

8M X 32 Bits 80-Pin Flash Memory Module (5V Only)

FEATURES

- Access Time of 90ns
- TTL compatible inputs and outputs
- 5V only power supply
- JEDEC standard
- Tin (option "T") or gold (option "G") edge connectors
- Three power on reset options
 - No power on reset: $\overline{RST}$ tied to V_{CC} (Option "V")
 - Power on reset: $\overline{RST}$ tied to power supervisor circuit (Option "R")
 - System control of power on reset: $\overline{RST}$ tied to pin 7 (Option "S"; this option is not JEDEC standard)
- AMD Part Number Am29F016-90 flash memory components

PIN CONFIGURATION

Pin	Symbol	Pin	Symbol	Pin	Symbol
1	V_{SS}	28	DQ ₃₁	55	DQ ₁₅
2	V_{CC}	29	$\overline{WE}_2$	56	DQ ₁₄
3	NC	30	NC	57	DQ ₁₃
4	$\overline{OE}$	31	NC	58	DQ ₁₂
5	$\overline{WE}_0$	32	A ₂₀	59	DQ ₁₁
6	$\overline{WE}_1$	33	A ₁₉	60	DQ ₁₀
7	NC/ $\overline{RST}$	34	A ₁₈	61	DQ ₉
8	DQ ₁₆	35	A ₁₇	62	DQ ₈
9	DQ ₁₇	36	A ₁₆	63	DQ ₇
10	DQ ₁₈	37	A ₁₅	64	DQ ₆
11	DQ ₁₉	38	A ₁₄	65	DQ ₅
12	DQ ₂₀	39	A ₁₃	66	DQ ₄
13	DQ ₂₁	40	A ₁₂	67	DQ ₃
14	DQ ₂₂	41	A ₁₁	68	DQ ₂
15	DQ ₂₃	42	A ₁₀	69	DQ ₁
16	DQ ₂₄	43	A ₉	70	DQ ₀
17	DQ ₂₅	44	A ₈	71	NC
18	DQ ₂₆	45	A ₇	72	V_{CC}
19	DQ ₂₇	46	A ₆	73	PD ₁
20	DQ ₂₈	47	A ₅	74	PD ₂
21	$\overline{CE}_3$	48	A ₄	75	PD ₃
22	$\overline{CE}_2$	49	A ₃	76	PD ₄
23	$\overline{CE}_1$	50	A ₂	77	PD ₅
24	$\overline{CE}_0$	51	A ₁	78	PD ₆
25	V_{SS}	52	A ₀	79	PD ₇
26	DQ ₂₉	53	$\overline{WE}_3$	80	V_{SS}
27	DQ ₃₀	54	V_{SS}		

GENERAL DESCRIPTION

The SiliconTech SL29320-90(T/G)(V/R/S) is a 8M x 32 bits flash memory module. The SL29320-90(T/G)(V/R/S) consists of sixteen 2M x 8 bits CMOS flash memory in 48-pin TSOP packages mounted on an 80-pin glass epoxy substrate. Decoupling capacitors of 0.1 μ F are mounted for the flash memory.

The SL29320-90(T/G)(V/R/S) is a 80-pin flash memory module with a maximum access time of 90ns and 5V only power supply. Option "T" provides tin edge connectors and option "G" provides gold edge connectors. Option "R" provides power on reset through a power supervisor circuit; option "S" provides system control of power on reset by tying the reset signals to Pin 7; and, option "V" provides no power on reset.

The SL29320-90(T/G)(V/R/S) is intended for mounting into 80-pin edge connector sockets. The SL29320-90(T/G)(V/R/S) uses the standard programming algorithms for AMD Am29F016-90 flash memory components.

