

OTP and UV EPROM products

Cross-reference guide

STMicroelectronics



Atmel
Macronix
Hoftek
OKI
Winbond

January 2006

Long-term commitment

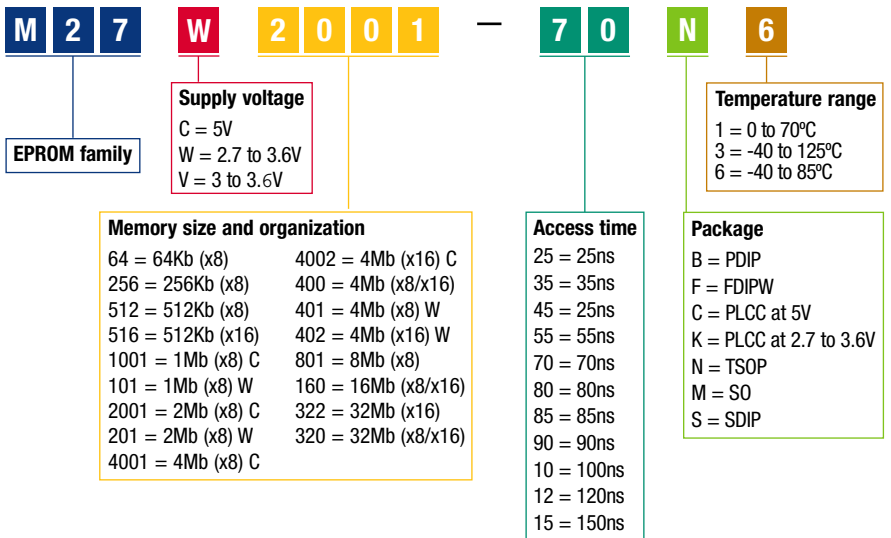
STMicroelectronics is committed to supporting the EPROM market in the long-term, guaranteeing manufacturing capability and high-quality service. Continuous investment and innovation in technology are driving the expansion of both our product portfolio and device performance, thus confirming ST's role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

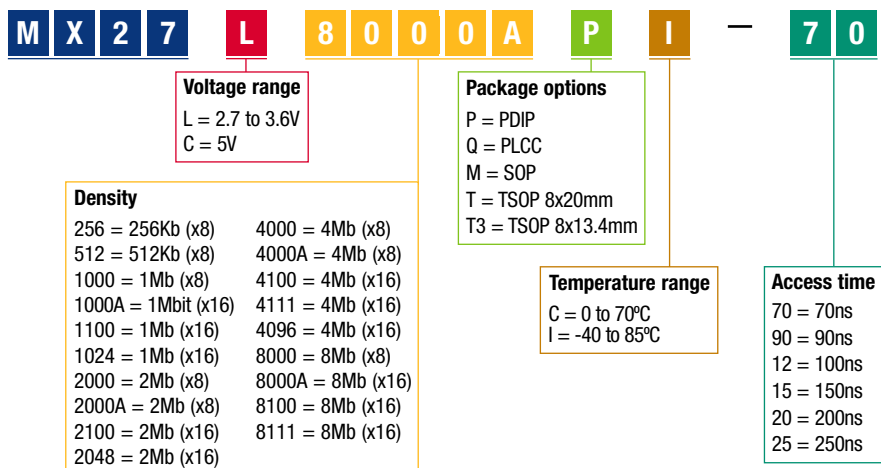
You can also visit us at www.st.com/eprom or contact us at ask.memory@st.com

