



PCN / EOL Notification

Product Change Notification Number: PDF006

Notification Date: June 20, 2013

Title: 16-Mbit DataFlash® (AT45DB161E) Wafer Manufacturing Plant Addition

Product Identification:

All wafer and package options of the Industrial Temperature grade (-40°C to +85°C) AT45DB161E

Reason for Change:

☐ Material / Composition

☐ Design / Firmware

☒ Manufacturing Location

☐ Processing / Manufacturing

☐ Logistics

☐ Quality/Reliability

Change Description:

Adesto has added UMC (Taiwan) as a wafer fabrication facility for the 16Mbit Data Flash AT45DB161E family of devices as shown in Table 1. The UMC facility will manufacture the parts to the same datasheet specification as the current LFoundry manufacturing facility. No datasheet changes are being implemented as a result of this manufacturing location update. UMC parts will be compatible in form, fit, and function to the LFoundry material.

Ordering codes will remain unchanged as shown in Table 1.

Table 1

Ordering Codes

Ordering Code	Package	Lead Finish	Operating Voltage	f _{sck}	Device Grade
AT45DB161E-SSHD-B ⁽¹⁾	8S1	NiPdAu	2.5V to 3.6V	85MHz	Industrial (-40°C to 85°C)
AT45DB161E-SSHD-T ⁽¹⁾					
AT45DB161E-SHD-B ⁽¹⁾⁽²⁾	8S2				
AT45DB161E-SHD-T ⁽¹⁾⁽²⁾					
AT45DB161E-MHD-Y ⁽¹⁾	8MA1				
AT45DB161E-MHD-T ⁽¹⁾					
AT45DB161E-CCUD-T ⁽¹⁾	9CC1	SnAgCu			
AT45DB161E-SSHF-B ⁽¹⁾	8S1	NiPdAu	2.3V to 3.6V	85MHz	Industrial (-40°C to 85°C)
AT45DB161E-SSHF-T ⁽¹⁾					
AT45DB161E-SHF-B ⁽¹⁾					
AT45DB161E-SHF-T ⁽¹⁾					
AT45DB161E-MHF-Y ⁽¹⁾	8MA1				
AT45DB161E-MHF-T ⁽¹⁾					
AT45DB161E-CCUF-T ⁽¹⁾	9CC1	SnAgCu			

Notes: 1. The shipping carrier suffix is not marked on the device.
 2. Not recommended for new design. Use the 8S1 package option.

Ordering Codes (Binary Page Mode)

Ordering Code	Package	Lead Finish	Operating Voltage	f _{sck}	Device Grade
AT45DB161E-SSHD2B-T ⁽¹⁾⁽³⁾	8S1	NiPdAu	2.5V to 3.6V	85MHz	Industrial (-40°C to 85°C)
AT45DB161E-SHD2B-T ⁽¹⁾⁽²⁾⁽³⁾	8S2				
AT45DB161E-MHD2B-T ⁽¹⁾⁽³⁾	8MA1				
AT45DB161E-SSHF2B-T ⁽¹⁾⁽³⁾	8S1	NiPdAu	2.3V to 3.6V	85MHz	Industrial (-40°C to 85°C)
AT45DB161E-SHF2B-T ⁽¹⁾⁽³⁾	8S2				
AT45DB161E-MHF2B-T ⁽¹⁾⁽³⁾	8MA1				

Notes: 1. The shipping carrier suffix is not marked on the device.
 2. Not recommended for new design. Use the 8S1 package option.
 3. Parts ordered with suffix code '2B' are shipped in tape and reel (T&R) with the page size set to 512 bytes. This option is only available for shipping in T&R (-T).

Qualification Data: ☒ Available ☐ Will be available (mm/dd/yr): ☐ Not Applicable

Samples: ☒ Available ☐ Will be available (mm/dd/yr): ☐ Not Applicable

Quantifiable Impact on Quality& Reliability:

None

Forecasted Availability Date (AT45DB161E UMC Silicon): Now

Last Time Buy Date : N/A

Last Ship Date : N/A

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