

68-pin PCMCIA Standard (512K, 1 & 2M Bytes)

Pin Assignment

No.	Signal name	No.	Signal name	No.	Signal name
1	GND	24	A5	47	A18
2	D3	25	A4	48	A19 (1)
3	D4	26	A3	49	A20 (2)
4	D5	27	A2	50	NC
5	D6	28	A1	51	Vcc
6	D7	29	A0	52	Vpp2 (4)
7	CE1*	30	D0	53	NC
8	A10	31	D1	54	NC
9	OE*	32	D2	55	NC
10	A11	33	Vcc	56	NC
11	A9	34	GND	57	NC
12	A8	35	GND	58	NC
13	A13	36	CD1 (3)	59	NC
14	A14	37	D11	60	NC
15	WE*/PGM*(4)	38	D12	61	NC
16	NC	39	D13	62	NC
17	Vcc	40	D14	63	NC
18	Vpp1 (4)	41	D15	64	D8
19	A16	42	CE2*	65	D9
20	A15	43	NC	66	D10
21	A12	44	NC	67	CD2 (3)
22	A7	45	NC	68	GND
23	A6	46	A17		

- Notes :**
- 1) Not connected for P/N SM9OTS512KP3□.
 - 2) Not connected for P/N SM9OTS1MP3□.
 - 3) Grounded internally in the memory card.
 - 4) WE*/PGM*, Vpp1 and Vpp2 are supported only if the card is blank and not programmed.
Vpp1 & Vpp2 signals are for programming the lower & upper bytes respectively.
 - 5) "*" signifies active low signal.

Function Table

Function	CE2*	CE1*	A0	OE*	WE*	D15~D8	D7~D0
Standby	H	H	X	X	X	High-Z	High-Z
Read							
Byte Access (8 Bits)	H	L	L	L	H	High-Z	Lower Byte
Word Access (16 Bits)	H	L	H	L	H	High-Z	Upper Byte
Odd-Byte Only Access	L	L	X	L	H	Upper Byte	Lower Byte
Write							
Byte Access (8 Bits)	L	H	X	L	H	Upper Byte	High-Z
Word Access (16 Bits)	H	L	L	H	L	Don't Care	Lower Byte
Odd-Byte Only Access	H	L	H	H	L	Don't Care	Upper Byte
Word Access (16 Bits)	L	L	X	H	L	Upper Byte	Lower Byte
Odd-Byte Only Access	L	H	X	H	L	Upper Byte	Don't Care

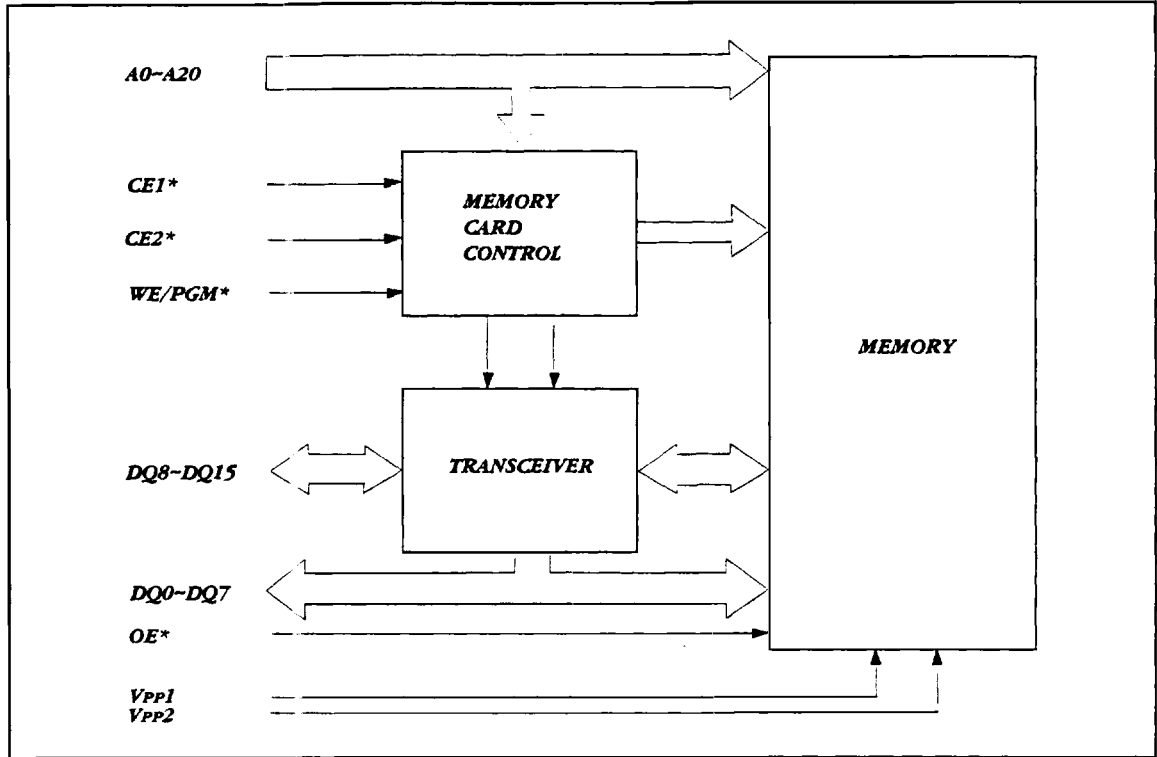
- Note :**
- 1) Vpp1 & Vpp2 have to be at 12.5V±5% during a program cycle.
 - 2) Write cycle is valid only for a blank card which has not been programmed.

