Serial - SPI

	Part No.	Ord. No.	Description
O	25 AA 640-I/P	48548	EEPROM serial SPI 8Kx8 1,8-5,5V DIP8
O	25 LC 256 I/SN	52490	EEPROM serial 32Kx8, 2,7-5,5V SO8
O	25 LC 640 I/SN	8597	EEPROM serial 8Kx8, 2,7-5,5V SO8
O	25 LC 640-I/P	48588	EEPROM serial 8Kx8, 2,7-5,5V DIP8
O	AT 25 640AN-10SI-2,7	48017	EEPROM SPI Bus, High Speed SO8

Parallel

	Part No.	Ord. No.	Description
S	28 C 256-150	27318	EEPROM 32Kx8 150ns DIP28
S	28 C 64 C-150	36463	EEPROM 8Kx8 150ns DIP28

FLASH

Serial - DataFlash®

DataFlash® is the world's number one selling serial interface flash family. Introduced in 1997, Atmel's Dataflash families (45 series and the recently introduced 26 series) are feature rich, low pin count, sequential access families ideal for program code, data storage, Serial EEPROM replacement, and the next generation PC Bios Market.

Simple SPI Interface, Robust Architecture

DataFlash employs proven NOR technology (100% good bits), a robust architecture featuring on-board SRAM buffers (45 series), small pages and flexible op codes. Small pages facilitate easier changes to the chip's contents with less power consumption and eliminate the large external RAM buffers required by large sectored flash.
The simple SPI interface greatly reduces system pin counts, power consumption and switching noise. System design is greatly simplified with DataFlash, as all densities 1 Mbit to 128 Mbits (45 series), and 4 Mbit to 32M bit (26 series) require only 4 pins to connect to the system processor, controller or DSP. This also allows for an easy migration path between densities with no board changes. DataFlash is offered in several footprint-compatible packages including SOIC/CASON, TSOP, MLF and CBGA.

World's Fastest Serial Flash

For frequencies greater than 33 MHz, Atmel has pioneered the RapidS™ serial interface on its 45 series products. RapidS is a natural extension of SPI and allows bus frequencies of 50 Mhz and beyond. For applications requiring even faster read throughput, Atmel has introduced Rapid8™, an 8-bit sequential access interface on the high-density 45 series DataFlash products. The Rapid8 interface is offered on the 64 Mbit and 128 Mbit 45 series devices. These two devices can operate with the RapidS/SPI interface, the Rapid8 interface or both.

A Better Way

System designers have adopted DataFlash as the sole nonvolatile memory block in their system, replacing up to three memories to hold program code, user data and ID, calibration, or parametric data. DataFlash increases reliability and dramatically reduces total system costs, size, switching noise and manufacturing complexity.

	Part No.	Ord. No.	Description
O	AT 45 DB 021 B-RU	43738	Flash serial 2,7V 2Mbit 20MHz SO28
S	AT 45 DB 021 B-SU	43737	Flash serial 2,7V 2Mbit 20MHz SO8
O	AT 45 DB 021 B-TU	43743	Flash serial 2,7V 2Mbit 20MHz TSOP28
O	AT 45 DB 041 B-RU	43740	Flash serial 2,7V 4Mbit 20MHz SO28
O	AT 45 DB 041 D-MU	43744	Flash serial 2,7V 4Mbit 66MHz MLF8
S	AT 45 DB 041 D-SU	58216	Flash serial 2,7V 4Mbit 66MHz SO8
O	AT 45 DB 081 B-TU	43058	Flash serial 2,7V 8Mbit 20MHz TSOP28
S	AT 45 DB 161 D-SU	56897	Flash serial 2,7V 16Mbit 66MHz SO8
S	AT 45 DB 161 D-TU	56898	Flash serial 2,7V 16Mbit 66MHz TSOP28
O	AT 45 DB 321 D-TU	58804	Flash serial 2,7V 32Mbit 40MHz TSOP28

Parallel

	Part No.	Ord. No.	Description
S	AM 29 F 010-90 JD	5905	Flash PEROM 5V 128Kx8 5V PLCC32
O	AM 29 F 010B-70JD	59563	Flash 128Kx8 5V PLCC32
S	AM 29 F 010B-90 PD=PF	40497	Flash PEROM 5V 128Kx8 5V PDIP32
O	AM 29 F 032B-90EF	47963	Flash PEROM 5V 4Mx8 TSOP40
S	AM 29 F 040-70JD	9514	Flash 512Kx8 70ns PLCC32
S	AM 29 F 040B-90PD	3119	Flash PEROM 5V 512Kx8 DIP32
S	AT 29 C 040A-90 JU	43756	Flash PEROM 5V 512Kx8 90ns PLCC32
S	AT 29 C 512-70JU	2871	Flash PEROM 5V 64Kx8 70ns PLCC32