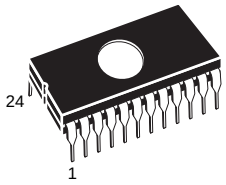
SGS-THOMSON MICROELECTRONICS

M2716

16 Kbit (2Kb x 8) NMOS 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



FDIP24W (F)

DESCRIPTION

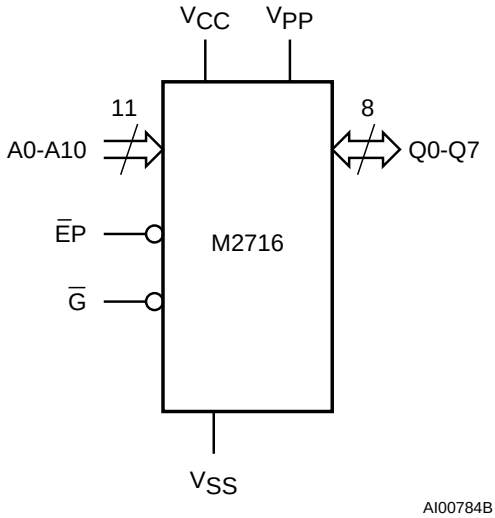
The M2716 is a 16,384 bit UV erasable and electrically programmable memory EPROM, ideally suited for applications where fast turn around and pattern experimentation are important requirements.

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.

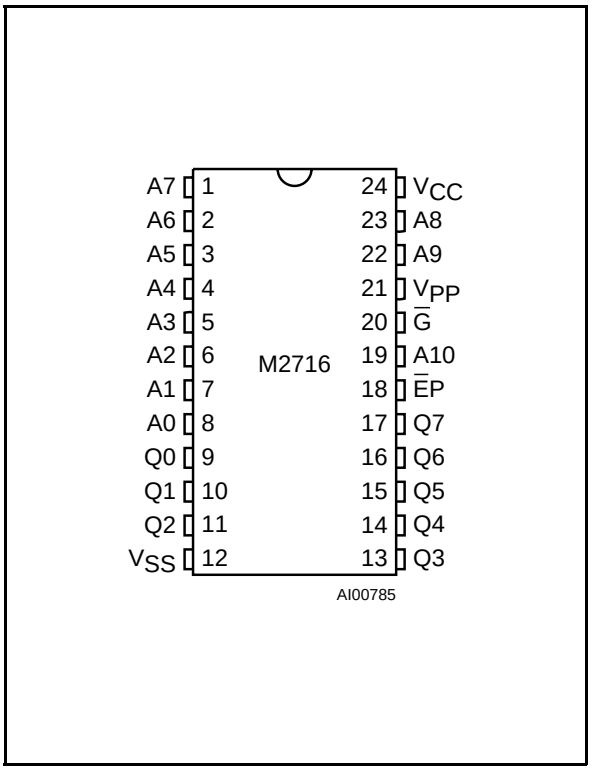
Signal Names

A0-A10	Address Inputs
Q0-Q7	Data Outputs
$\overline{E}P$	Chip Enable / Program
$\overline{G}$	Output Enable
V_{PP}	Program Supply
V_{CC}	Supply Voltage
V_{SS}	Ground

Logic Diagram



DIP Pin Connections



Ordering Information Scheme

For a list of available options or for further information on any aspect of this device, please contact the SGS-THOMSON Sales Office nearest to you.

Example: M2716 -1 F 1

Speed and V_{CC} Tolerance

-1 350ns, 5V±10%

blank 450ns, 5V±5%

Package

F FDIP24W

Temp. Range

1 0 to 70 °C

6 –40 to 85 °C