



M27V402

4 Mbit (256Kb x 16) Low Voltage UV EPROM and OTP EPROM

DATA BRIEFING

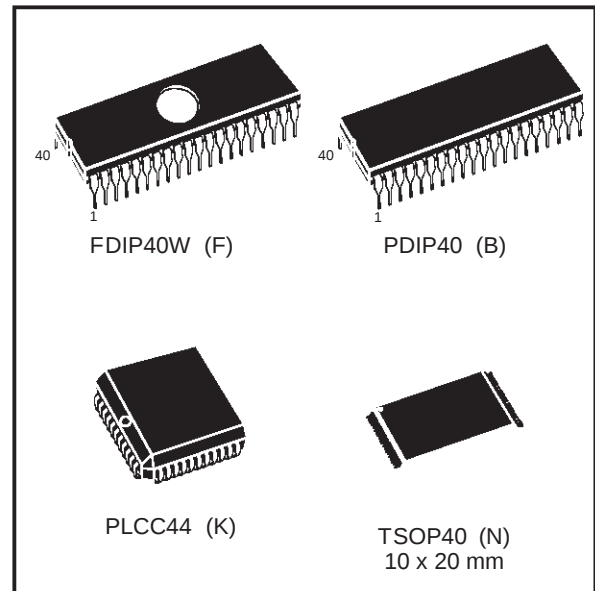
- LOW VOLTAGE READ OPERATION:
3V to 3.6V
- FAST ACCESS TIME: 120ns
- LOW POWER CONSUMPTION:
 - Active Current 15mA at 5MHz
 - Standby Current 20 μ A
- PROGRAMMING VOLTAGE: 12.75V $\pm$ 0.25V
- PROGRAMMING TIME: 100 μ s/byte (typical)
- ELECTRONIC SIGNATURE
 - Manufacturer Code: 20h
 - Device Code: 8Dh

DESCRIPTION

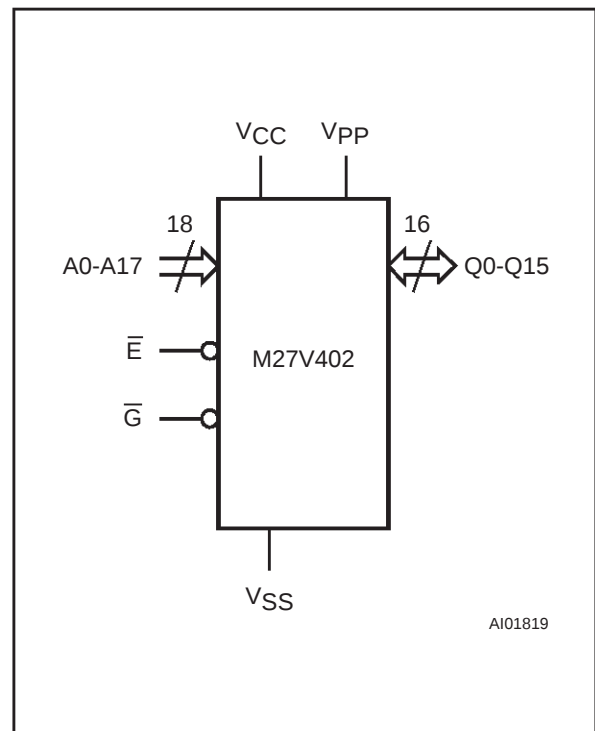
The M27V402 is a low voltage, low power 4 Mbit UV erasable and electrically programmable EPROM, ideally suited for handheld and portable microprocessor systems requiring large programs. It is organized as 262,144 by 16 bits.

The M27V402 operates in the read mode with a supply voltage as low as 3V. 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 FDIP40W (window ceramic frit-seal package) has a transparent lid which 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.

