Silicon Storage Technology, Inc.

SST Base Memory Cross Reference Table

Density	Voltage	Organized as x8/ x16	SST	AMD	ST Microelectronics	Atmel	Intel	Winbond
Flash								
512K	5V	8	SST39SF512; SST29EE512	AM28F512	M29F512	AT49F512, AT29C512	-	W29EE512
1M	5V	8	SST39SF010; SST29EE010	AM29F010, AM28F010	M29F010	AT49F010, AT49F001, AT29C010	28F001BX, 28F010	W29EE011, W29EE012
2M	5V	8	SST39SF020; SST29EE020	AM29F002	M29F002	AT49F020, AT49F002, AT29C020	28F002BC, 28F020	W29C020, W49F002
4M	5V	8	SST29SF040; SST39SF040	AM29F040	M29F040	AT49F040, AT29C040	28F004S5, 28F004B5	W29C040
512K	2.7-3.6V/ 3.0-3.6V	8	SST39VF512; SST39LF512; SST29VF512	-	M29W512	AT49LV512, AT49BV512	-	-
1M	2.7-3.6V/ 3.0-3.6V	8	SST39VF010; SST39LF010; SST29LE010; SST29VE010; SST29VF010	AM29LV010	M29W010	AT49(H)LV010, AT49(H)BV010, AT49(H)LV001, AT49(H)BV001, AT29LV010, AT29BV010	-	-
2M	2.7-3.6V/ 3.0-3.6V	8	SST39VF020; SST39LF020; SST29VF020	AM29LV002	M29W002, M29W022	AT49LV020, AT49BV020, AT49LV002, AT49BV002, AT29LV020, AT29BV020	28F002BV	-
4M	2.7-3.6V/ 3.0-3.6V	8	SST39VF040; SST39LF040; SST29VF040	AM29LV040, AM29LV004	M29W040, M29W004	AT49LV040, AT49BV040, AT49BV004	28F004S3, 28F004B3, 28F004BV, 28F004BE	-
8M	2.7-3.6V/ 3.0-3.6V	8	SST39VF080	AM29LV008, AM29LV081, AM29F080	M29W008	AT49LV080, AT49BV080, AT49LV008, AT49BV008, AT49F080	28F008S3, 28F008B3, 28F008BV, 28F008BE	-
16M	2.7-3.6V/ 3.0-3.6V	8	SST39VF016	AM29LV017, AM29LV116, AM29F016, AM29F017	M29W116	-	28F016S3, 28F016B3	-
1M	2.7-3.6V/ 3.0-3.6V	16	SST39VF100; SST39LF100	-	M29W102	AT49LV1024, AT49BV1024	-	W49L102
2M	2.7-3.6V/ 3.0-3.6V	16	SST39VF200A; SST39LF200A	AM29LV200	M29W200	AT49LV2048, AT49BV2048	-	-
4M	2.7-3.6V/ 3.0-3.6V	16	SST39VF400A; SST39LF400A	AM29LV400	M29W400	AT49LV4096, AT49BV4096	28F400B3, 28F400CV, 28F400CE, 28F400BV	-
8M	2.7-3.6V/ 3.0-3.6V	16	SST39VF800A; SST39LF800A	AM29LV800	M29W800	AT49LV8192, AT49BV8192	28F800B3, 28F800C3, 28F800CV, 28F800CE, 28F800BV	-
16M	2.7-3.6V/ 3.0-3.6V	16	SST39VF160	AM29LV160	M29W160	AT49BV1604, AT49BV1614	28F160S3, 28F160B3, 28F160C3	-

Density	Voltage	Organized as x8/ x16	SST	AMD	ST Microelectronics	Atmel	Intel	Winbond
MTP/OTP/UV-EPROM								
256K	5V	8	SST27SF256	AM27C256	M27256	AT27C256	-	-
512K	5V	8	SST27SF512	AM27C512	M27512	AT27C512	-	W27E512
1M	5V	8	SST27SF010	AM27C010	M27C1001	AT27C010	-	W27E010
2M	5V	8	SST27SF020	AM27C020	M27C2001	AT27C020	-	W27E020
512K	2.7-3.6V/ 3.0-3.6V	8	SST37VF512	AM27LV512	M27V512, M27W512	AT27LV512, AT27BV512	-	-
1M	2.7-3.6V/ 3.0-3.6V	8	SST37VF010	AM27LV010	M27V101, M27W101	AT27LV010, AT27BV010	-	W27L010
2M	2.7-3.6V/ 3.0-3.6V	8	SST37VF020	AM27LV020	M27V201, M27W201	AT27LV020, AT27BV020	-	W27C020M
4M	2.7-3.6V/ 3.0-3.6V	8	SST37VF040	AM27LV040	M27V401, M27V405, M27W401	AT27LV040, AT27BV040	-	-

+ The cross referencing by part numbers of SST with other Flash vendors is provided in the following pages. For part numbers not listed or for further details, please contact SST Marketing.

