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MT52L1G32D4PG-107 WT



SPECS

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PARTS WITH THE SAME DATA SHEET (2)

WHERE TO BUY

Data Sheets (1)

Data Sheet

Production Data Sheet: V01M 178-Ball Single-Channel Mobile LPDDR3 SDRAM

178-Ball, SDP, DDP, QDP, Single-Channel, LPDDR3 SDRAM

File Type: PDF

Updated: 04/2016

DRAM Mobile LPDDR3

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Specs

Orderable Parts for: MT52L1G32D4PG-107 WT

SEE ALL LPDRAM PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT52L1G32D4PG-107 WT:B	Production	N/A	D9SSK	N/A	N/A	No		N/A

Detailed Specifications

Technology	LPDDR3	Density	32Gb	Part Status	Production	RoHS	Yes
Depth	1Gb	Width	x32	Voltage	1.2V	Package	VFBGA
Pin Count	178-ball	Clock Rate	933 MHz	Data Rate	DDR3-1866	Cycle Time	1.071ns
Op. Temp.	-30C to +85C	Brand	Micron				

Sim Models & Software

Sim Models



Verilog: 8Gb Mobile LPDDR3 V01M (ZIP)

DRAM Mobile LPDDR3

Verilog simulation model for 8Gb Mobile LPDDR3

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File Type: ZIP

Updated: 09/09/2016



IBIS: V01M Die 168-Ball / 178-Ball / 256-Ball / 253-Ball /216-Ball / SDP_DDP_TDP_QDP_8DP Mobile LPDDR3 SDRAM (ZIP)

DRAM Mobile LPDDR3 Mobile Memory Solutions

Rev 1.3_XT/WT, Rev 1.0_IT, Die, 168-Ball, 178-Ball, 256-Ball, 253-Ball, 216-Ball, SDP, DDP, TDP, QDP, 8DP, LPDDR3 SDRAM

File Type: ZIP

Updated: 07/14/2016

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

MT52L1G32D4PG 107 WT

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

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RoHS Certificates

China RoHS Certificate (PDF)

MT52L1G32D4PG 107 WT

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

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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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

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

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.

DDR SDRAM

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

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(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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Downloaded from Arrow.com.

Parts with the same Data Sheet (2)

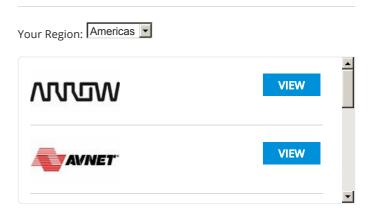
MT52L1G32D4PG-107 WT (Current)		MT52L256M32D1PF-107 WT	MT52L512M32D2PF-107 WT		
Part Status	Production	Production	Production		
Technology	LPDDR3	LPDDR3	LPDDR3		
Density	32Gb	8Gb	16Gb		
RoHS	Yes	Yes	Yes		
Depth	1Gb	256Mb	512Mb		
Width	x32	x32	x32		
Voltage	1.2V	1.2V	1.2V		
Package	VFBGA	WFBGA	WFBGA		
Pin Count	178-ball	178-ball	178-ball		
Clock Rate	933 MHz	933 MHz	933 MHz		
Data Rate	DDR3-1866	DDR3-1866	DDR3-1866		
Cycle Time	1.071ns	1.071ns	1.071ns		
Op. Temp.	-30C to +85C	-30C to +85C	-30C to +85C		
Brand	Micron	Micron	Micron		

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT52L1G32D4PG-107 WT:B	Production	N/A	D9SSK	N/A	N/A	No		N/A

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