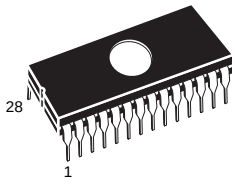
SGS-THOMSON MICROELECTRONICS

M27C64A

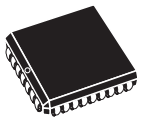
64K (8K x 8) UV EPROM and OTP EPROM

DATA BRIEFING

- FAST ACCESS TIME: 150ns
- LOW POWER "CMOS" CONSUMPTION:
  - Active Current 30mA
  - Standby Current 100µA
- PROGRAMMING VOLTAGE: 12.5V
- ELECTRONIC SIGNATURE for AUTOMATED PROGRAMMING
- HIGH SPEED PROGRAMMING (less than 1 minute)



FDIP28W (F)



PLCC32 (C)

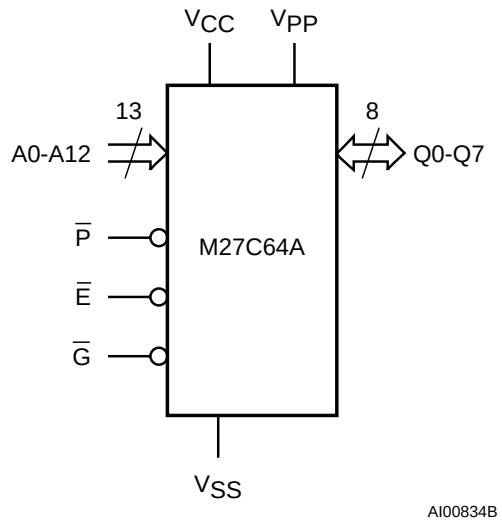
DESCRIPTION

The M27C64A is a high speed 65,536 bit UV erasable and electrically programmable EPROM ideally suited for microprocessor systems requiring large programs. It is organized as 8,192 by 8 bits.

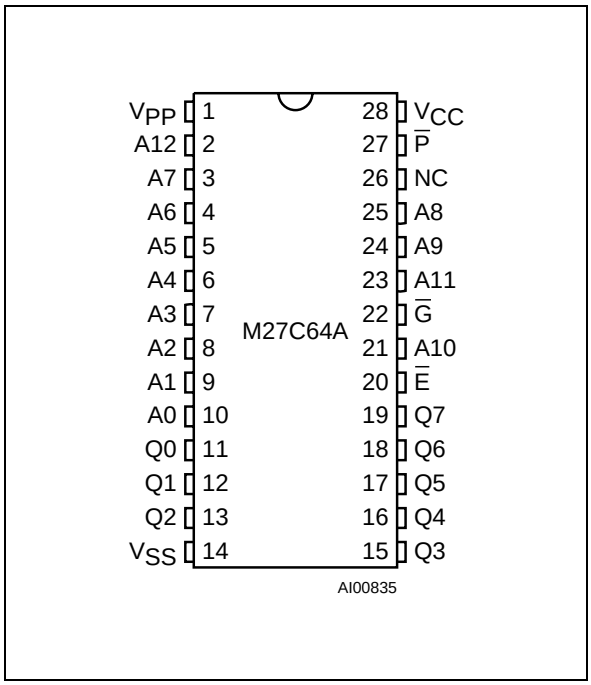
The Window Ceramic Frit-Seal Dual-in-Line package has transparent lid which allows the user to expose the chip to ultraviolet light to erase the bit pattern. A new pattern can then be written to the device by following the programming procedure.

For applications where the content is programmed only on time and erasure is not required, the M27C64A is offered in Plastic Leaded Chip Carrier package.

Logic Diagram

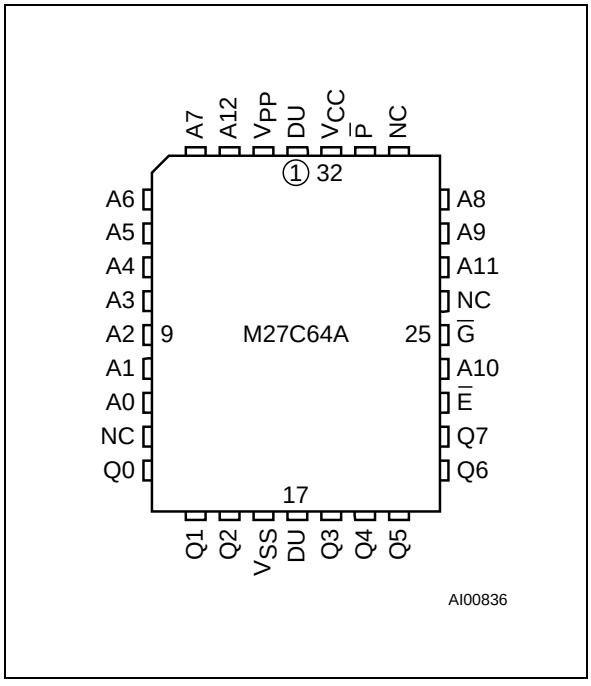


DIP Pin Connections



Warning: NC = Not Connected

LCC Pin Connections



Warning: NC = Not Connected, DU = Don't Use

Signal Names

A0 - A12	Address Inputs
Q0 - Q7	Data Outputs
$\overline{E}$	Chip Enable
$\overline{G}$	Output Enable
$\overline{P}$	Program
V_{PP}	Program Supply
V_{CC}	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.

Example: M27C64A -15 C 1 X

Speed
- -15 150ns
- -20 200ns
- -25 250ns
- -30 300ns

Package
- F FDIP28W
- C PLCC32

Temp. Range
- 1 0 to 70 °C
- 6 –40 to 85 °C

Option
- X Additional Burn-in
- TR Tape & Reel Packing