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
Flash Memory or EPROM - 256 Kbit								
AM27C256-70DC	AMD	32K x 8	12V/ 5V	70	UV EPROM	Ceramic DIP	SST27SF256-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-70PC	AMD	32K x 8	12V/ 5V	70	OTP	PDIP	SST27SF256-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-70JC	AMD	32K x 8	12V/ 5V	70	OTP	PLCC	SST27SF256-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-70/90/12/15/20DC	AMD	32K x 8	12V/ 5V	70, 90, 120, 150, 200	UV EPROM	Ceramic DIP	SST27SF256-90-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-70/90/12/15/20PC	AMD	32K x 8	12V/ 5V	70, 90, 120, 150, 200	OTP	PDIP	SST27SF256-90-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-70/90/12/15/20JC	AMD	32K x 8	12V/ 5V	70, 90, 120, 150, 200	OTP	PLCC	SST27SF256-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C256-55DC	AMD	32K x 8	12V/ 5V	55	UV EPROM	Ceramic DIP		No cross
AM27C256-55PC	AMD	32K x 8	12V/ 5V	55	OTP	PDIP		No cross
AM27C256-55JC	AMD	32K x 8	12V/ 5V	55	OTP	PLCC		No cross
AT27C256-70-PC	Atmel	32K x 8	12V/ 5V	70	OTP	PDIP	SST27SF256-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27C256-70-JC	Atmel	32K x 8	12V/ 5V	70	OTP	PLCC	SST27SF256-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27256-70-B	ST Micro	32K x 8	12V/ 5V	70	OTP	PDIP	SST27SF256-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27256-70-C	ST Micro	32K x 8	12V/ 5V	70	OTP	PLCC	SST27SF256-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W27E256-70	Winbond	32K x 8	5.0V-only	70	MTP-like	PDIP	SST27SF256-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W27E256P-70	Winbond	32K x 8	5.0V-only	70	MTP-like	PLCC	SST27SF256-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
Flash Memory or EPROM - 512 Kbit								
AM28F512-70/90-PC	AMD	64K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PDIP	SST39SF512-70/90-4C-PH	Same pinout except Vpp pin, need software changes
AM28F512-70/90-JC	AMD	64K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PLCC	SST39SF512-70/90-4C-NH	Same pinout except Vpp pin, need software changes
AM28F512-70/90-EC	AMD	64K x 8	12V/ 5V	70, 90	Bulk Erase Flash	TSOP (8x20)	SST39SF512-70/90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
							SST27SF512-70-3C-WH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
AM27C512-70DC	AMD	64K x 8	12V/ 5V	70	UV EPROM	Ceramic DIP	SST27SF512-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-70PC	AMD	64K x 8	12V/ 5V	70	OTP	PDIP	SST27SF512-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-70JC	AMD	64K x 8	12V/ 5V	70	OTP	PLCC	SST27SF512-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-90/120/150/200/255DC	AMD	64K x 8	12V/ 5V	90, 120, 150, 200, 255	UV EPROM	Ceramic DIP	SST27SF512-90-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-90/120/150/200/255PC	AMD	64K x 8	12V/ 5V	90, 120, 150, 200, 255	OTP	PDIP	SST27SF512-90-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-90/120/150/200/255JC	AMD	64K x 8	12V/ 5V	90, 120, 150, 200, 255	OTP	PLCC	SST27SF512-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C512-55DC	AMD	64K x 8	12V/ 5V	55	UV EPROM	Ceramic DIP		No cross
AM27C512-55PC	AMD	64K x 8	12V/ 5V	55	OTP	PDIP		No cross
AM27C512-55JC	AMD	64K x 8	12V/ 5V	55	OTP	PLCC		No cross
AT29C512-70/9012/15-PC	Atmel	64K x 8	5.0V-only	70, 90, 120, 150	Page Write Flash	PDIP	SST29EE512-70/90-4C-PH	100% drop-in replacement
AT29C512-70/90/12/15-JC	Atmel	64K x 8	5.0V-only	70, 90, 120, 150	Page Write Flash	PLCC	SST29EE512-70/90-4C-NH	100% drop-in replacement
AT29C512-70/90/12/15-TC	Atmel	64K x 8	5.0V-only	70, 90, 120, 150	Page Write Flash	TSOP (8x20)	SST29EE512-70/90-4C-EH	100% drop-in replacement
AT29LV512-15/20/25-PC	Atmel	64K x 8	3.0-3.6V only	150, 200, 250	Page Write Flash	PDIP	SST29LE512-150/200-4C-PH	100% drop-in replacement
AT29LV512-15/20/25-TC	Atmel	64K x 8	3.0-3.6V only	150, 200, 250	Page Write Flash	TSOP (8x20)	SST29LE512-150/200-4C-EH	100% drop-in replacement
AT49F512-70/90-PC	Atmel	64K x 8	5.0V-only	70, 90	Flash (Bulk erase + boot sector)	PDIP	SST39SF512-70/90-4C-PH	Same package, pinout and software command, different sector size
AT49F512-70/90-JC	Atmel	64K x 8	5.0V-only	70, 90	Flash (Bulk erase + boot sector)	PLCC	SST39SF512-70/90-4C-NH	Same package, pinout and software command, different sector size
AT49F512-70/90-VC	Atmel	64K x 8	5.0V-only	70, 90	Flash (Bulk erase + boot sector)	TSOP (8x14)	SST39SF512-70/90-4C-WH	Same package, pinout and software command, different sector size
AT49F512-70/90-TC	Atmel	64K x 8	5.0V-only	70, 90	Flash (Bulk erase + boot sector)	TSOP (8x20)	SST39SF512-90/70-4C-WH	Same pinout and software command, need layout wth longer trace, different sector size
