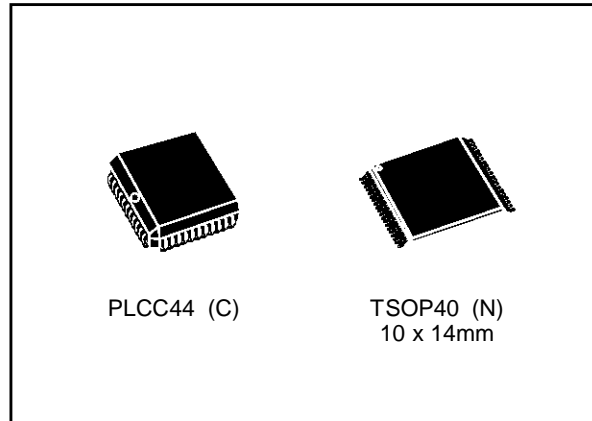


512K (32K x 16) OTP EPROM

DATA BRIEFING

- FAST ACCESS TIME: 45ns
- LOW POWER "CMOS" CONSUMPTION:
 - Active Current 30mA
 - Standby Current 100µA
- PROGRAMMING VOLTAGE: 12.75V
- ELECTRONIC SIGNATURE for AUTOMATED PROGRAMMING
- PROGRAMMING TIMES of AROUND 3sec. (PRESTO II ALGORITHM)

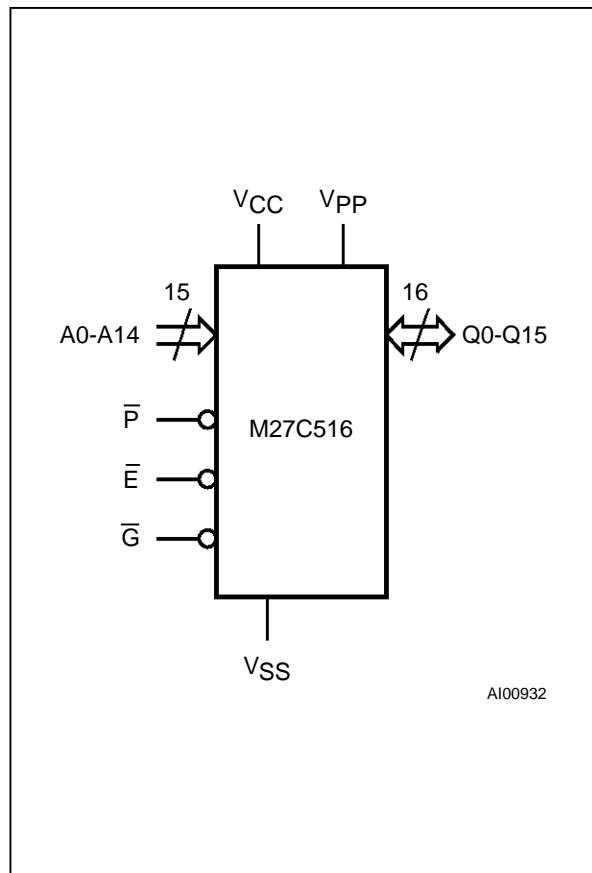


DESCRIPTION

The M27C516 is an high speed 512K bit One Time Programmable EPROM ideally suited for handheld and portable microprocessor systems requiring large program. It is organized as 32,768 by 16 bits.

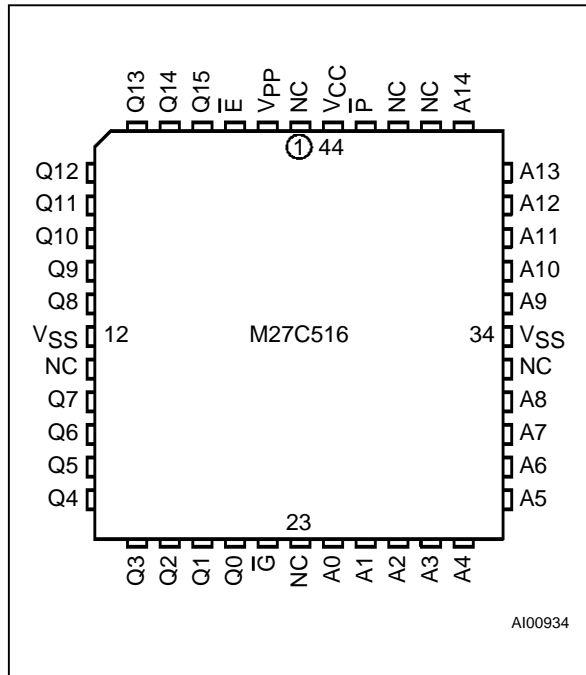
For equipment requiring a surface mounted, low profile package, the M27C516 is offered in a Plastic Leaded Chip Carrier and Plastic Thin Small Outline packages.

Logic Diagram



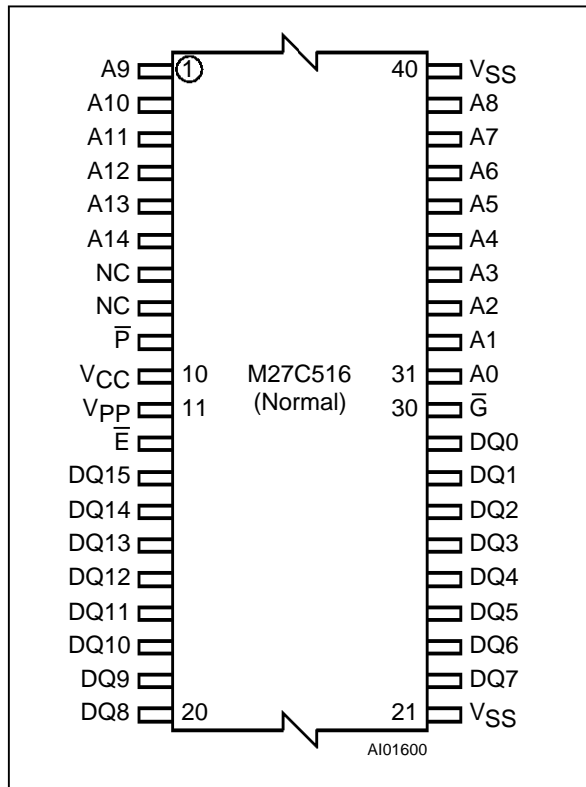
M27C516

LCC Pin Connections



Warning: NC = Not Connected

TSOP Pin Connections



Warning: NC = Not Connected

Signal Names

A0 - A14	Address Inputs
Q0 - Q15	Data Outputs
\bar{E}	Chip Enable
\bar{G}	Output Enable
\bar{P}	Program Enable
V _{CC}	Supply Voltage
V _{PP}	Program Supply
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.

Example: M27C516 -70 X N 1 TR

Speed	-70
-45	45ns
-70	70ns
-90	90ns
-10	100ns
-12	120ns
-15	150ns
-20	200ns
V_{CC} Tolerance	X
X	±5%
blank	±10%
Package	N
C	PLCC44
N	TSOP40 10 x 14mm
Temp. Range	1
1	0 to 70 °C
6	-40 to 85 °C
Option	TR
TR	Tape & Reel Packing