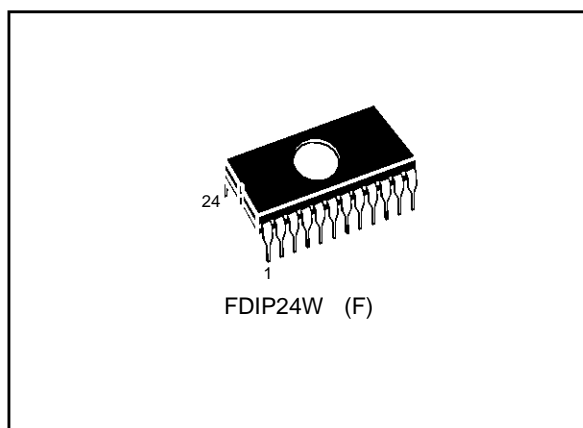


**NMOS 16K (2K x 8) UV EPROM**

**DATA BRIEFING**

- 2048 x 8 ORGANIZATION
- 525mW Max ACTIVE POWER, 132mW Max STANDBY POWER
- ACCESS TIME:
  - M2716-1 is 350ns
  - M2716 is 450ns
- SINGLE 5V SUPPLY VOLTAGE
- STATIC-NO CLOCKS REQUIRED
- INPUTS and OUTPUTS TTL COMPATIBLE DURING BOTH READ and PROGRAM MODES
- THREE-STATE OUTPUT with TIED-OR-CAPABILITY
- EXTENDED TEMPERATURE RANGE
- PROGRAMMING VOLTAGE: 25V

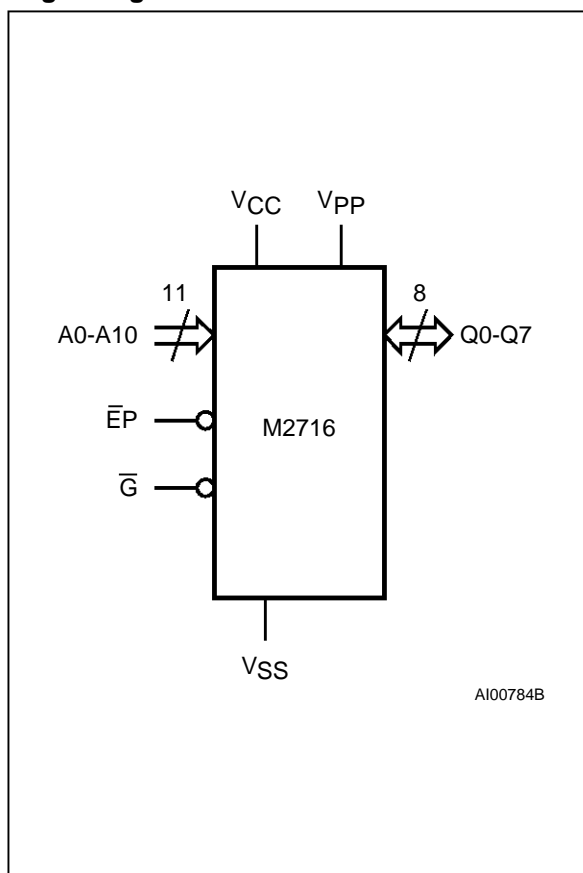


**DESCRIPTION**

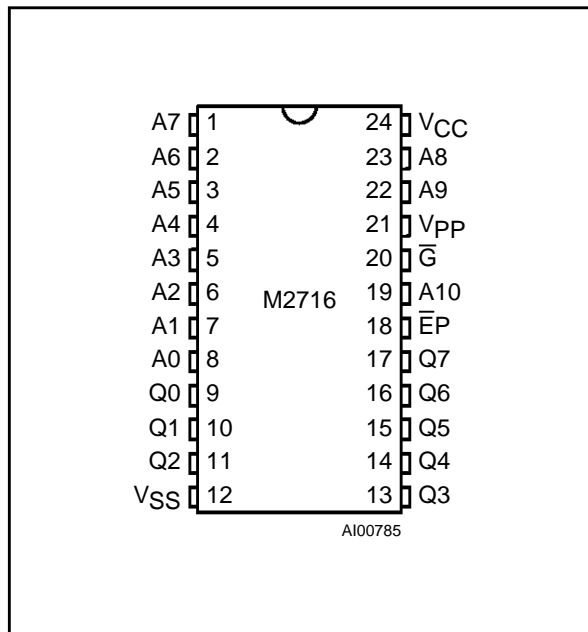
The M2716 is a 16,384 bit UV erasable and electrically programmable memory EPROM, ideally suited for applications where fast turn around and pattern experimentation are important requirements.

The M2716 is housed in a 24 pin Window Ceramic Frit-Seal Dual-in-Line package. The transparent lid 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.

**Logic Diagram**



DIP Pin Connections



Signal Names

A0 - A10	Address Inputs
Q0 - Q7	Data Outputs
$\bar{E}P$	Chip Enable / Program
$\bar{G}$	Output Enable
$V_{PP}$	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.

