Op. Temp.	-30C to +85C	Brand	Micron				

Sim Models & Software

Sim Models

Verilog



Verilog: 4Gb Mobile LPDDR3 2E0F (ZIP)

DRAM
Mobile LPDDR3

Verilog simulation model for 4Gb Mobile LPDDR3

File Type: ZIP

Updated: 01/23/2018

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IBIS



IBIS: 178-Ball 2E0F DDP Mobile LPDDR3 SDRAM (ZIP)

DRAM
Mobile
Mobile LPDDR3

Rev 1.0 178-Ball, DDP, Single-Channel, LPDDR3 SDRAM

File Type: ZIP

Updated: 09/02/2014

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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.

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Documentation & Support

Technical Notes

[SEARCH \(9\) LPDRAM TECHNICAL NOTES](#)

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[DOWNLOAD](#)

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[DOWNLOAD](#)

Customer Service Notes

[SEE ALL CUSTOMER SERVICE NOTES](#)

Customer Service Note

Product Marks, Product Labels, and Packaging Labels (PDF)

[3D XPoint](#)
[Client](#)
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(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.

File Type: PDF**Updated:** 08/24/2018[DOWNLOAD](#)

Customer Service Note

Micron BGA Manufacturer's User Guide (PDF)

[DDR2 SDRAM](#)
[DDR4 SDRAM](#)
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(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...

File Type: PDF**Updated:** 12/10/2014[DOWNLOAD](#)

Parts with the same Data Sheet (3)

EDF8132A3MA-GD-F (Current)		EDFA232A2MA-GD-F	EDFA232A2MA-JD-F	EDF8132A3MA-JD-F
Part Status	Contact Factory	Contact Factory	Obsolete	End of Life
Technology	LPDDR3	LPDDR3	LPDDR3	LPDDR3
Density	8Gb	16Gb	16Gb	8Gb
RoHS	Yes	Yes	Yes	Yes
Depth	256Mb	512Mb	512Mb	256Mb
Width	x32	x32	x32	x32
Voltage	1.2V	1.2V	1.2V	1.2V
Package	VFBGA	VFBGA	VFBGA	VFBGA
Pin Count	178-ball	178-ball	178-ball	178-ball
Clock Rate	800 MHz	800 MHz	933 MHz	933 MHz
Data Rate	DDR3-1600	DDR3-1600	DDR3-1866	DDR3-1866
Cycle Time				
Op. Temp.	-30C to +85C	-30C to +85C	-30C to +85C	-30C to +85C
Brand	Micron	Micron	Micron	Micron

EDF8132A3MA-GD-F (Current)	
Part Status	Contact Factory
Technology	LPDDR3
Density	8Gb
RoHS	Yes
Depth	256Mb
Width	x32
Voltage	1.2V

Where to Buy

- OR - Check with Distributors

Your Region: Americas

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Package	VFBGA
Pin Count	178-ball
Clock Rate	800 MHz
Data Rate	DDR3-1600
Cycle Time	
Op. Temp.	-30C to +85C
Brand	Micron

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