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Home > Products > DRAM > EDF8164A3MA-JD-F

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EDF8164A3MA-JD-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: 8Gb, 16Gb: 253-Ball, Dual-Channel 2E0F Mobile LPDDR3 SDRAM

253-ball, 11x11, DDP, QDP, Dual-Channel, LPDDR3 SDRAM

File Type: PDF

Updated: 02/2015

DRAM
Mobile
Mobile LPDDR3

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Specs

Orderable Parts for: EDF8164A3MA-JD-F

SEE ALL LPDRAM PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDF8164A3MA-JD-F-D	Obsolete	N/A	N/A	N/A	N/A	No		N/A
EDF8164A3MA-JD-F-R	Contact Factory	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	8Gb	Part Status	End of Life	RoHS	Yes
Depth	128Mb	Width	x64	Voltage	1.2V	Package	VFBGA
Pin Count	253-ball	Clock Rate	933 MHz	Data Rate	DDR3-1866	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: 253-ball 2E0F DDP Mobile LPDDR3 SDRAM (ZIP)

DRAM
Mobile
Mobile LPDDR3

Rev 1.0 253-ball, DDP, 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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Updated: 08/2018

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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

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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
[See More Tags](#)

(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

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Customer Service Note

Micron BGA Manufacturer's User Guide (PDF)

DDR2 SDRAM
DDR4 SDRAM
Embedded USB
eMMC
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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

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Parts with the same Data Sheet (3)

EDF8164A3MA-JD-F (Current)		EDFA164A2MA-GD-F	EDFA164A2MA-JD-F	EDF8164A3MA-GD-F
Part Status	End of Life	End of Life	End of Life	End of Life
Technology	LPDDR3	LPDDR3	LPDDR3	LPDDR3
Density	8Gb	16Gb	16Gb	8Gb
RoHS	Yes	Yes	Yes	Yes
Depth	128Mb	256Mb	256Mb	128Mb
Width	x64	x64	x64	x64
Voltage	1.2V	1.2V	1.2V	1.2V
Package	VFBGA	VFBGA	VFBGA	VFBGA
Pin Count	253-ball	253-ball	253-ball	253-ball
Clock Rate	933 MHz	800 MHz	933 MHz	800 MHz
Data Rate	DDR3-1866	DDR3-1600	DDR3-1866	DDR3-1600
Cycle Time				
Op. Temp.	-30C to +85C	-30C to +85C	-30C to +85C	-30C to +85C
Brand	Micron	Micron	Micron	Micron

EDF8164A3MA-JD-F (Current)	
Part Status	End of Life
Technology	LPDDR3
Density	8Gb
RoHS	Yes
Depth	128Mb
Width	x64
Voltage	1.2V

Where to Buy

- OR - Check with Distributors

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Package	VFBGA
Pin Count	253-ball
Clock Rate	933 MHz
Data Rate	DDR3-1866
Cycle Time	
Op. Temp.	-30C to +85C
Brand	Micron

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