

ST93CS56 ST93CS57

SERIAL MICROWIRE BUS 2K (128 x 16) EEPROM

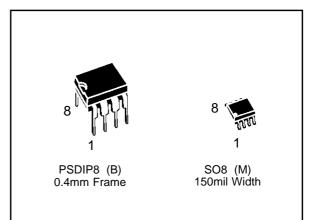
DATA BRIEFING

- 1 MILLION ERASE/WRITE CYCLES, with 40 YEARS DATA RETENTION
- SELF-TIMED PROGRAMMING CYCLE with AUTO-ERASE
- READY/BUSY SIGNAL DURING PROGRAMMING
- SINGLE SUPPLY VOLTAGE
 - 3V to 5.5V for the ST93CS56
 - 2.5V to 5.5V for the ST93CS57
- USER DEFINED WRITE PROTECTED AREA
- PAGE WRITE MODE (4 WORDS)
- SEQUENTIAL READ OPERATION
- 5ms TYPICAL PROGRAMMING TIME

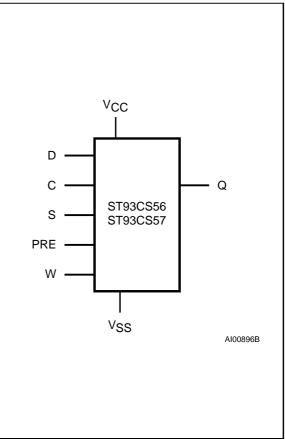
DESCRIPTION

The ST93CS56 and ST93CS57 are 2K bit Electrically Erasable Programmable Memory (EEPROM) fabricated with SGS-THOMSON's High Endurance Single Polysilicon CMOS technology. The memory is accessed through a serial input D and output Q.

The 2K bit memory is organized as 128 x 16 bit words.The memory is accessed by a set of instructions which include Read, Write, Page Write, Write All and instructions used to set the memory protection. A Read instruction loads the address of the first word to be read into an internal address pointer.



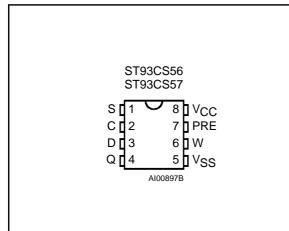
Logic Diagram



B93CS56/606

Complete data available on DATA-on-DISC CD-ROM or at www.st.com

DIP Pin Connections



Signal Names

S	Chip Select Input
D	Serial Data Input
Q	Serial Data Output
С	Serial Clock
PRE	Protect Enable
W	Write Enable
Vcc	Supply Voltage
V _{SS}	Ground

Ordering Information Scheme

For a list of available options refer to the current Memory Shortform catalogue.

For further information on any aspect of this device, please contact the SGS-THOMSON Sales Office nearest to you.

