

Alliance Memory's new 16M High-Speed AS7C316096A & AS7C316098A CMOS SRAMs



Alliance Memory has introduced the AS7C316096A and AS7C316098A 16M high-speed CMOS SRAMs in the 48-pin, 12x20mm TSOP-1 package. In addition, the AS7C316098A is also available in the 48-ball, 6x8mm TFBGA package.

These new components can be used in: communication, industrial, automotive and medical applications which require fast access times.

Key Specifications:

- Fast access times of 10 ns
- Organized as 2048K words x 8 bits (AS7C316096A) and 1024K words x 16 bits (AS7C316098A) with a synchronous interface
- Low power consumption with operating currents of 90 mA typical and standby currents of 4 mA typical
- Inputs and outputs are fully TTL compatible
- Fully static operation and tri-state output
- Data retention voltage of 1.5V minimum
- Single 3.3V power supply

Alliance Memory's legacy ICs provide reliable drop-in, pin-for-pin-compatible replacements for a number of similar solutions. The AS7C316096A and AS7C316098A is fabricated using very high-performance, high-reliability CMOS technology and their current is stable within the operating temperature range of -40°C to +85°C.

Alliance Memory Part No.:

AS7C316096A-10TIN / AS7C316098A-10TIN

AS7C316096A-10BIN / AS7C316098A-10BIN

Package Type:

48-pin TSOP 1

48-ball TFBGA

Datasheets and additional information can be found on www.alliancememory.com