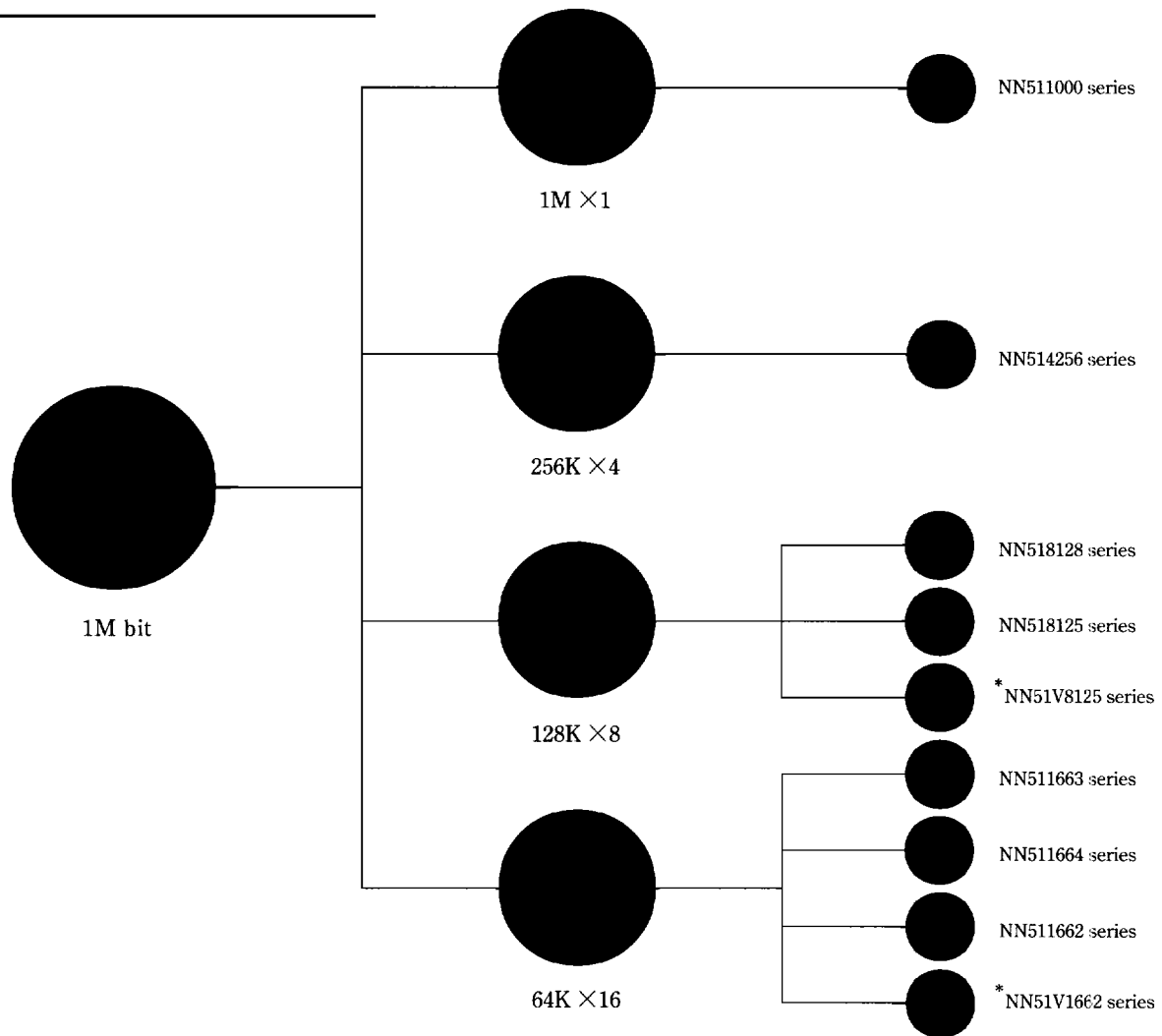


1M bit DRAM Products



* indicates "under development."

1M bit DRAM

Configuration	Part number	Function	Package No.†	Typical AC characteristics (ns)					Supply Voltage	Current consumption			
				tRC	tPC	tRAC	tCAC	tAA		Active	Standby		
1M×1	NN511000-40	Fast Page	P18DP-1A0	80	30	40	13	25	5V±10%	110mA			
	NN511000-45		P26SJ-2A6	80	30	45	15	25		100mA			
	NN511000-50		P20ZP-2B0	90	33	50	15	27		90mA			
	NN511000-60		P24TV-5B4	110	40	60	15	30		80mA			
	NN511000-70		P24TV-5B4-R	130	45	70	20	35		70mA			
256K×4	NN514256-40	Fast Page	P20DP-1A0	80	30	40	13	25	5V±10%	110mA			
	NN514256-45		P26SJ-2A6	80	30	45	15	25		100mA			
	NN514256-50		P20ZP-2B0	90	33	50	15	27		90mA			
	NN514256-60		P24TV-5B4	110	40	60	15	30		80mA			
	NN514256-70		P24TV-5B4-R	130	45	70	20	35		70mA			
128K×8	NN518128-50	Fast Page	P26SJ-2A2	90	33	50	15	25	5V±10%	100mA		Standard version : 1mA	
	NN518128-60			110	40	60	15	30		90mA			
	NN518128-70			130	45	70	20	35		80mA			
	NN51(V)8125-50	EDO (Hyper Page)		90	20	50	15	25	5V±10%	100mA		L version : 50uA	
	NN51(V)8125-60			110	25	60	15	30		90mA			
	NN51(V)8125-70			130	30	70	20	35		80mA			
64K×16	NN511663-50	Fast Page 2CAS/1WE	P40SJ-2B0	90	33	50	15	25	5V±10%	140mA			
	NN511663-60		P44TP-3B4	110	40	60	15	30		120mA			
	NN511663-70		P44TP-3B4	130	45	70	20	35		100mA			
	NN511664-50	Fast Page 1CAS/2WE	P40SJ-2B0	90	33	50	15	25	5V±10%	140mA			
	NN511664-60		P44TP-3B4	110	40	60	15	30		120mA			
	NN511664-70		P44TP-3B4	130	45	70	20	35		100mA			
	NN51(V)1662-50	EDO (Hyper Page)	P40SJ-2B0	90	20	50	15	25	5V±10%	140mA			
	NN51(V)1662-60			P44TP-3B4	110	25	60	15		30	120mA		
	NN51(V)1662-70			P44TP-3B4	130	30	70	20		35	100mA		

† See also Package Outline.

Note: Each model comes with a long refresh (L) version