# 1M X 8 BIT HIGH SPEED CMOS SRAM

## FEATURES

- Fast access time : 10ns
- Very low power consumption:
  Operating current:
  80mA(TYP. 10ns)
  Standby current (Normal version):
  3mA(TYP.)
- Single 3.3V power supply
- All inputs and outputs TTL compatible
- Fully static operation
- Tri-state output
- Data retention voltage : 1.5V (MIN.)
- Green package available

Package: 44-pin 400 mil TSOP-II
48-ball 6mmx8mm TFBGA

## GENERAL DESCRIPTION

The AS7C38096A is a 8M-bit high speed CMOS static random access memory organized as 1,024K words by 8 bits. It is fabricated using very high performance, high reliability CMOS technology. Its standby current is stable within the range of operating temperature.

The AS7C38096A operates from a single power supply of 3.3V and all inputs and outputs are fully TTL compatible

## PRODUCT FAMILY

| Product Family | Operating Temperature | Vcc Range | Speed | Power Dissipation | |
|---|---|---|---|---|---|
| | | | | Standby($I_{SB1}$,TYP.) | Operating( |