

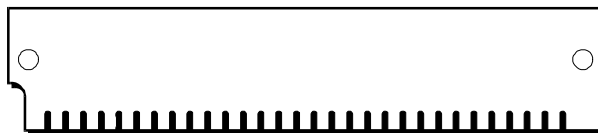
SIMMs

Generally two types of Single In-Line Memory Modules (SIMMs) exist: 8/9-bit or 32/36-bit.

8-bit or 32-bit SIMMs do not have parity checking.

9-bit or 36-bit SIMMs include the parity checking bit.

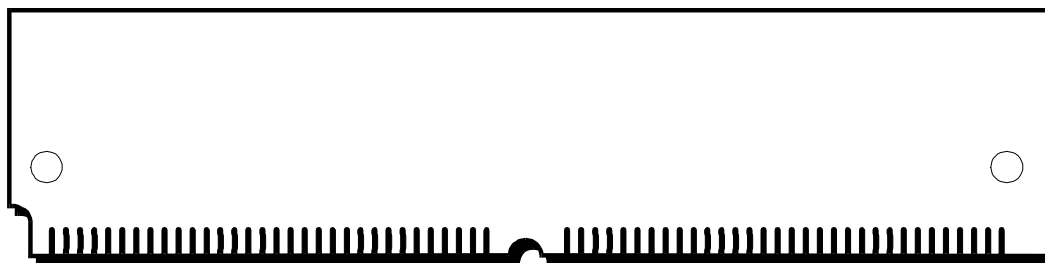
8/9-Bit SIMMs



30-pin

HYD5A

32/36-Bit SIMMs:



72-pin

HYD6A

Each manufacturer uses a specific code to identify a certain Single In-Line Memory Module. The following table indicates the codes of the SIMMs used on the Personal Computers described in this guide.

SIMM TYPE	MANUFACTURER														
	TEXAS	HITACHI	FUJITSU	MICRON	MITSUBISHI	MOTOROLA	NEC	TOSHIBA	SAMSUNG	GOLDSTAR	LG INTERNAT.	BALTEA	SIEMENS	HYUNDAI	IBM
DRAM 64K x 4 120 ns DIL	TMS4464 -12NL	HM50464P-12	MB81464P-12	MT4067-12	M5M4464AP-12	-	D41464C-12	-	KM41464AP - 12	-	-	-	-	-	-
DRAM 256K x 4 100 ns ZIP STATIC COLUMN	-	-	MB81C4258 -10PSZ	-	M5M44258BL - 10	-	-	TC514258AZ - 100	KM44C258AZ - 10	-	-	-	-	-	-
DRAM 1M x 1 100 ns ZIP STATIC COLUMN	-	-	MB81C1002 -10	-	M5M41002BL-10	-	-	TC511002AZ - 10	KM41C1002AZ - 10	-	-	-	-	-	-
DRAM 1M x 1 120 ns DIL	TMS4C1024 -10N	HM511000P -12S	MB81C1000 -12P	-	M5M41000BP - 10	MCM511000AP - 10	UPD421000C - 12	TC511000P - 12	KM41C1000AP - 10	-	-	-	-	-	-
DRAM 256K x 1 100 ns DIL REFRESH 4 ms	-	HM51256P-10	-	-	-	-	-	-	KM41C256P - 10	-	-	-	-	-	-

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DRAM 256K x 4 100 ns SOJ	TMS44C256DJ - 10	-	81C4256 - 80JP	MT4C4256DJ - 8	M5M44256BJ - 10	MCM514256AJ10	-	TC514256AJ - 80	KM44C256AJ - 10	-	-	-	HYB514256AJ - 10	-	-
DRAM 256K x 4 100 ns DIL	TMS44C256 - 10N	HM514256AP - 10	MB81C4256A - 10PJG	-	M5M44256BP - 10	MCM514256AP10	D424256C-10	TC514256AP - 10	KM44C256AP - 10	-	-	-	HYB514256A - 70	-	-
DRAM 256K x 4 80 ns SOJ	TMS44C256DJ - 80	HM514256AJP8H	MB81C4256A - 80PJG	MT4C4256DJ - 8	-	MCM514256AJ - 80	UPD424256 - 80FSL	-	KM44C256BJ - 80	GM71C4256AJ80	-	-	HYB514256AJ - 70	-	-
DRAM 1M x 1 80 ns SOJ	TMS4C1024DJ - 80	HM511000AJP8H	81C1000 - 80PJBC	-	M5M41000BJ - 8	MCM511000AJ - 80	-	TC511000AJ - 80	KM41C1000AJ - 80	-	-	-	HYB511000BJ - 80	-	-
DRAM 256K x 1 100 ns RPLCC	-	HM51256CP - 8	-	-	-	-	-	-	KM41C256J - 10	-	-	-	-	-	-

