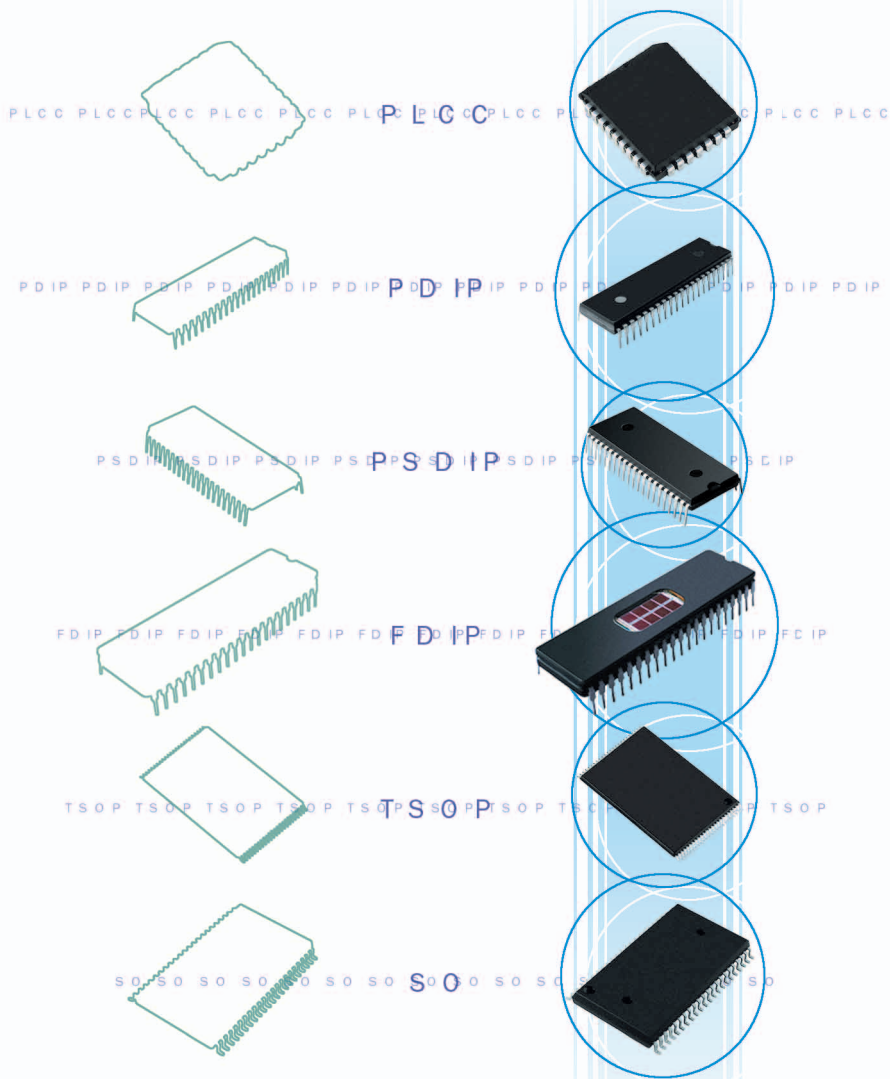


OTP and UV EPROM Products

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Cross Reference Guide

STMicroelectronics
More Intelligent Solutions



Introduction

Long-term commitment

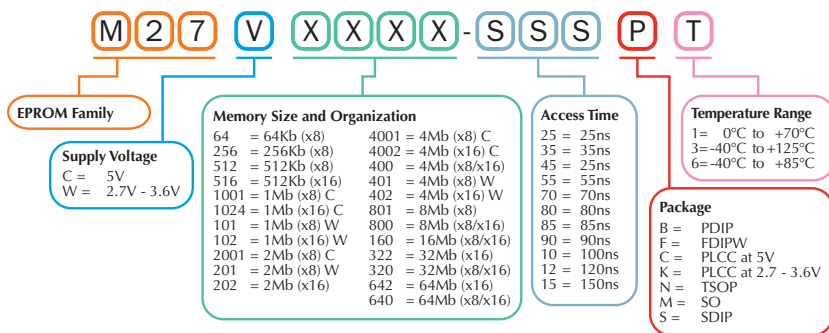
STMicroelectronics will support the EPROM market in the long term with a strong commitment, guaranteeing manufacturing capability and high quality service. Continuous investments and innovations in technology are driving the expansion of the product portfolio and the improvement of the devices performances, thus confirming the Company 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 find out the ST EPROM products most compatible with the EPROM devices offered by the competition on the market.

