



**MT29F1G01ABAFD12-AAT:F**  
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# MT29F1G01ABAFD12-AAT

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## Data Sheets (1)

Data Sheet

**1Gb 3.3V x1,x2,x4 SPI NAND Flash Memory Data Sheet (Automotive)**

M78A; MT29F1G01ABAFDSF-AAT:F, MT29F1G01ABAFD12-AAT:F

File Type: PDF

Updated: 11/2016

Automotive  
Embedded Memory Solutions  
NAND Flash  
Serial NAND  
SLC NAND

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## Specs

Orderable Parts for: MT29F1G01ABAFD12-AAT

[SEE ALL SERIAL NAND PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G01ABAFD12-AAT:F	Production	N/A	NW809	N/A	N/A	No		N/A

## Detailed Specifications

Density	1Gb	Status	Production	RoHS	Yes	Width	x1/x2/x4
Voltage	3.3V	Package	TBGA	Pin Count	24-ball	Bits/Cell	SLC
Op Temp	-40C to +105C						

# Sim Models & Software

## Sim Models

### IBIS

#### IBIS: 1Gb SPI M78A SLC NAND (ZIP)

Rev 1.2, MT29F1G01ABAFD12-AAT:F, MT29F1G01ABAFDSF-AAT:F, MT29F1G01ABAFD12-IT:F, MT29F1G01ABAFDSF-IT:F, MT29F1G01ABAFDWB-IT:F, MT29F1G01ABBFDSF-IT:F, MT29F1G01ABBFDWB-IT:F

File Type: ZIP

Updated: 05/13/2016

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### HSpice

#### HSpice: 1Gb SPI M78A SLC NAND (ZIP)

Rev 1.2, MT29F1G01ABAFD12-AAT:F, MT29F1G01ABAFDSF-AAT:F, MT29F1G01ABAFD12-IT:F, MT29F1G01ABAFDSF-IT:F, MT29F1G01ABAFDWB-IT:F, MT29F1G01ABBFDSF-IT:F, MT29F1G01ABBFDWB-IT:F

File Type: ZIP

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### Verilog



#### Verilog: 1Gb, 2Gb, 4Gb, 1.8V and 3V, x1,x2,x4 SPI M7xA NAND Flash Memory (ZIP)

M78A, M79A; SLC; MT29F1G01ABBFDSF-IT:F, MT29F1G01ABBFDWB-IT:F, MT29F1G01ABAFD12-IT:F, MT29F1G01ABAFDSF-IT:F, MT29F1G01ABAFDWB-IT:F, MT29F1G01ABAFD12-AAT:F, MT29F1G01ABAFDSF-AAT:F, MT29F2G01ABBGDSF-IT:G, MT29F2G01ABBGDWB-IT:G, MT29F2G01ABAGD12-IT:G, MT29F2G01ABAGDSF-IT:G,...

File Type: ZIP

Updated: 08/18/2015

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## Software

### Software Support Pack

#### SPI NAND Software Solution v2.0 (ZIP)

Linux patch and major code; Uboot patch and major code; sample code for others. Support for 1Gb, 2Gb, and 4Gb densities.

File Type: ZIP

Updated: 04/19/2016

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### Software Driver



#### Serialize Function for the SPI Controller (ZIP)

Provides the serialize function for the serial peripheral interface (SPI) controller for Micron's serial NAND Flash devices.

File Type: ZIP

Updated: 12/28/2011

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NAND Flash  
Serial NAND

**Software Driver****MT29F, SLC, 60 Series (1Gb, 2Gb, 4Gb) General Low-Level Driver for SPI NAND Flash memory (ZIP)**NAND Flash  
Serial NAND  
SLC NAND

M68A, M69A, M60A

**File Type:** ZIP**Updated:** 12/28/2011**DOWNLOAD****Software Driver****BeagleBoard SPI NAND MTD for Linux 2.6.33 (ZIP)**NAND Flash  
Serial NAND

SPI NAND GPL drivers for 50 series NAND.

**File Type:** ZIP**Updated:** 06/24/2011**DOWNLOAD**

## RoHS Certificates

**RoHS Certificates****RoHS Certificate of Compliance (PDF)**

MT29F1G01ABAFD12 AAT

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:** 11/2016**DOWNLOAD****RoHS Certificates****China RoHS Certificate (PDF)**

MT29F1G01ABAFD12 AAT

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

**File Type:** (PDF)**Updated:** 11/2016**DOWNLOAD**

## Parts with the same Data Sheet (1)

**MT29F1G01ABAFD12-AAT**  
( Current )**MT29F1G01ABAFDSF-AAT**Status **Production****Production**Density **1Gb**

1Gb

RoHS	<b>Yes</b>	Yes
Width	<b>x1/x2/x4</b>	x1/x2/x4
Voltage	<b>3.3V</b>	3.3V
Package	<b>TBGA</b>	<b>SOIC</b>
Pin Count	<b>24-ball</b>	<b>16-pin</b>
Bits/Cell	<b>SLC</b>	SLC
Op Temp	<b>-40C to +105C</b>	-40C to +105C

## Where to Buy

### Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
MT29F1G01ABAFD12-AAT:F	<b>Production</b>	N/A	NW809	N/A	N/A	No		N/A

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