

# M87C512

# LATCHED 512K (64K x 8)CMOS UV EPROM

## PRODUCT PREVIEW

- INTEGRATED ACCESS LATCH.
- VERY FAST ACCESS TIME : 120 ns.
- COMPATIBLE TO HIGH SPEED MICROPRO-CESSORS ZERO WAIT STATE.
- LOW POWER "CMOS" CONSUMPTION :
  - Operating current 30 mA
  - Stand by current 200 µA
- PROGRAMMING VOLTAGE 12.75 V.
- ELECTRONIC SIGNATURE FOR AUTOMATED PROGRAMMING.
- PROGRAMMING TIMES OF AROUND 6 SEC-ONDS (PRESTO II B ALGORITHM).



# **PIN CONNECTION**

A15	[1]	28 🛛	Vcc
A12	2	27 🕽	A14
Α7	3	26	A13
A6	4	25	A8
Α5	5	24	A9
Α4	6	23	A11
A3	[ 7	22	OE/Vpp
A2	8	21	A10
A1	9	20	ALE/CE
A0	[ 10	19 🛛	07
00	[ 11	18	06
01	[ 12	17	05
02	13	16	04
GND	[ 14	15 🛛	03
		VF	1000677

## DESCRIPTION

The M87C512 is a high speed 524,288 bit ultraviolet erasable and reprogrammable EPROM ideally suited for applications where fast turn-around and pattern experimentation are important requirements. The M87C512 incorporates latches on all address inputs to minimize chip count, reduce cost and simplify design of multiplexed bus systems. It is housed in a 28 pin Window Ceramic Frit Seal 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.

#### **PIN NAMES**

A0-A15	ADDRESSES		
ALE/CE	ADDRESS LATCH/CHIP ENABLE		
OE/VPP	OUTPUT ENABLE/VPP		
00-07	DATA INPUT/OUTPUT		
Vcc	+ 5V POWER SUPPLY		
GND	GROUND		

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