Size	Macronix part number	Organization	Package	Power supply	ST part number
256K	MX27L256	x8	PDIP28	3V	M27W256
	MX27C256		PDIP28	5V	M27C256B
	MX27L256		PLCC32	3V	M27W256
	MX27C256		PLCC32	5V	M27C256B
	MX27L256		TSOP28 (8x13.4mm)	3V	M27W256*
	MX27C256		TSOP28 (8x13.4mm)	5V	M27C256B*
512K	MX27L512	x8	PDIP28	3V	M27W512
	MX27C512		PDIP28	5V	M27C512
	MX27L512		PLCC32	3V	M27W512
	MX27C512		PLCC32	5V	M27C512
	MX27L512		TSOP28 (8x13.4mm)	3V	M27W512
	MX27C512		TSOP28 (8x13.4mm)	5V	M27C512
1Mb	MX27C1000A		PDIP32	5V	M27C1001
	MX27C1000		PDIP32	5V	M27C1001
	MX27L1000	x8	PDIP32	3V	M27W101
	MX27C1000A		PLCC32	5V	M27C1001
	MX27C1000		PLCC32	5V	M27C1001
	MX27L1000		PLCC32	3V	M27W101
	MX27C1000		SO32	5V	M27C1001*
	MX27C1000A		SO32	5V	M27C1001*
	MX27L1000		SO32	3V	M27W101*
	MX27C1000		TSOP32	5V	M27C1001
	MX27C1000A		TSOP32 (8x20mm)	5V	M27C1001
	MX27L1000		TSOP32 (8x20mm)	3V	M27W101
2Mb	MX27C2000A	x8	PDIP32	5V	M27C2001
	MX27C2000		PDIP32	5V	M27C2001
	MX27L2000		PDIP32	3V	M27W201
	MX27C2000		PLCC32	5V	M27C2001
	MX27C2000A		SO32	5V	M27C2001*
	MX27C2000		SO32	5V	M27C2001*
	MX27L2000		SO32	3V	M27W201*
	MX27C2000		TSOP32	5V	M27C2001
	MX27L2000		TSOP32 (8x13.4mm)	3V	M27W201*
	MX27L2000		TSOP32 (8x14mm)	3V	M27W201
	MX27C2000A		TSOP32 (8x20mm)	5V	M27C2001
	MX27L2000		TSOP32 (8x20mm)	3V	M27W201
4Mb	MX27C4096	x16	PDIP40	5V	M27C4002
	MX27C4096		PLCC44	5V	M27C4002
	MX27C4096		SO40	5V	M27C4002*
	MX27C4000	x8	PDIP32	5V	M27C4001
	MX27C4000A		PDIP32	5V	M27C4001
	MX27L4000		PDIP32	3V	M27W401
	MX27C4000		PLCC32	5V	M27C4001
	MX27C4000A		PLCC32	5V	M27C4001
	MX27L4000		PLCC32	3V	M27W401
	MX27C4000		SO32	5V	M27C4001*
	MX27C4000A		SO32	5V	M27C4001*
	MX27L4000		SO32	3V	M27W401*
	MX27C4000		TSOP32	5V	M27C4001
	MX27C4000A		TSOP32 (8x20mm)	5V	M27C4001
	MX27L4000		TSOP32 (8x20mm)	3V	M27W401
	MX27C4100	x8/x16	PDIP40	5V	M27C400
	MX27C4100		PLCC44	5V	M27C400*
	MX27C4100		SO40	5V	M27C400*
	MX27C4111	x8/x16 page mode	PDIP40	5V	M27C400*
	MX27C4111		SO40	50	M27C400*

Size	Macronix part number	Organization	Package	Power supply	ST part number
8Mb	MX27C8000	x8	PDIP32	5V	M27C801
	MX27C8000A		PDIP32	5V	M27C801
	MX27C8000		PLCC32	5V	M27C801
	MX27C8000A		PLCC32	5V	M27C801
	MX27C8000		SO32	5V	M27C801*
	MX27C8000A		SO32	5V	M27C801*
	MX27C8000A		SO32	5V	M27C801*
	MX27C8000		TSOP32	5V	M27C801
16Mb	MX27C8000A		TSOP32 (8x20mm)	5V	M27C801
	MX27C1610	x8/x16	PDIP42	5V	M27C160