Primary Specifications

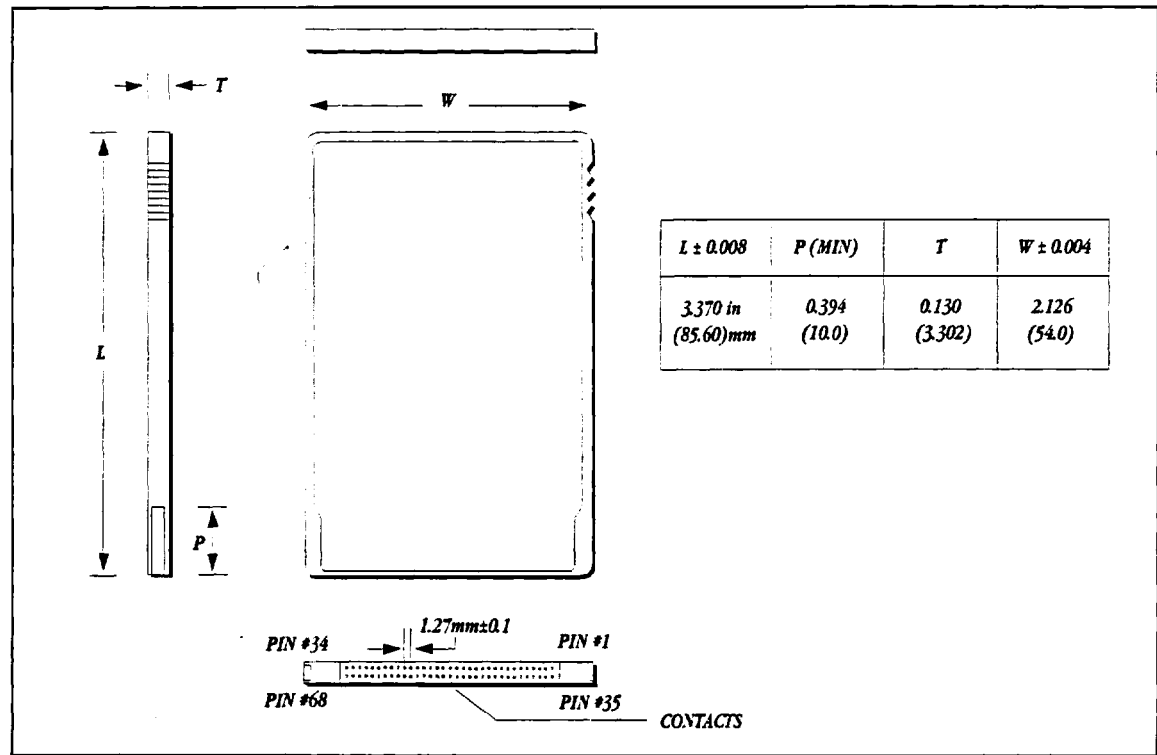
Specification	Part No.	SM9OTS512KP3□	SM9OTS1MP3□	SM9OTS2MP3□
Memory Density		512KByte	1MByte	2MByte
Operating Voltage		5V±5%		
Current Consumption		Active: 60 mA (x16), 30 mA (x8) / Standby: 800 µA (max.)		
Interface		Parallel I/O 68-pin PCMCIA		
Access Time		100/150/200/250 ns max.		
Operating Temperature Range		0 to 55°C		
Outer Dimensions		3.37" (L) x 2.126" (W) x 0.130" (T)		
Weight		35 gms		

SMART5004

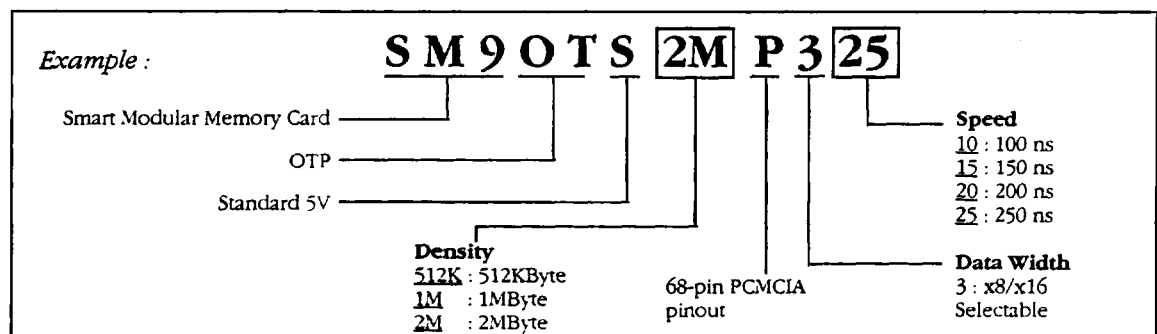
Block Diagram



Outer Dimensions



Ordering Information



Card drives supporting this FLASH card are Databook and Adtron.