Pin Names

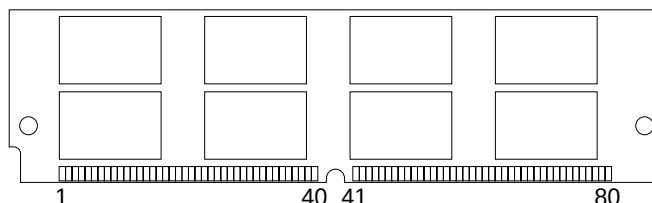
Pin Name	Pin Function
A ₀ -A ₂₀	Address Inputs
DQ ₀ -DQ ₃₁	Data In/Out
$\overline{CE}_0$ - $\overline{CE}_3$	Chip Enable
$\overline{WE}_0$ - $\overline{WE}_3$	Write Enable
$\overline{OE}$	Output Enable
PD ₁ -PD ₇	Presence Detect
$\overline{RST}$	Reset
V_{CC}	Power (+5V)
V_{SS}	Ground
NC	No Connection

Presence Detect Pins*

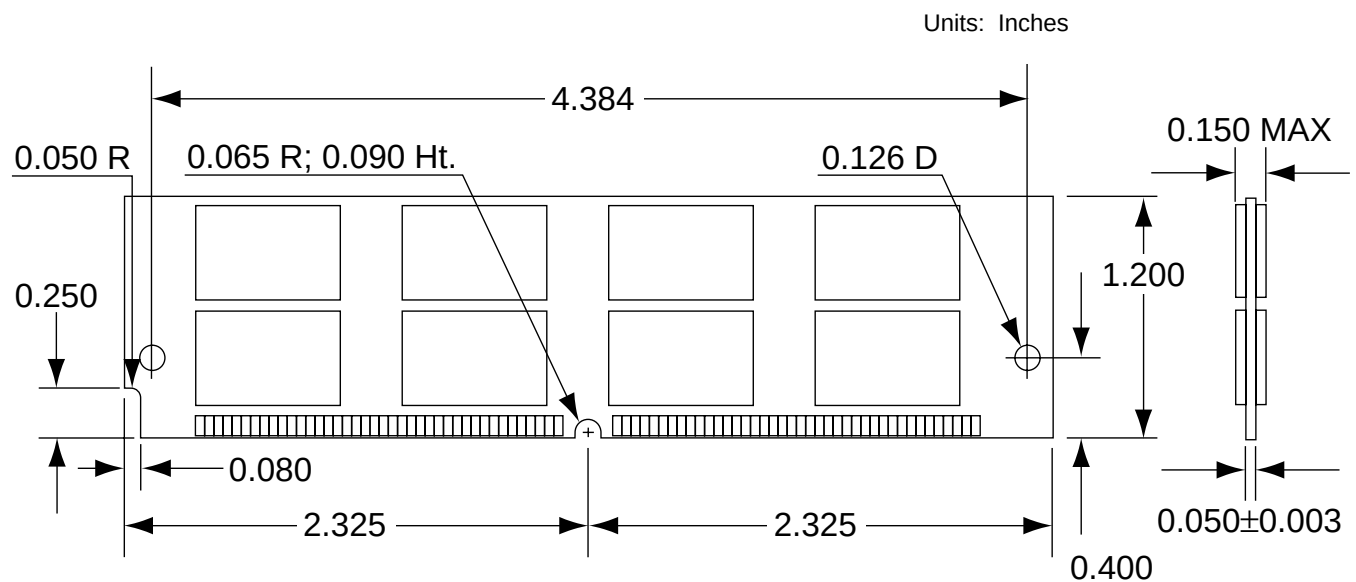
(Optional)

Pin Name	Signal
PD ₁	V_{SS}
PD ₂	V_{SS}
PD ₃	V_{SS}
PD ₄	V_{SS}
PD ₅	NC
PD ₆	NC
PD ₇	V_{SS}

* Pin Connection Changing Available



PACKAGE DIMENSIONS



450A

TOLERANCES: ± 0.005 UNLESS OTHERWISE SPECIFIED

FUNCTIONAL BLOCK DIAGRAM

