

# Memory (monolithic ICs)

## 4 Mbit CMOS dynamic RAMs

Device	Type	Package		Description	Features
		Number of pins and configuration	Drawing number		
LC324100AJ <sup>∇</sup>	SOJ	26	3145A	4 Mbit (4 194 304 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324100AZ <sup>∇</sup>	ZIP	20	3144A	4 Mbit (4 194 304 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324100AJL <sup>∇</sup>	SOJ	26	3145A	4 Mbit (4 194 304 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324100AZL <sup>∇</sup>	ZIP	20	3144A	4 Mbit (4 194 304 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324400AJ <sup>∇</sup>	SOJ	26	3145A	4 Mbit (1 048 576 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324400AZ <sup>∇</sup>	ZIP	20	3144A	4 Mbit (1 048 576 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324400AJL <sup>∇</sup>	SOJ	26	3145A	4 Mbit (1 048 576 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324400AZL <sup>∇</sup>	ZIP	20	3144A	4 Mbit (1 048 576 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324800AJ <sup>∇</sup>	SOJ	28	3145A	4 Mbit (524 288 × 8) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324800AZ <sup>∇</sup>	ZIP	28	-	4 Mbit (524 288 × 8) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324800AJL <sup>∇</sup>	SOJ	28	3145A	4 Mbit (524 288 × 8) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324800AZL <sup>∇</sup>	ZIP	28	-	4 Mbit (524 288 × 8) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode

## 1 Mbit CMOS dynamic RAMs

Device	Type	Package		Description	Features
		Number of pins and configuration	Drawing number		
LC321000P	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC321000J	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC321000Z	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC321000PL	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000JL	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000ZL	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	100, 120 ns access time, high-speed page mode
LC321000AP <sup>◆</sup>	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000AJ <sup>◆</sup>	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000AZ <sup>◆</sup>	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000APL <sup>◆</sup>	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000AJL <sup>◆</sup>	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000AZL <sup>◆</sup>	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000BP <sup>∇</sup>	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000BJ <sup>∇</sup>	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000BZ <sup>∇</sup>	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC321000BPL <sup>∇</sup>	DIP	18W	3143A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000BJL <sup>∇</sup>	SOJ	26	3145A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321000BZL <sup>∇</sup>	ZIP	20	3144A	1 Mbit (1 048 576 × 1) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC321664J <sup>∇</sup>	SOJ	40	-	1 Mbit (65 536 × 16) CMOS dynamic RAM	70, 80, 100 ns access time, byte and word function
LC324256P	DIP	20W	3146	1 Mbit (262 144 × 4) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC324256J	SOJ	26	3145A	1 Mbit (262 144 × 4) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC324256Z	ZIP	20	3144A	1 Mbit (262 144 × 4) CMOS dynamic RAM	80, 100 ns access time, high-speed page mode
LC324256PL	DIP	20W	3146	1 Mbit (262 144 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256JL	SOJ	26	3145A	1 Mbit (262 144 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256ZL	ZIP	20	3144A	1 Mbit (262 144 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256	DIP	20W	3146	1 Mbit (262 144 × 4) CMOS dynamic RAM	100, 120 ns access time, high-speed page mode
LC324256AP <sup>◆</sup>	DIP	20W	3146	1 Mbit (262 144 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256AJ <sup>◆</sup>	SOJ	26	3145A	1 Mbit (262 144 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256AZ <sup>◆</sup>	ZIP	20	3144A	1 Mbit (262 144 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256APL <sup>◆</sup>	DIP	20W	3146	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256AJL <sup>◆</sup>	SOJ	26	3145A	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256AZL <sup>◆</sup>	ZIP	20	3144A	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256BP <sup>∇</sup>	DIP	20W	3146	1 Mbit (32 768 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256BJ <sup>∇</sup>	SOJ	26	3145A	1 Mbit (32 768 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256BZ <sup>∇</sup>	ZIP	20	3144A	1 Mbit (32 768 × 4) CMOS dynamic RAM	60, 70, 80 ns access time, high-speed page mode
LC324256BPL <sup>∇</sup>	DIP	20W	3146	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256BJL <sup>∇</sup>	SOJ	26	3145A	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode
LC324256BZL <sup>∇</sup>	ZIP	20	3144A	1 Mbit (32 768 × 4) CMOS dynamic RAM	200 μA (max) standby current, high-speed page mode

