

OTP and UV EPROM products

Cross-reference guide



Long-term commitment

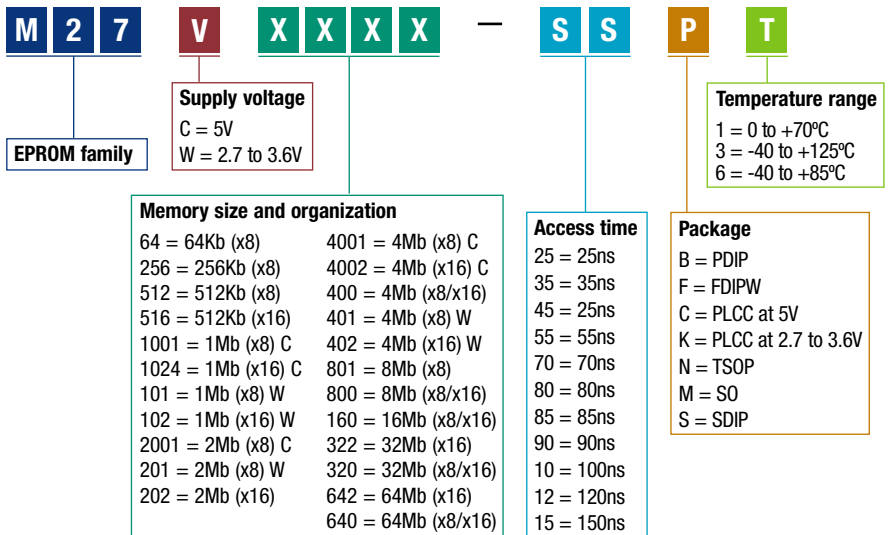
STMicroelectronics is committed to supporting the EPROM market in the long-term, guaranteeing manufacturing capability and high quality service. Continuous investment and innovation in technology are driving the expansion of both our product portfolio and device performance, thus confirming ST's role of world leader in EPROMs.

How to use the cross-reference guide

This cross-reference guide is intended as a tool to help you to locate the ST EPROM products most compatible with EPROM devices from other vendors.

It is very easy to use: simply choose the competitor part number, according to memory size, pin organization and package and you'll find the ST equivalent part number.

ST EPROM part numbering scheme



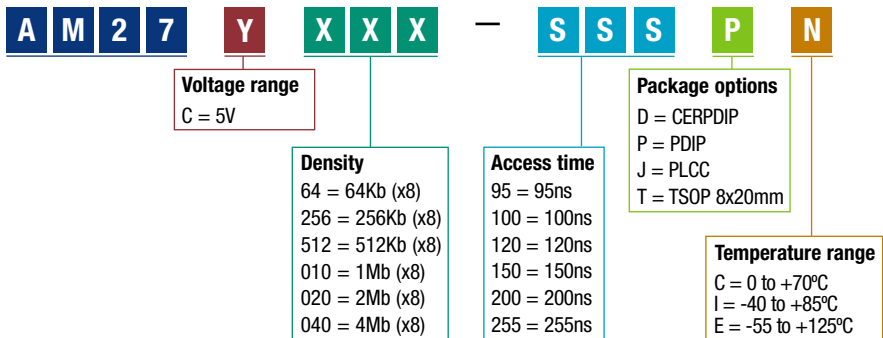
Some of the products listed in this guide are available on demand. If you are interested in having more information about these and other products or if your requirements are not in this guide, contact the ST sales office in your area.

