

**8 K BIT (1024 x 8) SERIAL ACCESS
 CMOS EEPROM MEMORY**
PRODUCT PREVIEW

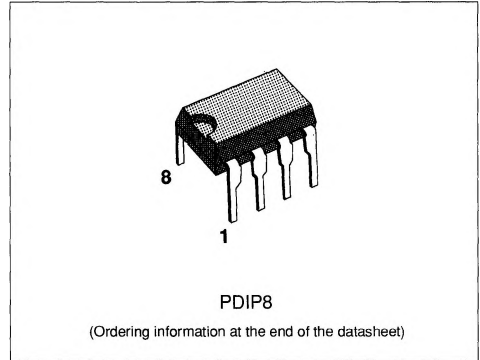
- 4 PAGES OF 256 X 8 BITS.
- 2 WIRE SERIAL INTERFACE, COMPATIBLE WITH THE INTER-INTEGRATED CIRCUIT (I²C) BUS.
- SINGLE POWER SUPPLY (READ AND WRITE).
- WORD AND MULTIBYTE WRITE CAPABILITY (UP TO 8 BYTES).
- PART OF MEMORY PROTECTION CAPABILITY.
- PAGE WRITE CAPABILITY (UP TO 16 BYTES).
- SELF-TIMED PROGRAMMING CYCLE.
- AUTOMATIC WORD ADDRESS INCREMENTING.
- SEQUENTIAL REGISTER READ.
- LOW POWER CMOS.
- HIGHLY INCREASED RELIABILITY OF CMOS EEPROM TECHNOLOGY.
- OVER 1 MILLION ERASE/WRITE CYCLES.
- OVER 10 YEARS DATA RETENTION.

DESCRIPTION

The ST24C08 is a 8192 bit read/write non volatile memory organized in 1024 words of 8 bits and is manufactured in SGS THOMSON highly reliable CMOS EEPROM technology. It is an external memory accessed via a simple serial interface. This serial interface based on a two wire bus, allows bi-directional communication between devices.

PIN FUNCTIONS

A0-A1-A2	Address Inputs
V _{SS}	Ground
SDA	Serial Data
SCL	Serial Clock
TEST	Test Input
V _{CC}	Power Supply


PIN CONNECTION
