

## Video Memory

Memory size	Type No.	Organization	Random port access			Serial port access (ns)		Maximum power consumption (mW)		No. of pins	Package width (inch)	Device type
			t <sub>RAC</sub>	t <sub>CAC</sub>	cycle Time	Access Time	Cycle Time	Active	Standby			
1M Bit	TC521000P/J	262,144 × 4		—		20	30	550	110	40/40	DIP : 0.6 SOJ : 0.4	Field Memory
	TC524256P/J/Z	262,144 × 4	100	50	190	25	30	605	55	28/32/28	ZIP : 0.4(height) SOJ : 0.4 DIP : 0.4	Multi-Port DRAM
	TC524257P/J/Z		100	50	190	25	30	605	55	28/32/28	ZIP : 0.4(height) SOJ : 0.4 DIP : 0.4	
	TC524256AJ/AZ		100	30	180	25	30	825	55	28/28	ZIP : 0.4 ZIP : 0.4(height)	
	TC524258AJ/AZ		120	35	210	35	40	770	55			
	TC528126AP/AJ	131,072 × 8	100	30	180	25	30	825	55	40/40	DIP : 0.6 SOJ : 0.4	
	TC528128AP/AJ		120	35	210	35	40	770	55			
	TC528126AP/AJ		100	30	180	25	30	825	55			
	TC528128AP/AJ		120	35	210	35	40	770	55			

Package — P: Plastic DIP, J: SOJ, Z: ZIP

## Dynamic RAM Module

Memory size	Type No.	Organization	Access time T <sub>RAC</sub> (ns)	No. of pins	Assembly side	Remarks
4M-bit	THM85100AS/AL-70/80/10	512K × 8	70/80/100	30	Single	With $\overline{OE}$
	THM41000AL-70/80/10	1M × 4		25	Single	I/O separate
	THM14020AZ-70/80/10	4M × 1		23	Double	
8M-bit	THM81000AS/AL-70/80/10	1M × 8		30	Single	
	HM81020AL-70/80/10			30	Double	Low profile
9M-bit	THM91000AS/ASG/AL-70/80/10	1M × 9		30	Single	
	THM91010ASG-70/80/10			30	Single	9 I/O commons
	THM91020AL-70/80/10			30	Double	Low profile
	THM362500AS/ASG-70/80/10			72	Single	
18M-bit	THM365120AS/ASG-70/80/10	512K × 36		72	Double	

(Note 1) AS: Socket type (solder pins), ASG: Socket type (all pins), AL: pin type, AZ: ZIP type

(Note 2) The table shown above lists only the fast page mode products. Products in nibble mode and static column mode are also available.

## Pseudo Static RAM

Memory size	Type No.	Organization	Maximum access time (ns)	Minimum cycle time (ns)	Power supply (V)	Maximum power consumption (mW)		No. of pins	Package width (inch)
						Active	Standby		
256K Bit	TC51832P/SP/F-85	32,768 × 8	85	135	5V ± 10%	303	5.5	28	0.6(P) 0.3(SP) 0.45(F)
	TC51832P/SP/F-10		100	160		248			
	TC51832P/SP/F-12		120	190		220			
	TC51832PL/SPL/FL-85		85	135		303	0.55		
	TC51832PL/SPL/FL-10		100	160		248			
	TC51832PL/SPL/FL-12		120	190		220			
1M Bit	TC518128AP/ASP/AF/AFW-80	131,072 × 8 (CE1, CE2) (Type)	80	130	5V ± 10%	385	5.5	32	0.6(P) 0.3(SP) 0.45(F) 0.525(FW)
	TC518128AP/ASP/AF/AFW-10		100	160		330			
	TC518128AP/ASP/AF/AFW-12		120	190		275			
	TC518128APL/ASPL/AFL/AFWL-80		80	130		385	1.1		
	TC518128APL/ASPL/AFL/AFWL-10		100	160		330			
	TC518128APL/ASPL/AFL/AFWL-12		120	190		275			
	※ TC518128APL/AFL/AFWL-80LV		80	130		385	1.1 (0.55)		
	※ TC518128APL/AFL/AFWL-10LV		100	160		330			
	※ TC518128APL/AFL/AFWL-12LV		120	190		275			
	TC518129AP/ASP/AF/AFW-80	131,072 × 8 (CE, CS) (Type)	80	130	5V ± 10%	385	5.5		
	TC518129AP/ASP/AF/AFW-10		100	160		330			
	TC518129AP/ASP/AF/AFW-12		120	190		275			
	TC518129APL/ASPL/AFL/AFWL-80		80	130		385	1.1		
	TC518129APL/ASPL/AFL/AFWL-10		100	160		330			
	TC518129APL/ASPL/AFL/AFWL-12		120	190		275			
	※ TC518129APL/AFL/AFWL-80LV		80	130		385	1.1 (0.55)		
	※ TC518129APL/AFL/AFWL-10LV		100	160		330			
	TC518129APL/AFL/AFWL-12LV		120	190		275			

Package — P: Plastic DIP, SP: Slim Plastic DIP, F: Flat Package SOP

※: New AFW products