You can also visit us at www.st.com/eprom or contact us at ask.memory@st.com

Size	Organization	Package	Power supply	AMD part number	ST part number
64Kb	x8	FDIP28	5V	AM27C64	M27C64A
		PDIP28	5V	AM27C64	M27C64A*
		PDIP28	5V	AM27X64	M27C64A*
		PLCC32	5V	AM27C64	M27C64A
		PLCC32	5V	AM27X64	M27C64A
256Kb	x8	FDIP28	5V	AM27C256	M27C256B
		PDIP28	5V	AM27C256	M27C256B
		PDIP28	5V	AM27X256	M27C256B
		PLCC32	5V	AM27C256	M27C256B
		PLCC32	5V	AM27X256	M27C256B
512Kb	x8	FDIP28	5V	AM27C512	M27C512
		PDIP28	5V	AM27C512	M27C512
		PLCC32	5V	AM27C512	M27C512
		PLCC32	5V	AM27X512	M27C512
		PLCC32	5V	AM27X512	M27C512
1Mb	x8	FDIP32	5V	AM27C010	M27C1001
		PDIP32	5V	AM27C010	M27C1001
		PDIP32	5V	AM27X010	M27C1001
		PLCC32	5V	AM27C010	M27C1001
		PLCC32	5V	AM27X010	M27C1001
2Mb	x8	FDIP32	5V	AM27C020	M27C2001
		PDIP32	5V	AM27C020	M27C2001
		PDIP32	5V	AM27X020	M27C2001
		PLCC32	5V	AM27C020	M27C2001
		PLCC32	5V	AM27X020	M27C2001
4Mb	x8	FDIP32	5V	AM27C040	M27C4001
		PDIP32	5V	AM27C040	M27C4001
		PDIP32	5V	AM27X040	M27C4001
		PLCC32	5V	AM27C040	M27C4001
		PLCC32	5V	AM27X040	M27C4001

