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EDFA232A2PB-GD-F

DATA SHEETS (1)

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SPECS

SIM MODELS & SOFTWARE

Data Sheets (1)

Data Sheet



Production Data Sheet: 216-Ball Single-Channel 2E0F Mobile LPDDR3 SDRAM

216-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: EDFA232A2PB-GD-F

SEE ALL LPDRAM PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDFA232A2PB-GD-F-D	Obsolete	Dry Pack	N/A	N/A	N/A	No		N/A
EDFA232A2PB-GD-F-R	Obsolete	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	16Gb	Part Status	Obsolete	RoHS	Yes
Depth	512Mb	Width	x32	Voltage	1.2V	Package	VFBGA
Pin Count	216-ball	Clock Rate	800 MHz	Data Rate	DDR3-1600	Cycle Time	

Sim Models & Software

Sim Models

Verilog



Verilog: 4Gb Mobile LPDDR3 2E0F (ZIP)

Verilog simulation model for 4Gb Mobile LPDDR3

File Type: ZIP

Updated: 09/07/2016

DRAM
Mobile LPDDR3

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IBIS



IBIS: 216-Ball 2E0F QDP 12x12 1ch Mobile LPDDR3 SDRAM (ZIP)

Rev 1.0 216-Ball, QDP, Single-Channel, LPDDR3 SDRAM

File Type: ZIP

Updated: 09/02/2014

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

File Type: (PDF)

Updated: 09/2017

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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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Updated: 09/2017

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Documentation & Support

[See All LPDRAM Documentation](#)

Technical Notes

SEARCH (3) LPDRAM TECHNICAL NOTES

Technical Notes

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

(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

[DDR SDRAM](#)
[DDR2 SDRAM](#)
[DDR3 SDRAM](#)
[DDR3L-RS](#)
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Technical Notes

TN-00-19: Thinning Considerations for Wafer Products (PDF)

(TN-00-19) This technical note provides information on optimal wafer-thinning processes to meet specific customer requirements.

File Type: PDF

Updated: 10/15/2009

[DDR SDRAM](#)
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[DDR3 SDRAM](#)
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Technical Notes

TN-46-12: Mobile DRAM Power-Saving Features and Calculations (PDF)

(TN-46-12) This technical note addresses the power-saving features and power calculations of low-power Mobile LPDRAM memory.

File Type: PDF

Updated: 05/16/2009

[DRAM](#)
[LPDRAM](#)
[Mobile](#)
[Power Efficiency](#)

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SEARCH (3) LPDRAM TECHNICAL NOTES

Parts with the same Data Sheet (5)

EDFA232A2PB-GD-F (Current)	EDFA232A2PB-JD-F	EDF8132A3PB-GD-F	EDF8132A3PB-JD-F
Part Status Obsolete	Obsolete	Contact Factory	Obsolete
Technology Downloaded from Arrow.com LPDDR2	LPDDR3	LPDDR3	LPDDR3

Density	16Gb	16Gb	8Gb	8Gb
RoHS	Yes	Yes	Yes	Yes
Depth	512Mb	512Mb	256Mb	256Mb
Width	x32	x32	x32	x32
Voltage	1.2V	1.2V	1.2V	1.2V
Package	VFBGA	VFBGA	WFBGA	WFBGA
Pin Count	216-ball	216-ball	216-ball	216-ball
Clock Rate	800 MHz	933 MHz	800 MHz	933 MHz
Data Rate	DDR3-1600	DDR3-1866	DDR3-1600	DDR3-1866
Cycle Time				
Op. Temp.	-30C to +85C	-30C to +85C	-30C to +85C	-30C to +85C
Brand	Micron	Micron	Micron	Micron

EDFA232A2PB-GD-F
(Current)

Part Status **Obsolete**

Where to Buy

Technology	LPDDR3
Density	16Gb
RoHS	Yes
Depth	512Mb
Width	x32
Voltage	1.2V
Package	VFBGA
Pin Count	216-ball
Clock Rate	800 MHz
Data Rate	DDR3-1600
Cycle Time	
Op. Temp.	-30C to +85C
Brand	Micron

	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
te	Dry Pack	N/A	N/A	N/A	No		N/A
te	Tape & Reel	N/A	N/A	N/A	No		N/A

- OR - Check with Distributors

Your Region:



VIEW



VIEW

Products

- DRAM
- DRAM Modules
- NAND Flash
- Managed NAND
- NOR Flash
- Hybrid Memory Cube
- Multichip Packages
- Memory Cards
- Solid State Drives

Solutions

- By Industry
 - Automotive Memory Solutions
 - Consumer/Connected Home
 - Embedded Memory Solutions
 - Federal Solutions
 - Financial Services
 - Industrial Memory Solutions
 - Mobile Memory Solutions
 - Networking Innovations

By Application

- Client SSD Storage
- Hyperscale/Private Cloud
- Data Center
- Storage Data Security
- Enterprise SSD Storage
- Supercomputing Memory

Support

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- Authorized Sales
- Authorized Distributors
- Legal
- Site Map
- Surplus Equipment

About

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- Locations
- Our Commitment
- Investor Relations
- Suppliers

