



Home > Memory and Storage Products > DRAM > EDF8164A3PF-GD-F

[ADD](#)[EMAIL](#)

EDF8164A3PF-GD-F

[DATA SHEETS \(1\)](#)[SPECS](#)[SIM MODELS & SOFTWARE](#)[ROHS CERTIFICATES](#)[DOCUMENTATION & SUPPORT](#)[PARTS WITH THE SAME DATA SHEET \(1\)](#)[WHERE TO BUY](#)

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

[VIEW](#)[DOWNLOAD](#)

Specs

Orderable Parts for: EDF8164A3PF-GD-F

[SEE ALL LPDRAM PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
EDF8164A3PF-GD-F-D	Production	Dry Pack	N/A	N/A	N/A	No		N/A
EDF8164A3PF-GD-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	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: 09/07/2016

DOWNLOAD

IBIS



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

DRAM
Mobile LPDDR3
Mobile Memory Solutions

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

File Type: ZIP

Updated: 09/02/2014

DOWNLOAD

RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

EDF8164A3PF-GD-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.

File Type: (PDF)

Updated: 01/2017

DOWNLOAD

RoHS Certificates

China RoHS Certificate (PDF)

EDF8164A3PF-GD-F

Part-specific certification as required by China's Management Methods for Controlling Pollution by Electronic Information Products.

File Type: (PDF)

Updated: 01/2017

DOWNLOAD

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

[DOWNLOAD](#)

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](#)

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

[DOWNLOAD](#)

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

[DOWNLOAD](#)

Parts with the same Data Sheet (1)

EDF8164A3PF-GD-F (Current)		EDF8164A3PF-JD-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	800 MHz	933 MHz	
Data Rate	DDR3-1600	DDR3-1866	
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-GD-F-D	Production	Dry Pack	N/A	N/A	N/A	No		N/A

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

Contact Your Sales Rep

CONTACT A REP

- OR - Check with Distributors

Your Region: Americas



VIEW



VIEW

See All Distributors

- Solutions

Automotive Memory Solutions
Client SSD Storage
Data Center
Embedded Memory Solutions
Enterprise SSD Storage
Mobile Memory Solutions
Networking Innovations
Supercomputing Memory
Ultrathin Solutions
- Memory and Storage Products

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

Our Company
News and Events
Micron Blogs
Micron Foundation
Emerging Technologies
Locations
Our Commitment
Investor Relations
- Support

Sales Network
Authorized Distributors
Contact Us
Jobs
- Contact Us

Sales Network
Authorized Sales
Site Map
Surplus Equipment
Terms of Use
Terms and Conditions of Sale
Privacy



©2017 Micron Technology, Inc. All rights reserved. Information, products, and/or specifications are subject to change without notice. All information is provided on an "AS IS" basis without warranties of any kind. Drawings may not be to scale. Micron, the Micron logo, and all other Micron trademarks are the property of Micron Technology, Inc. All other trademarks are the property of their respective owners.