



# N25Q128A13EV741

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

## Data Sheets (2)

**Data Sheet**

**N25Q 128Mb 3V, Multiple I/O Serial Flash Memory with Security**

Rev. H, 3V, Multiple I/O, 4KB Sector Erase

File Type: PDF Updated: 02/2015

NOR Flash  
Serial NOR Flash

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**Die Data Sheet**

**N25Q128 SPI KGD Die: 3V, Multiple I/O, 4KB Subsector**

File Type: PDF Updated: 07/2013

N25Q  
NOR Flash  
Serial NOR Flash

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## Specs

Orderable Parts for: N25Q128A13EV741

[SEE ALL SERIAL NOR FLASH PARTS](#)

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
N25Q128A13EV741	Production	DIE/WAFER	N/A	N/A	N/A	No		N/A

## Detailed Specifications

Density	128Mb	Part Status	Production	Width	x1/x2/x4	Voltage	2.7V-3.6V
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Package	KGD	Pin Count	n/a	Speed	108 MHz	RoHS	Yes
Type	Multi I/O	Op Temp	-40C to +85C	Applications	Embedded	Part Family	N25Q
Media	n/a						

## Sim Models & Software

### Software

#### Software Driver



#### **N25Q (16Mb, 32Mb, 64Mb, 128Mb, 256Mb, 512Mb, 1Gb) General Low-Level Driver v2.1 (ZIP)**

General low-level driver for N25Q serial NOR. Download the technical note for this driver [here](#).

File Type: ZIP

Updated: 08/31/2015

Automotive  
Embedded Memory Solutions  
N25Q  
NOR Flash  
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## RoHS Certificates

#### RoHS Certificates

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

N25Q128A13EV741

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

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#### RoHS Certificates

#### **China RoHS Certificate (PDF)**

N25Q128A13EV741

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

File Type: (PDF)

Updated: 11/2016

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## Documentation & Support

[See All Serial NOR Flash Documentation](#)

## Technical Notes

### TN-12-22: Migrating from Macronix's MX25L12835F to Micron's N25Q 128Mb Flash Device (PDF)

(TN-12-22) This technical note compares features of the Micron N25Q (128Mb) and Macronix MX25L12835F Flash memory devices.

File Type: PDF

Updated: 07/09/2015

Automotive  
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N25Q  
NOR Flash  
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## Technical Notes

### TN-12-31: Migrating from Spansion's S25FL128S to Micron's N25Q 128Mb Flash Device (PDF)

(TN-12-31) This technical note compares the features of the Micron N25Q (128Mb) and Spansion S25FL128S Flash memory devices.

File Type: PDF

Updated: 07/29/2013

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## Technical Notes

### TN-12-11: N25Q Serial NOR Flash Memory Software Device Drivers (PDF)

(TN-12-11) This technical note provides a description of the C library source code for Micron N25Q serial NOR Flash memory devices. Download the low-level driver described in this document

File Type: PDF

Updated: 05/08/2013

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## Technical Notes

### TN-12-22: Migrating from Macronix's MX25L12835F to Micron's N25Q 128Mb Flash Device (PDF)

(TN-12-22) This technical note compares features of the Micron N25Q (128Mb) and Macronix MX25L12835F Flash memory devices.

File Type: PDF

Updated: 07/20/2012

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NOR Flash  
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## Technical Notes

### TN-12-12: Comparing Micron N25Q and M25P Flash Devices (PDF)

(TN-12-12) This technical note compares features of the Micron N25Q serial Flash family and M25P Flash memory devices.

File Type: PDF Updated: 07/10/2014

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M25P  
N25Q  
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## Technical Notes

### TN-25-05: N25Q and MT25Q Serial Flash Stacked Devices (PDF)

Automotive  
NOR Flash  
Serial NOR Flash

(TN-25-05) This technical note describes the features of stacked devices for N25Q and MT25Q. These devices are memory with two or more dies in the same package.

File Type: PDF

Updated: 10/24/2016

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## Technical Notes

### TN-25-31: Migrating N25Q 64Mb Standard to Enhanced - Serial NOR Flash (PDF)

Automotive  
Embedded Memory Solutions  
MT25Q  
N25Q  
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(TN-25-31) This technical note provides information to help users to migrate from a standard configuration to an enhanced program and erase speed configuration of the Micron Flash memory N25Q 64Mb device.

File Type: PDF

Updated: 09/28/2016

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## Technical Notes

### TN-25-01: Migrating from Micron's N25Q to Micron's MT25Q (PDF)

NOR Flash  
Serial NOR Flash

(TN-25-01) This technical note describes the process for converting a system design from the Micron N25Q Flash memory device to the Micron MT25Q Flash memory device.

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Updated: 09/02/2016

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## Technical Notes

### TN-25-09: Layout Guidelines - Serial NOR Flash (PDF)

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Embedded Memory Solutions  
MT25Q  
N25Q  
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(TN-25-09) This technical note provides PCB designers basic guidelines for optimizing signal layout and power supply lines in Micron's Serial NOR Flash device to prevent signal integrity problems.

File Type: PDF

Updated: 07/11/2016

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## Technical Notes

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

XTRMFlash  
Automotive  
Embedded Memory Solutions  
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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SEARCH (35) SERIAL NOR FLASH TECHNICAL NOTES

## Parts with the same Data Sheet (2)

N25Q128A13EV741 ( Current )		N25Q128A13E1241E	N25Q128A13E1241F
Part Status	Production	Production	Production
Density	<b>128Mb</b>	128Mb	128Mb
Width	<b>x1/x2/x4</b>	x1/x2/x4	x1/x2/x4
Voltage	<b>2.7V-3.6V</b>	2.7V-3.6V	2.7V-3.6V
Package	<b>KGD</b>	<b>T-PBGA</b>	<b>T-PBGA</b>
Pin Count	<b>n/a</b>	<b>24-ball</b>	<b>24-ball</b>
Speed	<b>108 MHz</b>	108 MHz	108 MHz
RoHS	<b>Yes</b>	Yes	Yes
Type	<b>Multi I/O</b>	Multi I/O	Multi I/O
Op Temp	<b>-40C to +85C</b>	-40C to +85C	-40C to +85C
Applications	<b>Embedded</b>	Embedded	Embedded
Part Family	<b>N25Q</b>	N25Q	N25Q
Media	<b>n/a</b>	<b>Tray</b>	<b>Tape &amp; Reel</b>

## Where to Buy

### Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
N25Q128A13EV741	<b>Production</b>	DIE/WAFER	N/A	N/A	N/A	No		N/A

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  - NOR Flash
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