

256K Low Power Byte-wide

32K x8

55ns, 70ns and 85ns standard speeds

	Basic Part #	Speed(s)	Vcc	Packaging			Pins
				DIP	SOP	Pins	
Hitachi *	HM62256	-7, -8	5 V	LP-xx	LFP-xx	28	DIP EOL
Samsung	K6T0808C1	-55, -70	5 V	D-x	G-x	28	
Cypress	CY62256	-55, -70	5 V	PC	SC	28	
Toshiba	TC55257	-55, -70, -85	5 V	P-xx	F-xx	28	EOL
NEC	uPD43256	-70, -85	5 V	CZ-xx	GU-xx	28	
Winbond	W24257	-70	5V		S-xx	28	
Hyundai	GM76C256C	-55, -70, -85	5 V	P-xx	DG-xx	28	
Sharp	LH62256	-70	5 V	D-xx	N-xx	28	

1Meg Low Power Byte-wide

128K x8

70ns and 85ns standard speeds

	Basic Part #	Speed(s)	Vcc	Packaging				Pins
				DIP	SOP	TSOP	Pins	
Hitachi *	HM628128	-55 -70	5 V	LP-xx	LFP-xx	LT-xx	32	
Samsung	K6T1008C2	-55, -70	4.5-5.5 V	D-xx	G-xx	T-xx	32	
Cypress	CY62128	-55, -70	4.5-5.5 V			Z	32	
Toshiba	TC551001	-55, -70, -85	5 V	P-xx	F-xx	FT-xx	32	EOL Dec. '01
NEC	uPD431000	-70, -85	4.5-5.5 V	CZ-xx	GW-xx	GZ-xx	32	
Winbond	W24100	-70		-xx	S-xx	T-xx	32	
Hyundai	HY628100B	-55, -70, -85	5 V		BLG	BLT	32	
Sony	CXK581001	-70, 85	5 V		M-xx	TM-xx	32	Discontinued

4Meg Low Power Byte-wide

512K x8, 256K x16

55ns, 70ns and 85ns standard speeds

	Basic Part #	Speed(s)	Vcc	Org.	Packaging						Pins/Bump
					DIP	SOP	TSOPII	TSOP (rev)	CSP	TSOP-I	
Hitachi*	HM628512	-55, -70	5 V	x8	LP-xx	LFP-xx	LTT-xx	LRR-xx			32
	HM62V8512	-55, -70	2.7-3.6V	x8		LFP-xx	LTT-xx	LRR-xx			32
	HM62V16256	-55, -70	2.2 - 3.6V	x16			LTT-xx		LBPI-xxx		44/48
Samsung	K6T4008C1	-70, -85, -100	4.5-5.5 V	x8	D-xx	G-xx	V-xx	M-xx			32
	K6T4008U1	-70, -85, -100	2.7-3.3V	x8		G-xx	V-xx	M-xx			32
	K6T4016U	-70, -85, -100	2.7-3.3V	X16			T-xx	R-xx	Z-xx		44/48
Cypress	CY62148	-55, -70	5 V	x8			ZC	ZRC			32
	CY62148V	-55, -70	2.7 - 3.6v	x8			ZI				32
	CY62146V	-55, -70	2.7 - 3.6v	x16			ZI		BAI		44/48
	CY62147C18	-55, -70	1.65 - 1.95v	x16					BAI		48
Toshiba	TC554001	-70, -85, -100	5 V	x8		F-xx	FT-xx	TR-xx			32
	TC55V400	-70, -85, -100	2.3 - 3.6V	X16			FT-xx	TR-xx			48
NEC	uPD444012	-70, -85	2.7 - 3.6V	x16						GY	48
Hyundai	HY628400	-55, -70, -85	5V	x8		LG	LT	LR			32
	HY62U8400	-70, -85, -100	2.7 - 3.3v	x8		LG	LT	LR			32

8 Mb Low Power

512K x16

	Basic Part #	Speed(s)	Vcc	Org.	DIP	SOP	TSOPII	TSOP (rev)	CSP	TSOP-I	Pins/Bump
Hitachi	HM62V16512	-70	2.2 - 3.3V	x16			LTT-xx*		LBPI-xx		44/48
Samsung	K6T8016U	-55, -70	2.7 - 3.3V	x16			B/F-xx				44
Cypres	CY62157CV30	-55, -70	2.7V - 3.3V	x16						BAI	48
Toshiba	TC55W800	-55, -70	2.3 - 3.3V	x16					XB-xx	FT-xx	44/48
NEC	mPD448012	-55, -70, -85, -100	2.7V - 3.6V	x16						GY	48

