

FLASH MODULE

80-PIN FLASH SIMM

FEATURES

- JEDEC- and industry-standard pinout in an 80-pin single in-line memory module (SIMM)
- 2MB (512K x 32), 4MB (1 Meg x 32), 8MB (2 Meg x 32), 16MB (4 Meg x 32), 32MB (8 Meg x 32)
- Address access times:
70ns, 90ns
- Inputs and outputs are fully TTL-compatible
- Automated write and erase algorithm

OPTIONS

- Timing
70ns access
90ns access
- Package
80-pin SIMM
- Device Used
Top Boot Block
Bottom Boot Block
Even Sectored

MARKING

-7
-9

M

T
B
S

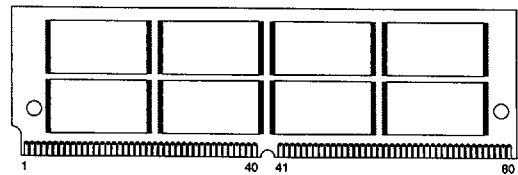
PART NUMBER EXAMPLES

PART NUMBER	CONFIGURATION	DEVICE
MT4F51232M-7 S	512K x 32	Even Sectored
MT8F432M-7 S	4 Meg x 32	Even Sectored
MT8F832M-7 S	8 Meg x 32	Even Sectored
MT8F132M-7 B	1 Meg x 32	Bottom Boot Block

GENERAL DESCRIPTION

The Micron flash memory SIMM modules are compliant with the JEDEC 80-pin flash SIMM standard and range in density from 2MB to 32MB. Boot block flash memory components have become the industry standard for lower-density flash, while even-sectored devices are industry standard for higher-density applications. Therefore, Micron's lower-density flash SIMMs implement 2Mb, 4Mb or 8Mb boot block flash, while the higher-density flash SIMMs use 8Mb, 16Mb or 32Mb even-sectored flash memory.

PIN ASSIGNMENT (Front View) 80-Pin SIMM

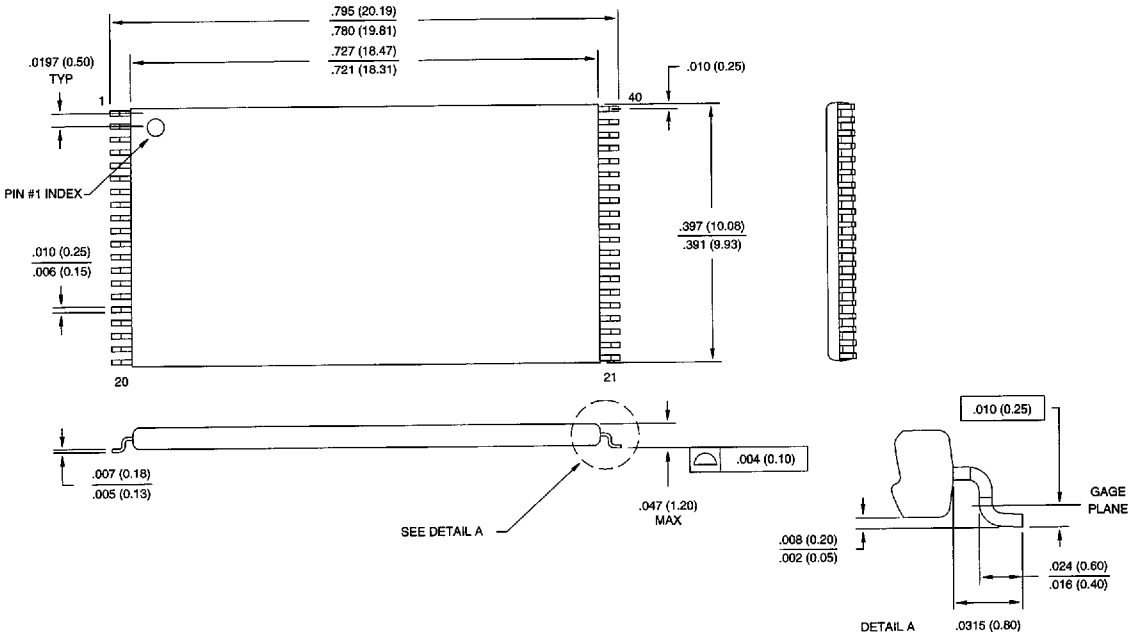


PIN	SYMBOL	PIN	SYMBOL	PIN	SYMBOL	PIN	SYMBOL
1	V _{SS}	21	CE3#	41	A11	61	DQ9
2	V _{CC}	22	CE2#	42	A10	62	DQ8
3	V _{PP}	23	CE1#	43	A9	63	DQ7
4	OE#	24	CE0#	44	A8	64	DQ6
5	WE0#	25	V _{SS}	45	A7	65	DQ5
6	WE1#	26	DQ29	46	A6	66	DQ4
7	NC	27	DQ30	47	A5	67	DQ3
8	DQ16	28	DQ31	48	A4	68	DQ2
9	DQ17	29	WE2#	49	A3	69	DQ1
10	DQ18	30	A22	50	A2	70	DQ0
11	DQ19	31	A21	51	A1	71	V _{PP}
12	DQ20	32	A20	52	A0	72	V _{CC}
13	DQ21	33	A19	53	WE3#	73	PRD1
14	DQ22	34	A18	54	V _{SS}	74	PRD2
15	DQ23	35	A17	55	DQ15	75	PRD3
16	DQ24	36	A16	56	DQ14	76	PRD4
17	DQ25	37	A15	57	DQ13	77	PRD5
18	DQ26	38	A14	58	DQ12	78	PRD6
19	DQ27	39	A13	59	DQ11	79	PRD7
20	DQ28	40	A12	60	DQ10	80	V _{SS}

NOTE: The above listing shows pin connections for all possible combinations.