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DRAM 64K x 4 100 ns RPLCC	-	-	-	-	-	-	-	-	KM41C464J - 10	-	-	-	-	HY53C464LF - 80	-
DRAM 64k x 4 100 ns DIL	-	-	-	-	-	-	-	-	KM41C464P - 10	-	-	-	-	HY53C464LS - 80	-
DRAM 256K x 1 80 ns DIP	-	-	-	-	-	-	-	TC51256P - 80	KM41C256P-8	-	-	-	-	HY53C256LS - 80	-
DRAM 256K x 4 70 ns SOJ	TMS44C256DJ - 70	HM514256AJP - 70	MB81C4256A - 70PJG	MT4C4256DJ - 7	M5M44256BJ - 7	MCM514256AJ - 70	UPD424256 -70SFL	-	KM44C256CJ - 7	-	-	-	-	-	-
DRAM 1M x 4 80 ns SOJ 300 MILS	TMS44400DJ - 80	HM514400AS8	MB814400A - 80	MT4C4001JDJ - 8	M5M44400AJ - 80	MCM54400AN80	UPD424400LA - 80	TC514400ASJ - 80	KM44C1000BJ - 8	GM71C44400AJ70	-	-	HYB514400 BJ - 80	-	-

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	TEXAS	HITACHI	FUJITSU	MICRON	mitsubishi	MOTOROLA	NEC	TOSHIBA	SAMSUNG	GOLDSTAR	LG INTERNAT.	BALTEA	SIEMENS	HYUNDAI	IBM
VIDEORAM DUAL PORT SOJ	TMS44C251A - 10DZ	HM534251JP11	-	-	M5M442256J - 10	-	UPD42274LE - 10	-	KM424C256J - 10	-	-	-	-	-	-
DRAM 256K x 4 70 ns DIL	TMS44C256N - 70	HM514256AP - 70	MB81C4256A - 70P	MT4C4256C - 7	M5M44256BP - 7	MCM514256AP - 70	UPD424256C - 70SSF	TC514256AP - 70	KM44C256CP - 7	-	-	-	-	-	-
DRAM 256K x 16 80 ns SOJ	-	HM514260AJ - 8	-	MT4C16257DJ - 8	M5M44260AJ - 8	-	UPD	TC514260BJ - 80	-	-	-	-	-	-	-
DRAM 1M x 4 70 ns SOJ	TMS44400DJ - 70	HM514400BS7	MB814400A - 70	-	M5M44400BJ - 7	-	UPD424400 - 70	TC514400ASJ - 70	KM44C1000CJ - 7	GM71C4400AJ70	-	-	-	HYB514400BJ - 70	-
DRAM 1M x 1 70 ns SOJ	-	-	-	-	-	-	-	-	KM41C1000CJ - 7	-	-	-	-	-	-

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	TEXAS	HITACHI	FUJITSU	MICRON	mitsubishi	MOTOROLA	NEC	TOSHIBA	SAMSUNG	GOLDSTAR	LG INTERNAT.	BALTEA	SIEMENS	HYUNDAI	IBM
DRAM 256K x 16 70 ns SOJ	TMS45160DZ - 70	HM514260AJ - 70	-	-	-	-	UPD424260LE - 70	TC514260BJ - 70	KM416C256AJ - 7	-	-	-	-	-	-
DRAM 256K x 4 60 ns SOJ REEL	-	-	-	-	-	-	-	-	KM44C256CJ - 6	-	-	-	-	-	-
DRAM 1M x 1 70 ns SOJ REEL	TMS4C1024DJ - 70	-	MB81C1000A70PJRG	-	-	MCM511000AJ - 70R	-	TC11000AJ - 70	-	-	-	-	-	-	-
MULTIPOINT DRAM	-	-	-	-	-	-	-	-	KM428C128J - 8	-	-	-	-	-	-
DRAM 64K x 16 80 ns SOJ	-	-	-	-	-	-	-	TC511664BJ - 80	-	-	-	-	-	-	-