* Available on demand

AMD EPROM part numbering scheme



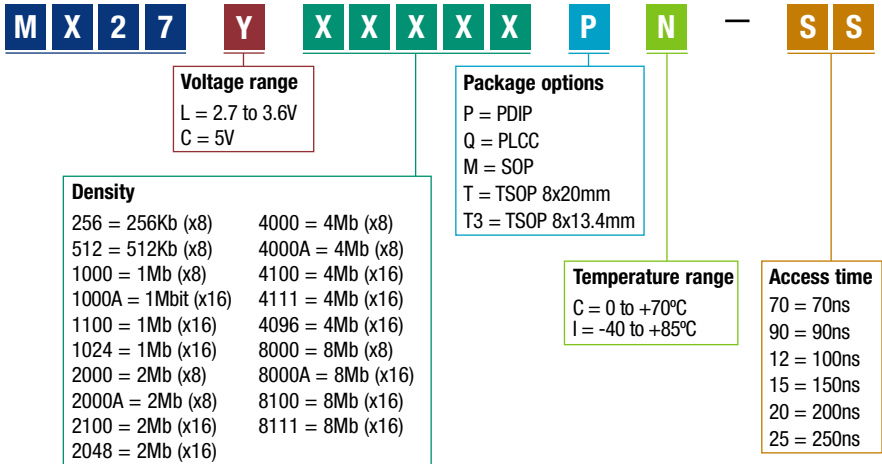
Macronix to ST

Size	Organization	Package	Power supply	Macronix part number	ST part number	
256K	x8	PDIP28	3V	MX27L256	M27W256	
		PDIP28	5V	MX27C256	M27C256B	
		PLCC32	3V	MX27L256	M27W256	
		PLCC32	5V	MX27C256	M27C256B	
		TSOP28 (8x13.4mm)	3V	MX27L256	M27W256*	
		TSOP28 (8x13.4mm)	5V	MX27C256	M27C256B*	
512K	x8	PDIP28	3V	MX27L512	M27W512	
		PDIP28	5V	MX27C512	M27C512	
		PLCC32	3V	MX27L512	M27W512	
		PLCC32	5V	MX27C512	M27C512	
		TSOP28 (8x13.4mm)	3V	MX27L512	M27W512	
		TSOP28 (8x13.4mm)	5V	MX27C512	M27C512	
1Mb	x16	PDIP40	5V	MX27C1100	M27C1024*	
		PDIP40	5V	MX27C1024	M27C1024	
		PLCC44	5V	MX27C1100	M27C1024*	
		PLCC44	5V	MX27C1024	M27C1024	
		S040	5V	MX27C1100	M27C1024*	
		PDIP32	5V	MX27C1000A	M27C1001	
		x8	PDIP32	5V	MX27C1000	M27C1001
			PDIP32	3V	MX27L1000	M27W101
	PLCC32		5V	MX27C1000A	M27C1001	
	PLCC32		5V	MX27C1000	M27C1001	
	PLCC32		3V	MX27L1000	M27W101	
	S032		5V	MX27C1000	M27C1001*	
	S032		5V	MX27C1000A	M27C1001*	
	S032		3V	MX27L1000	M27W101*	
	S040	5V	MX27C1024	M27C1024*		
	TSOP32	5V	MX27C1000	M27C1001		
	TSOP32 (8x20mm)	5V	MX27C1000A	M27C1001		
	TSOP32 (8x20mm)	3V	MX27L1000	M27W101		
	2Mb	x16	PDIP40	5V	MX27C2048	M27C202
			PLCC44	5V	MX27C2048	M27C202
x8			PDIP32	5V	MX27C2000A	M27C2001
			PDIP32	5V	MX27C2000	M27C2001
		PDIP32	3V	MX27L2000	M27W201	
		PLCC32	5V	MX27C2000	M27C2001	
S032		5V	MX27C2000A	M27C2001*		
S032		5V	MX27C2000	M27C2001*		
S032		3V	MX27L2000	M27W201*		
TSOP32		5V	MX27C2000	M27C2001		
TSOP32 (8x13.4mm)		3V	MX27L2000	M27W201*		
TSOP32 (8x14mm)		3V	MX27L2000	M27W201		
TSOP32 (8x20mm)		5V	MX27C2000A	M27C2001		
TSOP32 (8x20mm)		3V	MX27L2000	M27W201		
x8/x16		PDIP40	5V	MX27C2100	M27C202*	
		PLCC44	5V	MX27C2100	M27C202*	
	4Mb	x16	PDIP40	5V	MX27C4096	M27C4002
			PLCC44	5V	MX27C4096	M27C4002
			S040	5V	MX27C4096	M27C4002*
			x8	PDIP32	5V	MX27C4000
		PDIP32		5V	MX27C4000A	M27C4001
		PDIP32		3V	MX27L4000	M27W401
PLCC32		5V		MX27C4000	M27C4001	
PLCC32		5V	MX27C4000A	M27C4001		
PLCC32	3V	MX27L4000	M27W401			
S032	5V	MX27C4000	M27C4001*			

Size	Organization	Package	Power supply	Macronix part number	ST part number
4Mb		S032	5V	MX27C4000A	M27C4001*
		S032	3V	MX27L4000	M27W401*
		TSOP32	5V	MX27C4000	M27C4001
		TSOP32 (8x20mm)	5V	MX27C4000A	M27C4001
		TSOP32 (8x20mm)	3V	MX27L4000	M27W401
	x8/x16	PDIP40	5V	MX27C4100	M27C400
		PLCC44	5V	MX27C4100	M27C400*
		S040	5V	MX27C4100	M27C400*
	x8/x16 page mode	PDIP40	5V	MX27C4111	M27C400*
		S040	5V	MX27C4111	M27C400*
8Mb	x8	PDIP32	5V	MX27C8000	M27C801
		PDIP32	5V	MX27C8000A	M27C801
		PLCC32	5V	MX27C8000	M27C801
		PLCC32	5V	MX27C8000A	M27C801
		S032	5V	MX27C8000	M27C801*
		S032	5V	MX27C8000A	M27C801*
		S032	5V	MX27C8000A	M27C801*
		TSOP32	5V	MX27C8000	M27C801
		TSOP32 (8x20mm)	5V	MX27C8000A	M27C801
	x8/x16	PDIP42	5V	MX27C8100	M27C800
		S044	5V	MX27C8100	M27C800
	x8/x16 (page mode)	PDIP42	5V	MX27C8111	M27C800*
		SP44	5V	MX27C8111	M27C800*
	16Mb	x8/x16	PDIP42	5V	MX27C1610