NEW FLASH SIMM

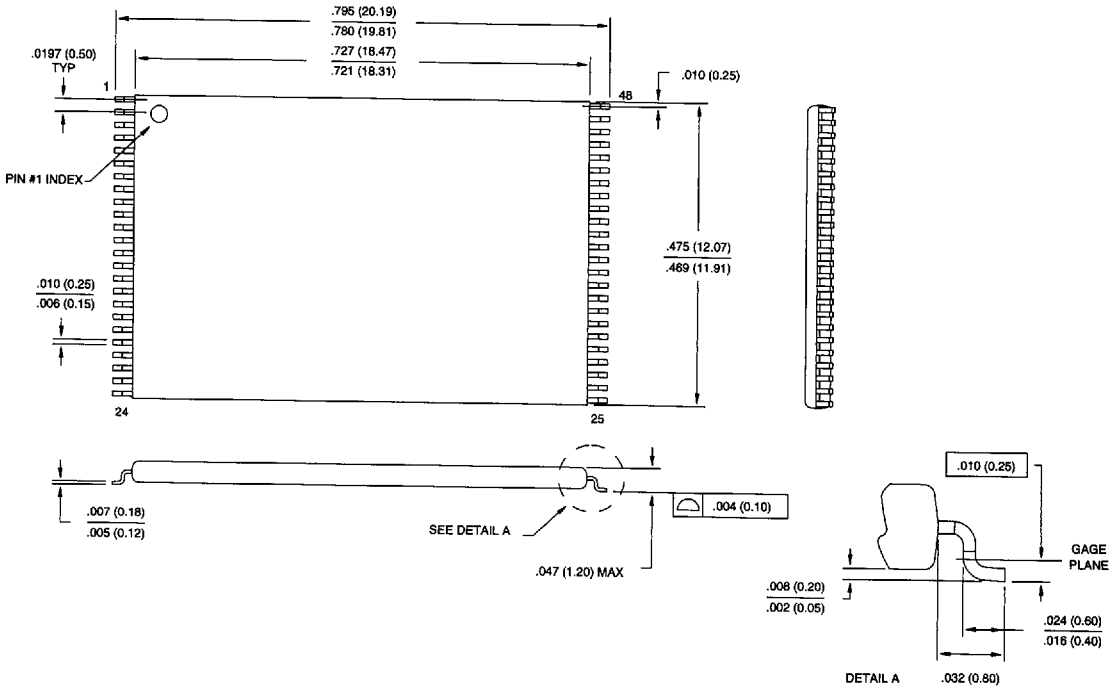
**40-PIN PLASTIC TSOP I (10mm x 20mm)
FB-1**



PACKAGE INFORMATION

- NOTE:**
1. All dimensions in inches (millimeters) $\frac{\text{MAX}}{\text{MIN}}$ or typical where noted.
 2. Package width and length do not include mold protrusion; allowable mold protrusion is $.01''$ per side.

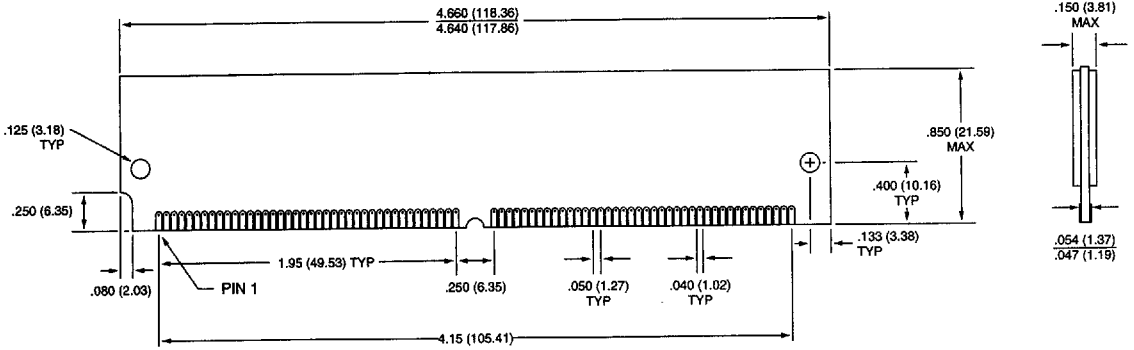
**48-PIN PLASTIC TSOP I (12mm x 20mm)
FB-2**



PACKAGE INFORMATION

- NOTE:**
1. All dimensions in inches (millimeters) $\frac{MAX}{MIN}$ or typical where noted.
 2. Package width and length do not include mold protrusion; allowable mold protrusion is .01" per side.

**80-PIN FLASH SIMM
FD-1**



PACKAGE INFORMATION

NOTE: 1. All dimensions in inches (millimeters) $\frac{\text{MAX}}{\text{MIN}}$ or typical where noted.