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DRAM 1M x 4 80 ns SOJ REEL	TMS44400DJ - 80DR	HM514400BS8KZ	MB814400A - 80PJNR	-	M5M44400BJ - 8NO	-	UPD424400LA - 80E2	-	-	HYB514400CBJ - 80	-	-	-	-	-
DRAM 1M x 4 70 ns SOJ REEL	TMS44400DJ - 7	HM514400BS7KZ	MB814400A - 70	-	M5M44400BJ - 7	MCM54400AN70R2	UPD424400LA - 70E2	-	KM44C1000BJ - 7	-	-	-	HYB514400CBJ - 70	-	-
VIDEORAM 70 ns SOJ	-	-	-	MT42C8256 - DJ - 7	-	-	UPD482235LEF - 70	-	KM4287C257J - 8	-	-	-	-	-	-
DRAM MOD. 512K x 36 - 80ns n.16 256K x 4 + n.8 256K x 1 2 sides GOLD-PLATED SIMM 2 MB	-	-	-	-	-	-	-	THM365120ASG - 70	KMM536512A - 8	-	-	-	-	-	-
DRAM MOD. 4M x 9 - 80ns n. 9 4M x 1 SOJ 300 MILS TIN-PLATED SIMM 4 MB	-	-	-	-	-	-	-	-	KMM1594000B - 8	-	-	-	-	-	-



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	TEXAS	HITACHI	FUJITSU	MICRON	mitsubishi	MOTOROLA	NEC	TOSHIBA	SAMSUNG	GOLDSTAR	LG INTERNAT.	BALTEA	SIEMENS	HYUNDAI	IBM
DRAM 512K x 36 -70ns no. 16 256K x 4 + no. 8 256K x 1 2 sides GOLD-PLATED SIMM 2 MB	-	-	-	-	-	-	-	THM365120ASG - 70	-	-	-	-	-	-	-
MOD. DRAM 2M x 36 - 70ns no. 16 1M x 4 + no. 8 1M x 1 2 sides GOLD-PLATED SIMM 8 MB	TMS248NBK36B - 70	-	-	-	-	-	-	THM362040ASG - 70	KMM5362000B2G - 7	-	-	-	-	-	-
DRAM MOD. 1M x 36 - 70 ns no. 8 1M x 4 + no. 4 1M x 1 GOLD-PLATED SIMM 4 MB	TM124MBK36 - 70	HB56D136BR - 6A	-	-	MH1M36ADJ - 7	-	-	THM361020ASG - 70	KMM5361000B2G - 7	-	-	-	-	-	-
DRAM MOD. 256K x 32 - 70 ns no. 8 256K x 4 SOJ x 1 side TIN-PLATED SIMM 72 1 MB	TM256BBK32 - 70	HB56D25632SB - 7A	-	-	-	-	-	-	-	-	-	-	-	-	-
DRAM MOD. 512K x 32 - 70 ns no.16 256K x 4 SOJ x 2 sides TIN-PLATED SIMM 72 2 MB	TM512CBK32 - 70	HB56D51232SB - 7A	-	-	-	-	-	-	-	-	-	-	-	-	-