* Available on demand

Macronix EPROM part numbering scheme

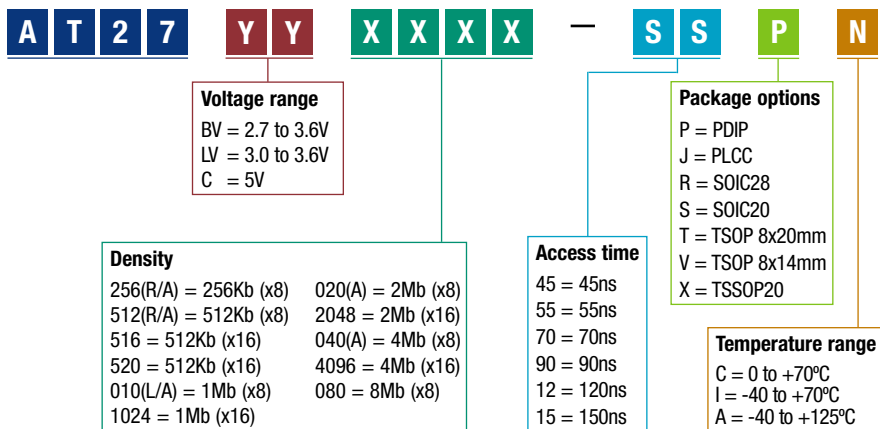


Size	Organization	Package	Power supply	Atmel part number	ST part number		
256Kb	x8	PDIP28	5V	AT27C256R	M27C256B		
		PLCC32	5V	AT27C256R	M27C256B		
		PLCC32	3V	AT27BV256	M27W256		
		PLCC32	3V	AT27LV256A	M27W256		
		S028	5V	AT27C256R	M27C256B*		
		S028	3V	AT27BV256	M27W256*		
		S028	3V	AT27LV256A	M27W256*		
		TSOP28	5V	AT27C256R	M27C256B		
		TSOP28	3V	AT27BV256	M27W256		
512Kb	x16	PLCC44	5V	AT27C516	M27C516*		
		TSOP40	5V	AT27C516	M27C516*		
	x8	PDIP28	5V	AT27C512R	M27C512		
		PLCC32	5V	AT27C512R	M27C512		
		PLCC32	3V	AT27BV512	M27W512		
		PLCC32	3V	AT27LV512A	M27W512		
		S020	3V	AT27LV520	M27W512*		
		S028	5V	AT27C512R	M27C512*		
		S028	3V	AT27BV512	M27W512*		
		S028	3V	AT27LV512A	M27W512*		
		TSOP28	5V	AT27C512R	M27C512		
		TSOP28	3V	AT27BV512	M27W512		
		TSOP28	3V	AT27LV512A	M27W512		
		TSSOP20	5V	AT27C520	M27C512*		
		TSSOP20	3V	AT27LV520	M27W512*		
		1Mb	x16	PDIP40	5V	AT27C1024	M27C1024
PLCC44	5V			AT27C1024	M27C1024		
PLCC44	3V			AT27BV1024	M27W102		
TSOP40	5V			AT27C1024	M27C1024		
VSOP40	3V			AT27BV1024	M27W102*		
x8	PDIP32		5V	AT27C010	M27C1001		
	PDIP32		5V	AT27C010L	M27C1001		
	PLCC32		5V	AT27C010	M27C1001		
	PLCC32		5V	AT27C010L	M27C1001		
	PLCC32		3V	AT27BV010	M27W101		
	PLCC32		3V	AT27LV010A	M27W101		
	TSOP32		5V	AT27C010	M27C1001		
	TSOP32		5V	AT27C010L	M27C1001		
	TSOP32		3V	AT27BV010	M27W101		
	TSOP32		3V	AT27LV010A	M27W101		
	2Mb		x16	PDIP40	5V	AT27C2048	M27C202
				PLCC44	5V	AT27C2048	M27C202
				TSOP40	5V	AT27C2048	M27C202
x8		PDIP32	5V	AT27C020	M27C2001		
		PLCC32	5V	AT27C020	M27C2001		
		PLCC32	3V	AT27BV020	M27W201		
		PLCC32	3V	AT27LV020A	M27W201		
		TSOP32	5V	AT27C020	M27C2001		
		TSOP32	3V	AT27BV020	M27W201		
4Mb	x16	PDIP40	5V	AT27C4096	M27C4002		
		PLCC44	5V	AT27C4096	M27C4002		
		PLCC44	3V	AT27BV4096	M27W402		
		TSOP40	5V	AT27C4096	M27C4002		
		TSOP40	3V	AT27BV4096	M27W402		

