

1024K (128K × 8) CMOS UV ERASABLE PROM

ADVANCED DATA

- 8 BITS OUTPUTS
- FAST ACCESS TIME 120ns.
- LOW "CMOS" CONSUMPTION 50mA (MAX.)
- PROGRAMMING VOLTAGE 12.5V
- ELECTRONIC SIGNATURE FOR AUTOMATED PROGRAMMING
- PROGRAMMING TIMES IN THE 20 SECONDS RANGE.

DESCRIPTION

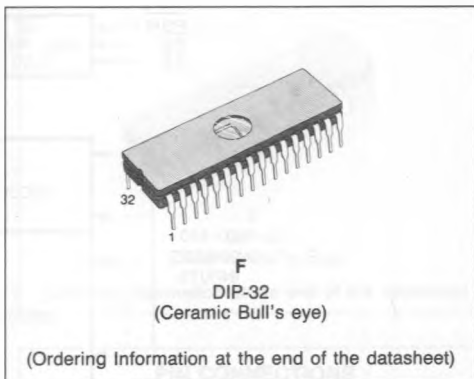
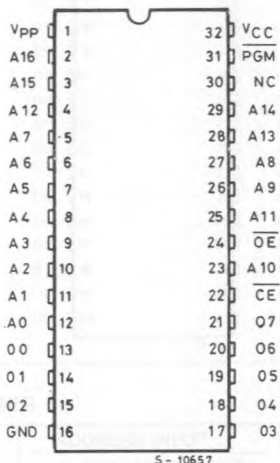
The ST27C1001 is a high speed 1 Mbit UV erasable and electrically programmable EPROM ideally suited for 8-bit microprocessors systems requiring large programs.

It is organized as 131072 words by 8 bits, and packaged in a 32 pins Ceramic DIP Bull's eye package. ST will also introduce the following versions based on the same architecture but with different configurations. They are:

- ST27C1011 is a page addressed 1024K (8 × 16K × 8) device, packaged in a 28 pin DIP for easy replacement of 64K and 128K standard EPROM versions.
- ST87C1011 is the same device as the ST27C1011 with latched addresses for design optimization in multiplexed bus environment.
- ST27C1000 is organized as 128K × 8 bits with a ROM compatible pinout.
- ST87C1000 is the same device as the ST27C1000 with latched addresses for design optimization in multiplexed bus environment.

PIN NAMES

A0—A16	ADDRESS INPUT
$\overline{\text{CE}}$	CHIP ENABLE INPUT
$\overline{\text{OE}}$	OUTPUT ENABLE
PGM	PROGRAM
O ₀ —O ₇	DATA INPUT/OUTPUT
NC	NON CONNECTED


PIN CONNECTIONS


BLOCK DIAGRAM