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DRAM MOD. 1M x 9 - 70 ns no. 2 1M x 4 + no. 1 1M x 11 side TIN-PLATED SIMM 1 MB	TM124EU9B - 70	HB56G19B - 7A	-	-	-	MCM91430S - 70	-	-	KMM591000BN - 7	GMM791000BNS70	-	-	-	-	-
DRAM MOD. 4M x 9 - 70 ns no. 9 4M x 1 on 1 side TIN-PLATED SIMM 4 MB	TM4100EAD9 - 70	HB56A49BR - 7A	-	-	-	-	-	-	KMM594000B - 7	GMM794000BS - 70	-	-	-	-	-
DRAM MOD. 1M x 32 - 70 ns no. 8 1M x 4 on 1 side TIN-PLATED SIMM 4 MB	TM124BBK32S - 70	HB56A132SBV - 7A	MB85341A-70	MT8D132M-7	MH1M32ANDJ - 7	SCM32130USH70	UPD421000A32NE - 70 421000A32BA - 70	THM321000AS - 70	KMM5321000C - 7	GMM7321000BS	-	-	-	HYM532100AM	-
DRAM MOD. 2M x 36 - 70 ns QUAD CAS 2 sides TIN-PLATED SIMM 8 MB	TM248NBK36R - 70	HB56D236SBW-7B	-	-	-	-	MC422000A36BT-70	-	KMM5362203AW - 7	-	-	-	-	-	-
DRAM MOD. 1M x 36 - 70 ns no. 8 1M x 4 + no. 1 1M x 4 Q. CAS 1 side TIN-PLATED SIMM 4 MB (M4-4x2/4x4 only)	TM124MBK36R - 70	HB56D136SBW-7B	-	-	MH1M36BNYJ-7	-	-	-	KMM5361003C - 7	-	-	-	-	-	-

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DRAM MOD. 2M x 32 - 70 ns no. 16 1M x 4 2 sides TIN-PLATED SIMM 8 MB	TM248CBK32S - 70	HB56A232SBT - 7B	MB85342A-70	-	-	-	-	-	KMM532200CV - 7 KMM5322208AJ - 6	-	-	-	-	-	-
DRAM MOD. 2 M x 36 - 70 ns no. 16 1M x 4 + no. 2 1M x 4 2 sides GOLD-PLATED SIMM Q.CAS 8 MB	TMS248NBK36B - 70	-	-	-	-	-	-	-	KMM5362003BG - 7	-	-	-	-	-	-
DRAM MOD. 1M x 36 - 70 ns no. 8 1M x 4 + no. 1 1M x 4 1 side GOLD-PLATED SIMM 4 MB	TM124MBK36 B - 70	-	-	-	-	-	-	-	KMM5361003BG - 7	-	-	-	-	-	-
DRAM MOD. 4M x 36 - 70 ns no. 8 4M x 4 + no. 4 4M x 1 2 sides GOLD-PLATED SIMM 16 MB	-	HB56D436SBR - 7A	-	-	MH4M36BNXJ-7	MCM364004ASH70	424000A36BE - 7JJLK	THM364020BS - 70	KMM5364103AK - 7	-	GMM7364100ANS-60	-	HYM364020S-60	-	-
DRAM MOD. 1M x 36 - 70 ns no. 8 1M x 4 + no. 4 1M x 1 2 sides TIN-PLATED SIMM 4 MB	-	-	MB85323A - 70PB - D	-	MH1M36BNDJ - 7	SCM36100UASH70	UPD421000A36NE70	THM361020AS - 70	KMM5361000B2 - 7	GMM7361000BS70	-	-	-	-	-

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	TEXAS	HITACHI	FUJITSU	MICRON	mitsubishi	MOTOROLA	NEC	TOSHIBA	SAMSUNG	GOLDSTAR	LG INTERNAT.	BALTEA	SIEMENS	HYUNDAI	IBM
DRAM MOD. 2M x 36 - 70 ns no. 16 1M x 4 + no.8 1M x 1 2 sides TIN-PLATED SIMM 8 MB	-	-	-	-	MH2M36BNDJ - 7	-	MC422000A36BT-70	-	KMM5362000B - 7	-	-	MC422000A36BT-70	-	-	IBM11D2360BA-70
DRAM MOD. 4M x 36 - 70 ns no. 8 4M x 4 + no. 4 4M x 1 2 sides TIN-PLATED SIMM 16 MB	-	-	-	-	-	-	-	THM364020S - 70	KMM5364100 - 7	-	-	-	-	-	-
DRAM MOD. 8M x 36 - 70 ns no. 16 4M x 4 + no. 8 4M x 1 2 sides TIN-PLATED SIMM 32 MB	-	-	-	-	-	-	-	-	KMM5368100B - 7	-	-	-	-	-	-
DRAM MOD. 8M x 36 - 70 ns no. 16 4M x 4 + no. 8 4M x 1 2 sides GOLD-PLATED SIMM 32 MB	-	-	-	-	-	-	-	-	KMM5368100G - 7	-	-	-	-	-	-
DRAM MOD. 1M x 9 - 70 ns no. 2 1M x 4 + no. 1 1M x 1 1 side TIN-PLATED SIMM 1 MB	-	-	-	-	-	-	-	-	-	GMM791000NS - 70	-	-	-	HYM591000AM - 70	-