							SST27SF512-70-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#1 & 2)
AT49BV512-12/15-PC	Atmel	64K x 8	2.7-3.6V only	120, 150	Flash (Bulk erase + boot sector)	PDIP	SST37VF512-90-3C-PH	If in-system programmability not used; Same package and pinout
AT49BV512-12/15-JC	Atmel	64K x 8	2.7-3.6V only	120, 150	M27C2001	PLCC	SST39VF512-90-4C-NH	Same package, pinout and software command, different sector size

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
							SST37VF512-90-3C-NH	If in-system programmability not used; Same package and pinout
AT49BV512-12/15-VC	Atmel	64K x 8	3.0-3.6V only	120, 150	Flash (Bulk erase + boot sector)	TSOP (8x14)	SST39VF512-90-4C-WH	Same package, pinout and software command, different sector size
							SST37VF512-90-3C-WH	If in-system programmability not used; Same package and pinout
AT49BV512-12/15-TC	Atmel	64K x 8	3.0-3.6V only	120, 150	Flash (Bulk erase + boot sector)	TSOP (8x20)	SST39VF512-90-4C-WH	Same pinout and software command, need layout wth longer trace, different sector size
							SST37VF512-90-3C-WH	If in-system programmability not used; Same package and pinout; need layout with longer trace (Refer Notes:#1 & 2)
AT27C512R-70-PC	Atmel	64K x 8	12V/ 5V	70	OTP	PDIP	SST27SF512-70-3C-PG	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)
AT27C512R-70-JC	Atmel	64K x 8	12V/ 5V	70	OTP	PLCC	SST27SF512-70-3C-NH	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)
AT27LV/BV512(A)-70-JC	Atmel	64K x 8	12V/ 5V	70	OTP	PLCC	SST37VF512-70-3C-NH	Different pinout, same functionality
AT27LV/BV512(A)-70-JC	Atmel	64K x 8	12V/ 5V	70	OTP	TSOP-28	SST37VF512-70-3C-WH	Different package and pinout, same functionality
M29F512B-45/70-NZ	ST Micro	64K x 8	5.0V-only	45, 70	Bulk Erase Flash	TSOP (8x14)	SST39SF512-70-4C-WH	Same package, pinout and software command, different sector size
M29F512B-45/70-NZ	ST Micro	64K x 8	5.0V-only	45, 70	Bulk Erase Flash	TSOP (8x14)	SST39SF512-70-4C-WH	Same package, pinout and software command, different sector size
M29W512B-55/70/90-K	ST Micro	64K x 8	2.7-3.6V only	55, 70, 90	Bulk Erase Flash	PLCC	SST39VF512-90-4C-NH	Same package, pinout and software command, different sector size
M29W512B-55-K	ST Micro	64K x 8	2.7-3.6V only	55	Bulk Erase Flash	PLCC	SST39LF512-55-4C-NH	Same package, pinout and software command, different sector size
M29W512B-70/90-K	ST Micro	64K x 8	2.7-3.6V only	70, 90	Bulk Erase Flash	PLCC	SST39VF512-90-4C-NH	Same package, pinout and software command, different sector size
							SST37VF512-90-3C-NH	If in-system programmability not used; Same package and pinout
M29W512B-55-NZ	ST Micro	64K x 8	2.7-3.6V only	55	Bulk Erase Flash	TSOP (8x14)	SST39LF512-55-4C-WH	Same package, pinout and software command, different sector size
M29W512B-70/90-NZ	ST Micro	64K x 8	2.7-3.6V only	70, 90	Bulk Erase Flash	TSOP (8x14)	SST39VF512-90-4C-WH	Same package, pinout and software command, different sector size
							SST37VF512-90-3C-WH	If in-system programmability not used; Same package and pinout
M28F512-90-B	ST Micro	64K x 8	12V/ 5V	90	Bulk Erase Flash	PDIP	SST39SF512-90-4C-PG	Same pinout except Vpp pin, need software changes
M28F512-90-C	ST Micro	64K x 8	12V/ 5V	90	Bulk Erase Flash	PLCC	SST39SF512-90-4C-NH	Same pinout except Vpp pin, need software changes
M27C512-70-B	ST Micro	64K x 8	12V/ 5V	70	OTP	PDIP	SST27SF512-70-3C-PG	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)
M27C512-70-C	ST Micro	64K x 8	12V/ 5V	70	OTP	PLCC	SST27SF512-70-3C-NH	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)
W29EE512-70/90/12	Winbond	64K x 8	5.0V-only	70, 90, 120	Page Write Flash	PDIP	SST29EE512-70-4C-PH	100% drop-in replacement

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
							SST39SF512-70-4C-PH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W29EE512P-70/90/12	Winbond	64K x 8	5.0V-only	70, 90, 120	Page Write Flash	PLCC	SST29EE512-70-4C-NH	100% drop-in replacement
							SST39SF512-70-4C-NH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W29EE512T-70/90/12	Winbond	64K x 8	5.0V-only	70, 90, 120	Page Write Flash	TSOP (8x20)	SST29EE512-70-4C-EH	100% drop-in replacement
							SST39SF512-70-4C-WH	If 128 Bytes sectors not required, Same pinout, need layout with longer trace, need software changes, same software to read ID
W39L512P-70/90	Winbond	64K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	PLCC	SST39VF512-70/90-4C-NH	100% drop-in replacement
W39L512Q-70/90	Winbond	64K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	TSOP (8x14)	SST39VF512-70/90-4C-WH	100% drop-in replacement