Size	Organization	Package	Power supply	Atmel part number	ST part number
4Mb	x8	PDIP32	5V	AT27C040	M27C4001
		PLCC32	5V	AT27C040	M27C4001
		PLCC32	3V	AT27BV040	M27W401
		PLCC32	3V	AT27LV040A	M27W401
		S032	5V	AT27C040	M27C4001*
		TSOP32	5V	AT27C040	M27C4001
		TSOP32	3V	AT27BV040	M27W401
8Mb	x8	PDIP32	5V	AT27C080	M27C801
		PLCC32	5V	AT27C080	M27C801
		S032	5V	AT27C080	M27C801*
		TSOP32	5V	AT27C080	M27C801
		TSOP32	3V	AT27LV040A	M27W401

* Available on demand

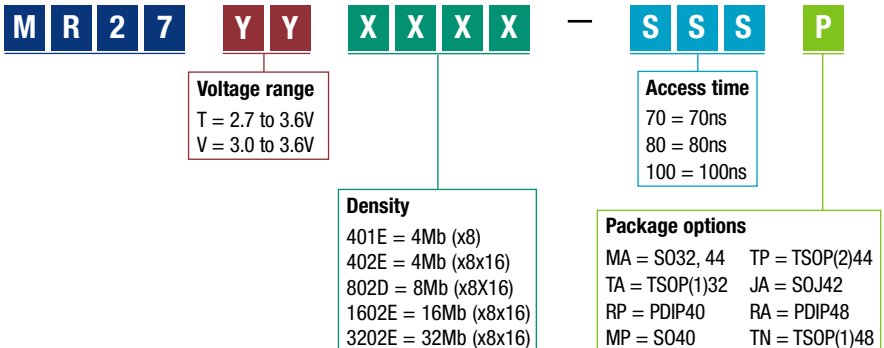
Atmel EPROM part numbering scheme



Size	Organization	Package	Power supply	OKI part number	ST part number
4Mb	x8	S032	3.3V	MR27V401E	M27W401
		TSOP32 Type I	3.3V	MR27V401E	M27W401
	x8/x16	TSOP44 Type II	3.3V	MR27V402E	M27W402
		PDIP40	3.3V	MR27V402E	M27W402
		S040	3.3V	MR27V402E	M27W402*
		SOJ42	3.3V	MR27V402E	M27W402*
8M	x8/x16	PDIP42	3.3V	MR27V802D	M27W800
		PDIP42	3.3V	MR27V802F	M27W800
		PDIP42	3.3V	MR27V852E	M27W800
		S044	3.3V	MR27V802D	M27W800
		S044	3.3V	MR27V802F	M27W800
		SOJ42	3.3V	MR27V852E	M27W800
		TSOP44 Type II	3.3V	MR27V802D	M27W800
		TSOP44 Type II	3.3V	MR27V802F	M27W800
16Mb	x8/x16	PDIP42	3.3V	MR27V1652E	M27V160
		S044	3.3V	MR27V1602E	M27V160
		S044	2.7 to 3.6V	MR27T1602E	M27V160
		S044	3.3V	MR27V1652E	M27V160
		TSOP44 Type II	3.3V	MR27V1602E	M27V160*
		TSOP44 Type II	2.7 to 3.6V	MR27T1602E	M27V160*
		TSOP48 Type I	3.3V	MR27V1602E	M27V160
		TSOP48 Type I	2.7 to 3.6V	MR27T1602E	M27V160
32Mb	x8/x16	S044	2.7 to 3.6V	MR27T3202F	M27V320
		S044	3.3V	MR27V3202F	M27V320
		TSOP44 Type II	2.7 to 3.6V	MR27T3202F	M27V320*
		TSOP44 Type II	3.3V	MR27V3202F	M27V320*
		TSOP48 Type I	2.7 to 3.6V	MR27T3202F	M27V320
		TSOP48 Type I	3.3V	MR27V3202F	M27V320