This guide is very easy to use: you just have to choose the competitor part number, according to the memory size, the pin organization and the package of the device you are looking for, and you will find the ST equivalent part number.

ST EPROM part numbering scheme



Some of the products listed in this guide are realized on demand, according to our customers needs. 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: a sales force will answer to your questions giving you the technical support needed.

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

Cross Reference: MACRONIX to ST

Size	Org.	Package	Power Supply	MACRONIX Part Number	ST Part Number		
1Mb	x16	PDIP40	5V	MX27C1100	M27C1024*		
		PLCC44	5V	MX27C1024	M27C1024		
		S040	5V	MX27C1100	M27C1024*		
		S040	5V	MX27C1024	M27C1024*		
	x8	TSOP40 (10x14mm)	5V	MX27C1024	M27C1024		
			5V	MX27C1000A	M27C1001		
		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*		
		TSOP32 (8x20mm)	5V	MX27C1000	M27C1001		
		TSOP32 (8x20mm)	5V	MX27C1000A	M27C1001		
		TSOP32 (8x20mm)	3V	MX27L1000	M27W101		
		x8/x16	PDIP42	5V	MX27C1610	M27C160	
		2Mb	x16	PDIP40	5V	MX27C2100	M27C202*
				PDIP40	5V	MX27C2048	M27C202
	PLCC44			5V	MX27C2048	M27C202	
	TSOP40 (10x14mm)			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 (8x20mm)			5V	MX27C2000	M27C2001		
TSOP32 (8x13.4mm)			3V	MX27L2000	M27W201*		
TSOP32 (8x14mm)			3V	MX27L2000	M27W201		
TSOP32 (8x20mm)			5V	MX27C2000A	M27C2001		
TSOP32 (8x20mm)			3V	MX27L2000	M27W201		
4Mb			x16	PDIP40	5V	MX27C4096	M27C4002
				PLCC44	5V	MX27C4096	M27C4002
			x8	PDIP32	5V	MX27C4000	M27C4001
	PDIP32	5V		MX27C4000A	M27C4001		
	PDIP32	3V		MX27L4000	M27W401		
	PLCC32	5V		MX27C4000	M27C4001		
	PLCC32	5V		MX27C4000A	M27C4001		
	PLCC32	3V		MX27L4000	M27W401		
	S032	5V		MX27C4000	M27C4001*		
	S032	5V		MX27C4000A	M27C4001*		
	S032	3V		MX27L4000	M27W401*		
	TSOP32 (8x20mm)	5V		MX27C4000	M27C4001		
	TSOP32 (8x20mm)	5V		MX27C4000A	M27C4001		
	TSOP32 (8x20mm)	3V		MX27L4000	M27W401		
	x8/x16	PDIP40		5V	MX27C4100	M27C400	
	PDIP40	5V		MX27C4111	M27C400*		
	S040	5V		MX27C4100	M27C400*		
	S040	5V		MX27C4100	M27C400*		
	S040	5V		MX27C4111	M27C400*		

* Available on demand.

Cross Reference: MACRONIX to ST

Size	Org.	Package	Power Supply	MACRONIX Part Number	ST Part Number
8Mb	x8	PDIP32	5V	MX27C8000	M27C801
		PDIP32	5V	MX27C8000A	M27C801
		PLCC32	5V	MX27C8000	M27C801
		PLCC32	5V	MX27C8000A	M27C801
		SO32	5V	MX27C8000	M27C801*
		SO32	5V	MX27C8000A	M27C801*
		SO32	5V	MX27C8000A	M27C801*
		TSOP32 (8x20mm)	5V	MX27C8000	M27C801
	x8/x16	TSOP32 (8x20mm)	5V	MX27C8000A	M27C801
		PDIP42	5V	MX27C8100	M27C800
		PDIP42	5V	MX27C8111	M27C800*
		SO44	5V	MX27C8100	M27C800
		SO44	5V	MX27C8111	M27C800*