W27E512-70/90/12/15	Winbond	64K x 8	5.0V-only	70, 90, 120, 150	MTP-like	PDIP	SST27SF512-70-3C-PG	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W27E512P-70/90/12/15	Winbond	64K x 8	5.0V-only	70, 90, 120, 150	MTP-like	PLCC	SST27SF512-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
Flash Memory or EPROM - 1 Mbit								
AM29F010-70/90/120-PC	AMD	128K x 8	5.0V-only	70, 90, 120	Uniform 16KB Sector	PDIP	SST39SF010-70/90-4C-PH	Same package, pinout and software command, different sector size
AM29F010-70/90/120-JC	AMD	128K x 8	5.0V-only	70, 90, 120	Uniform 16KB Sector	PLCC	SST39SF010-70/90-4C-NH	Same package, pinout and software command, different sector size
AM29F010-70/90/120-EC	AMD	128K x 8	5.0V-only	70, 90, 120	Uniform 16KB Sector	TSOP (8x20)	SST39SF010-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AM29LV010B-70/90-JC	AMD	128K x 8	2.7-3.6V only	70, 90	Uniform 16KB Sector	PLCC	SST39VF010-70/90-4C-NH	Same package, pinout and software command, different sector size
							SST37VF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout
AM29LV010B-70/90-EC	AMD	128K x 8	2.7-3.6V only	70, 90	Uniform 16KB Sector	TSOP (8x20)	SST39VF010-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST37VF010-70/90-3C-WH	If in-system programmability not used; Same pinout; need layout with longer trace (Refer Notes:#1 & 2)
AM29LV001B-70/90-JC	AMD	128K x 8	2.7-3.6V only	70, 90	Boot Block	PLCC	SST39VF010-70/90-4C-NH	Same package, pinout and software command, different sector size
AM29LV001B-70/90-EC	AMD	128K x 8	2.7-3.6V only	70, 90	Boot Block	TSOP (8x20)	SST39VF010-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AM28F010-70/90/120/150/200-PC	AMD	128K x 8	12V/ 5V	70, 90, 120, 150, 200	Bulk Erase Flash	PDIP	SST39SF010-70/90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
AM28F010-70/90/120/150/200-JC	AMD	128K x 8	12V/ 5V	70, 90, 120, 150, 200	Bulk Erase Flash	PLCC	SST39SF010-70/90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AM28F010-70/90/120/150/200-EC	AMD	128K x 8	12V/ 5V	70, 90, 120, 150, 200	Bulk Erase Flash	TSOP (8x20)	SST39SF010-70/90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes
							SST27SF010-70/90-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
AM27C010-70DC	AMD	128K x 8	12V/ 5V	70	UV EPROM	Ceramic DIP	SST27SF010-70-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-70PC	AMD	128K x 8	12V/ 5V	70	OTP	PDIP	SST27SF010-70-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-70JC	AMD	128K x 8	12V/ 5V	70	OTP	PLCC	SST27SF010-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-90/120/150/200/255DC	AMD	128K x 8	12V/ 5V	90, 120, 150, 200, 255	UV EPROM	Ceramic DIP	SST27SF010-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-90/120/150/200/255PC	AMD	128K x 8	12V/ 5V	90, 120, 150, 200, 255	OTP	PDIP	SST27SF010-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-90/120/150/200/255JC	AMD	128K x 8	12V/ 5V	90, 120, 150, 200, 255	OTP	PLCC	SST27SF010-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C010-55DC	AMD	128K x 8	12V/ 5V	55	UV EPROM	Ceramic DIP		No cross
AM27C010-55PC	AMD	128K x 8	12V/ 5V	55	OTP	PDIP		No cross
AM27C010-55JC	AMD	128K x 8	12V/ 5V	55	OTP	PLCC		No cross
AM27C010-70/90/120/150/200/255EC	AMD	128K x 8	12V/ 5V	70, 90, 120, 150, 200, 255	OTP	TSOP (8x20)	SST27SF010-70/90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT29C010A-90/12/15-PC	Atmel	128K x 8	5.0V-only	90, 120, 150	Page Write Flash	PDIP	SST29EE010-90/120-4C-PH	100% drop-in replacement
AT29C010A-90/12/15-JC	Atmel	128K x 8	5.0V-only	90, 120, 150	Page Write Flash	PLCC	SST29EE010-90/120-4C-NH	100% drop-in replacement
AT29C010A-90/12/15-TC	Atmel	128K x 8	5.0V-only	90, 120, 150	Page Write Flash	TSOP (8x20)	SST29EE010-90/120-4C-EH	100% drop-in replacement
AT29LV010A-15/20/25-PC	Atmel	128K x 8	3.0-3.6V only	150, 200, 250	Page Write Flash	PDIP	SST29LE010-150/200-4C-PH	100% drop-in replacement
AT29LV010A-15/20/25-JC	Atmel	128K x 8	3.0-3.6V only	150, 200, 250	Page Write Flash	PLCC	SST29LE010-150/200-4C-NH	100% drop-in replacement
AT29LV010A-15/20/25-TC	Atmel	128K x 8	3.0-3.6V only	150, 200, 250	Page Write Flash	TSOP (8x20)	SST29LE010-150/200-4C-EH	100% drop-in replacement
AT29BV010A-20/25/30-PC	Atmel	128K x 8	2.7-3.6V only	200, 250, 300	Page Write Flash	PDIP	SST29VE010-200/250-4C-PH	100% drop-in replacement
AT29BV010A-20/25/30-JC	Atmel	128K x 8	2.7-3.6V only	200, 250, 300	Page Write Flash	PLCC	SST29VE010-200/250-4C-NH	100% drop-in replacement
AT29BV010A-20/25/30-TC	Atmel	128K x 8	2.7-3.6V only	200, 250, 300	Page Write Flash	TSOP (8x20)	SST29VE010-200/250-4C-EH	100% drop-in replacement