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DRAM 256K x 16 70 ns SOJ VIDEO MEM. FOR MATROX BOARD	TMS55165DDGH - 70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DRAM MOD. 8 MB x 36 - 70 ns no. 16 4M x 4 + no. 2 4M x 4 2 sides TIN-PLATED SIMM 32 MB	-	-	-	-	MH8M36BNJ-7	-	-	-	KMM5368103AK-7	-	-	-	-	-	-
MOD. EDO DRAM 1 MB x 32 - 70 ns no. 2 1M x 16 1 side TIN-PLATED SIMM 4 MB M4-PXX, PCS x100 only)	Z124FBK32S-60	HB56U132SB-7A	MB85343C-60PB-D	-	MH1M325BNXJ6	-	NC421000F32BA-70	THM3210B5BS-70	KMM5321204AW-6	-	GMM7321010CS-70	-	-	-	-
DRAM MOD. 4 MB x 32 - 70 ns no. 8 4M x 4 1 side TIN-PLATED SIMM 16 MB	-	-	-	-	MH4M32BNXJ-7	-	-	THM32400BS-70	KMM5324100AK-7	-	GMM7324100ANS-7	-	-	-	IBM11D4320B-70
MOD. EDO DRAM 1 MB x 32 - 60 ns TIN-PLATED SIMM 4 MB (M4-PXX i only)	Z124FBK32S-60	-	MB85343C-60PB-D	MT8D132M-60	MH1M325BNXJ6	-	421000F32BA-60	-	KMM5321204AW-6	-	-	-	-	-	-

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MOD. EDO DRAM 2 MB x 32 - 60 ns TIN-PLATED SIMM 8 MB (M4-PXX i only)	Z248GBK32U-60 OL	.	MB85344C-60PB-D	MT16D232M-6X	.	.	422000F32BA-60	.	KMM5322204AW-6
MOD. EDO DRAM 4 MB x 32 - 60 ns no. 8 4M x 4 1 side TIN-PLATED SIMM 16 MB (M4-PXX i only)	.	.	.	.	.	.	.	.	KMM5324104AK-6	.	.	.	.	.	.
MOD. EDO DRAM 8 MB x 32 - 60 ns no. 16 4M x 4 2 sides TIN-PLATED SIMM 32 MB (M4-PXX i only)	.	.	.	.	.	.	.	.	KMM5328104AK-6	.	.	.	.	.	.
MOD. EDO DRAM 2 MB x 32 - 70 ns no. 4 1M x 16 2 sides TIN-PLATED SIMM 8 MB (M4-PXX, PCS x100 only)	Z248GBK32S-60	.	MB85344C-60PB-D	MT16D232M-6X	.	.	.	.	KMM5322204AW-6	.	.	.	.	.	.
MOD. EDO DRAM 4 MB x 32 - 70 ns TIN-PLATED SIMM 16 MB (M4-PXX, PCS x100 only)	KMM5324104AK-6



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DRAM MOD. 2 MB x 36 - 60 ns no. 16 1M x 4 + no. 8 1M x 1 2 sides TIN-PLATED SIMM 8 MB (M6-950 only)	KMM5362203AW-6	HYM536200AM-60	.
DRAM MOD. 4 MB x 36 - 60 ns TIN-PLATED SIMM 16 MB (M6-950/6200 only)	MH4M36BNXJ-6	HYM536410AM-60	.
DRAM MOD. 8 MB x 36 - 60 ns TIN-PLATED SIMM 32 MB (M6-950/6200 only)	MH8M36BNJ-6	HYM536800AM-60	.

