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EDF8164A3PF-JD-F

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Data Sheets (1)

[Data Sheet](#)

Production Data Sheet: 8Gb, 16Gb: 256-Ball, Dual-Channel 2E0F Mobile LPDDR3 SDRAM

256-Ball, DDP, QDP, Dual-Channel, LPDDR3 SDRAM

File Type: PDF

Updated: 10/2014

DRAM
Mobile LPDDR3
Mobile Memory Solutions

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Specs

Orderable Parts for: EDF8164A3PF-JD-F

[SEE ALL LPDRAM PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDF8164A3PF-JD-F-D	Production	Dry Pack	N/A	N/A	N/A	No		N/A
EDF8164A3PF-JD-F-R	Production	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	8Gb	Part Status	Production	RoHS	Yes
Depth	128Mb	Width	x64	Voltage	1.2V	Package	WFBGA
Pin Count	256-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: 09/07/2016

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IBIS



IBIS: 256-Ball 2E0F Mobile LPDDR3 SDRAM (ZIP)

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Rev 1.0 256-Ball, DDP, Single-Channel, LPDDR3 SDRAM

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

EDF8164A3PF-JD-F

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.

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RoHS Certificates

China RoHS Certificate (PDF)

EDF8164A3PF-JD-F

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

Technical Note: Low-Power Function of Mobile RAM - Auto Temperature Compensated Self Refresh (ATCSR) (PDF)

DRAM
LPDRAM

(E0599E20) This technical note describes Auto Temperature Compensated Self Refresh (ATCSR), 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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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

TN-00-01: Moisture Sensitivity of Plastic Packages (PDF)

DDR SDRAM
DDR2 SDRAM
DDR3 SDRAM
DDR3L-RS
[See More Tags](#)

(TN-00-01) This technical note describes shipping procedures for preventing memory devices from absorbing moisture and recommendations for baking devices exposed to excessive moisture.

File Type: PDF

Updated: 02/14/2013

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Technical Notes

TN-46-23: Backward Compatibility for Faster LPDDR SDRAM (PDF)

DRAM
LPDRAM
Mobile Memory Solutions

(TN-46-23) This technical note reviews the timing differences between the faster and slower LPDDR SDRAM speeds and explains how faster parts function compatibly with slower parts.

File Type: PDF

Updated: 02/04/2013

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Parts with the same Data Sheet (1)

EDF8164A3PF-JD-F (Current)		EDF8164A3PF-GD-F	
Part Status	Production	Production	
Technology	LPDDR3	LPDDR3	
Density	8Gb	8Gb	
RoHS	Yes	Yes	
Depth	128Mb	128Mb	
Width	x64	x64	
Voltage	1.2V	1.2V	
Package	WFBGA	WFBGA	
Pin Count	256-ball	256-ball	
Clock Rate	933 MHz	800 MHz	
Data Rate	DDR3-1866	DDR3-1600	
Cycle Time			
Op. Temp.	-30C to +85C	-30C to +85C	
Brand	Micron	Micron	

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDF8164A3PF-JD-F-D	Production	Dry Pack	N/A	N/A	N/A	No		N/A

EDF8164A3PF-JD-F-R	Production	Tape & Reel	N/A	N/A	N/A	No	N/A
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