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## MT53B256M32D1NP-053 WT

SIM MODELS & SOFTWARE **SPECS** 

ROHS CERTIFICATES

DOCUMENTATION & SUPPORT

PARTS WITH DATA SHEET

WHERE

**SPECS** 

Data Sheets (1)

Data Sheet

### Production Data Sheet: 200-Ball Z01M Embedded LPDDR4 SDRAM

MT53B256M32D1, MT53B512M32D2, MT53B1024M32D4

File Type: PDF

**Updated:** 07/2018

DRAM Embedded Mobile LPDDR4

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# Specs

### Orderable Parts for: MT53B256M32D1NP-053 WT

**SEE ALL 8GB LPDRAM PARTS** 

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT53B256M32D1NP-053 WT:C	Production	N/A	D9VTH	N/A	N/A	No		N/A

### **Detailed Specifications**

Technology	LPDDR4	Density	8Gb	Part Status	Production	RoHS	Yes
Depth	256Mb	Width	x32	Voltage	1.1V	Package	WFBGA
Pin Count	200-ball	Clock Rate	1866 MHz	Data Rate	DDR4-3733	Cycle Time	
Op. Temp.	-30C to +85C	Brand	Micron				

## Sim Models & Software

### Sim Models



### **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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### **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)

**Updated:** 07/2018

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## Documentation & Support

See All LPDRAM Documentation

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.

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**File Type:** PDF **Updated:** 03/08/2018

### **Customer Service Note**

### Micron BGA Manufacturer's User Guide (PDF)

DDR2 SDRAM DDR4 SDRAM Embedded USB eMMC See More Tags

(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...

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**File Type:** PDF **Updated:** 12/10/2014

# Parts with the same Data Sheet (5)

MT53B256M32D1NP-053 WT ( Current )		MT53B256M32D1NP-062 WT	MT53B256M32D1DS-062 XT	MT53B512M32D2NP-062 WT	
Part Status	Production	Production	Sampling	Production	
Technology	LPDDR4	LPDDR4	LPDDR4	LPDDR4	
Density	8Gb	8Gb	8Gb	16Gb	
RoHS	Yes	Yes	Yes	Yes	
Depth	256Mb	256Mb	256Mb	512Mb	
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	1866 MHz	1600 MHz	1600 MHz	1600 MHz	
Data Rate	DDR4-3733	DDR4-3200	DDR4-3200	DDR4-3200	
	Cycle Time				
Op. Temp.	-30C to +85C	-30C to +85C	-30C to +105C	-30C to +85C	
Brand	Micron	Micron	Micron	Micron	

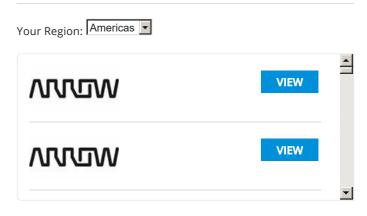
## MT53B256M32D1NP-053 WT

(Current)

Part Status	Production
Technology	LPDDR4
Density	8Gb
RoHS	Yes
Depth	256Mb
Width	x32
Voltage	1.1V
Package	WFBGA
Pin Count	200-ball

# Where to Buy

- OR - Check with Distributors



**See All Distributors** 

Clock Rate	1866 MHz				
Data Rate	DDR4-3733	ns	By Application	Support	About
	Cycle Time	estry		Contact Us	Our Company
Op. Temp.	-30C to +850	ive Memory Solutions er ed Memory Solutions	Cloud  Data Center  Storage Data Security	Downloads  Data Center Sales Support  Itorage Data Security Sales Network  Interprise SSD Storage Authorized Sales	News and Events Micron Blogs Jobs Micron Foundation History of Innovation Locations
Brand	Micron	Solutions	Enterprise SSD Storage Supercomputing Memory		
Memory Cards	5	ndustrial Memory Solutions Mobile Memory Solutions Jetworking Innovations		Legal Site Map Surplus Equipment	Our Commitment Investor Relations Suppliers





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