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MT35XU512ABA1G12-0SIT

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Data Sheets (1)

Data Sheet

MT35X Micron Xccela™ Flash Memory, 512Mb, 1.8V, Octal I/O

Automotive Embedded MT35X NOR Flash Xccela Flash

File Type: PDF **Updated:** 06/2017

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Specs

Orderable Parts for: MT35XU512ABA1G12-0SIT

[SEE ALL XCELA™ FLASH PARTS](#)

| | Status | Media | FBGA Code | SPD Data | Chipset Validation | PLP | Start Date | Alternative Part |
|-----------------------|----------|-------|-----------|----------|--------------------|-----|------------|------------------|
| MT35XU512ABA1G12-0SIT | Sampling | N/A | RW273 | N/A | N/A | No | | N/A |

Detailed Specifications

| | | | | | | | |
|----------------|--------------|--------------------|----------|------------------|------------|----------------|-----------|
| Density | 512Mb | Part Status | Sampling | Width | x1/x8 | Voltage | 1.7V-2.0V |
| Package | T-PBGA | Pin Count | 24-ball | Speed | 200 MHz | RoHS | Yes |
| Op Temp | -40C to +85C | Part Family | MT35X | Interface | Xccela Bus | Type | Octal I/O |

Sim Models & Software

Sim Models

IBIS

IBIS_MT35XU512ABAxx12-xxTT v2.1 (ZIP)

x.1= 1, 2. TT= IT, AT.

File Type: ZIP

Updated: 10/17/2016

Automotive
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MT35X
NOR Flash
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Verilog



MT35X_1_8V_512Mb_x1_NoCP_Package_VG15.tar (GZ)

Verilog model_Octal Serial NOR

File Type: GZ

Updated: 11/23/2015

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MT35X
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Software

Software Driver



MT35X (128Mb, 256Mb, 512Mb, 1Gb, 2Gb) General Low-Level Driver (ZIP)

General low-level driver for MT35X. Download the technical note for this driver [here](#).

File Type: ZIP

Updated: 11/02/2015

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MT35X
NOR Flash

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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.

Documentation & Support

[See All Xcelera Flash Documentation](#)

Technical Notes

SEARCH (3) XCELA FLASH TECHNICAL NOTES

Technical Notes

TN-25-08: Maximize SPI NOR, Xcelera™ Flash and Quad SPI NAND Memory Design Flexibility with a Single Package (PDF)

Automotive
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(TN-25-08) This technical note discusses how a single 24-ball BGA package (6 x 8 mm) can support a variety of flash products, enabling designers to offer a range of densities, features and performance levels simply by replacing the installed flash device.

File Type: PDF

Updated: 09/12/2017

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Technical Notes

TN-25-08: Maximize SPI NOR, Xcelera™ Flash and Quad SPI NAND Memory Design Flexibility with a Single Package (PDF)

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File Type: PDF

Updated: 09/12/2017

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Technical Notes

TN-12-30: NOR Flash Cycling Endurance and Data Retention (PDF)

Automotive
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Parallel NOR Flash
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(TN-12-30) This technical note defines the industry standards for this testing, Micron's NOR Flash testing methodology, and the two key metrics used to measure NOR device failure: cycling endurance and data retention.

File Type: PDF

Updated: 09/18/2015

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Technical Notes

TN-12-30: NOR Flash Cycling Endurance and Data Retention (Japanese) (PDF)

Automotive
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NOR Flash
Parallel NOR Flash
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(TN-12-30) This technical note defines the industry standards for this testing, Micron's NOR Flash testing methodology, and the two key metrics used to measure NOR device failure: cycling

SEARCH (3) XCELA FLASH TECHNICAL NOTES

Parts with the same Data Sheet (1)

| MT35XU512ABA1G12-0SIT (Current) | | MT35XU512ABA2G12-0SIT |
|--------------------------------------|--------------|-----------------------|
| Part Status | Sampling | Sampling |
| Density | 512Mb | 512Mb |
| Width | x1/x8 | x1/x8 |
| Voltage | 1.7V-2.0V | 1.7V-2.0V |
| Package | T-PBGA | T-PBGA |
| Pin Count | 24-ball | 24-ball |
| Speed | 200 MHz | 200 MHz |
| RoHS | Yes | Yes |
| Op Temp | -40C to +85C | -40C to +85C |
| Part Family | MT35X | MT35X |
| Interface | Xccela Bus | Xccela Bus |
| Type | Octal I/O | Octal I/O |

| MT35XU512ABA1G12-0SIT (Current) | |
|--------------------------------------|-----------|
| Part Status | Sampling |
| Density | 512Mb |
| Width | x1/x8 |
| Voltage | 1.7V-2.0V |
| Package | T-PBGA |
| Pin Count | 24-ball |


Where to Buy


| Status | Media | FBGA Code | SPD Data | Chipset Validation | PLP | Start Date | Alternative Part |
|----------|-------|-----------|----------|--------------------|-----|------------|------------------|
| Sampling | N/A | RW273 | N/A | N/A | No | | N/A |

| | |
|-------------|---------------------|
| Speed | 200 MHz |
| RoHS | Yes |
| Op Temp | -40C to +85C |
| Part Family | MT35X |
| Interface | Xccela Bus |
| Type | Octal I/O |

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- Enterprise SSD Storage
- Supercomputing Memory

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