Cross Reference: ATMEL to ST

Size	Org.	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		
		SO28	5V	AT27C256R	M27C256B*		
		SO28	3V	AT27BV256	M27W256*		
		SO28	3V	AT27LV256A	M27W256*		
		TSOP28	5V	AT27C256R	M27C256B		
		TSOP28	3V	AT27BV256	M27W256		
		TSOP28	3V	AT27LV256A	M27W256		
		512Kb	x16	PLCC44	5V	AT27C516	M27C516
				TSOP40 (10x14mm)	5V	AT27C516	M27C516
x8	PDIP28		5V	AT27C512R	M27C512		
	PLCC32		5V	AT27C512R	M27C512		
	PLCC32		3V	AT27BV512	M27W512		
	PLCC32		3V	AT27LV512A	M27W512		
	SO20		3V	AT27LV520	M27W512*		
	SO28		5V	AT27C512R	M27C512*		
	SO28		3V	AT27BV512	M27W512*		
	SO28		3V	AT27LV512A	M27W512*		
	TSOP28		5V	AT27C512R	M27C512		
	TSOP28		3V	AT27BV512	M27W512		
	TSOP28		3V	AT27LV512A	M27W512		
	TSOP28		5V	AT27C520	M27C512*		
	TSOP28		3V	AT27LV520	M27W512*		
	1Mb		x16	PDIP40	5V	AT27C1024	M27C1024
PLCC44		5V		AT27C1024	M27C1024		
PLCC44		3V		AT27BV1024	M27W102		
PLCC44		3V		AT27LV1026	M27W102*		
TSOP40 (10x14mm)		5V		AT27C1024	M27C1024		
TSOP40 (10x14mm)		3V		AT27LV1026	M27W102*		
TSOP40 (10x14mm)		3V		AT27BV1024	M27W102		
x8		PDIP32		5V	AT27C010	M27C1001	
		PDIP32		5V	AT27C010L	M27C1001	
		PLCC32		5V	AT27C010	M27C1001	
		PLCC32	5V	AT27C010	M27C1001		
		PLCC32	5V	AT27C010L	M27C1001		
		PLCC32	3V	AT27BV010	M27W101		
		PLCC32	3V	AT27LV010A	M27W101		
		TSOP32 (8x20mm)	5V	AT27C010	M27C1001		
		TSOP32 (8x20mm)	5V	AT27C010L	M27C1001		
		TSOP32 (8x20mm)	3V	AT27BV010	M27W101		
TSOP32 (8x20mm)		3V	AT27LV010A	M27W101			

Cross Reference: ATMEL to ST

Size	Org.	Package	Power Supply	ATMEL Part Number	ST Part Number	
2Mb	x16	PDIP40	5V	AT27C2048	M27C202	
		PLCC44	5V	AT27C2048	M27C202	
		TSOP40 (10x14mm)	5V	AT27C2048	M27C202	
	x8	PDIP32	5V	AT27C020	M27C2001	
		PLCC32	5V	AT27C020	M27C2001	
		PLCC32	3V	AT27BV020	M27W201	
		PLCC32	3V	AT27LV020A	M27W201	
		TSOP32 (8x20mm)	5V	AT27C020	M27C2001	
		TSOP32 (8x20mm)	3V	AT27BV020	M27W201	
		TSOP32 (8x20mm)	3V	AT27LV020A	M27W201	
4Mb	x16	PDIP40	5V	AT27C4096	M27C4002	
		PLCC44	5V	AT27C4096	M27C4002	
		PLCC44	3V	AT27BV4096	M27W402	
		TSOP40 (10x20mm)	5V	AT27C4096	M27C4002	
	x8	TSOP40 (10x20mm)	3V	AT27BV4096	M27W402	
		PDIP32	5V	AT27C040	M27C4001	
		PLCC32	5V	AT27C040	M27C4001	
		PLCC32	3V	AT27BV040	M27W401	
		PLCC32	3V	AT27LV040A	M27W401	
		SO32	5V	AT27C040	M27C4001*	
		TSOP32 (8x20mm)	5V	AT27C040	M27C4001	
		TSOP32 (8x20mm)	3V	AT27BV040	M27W401	
		TSOP32 (8x20mm)	3V	AT27LV040A	M27W401	
		x8/x16	PDIP40	5V	AT27C400	M27C400
			PLCC44	5V	AT27C400	M27C400*
			PLCC44	3V	AT27BV400	M27W400
			SO44	5V	AT27C400	M27C400*
			SO44	3V	AT27BV400	M27W400*
			TSOP48	5V	AT27C400	M27C400*
			TSOP48	3V	AT27BV400	M27W400*
8Mb	x8	PDIP32	5V	AT27C080	M27C801	
		PLCC32	5V	AT27C080	M27C801	
		SO32	5V	AT27C080	M27C801*	
		TSOP32 (8x20mm)	5V	AT27C080	M27C801	
	x8/x16	PDIP42	5V	AT27C800	M27C800	
		PLCC44	5V	AT27C800	M27C800	
		PLCC44	3V	AT27BV800	M27W800	
		SO44	5V	AT27C800	M27C800	
		SO44	3V	AT27BV800	M27W800*	
		TSOP48	5V	AT27C800	M27C800*	
		TSOP48	3V	AT27BV800	M27W800*	

Cross Reference: AMD to ST

Size	Org.	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
		PDIP28	5V	AM27X512	M27C512
		PLCC32	5V	AM27C512	M27C512
		PLCC32	5V	AM27X512	M27C512

* Available on demand.

