

MOS Memories

4MDRAMs (5V version)

Supply voltage: 4.5 ~5.5V

Organization (words × bits)	Type No.	Access time max. (ns)	Cycle time min. (ns)	Refresh (cycles/ms)	Maximum Supply Current		Package		Remarks
					Active (mA)	Standby (μ A)		No.	
4M × 1	MN414100BL	70/80	130/150	1024/16	100/90	1000	ZIP020-P-0400	M2	Fast page mode
	MN414100BSJ	70/80	130/150	1024/16	100/90	1000	SOJ026-P-0300A	M10	Fast page mode
	MN414100BTT	70/80	130/150	1024/16	100/90	1000	TSOP026-P-0300A	M20	Fast page mode
1M × 4	MN414400BL	70/80	130/150	1024/16	100/90	1000	ZIP020-P-0400	M2	Fast page mode
	MN414400CSJ	60/70/80	110/130/150	1024/16	85/75/65	1000	SOJ026-P-0300A SOJ026-P-0300C	M10 M11a	Fast page mode
	MN414400CTT	60/70/80	110/130/150	1024/16	85/75/65	1000	TSOP026-P-0300A	M20	Fast page mode
512k × 8	MN414800CSJ	60/70/80	110/130/150	1024/16	85/75/65	1000	SOJ028-P-0400	M12	Fast page mode
	MN414800CTT	60/70/80	110/130/150	1024/16	85/75/65	1000	TSOP028-P-0400	M22	Fast page mode
256k × 16	MN414170CSJ	60/70/80	110/130/150	1024/16	110/100/90	1000	SOJ040-P-0400	M13	Fast page mode 1CAS · 2WE
	MN414170CTT	60/70/80	110/130/150	1024/16	110/100/90	1000	TSOP044-P-0400A	M23	Fast page mode 1CAS · 2WE
	MN414260CSJ	60/70/80	110/130/150	512/8	140/130/120	1000	SOJ040-P-0400	M13	Fast page mode 2CAS · 1WE
	MN414260CTT	60/70/80	110/130/150	512/8	140/130/120	1000	TSOP044-P-0400A	M23	Fast page mode 2CAS · 1WE
	▲MN414175CSJ	60/70/80	110/130/150	1024/16	110/100/90	1000	SOJ040-P-0400	M13	EDO mode 1CAS · 2WE
	▲MN414175CTT	60/70/80	110/130/150	1024/16	110/100/90	1000	TSOP044-P-0400A	M23	EDO mode 1CAS · 2WE
	▲MN414265CSJ	60/70/80	110/130/150	512/8	140/130/120	1000	SOJ040-P-0400	M13	EDO mode 2CAS · 1WE
	▲MN414265CTT	60/70/80	110/130/150	512/8	140/130/120	1000	TSOP044-P-0400A	M23	EDO mode 2CAS · 1WE

▲Under development

4MDRAMs (3.3V version)

Supply voltage: 3.0 ~3.6V

Organization (words × bits)	Type No.	Access time max. (ns)	Cycle time min. (ns)	Refresh (cycles/ms)	Maximum Supply Current		Package		Remarks
					Active (mA)	Standby (μ A)		No.	
1M × 4	MN41V4400SJ	60/70/80	110/130/150	1024/16	80/70/60	1000	SOJ026-P-0300A SOJ026-P-0300C	M10 M11a	Fast page mode
	MN41V4400TT	60/70/80	110/130/150	1024/16	80/70/60	1000	TSOP026-P-0300A	M20	Fast page mode
512k × 8	MN41V4800SJ	60/70/80	110/130/150	1024/16	80/70/60	1000	SOJ028-P-0400	M12	Fast page mode
	MN41V4800TT	60/70/80	110/130/150	1024/16	80/70/60	1000	TSOP028-P-0400	M22	Fast page mode
256k × 16	MN41V4170SJ	60/70/80	110/130/150	1024/16	100/90/80	1000	SOJ040-P-0400	M13	Fast page mode 1CAS · 2WE
	MN41V4170TT	60/70/80	110/130/150	1024/16	100/90/80	1000	TSOP044-P-0400A	M23	Fast page mode 1CAS · 2WE
	MN41V4260SJ	60/70/80	110/130/150	512/8	130/120/110	1000	SOJ040-P-0400	M13	Fast page mode 2CAS · 1WE
	MN41V4260TT	60/70/80	110/130/150	512/8	130/120/110	1000	TSOP044-P-0400A	M23	Fast page mode 2CAS · 1WE
	▲MN41V4175SJ	60/70/80	110/130/150	1024/16	100/90/80	1000	SOJ040-P-0400	M13	EDO mode 1CAS · 2WE
	▲MN41V4175TT	60/70/80	110/130/150	1024/16	100/90/80	1000	TSOP044-P-0400A	M23	EDO mode 1CAS · 2WE
	▲MN41V4265SJ	60/70/80	110/130/150	512/8	130/120/110	1000	SOJ040-P-0400	M13	EDO mode 2CAS · 1WE
	▲MN41V4265TT	60/70/80	110/130/150	512/8	130/120/110	1000	TSOP044-P-0400A	M23	EDO mode 2CAS · 1WE

▲Under development

(Package Symbol) ZIP = Zigzag-In-Line Plastic Package, SOJ = Small-Outline J-Bend Package, TSOP = Thin Small Outline Package