AT49F010-70/90-PC	Atmel	128K x 8	5.0V-only	70, 90	Boot Block/ bulk erase	PDIP	SST39SF010-70/90-4C-PH	Same package, pinout and software command, different sector size
							SST27SF010-70/90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# & Vpp

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AT49F010-70/90-JC	Atmel	128K x 8	5.0V-only	70, 90	Boot Block/ bulk erase	PLCC	SST39SF010-70/90-4C-NH	Same package, pinout and software command, different sector size
							SST27SF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# & Vpp
AT49F010-70/90-VC	Atmel	128K x 8	5.0V-only	70, 90	Boot Block/ bulk erase	TSOP (8x14)	SST39SF010-70/90-4C-WH	Same package, pinout and software command, different sector size
							SST27SF010-70/90-3C-WH	If in-system programmability not used; Same package and pinout except PGM# & Vpp
AT49F010-70/90-TC	Atmel	128K x 8	5.0V-only	70, 90	Boot Block/ bulk erase	TSOP (8x20)	SST39SF010-70/90-4C-WH	Same package, pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST27SF010-70/90-3C-WH	If in-system programmability not used; Same package and pinout except PGM# & Vpp, need layout with longer trace (Refer Notes:#2)
AT49F001N(T)-70/90/12-PC	Atmel	128K x 8	5.0V-only	70, 90, 120	Boot Block	PDIP	SST39SF010-70/90-4C-PH	Same package, pinout and software command, different sector size
AT49F001N(T)-70/90/12-JC	Atmel	128K x 8	5.0V-only	70, 90, 120	Boot Block	PLCC	SST39SF010-70/90-4C-NH	Same package, pinout and software command, different sector size
AT49F001N(T)-70/90/12-VC	Atmel	128K x 8	5.0V-only	70, 90, 120	Boot Block	TSOP (8x14)	SST39SF010-70/90-4C-WH	Same package, pinout and software command, different sector size
AT49F001N(T)-70/90/12-TC	Atmel	128K x 8	5.0V-only	70, 90, 120	Boot Block	TSOP (8x20)	SST39SF010-70/90-4C-WH	Same package, pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AT49HLV/HBV010-70/90/12/15-PC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120, 150	Boot Block/ bulk erase	PDIP	SST37VF010-70/90-3C-PH	If in-system programmability not used; Same package and pinout
AT49HLV/HBV010-70/90/12/15-JC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120, 150	Boot Block/ bulk erase	PLCC	SST39VF010-70/90-4C-NH	Same package, pinout and software command, different sector size
							SST37VF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout
AT49HLV/HBV010-70/90/12/15-VC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120, 150	Boot Block/ bulk erase	TSOP (8x14)	SST39VF010-70/90-4C-WH	Same package, pinout and software command, different sector size
							SST37VF010-70/90-3C-WH	If in-system programmability not used; Same package and pinout
AT49HLV/HBV010-70/90/12/15-TC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120, 150	Boot Block/ bulk erase	TSOP (8x20)	SST39VF010-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST37VF010-70/90-3C-WH	If in-system programmability not used; Same pinout; need layout with longer trace (Refer Notes:#1 & 2)
AT49LV/BV001N(T)-70/90-PC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	PDIP	SST37VF010-70/90-4C-PH	If in-system programmability not used; Same package and pinout
AT49LV/BV001N(T)-70/90-JC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	PLCC	SST39VF010-70/90-4C-NH	Same package, pinout and software command, different sector size
AT49LV/BV001N(T)-70/90-VC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	TSOP (8x14)	SST39VF010-70/90-4C-WH	Same package, pinout and software command, different sector size
AT49LV/BV001N(T)-70/90-TC	Atmel	128K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	TSOP (8x20)	SST39VF010-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AT27C010L-70/90-DC	Atmel	128K x 8	12V/ 5V	70, 90	UV EPROM	Ceramic DIP	SST27SF010-70/90-3C-PH	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)
AT27C010L-70/90-LC	Atmel	128K x 8	12V/ 5V	70, 90	UV EPROM	Ceramic LCC	SST27SF010-70/90-3C-NH	100% drop-in replacement; Program/Erase requires externa programmer with support for SST (Refer Notes:#1)

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AT27C010L-70/90-PC	Atmel	128K x 8	12V/ 5V	70, 90	OTP	PDIP	SST27SF010-70/90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27C010L-70/90-JC	Atmel	128K x 8	12V/ 5V	70, 90	OTP	PLCC	SST27SF010-70/90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27C010L-70/90-TC	Atmel	128K x 8	12V/ 5V	70, 90	OTP	TSOP (8x20)	SST27SF010-70/90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27LV010A-70/90-JC	Atmel	128K x 8	12V/ 3V	70, 90	OTP	PLCC	SST37VF010-70/90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27LV010A-70/90-VC	Atmel	128K x 8	12V/ 3V	70, 90	OTP	TSOP (8x14)	SST37VF010-70/90-3C-WH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27LV010A-70/90-TC	Atmel	128K x 8	12V/ 3V	70, 90	OTP	TSOP (8x20)	SST37VF010-70/90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
