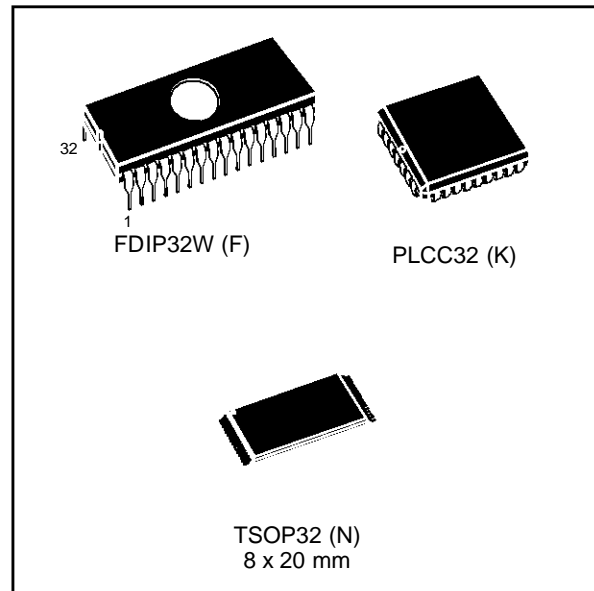


## VERY LOW VOLTAGE 4 Megabit (512K x 8) UV EPROM and OTP EPROM

### DATA BRIEFING

- VERY LOW VOLTAGE READ OPERATION:  
2.7V to 5.5V
- FAST ACCESS TIME: 150ns
- LOW POWER "CMOS" CONSUMPTION:
  - Active Current 15mA
  - Standby Current 20µA
- PROGRAMMING VOLTAGE: 12.75V
- PROGRAMMING TIMES of AROUND 48sec.  
(PRESTO II ALGORITHM)
- M27W401 is PROGRAMMABLE as  
M27C4001 with IDENTICAL SIGNATURE



### DESCRIPTION

The M27W401 is a low voltage, low power 4 Megabit UV erasable and electrically programmable EPROM, ideally suited for handheld and portable microprocessor systems requiring large programs. It is organized as 524,288 by 8 bits.

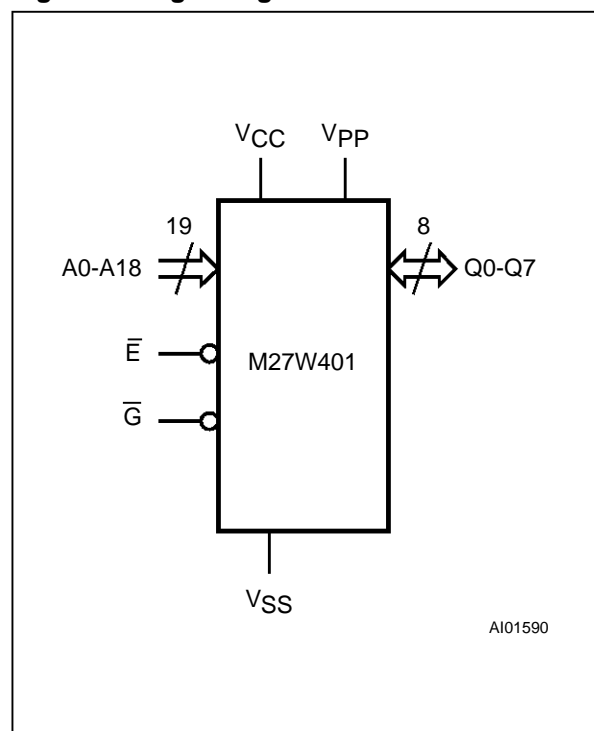
The M27W401 operates in the read mode with a supply voltage as low as 2.7V. The decrease in operating power allows either a reduction of the size of the battery or an increase in the time between battery recharges.

The M27W401 can also be operated as a standard 4 Megabit EPROM (similar to M27C4001) with a 5V power supply.

