ADESTO Flash Memory

RoHS Compliant **This page of product is RoHS compliant.**

adesto™ TECHNOLOGIES

BIO FLASH

Adesto Technologies Serial Flash devices incorporate some of the industry's most advanced and flexible features, many of which are unparalleled by other solutions on the market. The Adesto Serial Flash family of products is based on proven and robust NOR Flash technology.

AT25DF Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Adesto Part No.	Package	Data Bus Width (bit)	Flash (Mbit)	Organization	Frequency (MHz)	Operating Current (mA)	Supply Voltage Range (V)	Operating Temperature (°C)	Price Each			
										1	10	100	500
◆ 988-AT25DF256-SSHN-B	AT25DF256-SSHN-B	SOIC-8	8	256K	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 988-AT25DF256-XMHN-B	AT25DF256-XMHN-B	TSSOP-8	8	256K	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 988-AT25DF512CSSHN-B	AT25DF512C-SSHN-B	SOIC-8	8	512K	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 988-AT25DF512CXMHN-B	AT25DF512C-XMHN-B	TSSOP-8	8	512K	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 988-AT25DF011-SSHN-B	AT25DF011-SSHN-B	SOIC-8	8	1	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 988-AT25DF011-XMHN-B	AT25DF011-XMHN-B	TSSOP-8	8	1	32Kx8	85	6	1.65-3.6	-40 to 85				
◆ 556-AT25DF041A-MHF-Y	AT25DF041A-MHF-Y	UDFN-8	8	4	8Kx2	50	16	2.3-3.6	-40 to 85				
◆ 556-AT25DF041A-SH-B	AT25DF041A-SH-B	SOIC-8	8	4	8Kx2	70	16	2.7-3.6	-40 to 85				
◆ 556-AT25DF081A-SH-B	AT25DF081A-SH-B	SOIC-8	8	8	64Kx16	100	20	2.7-3.6	-40 to 85				
◆ 556-AT25DF081A-SSH-B	AT25DF081A-SSH-B	SOIC-8	8	8	64Kx16	100	20	2.7-3.6	-40 to 85				
◆ 556-AT25DF321A-MH-Y	AT25DF321A-MH-Y	UDFN-8	8	32	64Kx64	100	20	2.7-3.6	-40 to 85				
◆ 556-AT25DF321A-SH-B	AT25DF321A-SH-B	SOIC-8	8	32	64Kx64	100	20	2.7-3.6	-40 to 85				
◆ 556-AT25DF321A-SH-T	AT25DF321A-SH-T	SOIC-8	8	32	64Kx64	100	20	2.7-3.7	-40 to 85				
◆ 556-AT25DF641-S3H-B	AT25DF641-S3H-B	SOIC-16	8	64	64Kx128	75	17	2.7-3.6	-40 to 85				
◆ 556-AT25DF641-S3H-T	AT25DF641-S3H-T	SOIC-16	8	64	64Kx128	75	17	2.7-3.6	-40 to 85				

ATF25F512B Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Adesto Part No.	Package	Data Bus Width (bit)	Flash (Mbit)	Organization	Frequency (MHz)	Operating Current (mA)	Supply Voltage Range (V)	Operating Temperature (°C)	Price Each			
										1	10	100	500
◆ 556-AT25F512B-SSH-B	AT25F512B-SSH-B	SOIC-8	8	512	64Kx8	70	15	2.7-3.6	-40 to 85				
◆ 556-AT25F512B-SSH-T	AT25F512B-SSH-T	SOIC-8	8	512	64Kx8	70	15	2.7-3.6	-40 to 85				

AT25DN Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Adesto Part No.	Package	Data Bus Width (bit)	Flash (Mbit)	Organization	Frequency (MHz)	Operating Current (mA)	Supply Voltage Range (V)	Operating Temperature (°C)	Price Each			
										1	10	100	500
◆ 988-AT25DN256-SSHF-B	AT25DN256-SSHF-B	SOIC-8	8	256K	32Kx8	104	6	2.3-3.6	-40 to 85				
◆ 988-AT25DN256-XMHF-B	AT25DN256-XMHF-B	TSSOP-8	8	256K	32Kx8	104	6	2.3-3.6	-40 to 85				
◆ 988-AT25DN512CSSHF-B	AT25DN512C-SSHF-B	SOIC-8	8	512K	32Kx8	104	6	2.3-3.6	-40 to 85				
◆ 988-AT25DN512CXMHF-B	AT25DN512C-XMHF-B	TSSOP-8	8	512K	32Kx8	104	6	2.3-3.6	-40 to 85				
◆ 988-AT25DN011-SSHF-B	AT25DN011-SSHF-B	SOIC-8	8	1	32Kx8	104	6	2.3-3.6	-40 to 85				
◆ 988-AT25DN011-XMHF-B	AT25DN011-XMHF-B	TSSOP-8	8	1	32Kx8	104	6	2.3-3.6	-40 to 85				

AT25FSF041 Series

For quantities greater than listed, call for quote.

