

## Alliance Memory's new Low Power AS6C8016-55TIN CMOS SRAMs



Alliance Memory expands its line of legacy low-power CMOS SRAMs with a new 8M IC (512K x 16 bit) featuring a power supply of 2.7 V to 3.6 V in the 48-pin 12-mm by 20-mm TSOP-I package.

### Key Specifications and Benefits:

- Offered in the 48-pin 12-mm by 20-mm TSOP-I package
- Only available from a very limited number of suppliers
- Operates from a single power supply of 2.7 V to 3.6 V
- Fast access time of 55 ns
- Low power consumption
  - Typical operating current of 30 mA
  - Typical standby current of 1.5  $\mu$ A (maximum 3  $\mu$ A)
- Fabricated using very high-performance, high-reliability CMOS technology
- Standby current is stable within the operating temperature range of -40 °C to +85 °C
- Offers fully static operation and tri-state output
- Features a data retention voltage of 1.2 V minimum
- All inputs and outputs are fully TTL-compatible
- RoHS-compliant

### Target Applications:

Portable electronics and industrial, telecom, medical, automotive, and networking applications

Datasheets and additional information can be found on [www.alliancememory.com](http://www.alliancememory.com)