### Signal Names

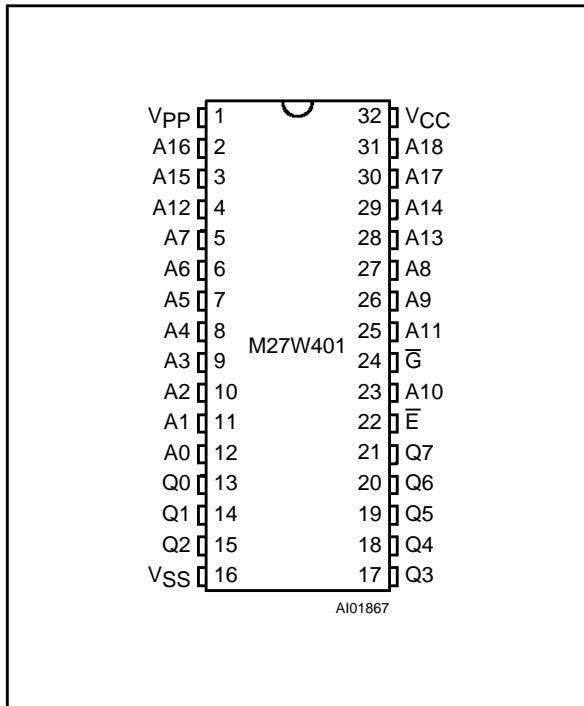
A0 - A18	Address Inputs
Q0 - Q7	Data Outputs
$\bar{E}$	Chip Enable
$\bar{G}$	Output Enable
V <sub>PP</sub>	Program Supply
V <sub>CC</sub>	Supply Voltage
V <sub>SS</sub>	Ground

Figure 1. Logic Diagram

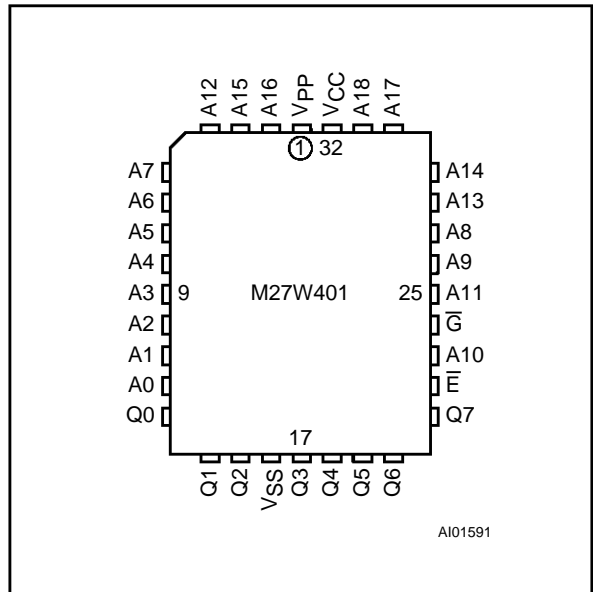


# M27W401

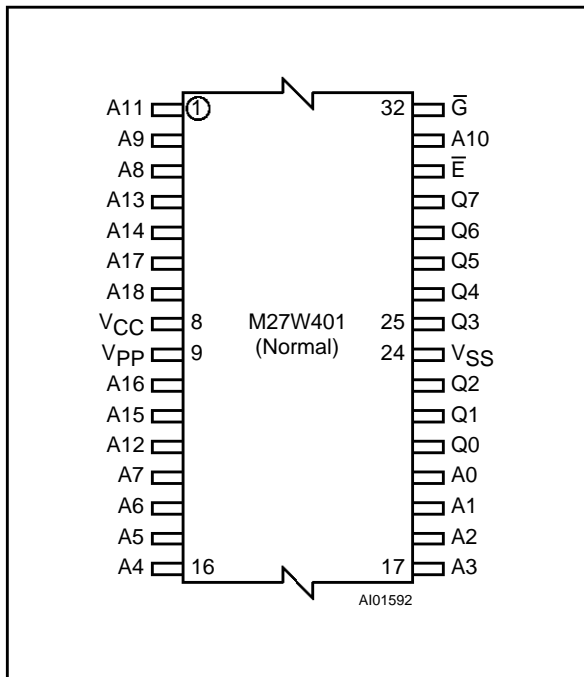
## DIP Pin Connections



## LCC Pin Connections



## TSOP 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: M27W401 -150 K 4 TR