P28F001BX-T/B-90	Intel	128K x 8	12V/ 5V	90	Boot Block Flash	PDIP	SST39SF010-90-4C-PH	Same pinout except Vpp & PWD#, need software changes
N28F001BX-T/B-90	Intel	128K x 8	12V/ 5V	90	Boot Block Flash	PLCC	SST39SF010-90-4C-NH	Same pinout except Vpp & PWD#, need software changes
E28F001BX-T/B-90	Intel	128K x 8	12V/ 5V	90	Boot Block Flash	TSOP (8x20)	SST39SF010-90-4C-WH	Same pinout except Vpp & PWD#, need layout with longer trace, need software changes
P28F010-90/120/150	Intel	128K x 8	12V/ 5V	90, 120, 150	Bulk Erase Flash	PDIP	SST39SF010-90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
N28F010-90/120/150	Intel	128K x 8	12V/ 5V	90, 120, 150	Bulk Erase Flash	PLCC	SST39SF010-90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
E28F010-90/120/150	Intel	128K x 8	12V/ 5V	90, 120, 150	Bulk Erase Flash	TSOP (8x20)	SST39SF010-90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes
							SST27SF010-70/90-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
M28F101-70/90-P	ST Micro	128K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PDIP	SST39SF010-70/90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
M28F101-70/90-K	ST Micro	128K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PLCC	SST39SF010-70/90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF010-70/90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
M28F101-70/90-N	ST Micro	128K x 8	12V/ 5V	70, 90	Bulk Erase Flash	TSOP (8x20)	SST39SF010-70/90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes
							SST27SF010-70/90-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
M27C1001-70 F1	ST Micro	128K x 8	12V/ 5V	70, 90	UV EPROM	Ceramic DIP	SST27SF010-70/90-3C-PH	100% Read compatible; Programming requires external programmer with SST algorithm

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
M27C1001-70 L1	ST Micro	128K x 8	12V/ 5V	70, 90	UV EPROM	Ceramic LCC	SST27SF010-70/90-3C-NH	100% Read compatible; Programming requires external programmer with SST algorithm
M27C1001-70 B1	ST Micro	128K x 8	12V/ 5V	70, 90	OTP	PDIP	SST27SF010-70/90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C1001-70 C1	ST Micro	128K x 8	12V/ 5V	70, 90	OTP	PLCC	SST27SF010-70/90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C1001-70 N1	ST Micro	128K x 8	12V/ 5V	70, 90	OTP	TSOP (8x20)	SST27SF010-70/90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W29EE011-90/150	Winbond	128K x 8	5.0V-only	90, 150	Page Write Flash	PDIP	SST29EE010-90/120-4C-PH	100% drop-in replacement
							SST39SF010-70/90-4C-PH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W29EE011P-90/150	Winbond	128K x 8	5.0V-only	90, 150	Page Write Flash	PLCC	SST29EE010-90/120-4C-NH	100% drop-in replacement
							SST39SF010-70/90-4C-NH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W39F010P-70/90	Winbond	128K x 8	5.0V-only	70, 90	Uniform 4KB Sector	PLCC	SST39SF010A-70/90-4C-NH	100% drop-in replacement
W39F010Q-70/90	Winbond	128K x 8	5.0V-only	70, 90	Uniform 4KB Sector	TSOP (8x14)	SST39SF010A-70/90-4C-NH	100% drop-in replacement
W39L010P-70/90	Winbond	128K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	PLCC	SST39VF010-70/90-4C-NH	100% drop-in replacement
W39L010Q-70/90	Winbond	128K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	TSOP (8x14)	SST39VF010-70/90-4C-WH	100% drop-in replacement
W27E010-70/90/12	Winbond	128K x 8	12V/ 5V	70, 90, 120	MTP-like	PDIP	SST27SF010-70/90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W27E010P-70/90/12	Winbond	128K x 8	12V/ 5V	70, 90, 120	MTP-like	PLCC	SST27SF010-70/90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
Flash Memory or EPROM - 2 Mbit								
AM29LV200B(B/T)-50R/55R/70/90/120-EC	AMD	128Kx16/256Kx8	2.7-3.6V-only	50, 55, 70, 90, 120	Boot Block	TSOP-48	SST39VF200A-70/90-4C-EK; SST39LF200A-55-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
AM29F002NT/B-70/90-PC	AMD	256K x 8	5.0V-only	70, 90	Boot Block Flash	PDIP	SST39SF020-70/90-4C-PH	Same pinout except RESET# pin, same package, software command, different sector size
AM29F002NT/B-70/90-JC	AMD	256K x 8	5.0V-only	70, 90	Boot Block Flash	PLCC	SST39SF020-70/90-4C-NH	Same pinout except RESET# pin, same package, software command, different sector size
AM29F002NT/B-70/90-EC	AMD	256K x 8	5.0V-only	70, 90	Boot Block Flash	TSOP (8x20)	SST39SF020-70/90-4C-WH	Same pinout except RESET# pin, need layout with longer trace, software command, different sector size