* Available on demand

Macronix EPROM part numbering scheme

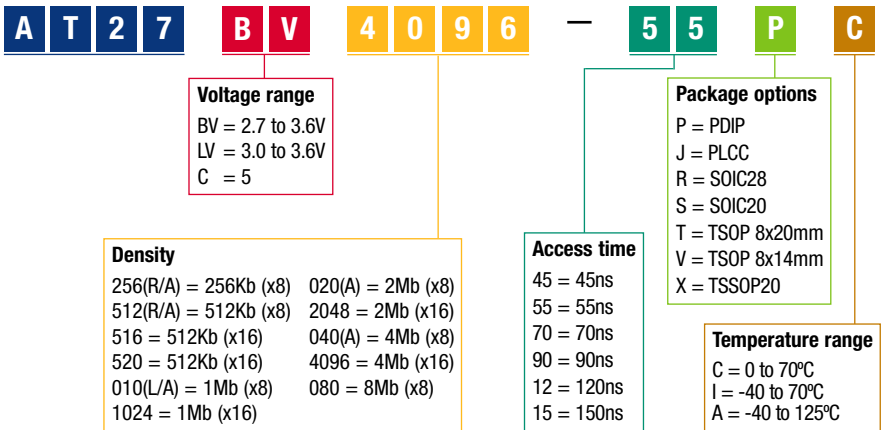


Size	Atmel part number	Organization	Package	Power supply	ST part number
256Kb	AT27C256R	x8	PDIP28	5V	M27C256B
	AT27C256R		PLCC32	5V	M27C256B
	AT27BV256		PLCC32	3V	M27W256
	AT27LV256A		PLCC32	3V	M27W256
	AT27C256R		SO28	5V	M27C256B*
	AT27BV256		SO28	3V	M27W256*
	AT27LV256A		SO28	3V	M27W256*
	AT27C256R		TSOP28	5V	M27C256B
512Kb	AT27BV256		TSOP28	3V	M27W256
	AT27LV256A		TSOP28	3V	M27W256
	AT27C516	x16	PLCC44	5V	M27C516*
	AT27C516		TSOP40	5V	M27C516*
	AT27C512R	x8	PDIP28	5V	M27C512
	AT27C512R		PLCC32	5V	M27C512
	AT27BV512		PLCC32	3V	M27W512
	AT27LV512A		PLCC32	3V	M27W512
	AT27LV520		SO20	3V	M27W512*
	AT27C512R		SO28	5V	M27C512*
	AT27BV512		SO28	3V	M27W512*
	AT27LV512A		SO28	3V	M27W512*
	AT27C512R		TSOP28	5V	M27C512
	AT27BV512		TSOP28	3V	M27W512
	AT27LV512A		TSOP28	3V	M27W512
	AT27C520		TSSOP20	5V	M27C512*
AT27LV520		TSSOP20	3V	M27W512*	
1Mb	AT27C010	x8	PDIP32	5V	M27C1001
	AT27C010L		PDIP32	5V	M27C1001
	AT27C010		PLCC32	5V	M27C1001
	AT27C010		PLCC32	5V	M27C1001
	AT27C010L		PLCC32	5V	M27C1001
	AT27BV010		PLCC32	3V	M27W101
	AT27LV010A		PLCC32	3V	M27W101
	AT27C010		TSOP32	5V	M27C1001
	AT27C010L		TSOP32	5V	M27C1001
	AT27BV010		TSOP32	3V	M27W101
	AT27LV010A		TSOP32	3V	M27W101
	AT27C020	x8	PDIP32	5V	M27C2001
2Mb	AT27C020		PLCC32	5V	M27C2001
	AT27BV020		PLCC32	3V	M27W201
	AT27LV020A		PLCC32	3V	M27W201
	AT27C020		TSOP32	5V	M27C2001
	AT27BV020		TSOP32	3V	M27W201
	AT27LV020A		TSOP32	3V	M27W201
4Mb	AT27C4096	x16	PDIP40	5V	M27C4002
	AT27C4096		PLCC44	5V	M27C4002
	AT27BV4096		PLCC44	3V	M27W402
	AT27C4096		TSOP40	5V	M27C4002
	AT27BV4096		TSOP40	3V	M27W402
	AT27C040	x8	PDIP32	5V	M27C4001
	AT27C040		PLCC32	5V	M27C4001
	AT27BV040		PLCC32	3V	M27W401
	AT27LV040A		PLCC32	3V	M27W401
	AT27C040		SO32	5V	M27C4001*
AT27C040		TSOP32	5V	M27C4001	
AT27BV040		TSOP32	3V	M27W401	
AT27LV040A		TSOP32	3V	M27W401	

Size	Atmel part number	Organization	Package	Power supply	ST part number
8Mb	AT27C080	x8	PDIP32	5V	M27C801
	AT27C080		PLCC32	5V	M27C801
	AT27C080		SO32	5V	M27C801*
	AT27C080		TSOP32	5V	M27C801

* Available on demand

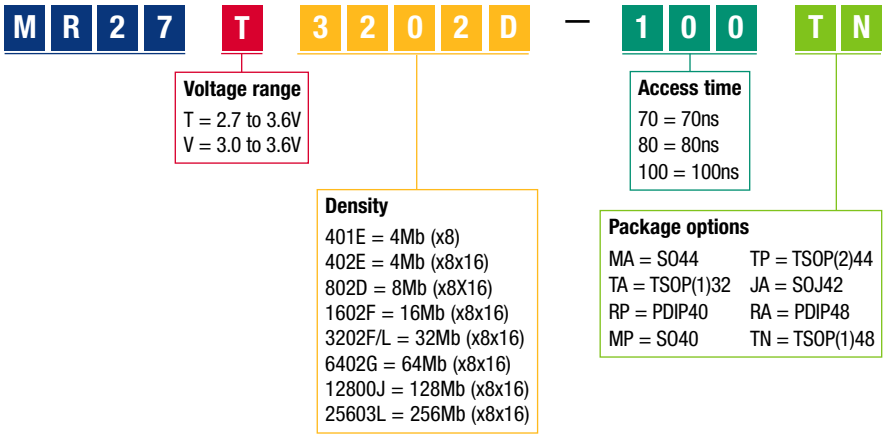
Atmel EPROM part numbering scheme



Size	OKI part number	Organization	Package	Power supply	ST part number
16Mb	MR27V1602F	x8x16	SO44	3.3V	M27V160
	MR27T1602F		SO44	2.7 to 3.6V	M27V160
	MR27V1602F		TSOP44 Type II	3.3V	M27V160*
	MR27T1602F		TSOP44 Type II	2.7 to 3.6V	M27V160*
	MR27V1602F		TSOP48 Type I	3.3V	M27V160
	MR27T1602F		TSOP48 Type I	2.7 to 3.6V	M27V160