Cross Reference: AMD to ST

Size	Org.	Package	Power Supply	AMD Part Number	ST Part Number
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

Cross Reference: OKI to ST

Size	Org.	Package	Power Supply	OKI Part Number	ST Part Number	
4Mb	x8	S032	3.3V	MR27V401E	M27W401	
		TSOP32 Type I	3.3V	MR27V401E	M27W401	
		x8x16	S040	3.3V	MR27V402E	M27W402
			PDIP40	3.3V	MR27V402E	M27W402
			TSOP44 Type II	3.3V	MR27V402E	M27W402
8M	x8x16	PDIP42	3.3V	MR27V802D	M27W800	
		S044	3.3V	MR27V802D	M27W800	
		TSOP44 Type II	3.3V	MR27V802D	M27W800	
		16Mb	x8/x16	S044	3.3V	MR27V1602E
TSOP44 Type II	3.3V			MR27V1602E	M27V160*	
TSOP48	3.3V			MR27V1602E	M27V160	
32Mb	x16	S044	3.3V	MR27V3202E	M27V160*	
		TSOP44 Type II	3.3V	MR27V3202E	M27V160*	

Cross Reference: WINBOND to ST

Size	Org.	Package	Power supply	WINBOND Part Number	ST Part Number
256Kb	x8	PDIP28	5V	W27E257	M27C256B
		PLCC32	5V	W27C257	M27C256B
512Kb	x8	PDIP28	5V	W27E512	M27C512
		PLCC32	5V	W27C512	M27C512
		S028	5V	W27E512	M27C512*
		TSOP28	5V	W27E512	M27C512
1Mb	x8	PDIP32	5V	W27E010	M27C1001
		PDIP32	5V	W27C010	M27C1001
		PDIP32	3V	W27L010	M27W101
		PLCC32	5V	W27E010	M27C1001
		PLCC32	5V	W27C010	M27C1001
		PLCC32	3V	W27L010	M27W101
		S032	5V	W27E010	M27C1001*
		TSOP32 (8x20mm)	5V	W27C010	M27C1001
		TSOP32 (8x20mm)	3V	W27L010	M27W101
		2Mb	x8	PDIP32	5V
PDIP32	5V			W27C020	M27C2001
PLCC32	5V			W27C020	M27C2001
PLCC32	5V			W27C020M	M27C2001
4Mb	x16	PDIP40	5V	W27C4096	M27C4002
		PLCC44	5V	W27C4096	M27C4002
		TSOP40 (10x20mm)	5V	W27C4096	M27C4002
	x8	PDIP32	5V	W27E040	M27C4001
		PLCC32	5V	W27E040	M27C4001
		S032	5V	W27E040	M27C4001*
		TSOP32 (8x20mm)	5V	W27E040	M27C4001

Cross Reference: FAIRCHILD to ST

Size	Org.	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

Cross Reference: HOLTEK to ST

Size	Org.	Package	Power Supply	HOLTEK Part Number	ST Part Number
512Kb	x8	PDIP28	5V	HT27C512	M27C512
		PLCC32	5V	HT27C512	M27C512
		S028	5V	HT27C512	M27C512*
		S028	3V	HT27LC512	M27W512*
1Mb	x8	PDIP32	5V	HT27C010	M27C1001
		PLCC32	5V	HT27C010	M27C1001
		S032	5V	HT27C010	M27C1001*
		S032	3V	HT27LC010	M27W101*
2Mb	x8	PDIP32	5V	HT27C020	M27C2001
		PLCC32	5V	HT27C020	M27C2001
		S032	5V	HT27C020	M27C2001*
		S032	3V	HT27LC020	M27W201*
4Mb	x16	PDIP32	5V	HT27C4096	M27C4002
		PLCC32	5V	HT27C4096	M27C4002
		S032	5V	HT27C4096	M27C4002*
		S032	3V	HT27LC4096	M27W402*
	x8	PDIP32	5V	HT27C040	M27C4001
		PLCC32	5V	HT27C040	M27C4001
		S032	5V	HT27C040	M27C4001*
		S032	3V	HT27LC040	M27W401*

* Available on demand.



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