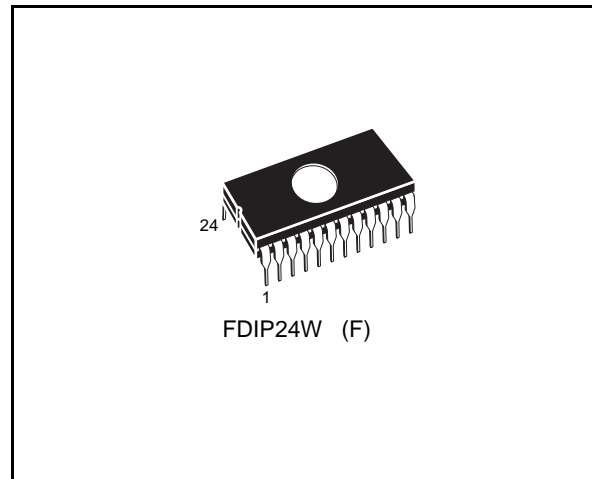


16 Kbit (2Kb x 8) NMOS UV EPROM
DATA BRIEFING

- 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

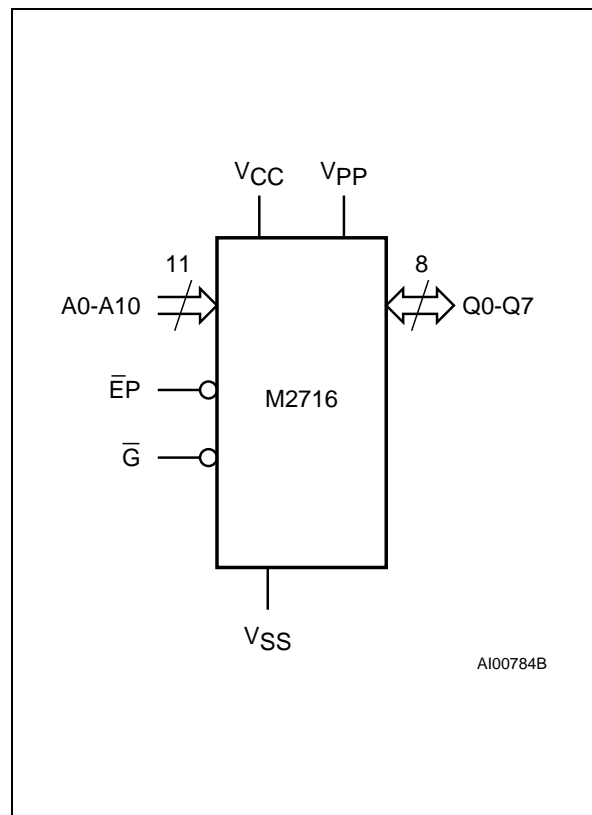

DESCRIPTION

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.

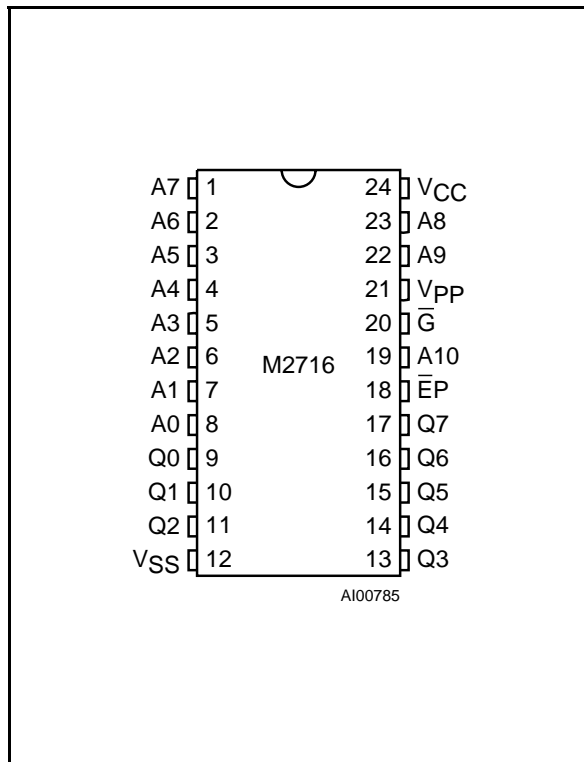
Signal Names

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

Logic Diagram


M2716

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 | F | 1 |
| -1 | 350ns, 5V±10% | | |
| blank | 450ns, 5V±5% | | |
| Package | F | FDIP24W | |
| Temp. Range | 1 | 0 to 70 °C | |
| | 6 | -40 to 85 °C | |