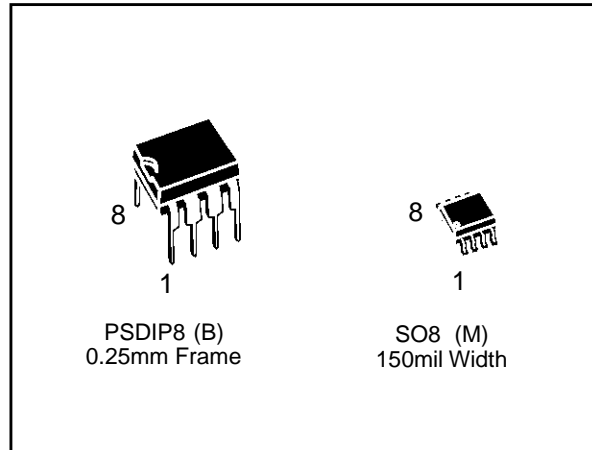


SERIAL ACCESS SPI BUS 8K (1K x 8) EEPROM

DATA BRIEFING

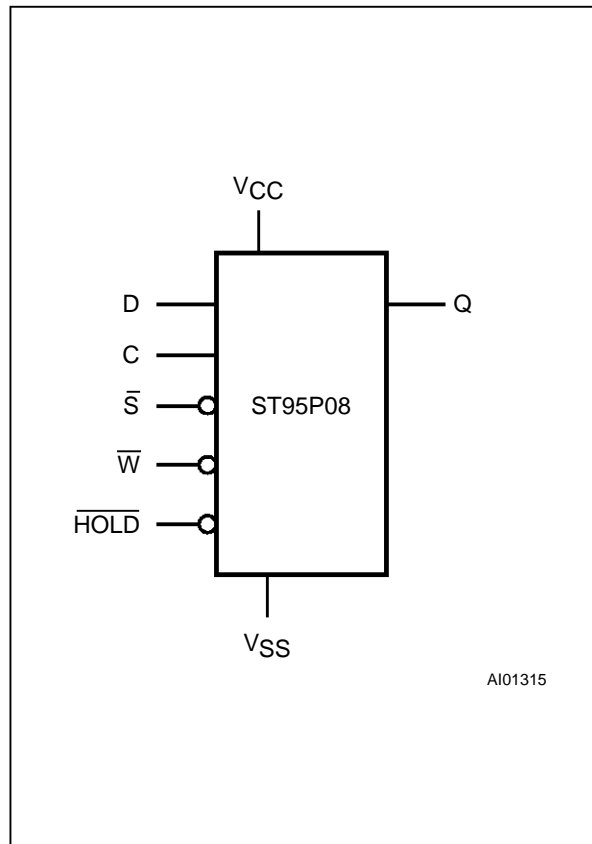
- 1 MILLION ERASE/WRITE CYCLES
- 40 YEARS DATA RETENTION
- SINGLE 3V to 5.5V SUPPLY VOLTAGE
- SPI BUS COMPATIBLE SERIAL INTERFACE
- 2 MHz CLOCK RATE MAX
- BLOCK WRITE PROTECTION
- STATUS REGISTER
- 16 BYTE PAGE MODE
- WRITE PROTECT
- SELF-TIMED PROGRAMMING CYCLE
- E.S.D.PROTECTION GREATER than 4000V
- **The ST95P08 will be replaced shortly by the updated version ST95080**



DESCRIPTION

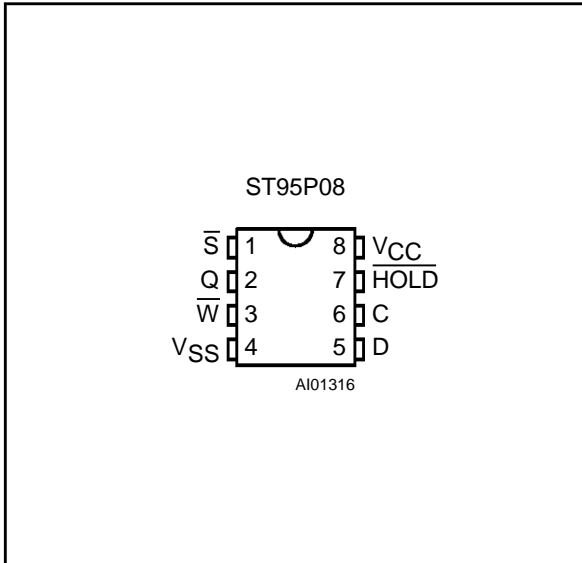
The ST95P08 is a 8K bit Electrically Erasable Programmable Memory (EEPROM) fabricated with SGS-THOMSON's High Endurance Single Polysilicon CMOS technology. The 8K bit memory is organised as 64 pages of 16 bytes. The memory is accessed by a simple SPI bus compatible serial interface. The bus signals are a serial clock input (C), a serial data input (D) and a serial data output (Q). The device connected to the bus is selected when the chip select input (\bar{S}) goes low. Communications with the chip can be interrupted with a hold input (\overline{HOLD}). The write operation is disabled by a write protect input (\bar{W}).

Logic Diagram



AI01315

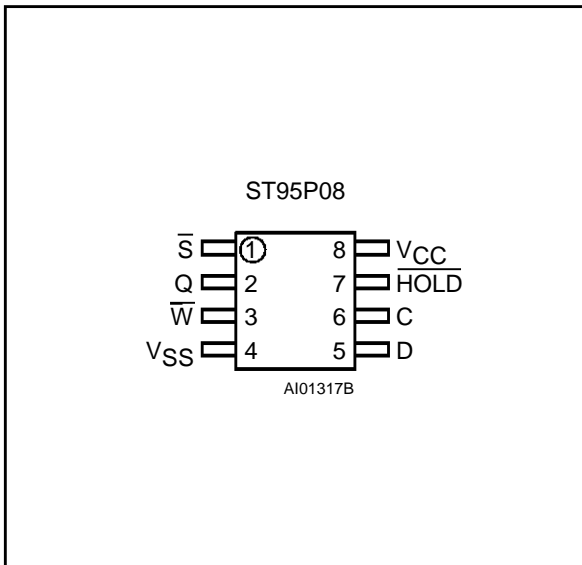
DIP Pin Connections



Signal Names

C	Serial Clock
D	Serial Data Input
Q	Serial Data Output
\bar{S}	Chip Select
\bar{W}	Write Protect
\overline{HOLD}	Hold
V _{CC}	Supply Voltage
V _{SS}	Ground

SO Pin Connections



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.

Example: ST95P08 M 6 TR

Data Strobe

P⁽¹⁾ D Q

Package

- B PSDIP8
0.25mm Frame
- M SO8
150mil Width

Temp. Range

- 1 0 to 70 °C
- 6 -40 to 85 °C
- 3 -40 to 125 °C

Option

TR Tape & Reel Packing

Note: 1. Data In strobed on rising edge of the clock (C) and Data Out synchronized from the falling edge of the clock.