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EDFA232A2PF-GD-F

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| DATA SHEETS (1) | SPECS | SIM MODELS & SOFTWARE | ROHS CERTIFICATES | DOCUMENTATION & SUPPORT | PARTS WITH THE SAME DATA SHEET (2) | WHERE TO BUY |

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 LPDDR3
Mobile Memory Solutions

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Specs

Orderable Parts for: EDFA232A2PF-GD-F

SEE ALL LPDRAM PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDFA232A2PF-GD-F-D	Production	Dry Pack	N/A	N/A	N/A	No		N/A
EDFA232A2PF-GD-F-R	Production	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	16Gb	Part Status	Production	RoHS	Yes
Depth	512Mb	Width	x32	Voltage	1.2V	Package	FBGA
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

Verilog 🔓

Verilog: 4Gb Mobile LPDDR3 2E0F (ZIP)

Verilog simulation model for 4Gb Mobile LPDDR3

DRAM
Mobile LPDDR3

File Type: ZIP   **Updated:** 09/07/2016

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IBIS 🔒

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

Rev 1.0 168-Ball, QDP, Single-Channel, LPDDR3 SDRAM

DRAM
Mobile LPDDR3
Mobile Memory Solutions

File Type: ZIP   **Updated:** 08/23/2015

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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 2002/95/EC, a.k.a. Restriction of Hazardous Substances (RoHS) Directive.

EDFA232A2PF-GD-F

File Type: (PDF)   **Updated:** 01/2017

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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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File Type: (PDF)   **Updated:** 01/2017

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Documentation & Support

See All LPDRAM Documentation

Technical Notes

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 - 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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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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SEARCH (9) LPDRAM TECHNICAL NOTES

Parts with the same Data Sheet (2)

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EDFA232A2PF-GD-F (Current)	EDF8132A3PF-GD-F	EDFM432A1PH-GD-F
Part Status	**Production**	**Production**	**Production**
Technology	**LPDDR3**	LPDDR3	LPDDR3
Density	**16Gb**	**8Gb**	**12Gb**
RoHS	**Yes**	Yes	Yes
Depth	**512Mb**	**256Mb**	**384Mb**
Width	**x32**	x32	x32
Voltage	**1.2V**	1.2V	1.2V
Package	**FBGA**	**VFBGA**	**VFBGA**
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

<div style="text-align: center;">

Where to Buy

</div>

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDFA232A2PF-GD-F-D	**Production**	Dry Pack	N/A	N/A	N/A	No		N/A

EDFA232A2PF-GD-F-R	Production	Tape & Reel	N/A	N/A	N/A	No		N/A

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