* Under Development TSOP

4 Mb Fast CMOS

4M x1, 1M x4, 512K x8, 256K x16

15ns, 12ns and 10ns standard speeds

	Basic Part #	Speed(s)	Vcc	Org.	Packaging		TSOPII	Pins/Bump
					SOJ	TSOP		
Hitachi	HM621400H	-15, -12, -10	5 V	x1	JP-xx			32
	HM62W1400H	-15, -12	3.3V	x1	JP-xx		TT-xx	32
	HM624100H	-15, -12, -10	5 V	x4	JP-xx			32
	HM62W4100H	-15, -12	3.3V	x4	JP-xx			32
	HM628511H	-15, -12, -10	5 V	x8	JP-xx			36
	HM62W8511H	-15, -12	3.3V	x8	JP-xx			36
	HM6216255H	-15, -12, -10	5V	x16	JP-xx		TT-xx	44
	HM62W16255H	-15, -12	3.3V	x16	JP-xx		TT-xx	44
Samsung	K6R4004C1C	-20, -15, -12, -10	5V	x4	J-xx			32
	K6R4004V1C	-20, -15, -12, -10	3.3V	x4	J-xx			32
	K6R4008C1C	-20, -15, -12, -10	5V	x8	J-xx		T-xx	36/44
	K6R4008V1C	-20, -15, -12, -10	3.3V	x8	J-xx		T-xx	36/44
	K6R4016C1C	-20, -15, -12, -10	5V	x16	J-xx		T-xx	44/48
	K6R4016V1C	-20, -15, -12, -10	3.3V	x16	J-xx		T-xx	44/48
Cypress	CY7C1049	-20,-17,-15,-12	5V	x8	-xxVC			36
	CY7C1049V33	25,-20, -17, -15,-11	3.3V	x8	-xxVC			36
	CY7C1041	-20,-17,-15,-12	5V	x16	-xxVC		-xxVC	44
	CY7C1041V33	-25,-20,-15,-12	3.3V	x16	-xxVC		-xxVC	44
Toshiba	TC551402	-25	5V	x1, x4	J-xx			32
	TC55V1403	-20, -15	3.3V	x1, x4	J-xx	FT-xx		32
	TC55V8512	-20, -15, -12	3.3V	x8	J-xx	FT-xx		32/44
	TC55V16256	-15, -12	3.3V	x16	J-xx	FT-xx		44
NEC	uPD434001A	-20, -17, -15	5V	x1	LE-xx			32
	uPD434001AL	-20, -17, -15	3.3V	x1	LE-xx		G5-xx	32
	uPD434004A	-20, -17, -15	5V	x4	LE-xx			32
	uPD434004AL	-20, -17, -15	3.3V	x4	LE-xx			32
	uPD434008A	-17, -15, -12	5V	x8	LE-xx			36
	uPD434008AL	-20, -17, -15	3.3V	x8	LE-xx			36
	uPD434016A	-17, -15, -12	5V	x16	LE-xx		G5-xx	44
	uPD434016AL	-20, -17, -15	3.3V	x16	LE-xx		G5-xx	44
Mitsubishi	M5M54R01	-20, -15, -12	5V	x1	J-xx			
	M5M5V4R01	-15, -12, -10	3.3V	x1	J-xx			
	M5M54R04	-20, -15, -12	5V	x4	J-xx			
	M5M5V4R04	-20, -15, -12	3.3V	x4	J-xx			
	M5M54R08	-20, -15, -12	5V	x8	J-xx			
	M5M5V4R08	-20, -15, -12	3.3V	x8	J-xx			
Motorola	MCM6949	-15, -12, -10,	3.3V	x4	YJ-xx			32
	MCM6946	-15, -12, -10,	3.3V	x8	YJ-xx		TS-xx	36/44
	MCM6343	-15, -12, -11	3.3V	x16	YJ-xx		TS-xx	44
GSI	GS74104	-15, -12, -10, -8	3.3V	x4	J-xx		TP-xx	32/44
	GS74108	-15, -12, -10, -8	3.3V	x8	J-xx		TP-xx	36/44
	GS74116	-15, -12, -10, -8	3.3V	x16	J-xx		TP-xx	44

Note: Additional Part Number suffixes such as "I" for Industrial Temp Range and "L" or "SL" for Low Power selections are available on these products and are supported by Hitachi and other suppliers.

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