* Available on demand

OKI EPROM part numbering scheme

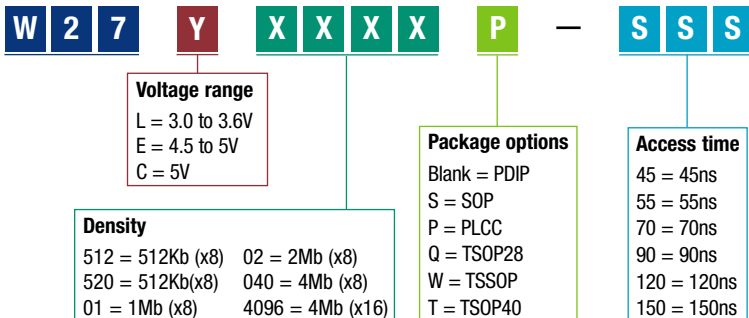


Temperature range: 0 to +70°C

Size	Organization	Package	Power supply	Winbond part number	ST part number
512Kb	x8	PDIP28	5V	W27E512	M27C512
		PLCC32	5V	W27C512	M27C512
		SOP20	3V	W27E520	M27W512*
		SOP20	3V	W27L520	M27W512*
		SOP20	3V	W27C520	M27W512*
		TSOP20	3V	W27E520	M27W512
		TSOP20	3V	W27L520	M27W512
1Mb	x8	PDIP32	5V	W27E01	M27C1001
		PDIP32	5V	W27C01	M27C1001
		PDIP32	3V	W27L01	M27W101
		PLCC32	5V	W27E01	M27C1001
		PLCC32	5V	W27C01	M27C1001
		PLCC32	3V	W27L01	M27W101
		S032	5V	W27E01	M27C1001*
		TSOP32	5V	W27C01	M27C1001
2Mb	x8	TSOP32	3V	W27L01	M27W101
		PDIP32	5V	W27E02	M27C2001
		PDIP32	5V	W27C02	M27C2001
		PDIP32	3V	W27L02	M27W201
		PLCC32	5V	W27E02	M27C2001
		PLCC32	5V	W27C02	M27C2001
		PLCC32	3V	W27L02	M27W201
		TSOP32	5V	W27E02	M27C2001
4Mb	x16	TSOP32	5V	W27C02	M27C2001
		TSOP32	3V	W27L02	M27W201
		PDIP40	5V	W27C4096	M27C4002
		PLCC44	5V	W27C4096	M27C4002
	x8	TSOP40	5V	W27C4096	M27C4002
		PDIP32	5V	W27E040	M27C4001
		PLCC32	5V	W27E040	M27C4001
		S032	5V	W27E040	M27C4001*
		TSOP32	5V	W27E040	M27C4001