* Available on demand

OKI EPROM part numbering scheme

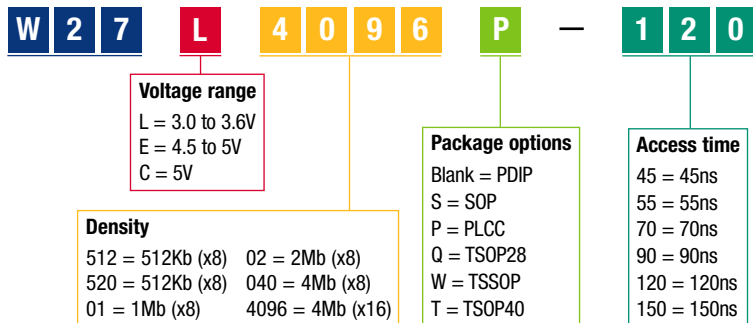


Temperature range: 0 to 70°C

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

* Available on demand

Winbond EPROM part numbering scheme

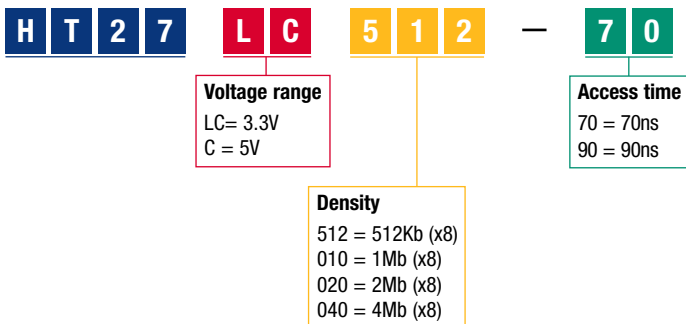


Temperature range: 0 to 70°C

Size	Holtek part number	Organization	Package	Power supply	ST part number
512Kb	HT27C512	x8	PDIP28	5V	M27C512
	HT27LC512		PDIP28	3V	M27W512
	HT27C512		PLCC32	5V	M27C512
	HT27LC512		PLCC32	3V	M27W512
	HT27C512		S028	5V	M27C512*
	HT27LC512		S028	3V	M27W512*
1Mb	HT27C010	x8	TSOP28	3V	M27W512
	HT27C010		PDIP32	5V	M27C1001
	HT27LC010		PDIP32	3V	M27W101
	HT27C010		PLCC32	5V	M27C1001
	HT27LC010		PLCC32	3V	M27W101
	HT27C010		S032	5V	M27C1001*
2Mb	HT27LC010		S032	3V	M27W101*
	HT27LC010		TSOP32	3V	M27W101
	HT27C020	x8	PDIP32	5V	M27C2001
	HT27LC020		PDIP32	3V	M27W201
	HT27C020		PLCC32	5V	M27C2001
	HT27LC020		PLCC32	3V	M27W201
4Mb	HT27C020		S032	5V	M27C2001*
	HT27LC020		S032	3V	M27W201*
	HT27LC020		TSOP32	3V	M27W201
	HT27C040	x8	PDIP32	5V	M27C4001
	HT27LC040		PDIP32	3V	M27W401
	HT27C040		PLCC32	5V	M27C4001
4Mb	HT27LC040		PLCC32	3V	M27W401
	HT27C040		S032	5V	M27C4001*
	HT27LC040		S032	3V	M27W401*
	HT27LC040		TSOP32	3V	M27W401

* Available on demand

Holtek EPROM part numbering scheme



Temperature range: 0 to 70°C

No package codes have been reported in part numbering



Information furnished is believed to be accurate and reliable. However, STMicroelectronics assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of STMicroelectronics. Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. STMicroelectronics products are not authorized for use as critical components in life support devices or systems without express written approval of STMicroelectronics.

© STMicroelectronics - January 2006 - Printed in Italy - All rights reserved

The STMicroelectronics corporate logo is a registered trademark of the STMicroelectronics group of companies.

All other names are the property of their respective owners.

For selected STMicroelectronics sales offices fax:

China +86 21 52574820; France +33 1 55489569; Germany +49 89 4605454; Italy +39 02 8250449; Japan +81 3 57838216;
Singapore +65 6481 5124; Sweden +46 8 58774411; Switzerland +41 22 9292900; United Kingdom and Eire +44 1628 890391;
USA +1 781 861 2678

Full product information at www.st.com

Order code: CREPROM0206

