



PCN / EOL Notification

Product Change Notification Number: SC102702

Notification Date*: July 22, 2010

Title: AT26DF081A End-of-Life (EOL) Notice

Product Identification:

All wafer and package options of the AT26DF081A
Replacement part numbers are shown under Change Description.

Reason for Change:

☒ Design

☒ Manufacturing Location

☐ Processing

☐ Quality/Reliability

☐ Logistics

☐ Material

Change Description:

The AT26DF081A device family has reached end-of-life as the wafer manufacturing is being moved from Atmel's Fab-7 facility in France to our foundry partner UMC in Taiwan. The recommended replacement devices will be identifiable with the part number AT25DF081A and manufactured on a 110nm Flash process technology. In addition to being the recommended replacement device, the new AT25DF081A devices support several new features and enhancements consistent with the other AT25DFxxx family of Atmel Serial Flash devices.

Atmel recommends the following part number conversions:

EOL Standard Part Number 130nm Fab7 Flash Process	Replacement Part Number 110nm UMC Foundry Process
AT26DF081A-SU	AT25DF081A-SH-B AT25DF081A-SH-T
AT26DF081A-SSU	AT25DF081A-SSH-B AT25DF081A-SSH-T
Not offered previously	AT25DF081A-MH-Y AT25DF081A-MH-T
AT26DF081A-DWF	Please contact Atmel for die and wafer options and part numbers

- B=Bulk Shipment in Tube
- T=Shipment in Tape and Reel
- Y=Bulk Shipment in Tray

Table 1 provides a summary and comparison of the key features between the AT26DF081A and the new AT25DF081A. Atmel recommends all customers perform a detailed datasheet review of the new AT25DF081A to ensure full drop-in compliance against the older AT26DF081A device. All package options of the new AT25DF081A have Nickel Palladium Gold (NiPdAu) lead finishes and are Halide/Halogen-Free and RoHS compliant.

Table 1 - Feature Set Comparison		AT26DF081A (EOL)	AT25DF081A (NEW)
Block Erase Architecture		– 4-Kbyte Block Erase	– 4-Kbyte Block Erase
		– 32-Kbyte Block Erase	– 32-Kbyte Block Erase
		– 64-Kbyte Block Erase	– 64-Kbyte Block Erase
		– Full Chip Erase	– Full Chip Erase
Sector Protection	Individual Sector Protection	✓	✓
	Global Protect / Unprotect	✓	✓
Sector Protection Architecture		– 1 x 32-Kbyte Sector	– 16 x 64-Kbyte Sectors
		– 2 x 8-Kbyte Sectors	
		– 1 x 16-Kbyte Sector	
		– 15 x 64-Kbyte Sectors	
PERMANENT SECTOR LOCKDOWN		—	✓
Dual Input - Output Mode		—	✓
	DUAL-INPUT PROGRAM	—	✓
	DUAL-OUTPUT READ	—	✓
Seq. Pgm. Mode Capability		Yes (AFh opcode)	No
Maximum Clock Frequency		70MHz	100MHz
Read Performance	Dual-Output Read	—	85MHz
	Read Array	70MHz	85MHz
	Read Array (low freq.)	34MHz	50MHz
128-BYTE SECURITY REGISTER		—	✓
MANUFACTURER/DEVICE ID	Manufacturer ID	1Fh	1Fh
	Device ID Byte 1	45h	45h
	Device ID Byte 2	01h	01h
	EDI String Length	00h	01h
	EDI Byte 1	—	00h
PACKAGE OPTIONS	8-SOIC-N (narrow 150-mil)	✓	✓
	8-SOIC-W (wide 200-mil)	✓	✓
	8-UDFN-N (5mm x 6mm)	—	✓

Identification Method to Distinguish Change:

Part numbers manufactured at Fab-7 will commence AT26DF081A. Part numbers manufactured at UMC will commence AT25DF081A.

Qualification Data:☒ available☐ will be available in WW__☐ not applicable**Samples:**☒ available☐ will be available in WW__☐ not applicable

Quantifiable Impact on Quality & Reliability:

None

Forecasted Availability Date: October 15th 2010 – AT25DF081A**Last Time Buy Date:** December 22nd, 2010 - AT26DF081A – All Part Numbers and Options**Last Ship Date:** July 22nd, 2011

** All orders placed after the notification date are **non-cancellable** and **non-returnable (NCNR)**.*

Atmel Contact: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Atmel Contact e-mail address listed above.

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