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MT53B256M32D1DS-062 AAT

DATA SHEETS (2) | SPECS | SIM MODELS & SOFTWARE | ROHS CERTIFICATES | DOCUMENTATION & SUPPORT | PARTS WITH THE SAME DATA SHEET (5) | WHERE TO BUY | DATA SHEETS (2) | SPECS | SIM MODELS & SOFTWARE

Data Sheets (2)

Data Sheet 


200-Ball Z91M Automotive LPDDR4 SDRAM

MT53B256M32D1, MT53B512M32D2

Automotive DRAM Embedded Mobile LPDDR4

File Type: PDF **Updated:** 05/2018

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Data Sheet 

Production Data Sheet: 200-Ball Z01M LPDDR4 SDRAM Automotive

MT53B256M32D1NP-062 AAT:C, MT53B256M32D1NP-062 AIT:C, MT53B256M32D1NP-062 AUT:C, MT53B512M32D2NP-062 AAT:C, MT53B512M32D2NP-062 AIT:C, MT53B512M32D2NP-062 AUT:C

Automotive DRAM Mobile LPDDR4

File Type: PDF **Updated:** 05/2018

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Specs

Orderable Parts for: MT53B256M32D1DS-062 AAT

[SEE ALL LPDRAM PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT53B256M32D1DS-062 AAT:C	Sampling	N/A	D9VXW	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR4	Density	8Gb	Part Status	Contact Factory	RoHS	Yes
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Depth	256Mb	Width	x32	Voltage	1.1V	Package	WFBGA
Pin Count	200-ball	Clock Rate	1600 MHz	Data Rate	DDR4-3200	Cycle Time	
Op. Temp.	-40C to +105C	Brand	Micron				

Sim Models & Software

Sim Models

IBIS



Z01M IBIS (ZIP)

DRAM
Mobile LPDDR4

Z01M Mobile LPDDR4 SDRAM, Die Rev. C, SDP, DDP, QDP, 200b, 272b, 366b, 432b

File Type: ZIP

Updated: 07/05/2018

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HSpice



Z01M HSPICE (ZIP)

DRAM
Mobile LPDDR4

Z01M Mobile LPDDR4 SDRAM, Die Rev. C

File Type: ZIP

Updated: 03/15/2017

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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: 07/2018

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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.

File Type: (PDF)

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Documentation & Support

[See All LPDRAM Documentation](#)

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: 03/08/2018

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Customer Service Note

[Micron BGA Manufacturer's User Guide \(PDF\)](#)

DDR2 SDRAM
DDR4 SDRAM
Embedded USB

(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...

eMMC
See More Tags

File Type: PDF

Updated: 12/10/2014

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Parts with the same Data Sheet (5)

MT53B256M32D1DS-062 AA T (Current)		MT53B256M32D1DS-062 AIT	MT53B256M32D1DS-062 AU T	MT53B256M32D1NP-062 AU T
Part Status	Contact Factory	Sampling	Sampling	Production
Technology	LPDDR4	LPDDR4	LPDDR4	LPDDR4
Density	8Gb	8Gb	8Gb	8Gb
RoHS	Yes	Yes	Yes	Yes
Depth	256Mb	256Mb	256Mb	256Mb
Width	x32	x32	x32	x32
Voltage	1.1V	1.1V	1.1V	1.1V
Package	WFBGA	WFBGA	WFBGA	WFBGA
Pin Count	200-ball	200-ball	200-ball	200-ball
Clock Rate	1600 MHz	1600 MHz	1600 MHz	1600 MHz
Data Rate	DDR4-3200	DDR4-3200	DDR4-3200	DDR4-3200
Cycle Time				
Op. Temp.	-40C to +105C	-40C to +95C	-40C to +125C	-30C to +85C
Brand	Micron	Micron	Micron	Micron

MT53B256M32D1DS-062 AA
T
(Current)

Part Status	Contact Factory
Technology	LPDDR4
Density	8Gb
RoHS	Yes

Where to Buy

- OR - Check with Distributors

Your Region:



Depth	256Mb
Width	x32
Voltage	1.1V
Package	WFBGA
Pin Count	200-ball

Clock Rate	1600 MHz
Data Rate	DDR4-3200
Cycle Time	
Op. Temp.	-40C to +105C
Brand	Micron

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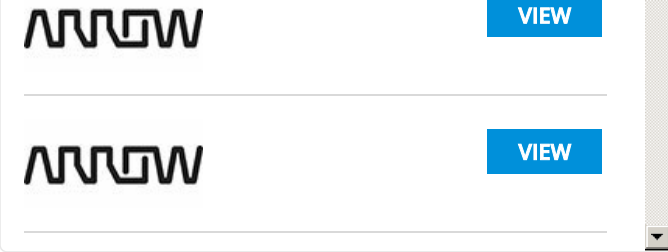
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