AM28F020-70/90-PC	AMD	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PDIP	SST39SF020-70/90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
AM28F020-70/90-JC	AMD	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PLCC	SST39SF020-70/90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
AM28F020-70/90-EC	AMD	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	TSOP (8x20)	SST39SF020-70/90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
							SST27SF020-90-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
AM27C020-70DC	AMD	256K x 8	12V/ 5V	70	UV EPROM	Ceramic DIP	SST27SF020-70-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-70PC	AMD	256K x 8	12V/ 5V	70	OTP	PDIP	SST27SF020-70-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-70JC	AMD	256K x 8	12V/ 5V	70	OTP	PLCC	SST27SF020-70-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-90/120/150/200DC	AMD	256K x 8	12V/ 5V	90, 120, 150, 200	UV EPROM	Ceramic DIP	SST27SF020-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-90/120/150/200PC	AMD	256K x 8	12V/ 5V	90, 120, 150, 200	OTP	PDIP	SST27SF020-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-90/120/150/200JC	AMD	256K x 8	12V/ 5V	90, 120, 150, 200	OTP	PLCC	SST27SF020-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AM27C020-55DC	AMD	256K x 8	12V/ 5V	55	UV EPROM	Ceramic DIP		No cross
AM27C020-55PC	AMD	256K x 8	12V/ 5V	55	OTP	PDIP		No cross
AM27C020-55JC	AMD	256K x 8	12V/ 5V	55	OTP	PLCC		No cross
AM27C020-70/90/120/150/200EC	AMD	256K x 8	12V/ 5V	70, 90, 120, 150, 200	OTP	TSOP (8x20)	SST27SF020-70/90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT29C020-12/15-PC	Atmel	256K x 8	5.0V-only	120, 150	Page Write Flash	PDIP	SST29EE020-120/150-4C-PH	Same package, pinout and software command, different sector size
AT29C020-12/15-JC	Atmel	256K x 8	5.0V-only	120, 150	Page Write Flash	PLCC	SST29EE020-120/150-4C-NH	Same package, pinout and software command, different sector size
AT29C020-12/15-TC	Atmel	256K x 8	5.0V-only	120, 150	Page Write Flash	TSOP (8x20)	SST29EE020-120/150-4C-EH	Same package, pinout and software command, different sector size
AT29LV020-20/25-PC	Atmel	256K x 8	3.0-3.6V only	200, 250	Page Write Flash	PDIP	SST29LE020-200/250-4C-PH	Same package, pinout and software command, different sector size
AT29LV020-20/25-JC	Atmel	256K x 8	3.0-3.6V only	200, 250	Page Write Flash	PLCC	SST29LE020-200/250-4C-NH	Same package, pinout and software command, different sector size
AT29LV020-20/25-TC	Atmel	256K x 8	3.0-3.6V only	200, 250	Page Write Flash	TSOP (8x20)	SST29LE020-200/250-4C-EH	Same package, pinout and software command, different sector size
AT29BV020-25/35-PC	Atmel	256K x 8	2.7-3.6V only	250, 350	Page Write Flash	PDIP	SST29VE020-200/250-4C-PH	Same package, pinout and software command, different sector size
AT29BV020-25/35-JC	Atmel	256K x 8	2.7-3.6V only	250, 350	Page Write Flash	PLCC	SST29VE020-200/250-4C-NH	Same package, pinout and software command, different sector size
AT29BV020-25/35-TC	Atmel	256K x 8	2.7-3.6V only	250, 350	Page Write Flash	TSOP (8x20)	SST29VE020-200/250-4C-EH	Same package, pinout and software command, different sector size
AT49F020-90/12/15-PC	Atmel	256K x 8	5.0V-only	90, 120, 150	Boot Block/ bulk erase	PDIP	SST39SF020-55-4C-PH	Same package, pinout and software command, different sector size
AT49F020-90/12/15-JC	Atmel	256K x 8	5.0V-only	90, 120, 150	Boot Block/ bulk erase	PLCC	SST39SF020-55-4C-NH	Same package, pinout and software command, different sector size
AT49F020-90/12/15-VC	Atmel	256K x 8	5.0V-only	90, 120, 150	Boot Block/ bulk erase	TSOP (8x14)	SST39SF020-55-4C-WH	Same package, pinout and software command, different sector size
AT49F020-90/12/15-TC	Atmel	256K x 8	5.0V-only	90, 120, 150	Boot Block/ bulk erase	TSOP (8x20)	SST39SF020-55-4C-WH	Same package, pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AT49LV/BV020-70/90/12-JC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120	Boot Block/ bulk erase	PLCC	SST39VF020-70/90-4C-NH	Same package, pinout and software command, different sector size
							SST37VF020-70/90-3C-NH	If in-system programmability not used; Same package and pinout
AT49LV/BV020-70/90/12-VC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120	Boot Block/ bulk erase	TSOP (8x14)	SST39VF020-70/90-4C-WH	Same package, pinout and software command, different sector size
							SST37VF020-70/90-3C-WH	If in-system programmability not used; Same package and pinout
AT49LV/BV020-70/90/12-TC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90, 120	Boot Block/ bulk erase	TSOP (8x20)	SST39VF020-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST37VF020-70/90-3C-WH	If in-system programmability not used; Same pinout; need layout with longer trace (Refer Notes:#1 & 2)