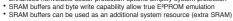| MOUSER STOCK NO.	Adesto Part No.	Package	Data Bus Width (bit)	Flash (Mbit)	Organization	Frequency (MHz)	Operating Current (mA)	Supply Voltage Range (V)	Operating Temperature (°C)	Price Each			
										1	10	100	500
◆ 988-AT25SF041-SHD-T	AT25SF041-SHD-T	SOIC-8	8	4	64Kx2	104	6	2.5-3.6	-40 to 85				
◆ 988-AT25SF041-SSHD-T	AT25SF041-SSHD-T	SOIC-8	8	4	64Kx2	104	6	2.5-3.6	-40 to 85				

DATAFLASH®

Adesto Technologies DataFlash devices are feature-rich, page erase (as small as 256 bytes) SPI-compatible Serial Flash with advanced protection and security features. These Adesto Technologies devices provide developers with the most flexible, easy-to-use Serial Flash solution on the market to address virtually any application. Dual-I/O and Quad-I/O interface options provide the ability to double and quadruple read throughputs. AT45DB series DataFlash devices provide system developers with an extremely flexible solution by utilizing a page-erase architecture to allow the smallest amount of data (as little as 256 bytes) to be erased compared to any other Flash solution

Specifications:
- 1-Mbit to 64-Mbit densities
- Small page array architecture
- Individually erasable pages of 256/264, 512/528, or 1024/1056 bytes each
- Dual on-chip, independent SRAM buffers
- SRAM buffer size equal to memory page size
- Command-rich instruction set
- Enhanced low-power read
- Zero-power shutdown options
- Software reset capability

Features:
- Granular page sizes offer greater flexibility than block erase architectures
- Command-rich instruction set allows for a smaller software footprint and lower CPU overhead
- Enhanced permanent and nonvolatile sector protection schemes simplify your system safeguards
- Enhanced nonvolatile sector protection options simplify system protection
- SRAM buffers and byte write capability allow true E²PROM emulation
- SRAM buffers can be used as an additional system resource (extra SRAM)

AT45DB Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Adesto Part No.	Package	Data Bus Width (bit)	Flash (Mbit)	Organization	Frequency (MHz)	Operating Current (mA)	Supply Voltage Range (V)	Operating Temperature (°C)	Price Each			
										1	10	100	500
◆ 556-AT45DB021E-SSHNB	AT45DB021E-SSHN-B	SOIC-8	8	2	-	70	4.5	1.65-3.6	-40 to 85				
◆ 988-AT45DB041E-SHN-B	AT45DB041E-SHN-B	SOIC-8	8	4	32Kx4	104	16	1.65-3.6	-40 to 85				
◆ 988-45DB041ESSHNB	AT45DB041E-SSHN-B	SOIC-8	8	4	32Kx4	104	16	1.65-3.6	-40 to 85				
◆ 988-AT45DB081E-MHN-Y	AT45DB081E-MHN-Y	UDFN-8	8	8	64Kx8	133	11	1.7-3.6	-40 to 85				
◆ 988-AT45DB081ESSHN-B	AT45DB081E-SSHN-B	SOIC-8	8	8	64Kx8	133	11	1.7-3.6	-40 to 85				
◆ 988-AT45DB081E-SHN-B	AT45DB081E-SHN-B	SOIC-8	8	8	64Kx8	133	11	1.7-3.6	-40 to 85				
◆ 556-AT45DB161E-MHD-Y	AT45DB161E-MHD-Y	UDFN-8	8	16	-	85	26	2.5-3.6	-40 to 85				
◆ 556-AT45DB161E-SSHDB	AT45DB161E-SSHD-B	SOIC-8	8	16	-	85	26	2.5-3.6	-40 to 85				
◆ 988-AT45DB321E-MHF-Y	AT45DB321E-MHF-Y	UDFN-8	8	32	64Kx8	104	22	2.3-3.6	-40 to 85				
◆ 988-AT45DB641EMWHN-Y	AT45DB641E-MWHN-Y	UDFN-8	8	64	256Kx8	104	22	1.7-3.6	-40 to 85				
◆ 988-AT45DB641E-SHN-T	AT45DB641E-SHN-T	SOIC-8	8	64	256Kx8	104	22	1.7-3.6	-40 to 85				
◆ 988-AT45DB641EMWHN-T	AT45DB641E-MWHN-T	UDFN-8	8	64	256Kx8	104	17	1.7-3.6	-40 to 85				