* Available on demand

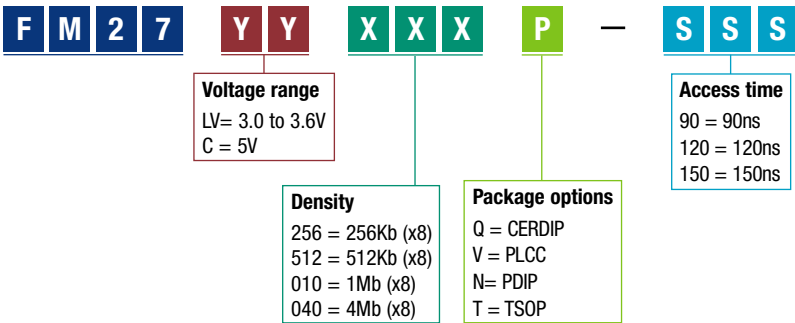
Winbond EPROM part numbering scheme



Temperature range: 0 to +70°C

Size	Organization	Package	Power supply	Fairchild part number	ST part number
256Kb	x8	FDIP28	5V	FM27C256	M27C256B
		PLCC32	5V	FM27C256	M27C256B
512Kb	x8	FDIP28	5V	FM27C512	M27C512
		PLCC32	5V	FM27C512	M27C512
1Mb	x8	FDIP32	5V	FM27C010	M27C1001
		PLCC32	5V	FM27C010	M27C1001
4Mb	x8	FDIP32	5V	FM27C040	M27C4001
		PLCC32	5V	FM27C040	M27C4001

Fairchild EPROM part numbering scheme

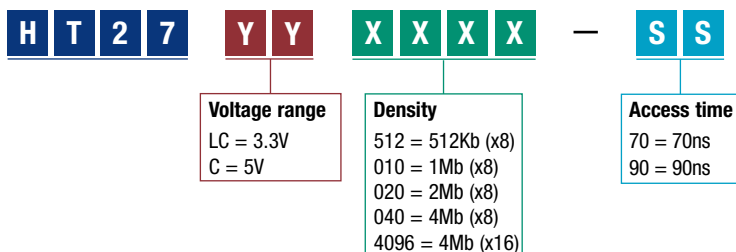


Temperature range: 0 to +70°C

Size	Organization	Package	Power supply	Holtek part number	ST part number
512Kb	x8	PDIP28	5V	HT27C512	M27C512
		PDIP28	3V	HT27LC512	M27W512
		PLCC32	5V	HT27C512	M27C512
		PLCC32	3V	HT27LC512	M27W512
		SO28	5V	HT27C512	M27C512*
		SO28	3V	HT27LC512	M27W512*
1Mb	x8	TSOP28	3V	HT27LC512	M27W512
		PDIP32	5V	HT27C010	M27C1001
		PDIP32	3V	HT27LC010	M27W101
		PLCC32	5V	HT27C010	M27C1001
		PLCC32	3V	HT27LC010	M27W101
		SO32	5V	HT27C010	M27C1001*
2Mb	x8	SO32	3V	HT27LC010	M27W101*
		TSOP32	3V	HT27LC010	M27W101
		PDIP32	5V	HT27C020	M27C2001
		PDIP32	3V	HT27LC020	M27W201
		PLCC32	5V	HT27C020	M27C2001
		PLCC32	3V	HT27LC020	M27W201
4Mb	x16	SO32	5V	HT27C020	M27C2001*
		SO32	3V	HT27LC020	M27W201*
		TSOP32	3V	HT27LC020	M27W201
		LCC44	5V	HT27C4096	M27C4002*
		LCC44	3V	HT27LC4096	M27W402*
		PDIP40	5V	HT27C4096	M27C4002
4Mb	x8	PDIP40	3V	HT27L4096	M27W402
		PDIP32	5V	HT27C040	M27C4001
		PDIP32	3V	HT27LC040	M27W401
		PLCC32	5V	HT27C040	M27C4001
		PLCC32	3V	HT27LC040	M27W401
		SO32	5V	HT27C040	M27C4001*
4Mb	x8	SO32	3V	HT27LC040	M27W401*
		TSOP32	3V	HT27LC040	M27W401

* Available on demand

Holtek EPROM part numbering scheme



Temperature range: 0 to +70°C

Note: no package codes have been reported in part numbering scheme



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Full product information at www.st.com

ORDER CODE: CREPROM/0603



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