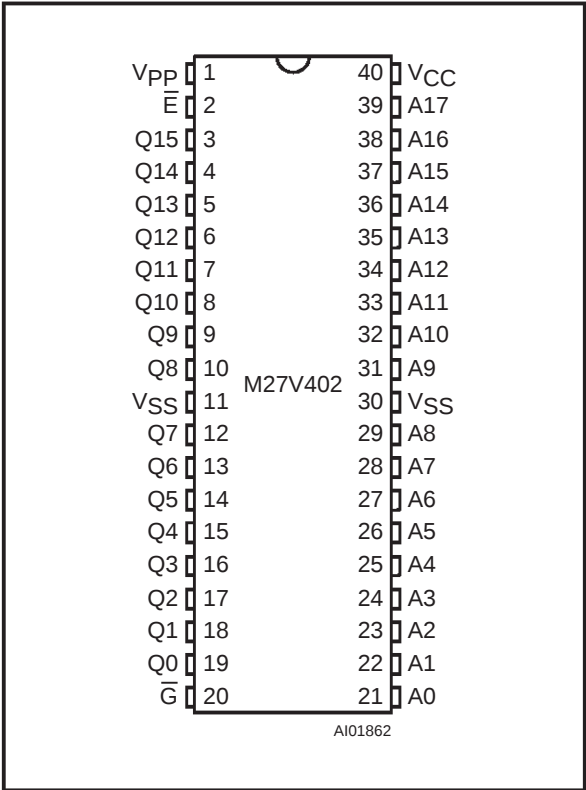


Logic Diagram

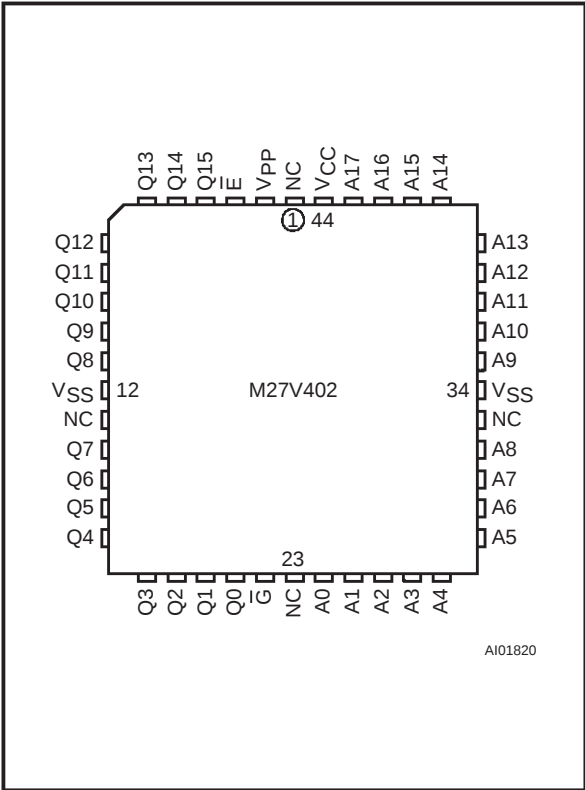


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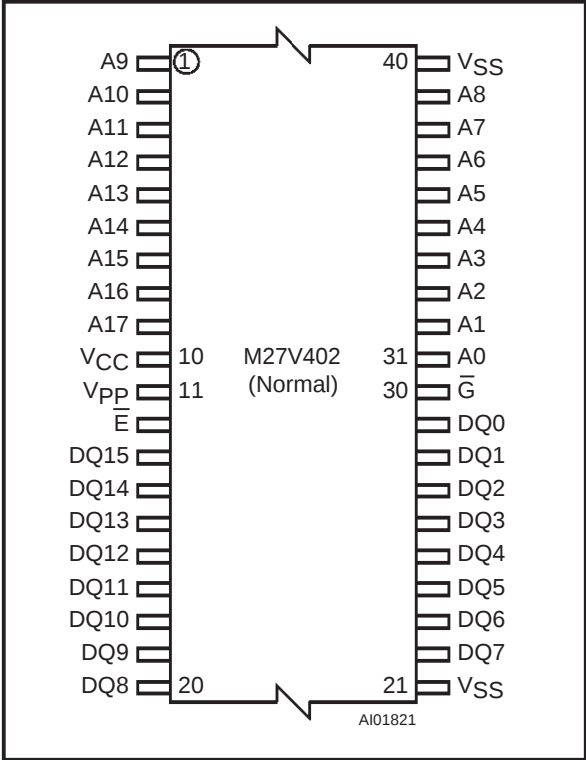
DIP Pin Connections



LCC Pin Connections



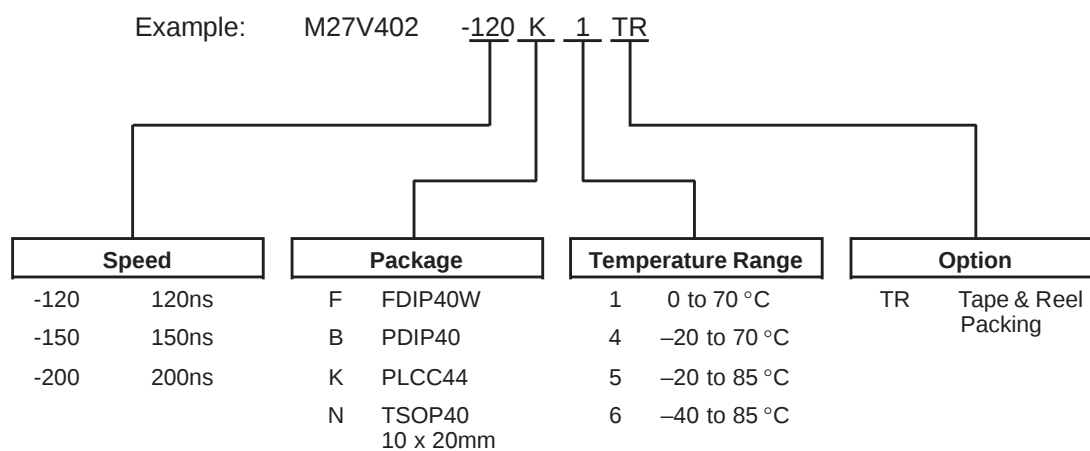
TSOP Pin Connections



Signal Names

A0-A17	Address Inputs
Q0-Q15	Data Outputs
$\overline{E}$	Chip Enable
$\overline{G}$	Output Enable
V _{PP}	Program Supply
V _{CC}	Supply Voltage
V _{SS}	Ground

ORDERING INFORMATION SCHEME



For a list of available options (Speed, Package etc...) or for further information on any aspect of this device, please contact the STMicroelectronics Sales Office nearest to you.