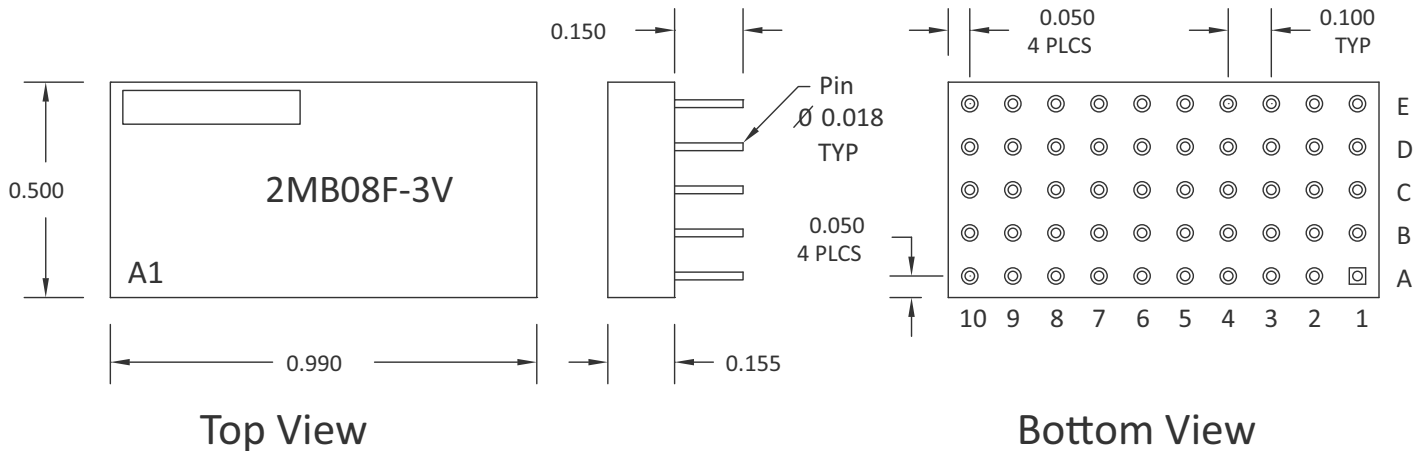


High Temperature 2MB Flash Memory Module
Temperature Rating 175°C

Part No.: 2MB08F-3V
CMOS 3.0 Volt-only 8-bit



CHARACTERISTICS

- 2.7 to 3.6 Volt +/- 10% for read and write operations
- Sector Erase architecture
- Supports full chip erase
- Terminations gold plate
- Embedded erase algorithms
- Embedded program algorithms
- Data polling and toggle bit feature for detection of program or erase cycle completion
- Ready/busy output (FLASHRDY) hardware detection of program or erase cycle completion
- Erase suspend/resume supports reading or programming data to a sector not being erased
- Low power consumption
- Hardware reset pin to set internal state machine to the read mode
- Designed for high temperature applications. Do not erase above 125 degrees Celsius.
- Do not use ultrasonics during cleaning operations.
- Do not water wash.
- Read/Write temperature: -55°C minimum, 175°C maximum (call factory for 200°C applications)
- Life expectancy 1,000 hours at 175°C

PIN DESCRIPTION	
A1	D15/A-1
A2	BYTE#/WORD
A3	VSS
A4	A16
A5	A13
A6	A12
A7	VSS
A8	VSS
A9	A15
A10	A14
B1	D13
B2	D14
B3	VSS
B4	D7
B5	D6
B6	A11
B7	A10
B8	VSS
B9	A9
B10	A8
C1	D3
C2	D12
C3	VCC
C4	D5
C5	D4

PIN DESCRIPTION	
C6	FLASHRDY
C7	A18
C8	VCC
C9	WE#
C10	RESET#
D1	D2
D2	D1
D3	D0
D4	D11
D5	D10
D6	A17
D7	A7
D8	D9
D9	A6
D10	A5
E1	VSS
E2	A0
E3	OE#
E4	D8
E5	A2
E6	A1
E7	A19
E8	A4
E9	A3
E10	CE#

Table 1

SIGNAL DESCRIPTION	
VCC +3V	Power Supply
WE#	Write Enable Asserted Low Input
CE#	Chip Enable Asserted Low Input
RESET#	Reset Flash Asserted Low Input
OE#	Read/Output Enable Asserted Low Input
FLASHRDY	Flash Ready Tristate Output
A[19..0]	Address Inputs
D[14..0]	Data Input/Outputs
D15/A-1	D15 (Data Input/Output, Word Mode)/ A-1 (LSB Address Input, Byte Mode)
VSS - GND	Ground

Table 2

ORDERING INFORMATION

2MB08F-3V

Through Hole 50 Pin Grid Array Package

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HDA-SMC reserves the right to change or discontinue work on this product without notice.

DOCUMENT REVISION HISTORY		
Revision No.	Description	Date
1.0	Initial Release	9 February 2009
2.0	Design Update	13 March 2013
2.1	Formatting change, Added cleaning notes	29 April 2014