AT49LV/BV002N(T)-70/90-PC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	PDIP	SST39VF020-70/90-4C-PH	Same package, pinout and software command, different sector size
AT49LV/BV002N(T)-70/90-JC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	PLCC	SST39VF020-70/90-4C-NH	Same package, pinout and software command, different sector size
AT49LV/BV002N(T)-70/90-VC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	TSOP (8x14)	SST39VF020-70/90-4C-WH	Same package, pinout and software command, different sector size
AT49LV/BV002N(T)-70/90-TC	Atmel	256K x 8	3.0-3.6V only/ 2.7-3.6V only	70, 90	Boot Block	TSOP (8x20)	SST39VF020-70/90-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AT27C020-90-PC	Atmel	256K x 8	5.0V-only	90	OTP	PDIP	SST27SF020-90-4C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27C020-90-JC	Atmel	256K x 8	5.0V-only	90	OTP	PLCC	SST27SF020-90-4C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT27C020-90-TC	Atmel	256K x 8	5.0V-only	90	OTP	TSOP (8x20)	SST27SF020-90-4C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
AT49BV/LV2048-12/15/20TC	Atmel	128K x 16	3V	120, 150, 200	Bulk Erase Flash	TSOP (12 x 20)	SST39VF/LF200A-70/90-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
P28F020-90	Intel	256K x 8	12V/ 5V	90	Bulk Erase Flash	PDIP	SST39SF020-90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
N28F020-90	Intel	256K x 8	12V/ 5V	90	Bulk Erase Flash	PLCC	SST39SF020-90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
E28F020-90	Intel	256K x 8	12V/ 5V	90	Bulk Erase Flash	TSOP (8x20)	SST39SF020-90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes
							SST27SF020-90-3C-WH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
E28F002BC-T/B80/120	Intel	256K x 8	12V/ 5V	80, 120	Boot Block Flash	40-TSOP (10x20)		No direct SST cross
M29W200B(B/T)-55/70/90/120-N1	ST Micro	128Kx16/256Kx8	2.7-3.6V-only	55, 70, 90, 120	Boot Block	TSOP-48	SST39VF200A-70/90-4C-EK SST39LF200A-55-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M28F201-70/90-P	ST Micro	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PDIP	SST39SF020-70/90-4C-PH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-PH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
M28F201-70/90-K	ST Micro	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	PLCC	SST39SF020-70/90-4C-NH	Same pinout except Vpp pin, need software changes
							SST27SF020-90-3C-NH	If in-system programmability not used; Same package and pinout except PGM# vs WE# pin
M28F201-70/90-N	ST Micro	256K x 8	12V/ 5V	70, 90	Bulk Erase Flash	TSOP (8x20)	SST39SF020-70/90-4C-WH	Same pinout except Vpp pin, need layout with longer trace (Ref Notes:#2), need software changes
							SST27SF020-90-3C-WH	If in-system programmability not used; Same pinout except PGM# vs WE# pin, need layout with longer trace (Refer Notes:#2)
M27C2001-90 F1	ST Micro	256K x 8	12V/ 5V	90	UV EPROM	Ceramic DIP	SST27SF020-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C2001-90 L1	ST Micro	256K x 8	12V/ 5V	90	UV EPROM	Ceramic LCC	SST27SF020-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C2001-90 B1	ST Micro	256K x 8	12V/ 5V	90	OTP	PDIP	SST27SF020-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C2001-90 C1	ST Micro	256K x 8	12V/ 5V	90	OTP	PLCC	SST27SF020-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
M27C2001-90 N1	ST Micro	256K x 8	12V/ 5V	90	OTP	TSOP (8x20)	SST27SF020-90-3C-WH	Same pinout, need layout with longer trace; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W29C020-70/90	Winbond	256K x 8	5.0V-only	70, 90	Page Write Flash	PDIP	SST39SF020-70/90-4C-PH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W29C020-12	Winbond	256K x 8	5.0V-only	120	Page Write Flash	PDIP	SST29EE020-120-4C-PH	100% drop-in replacement
W29C020P-70/90	Winbond	256K x 8	5.0V-only	70, 90	Page Write Flash	PLCC	SST39SF020-70/90-4C-NH	If 128 Bytes sectors not required, Same package and pinout, need software changes, same software to read ID
W29C020P-12	Winbond	256K x 8	5.0V-only	120	Page Write Flash	PLCC	SST29EE020-120-4C-NH	100% drop-in replacement
W29C020T-70/90	Winbond	256K x 8	5.0V-only	70, 90	Page Write Flash	TSOP (8x20)	SST39SF020-70/90-4C-WH	If 128 Bytes sectors not required, Same pinout, need layout with longer trace, need software changes, same software to read ID
W29C020T-12	Winbond	256K x 8	5.0V-only	120	Page Write Flash	TSOP (8x20)	SST29EE020-120-4C-EH	100% drop-in replacement
W39L020P-70/90	Winbond	256K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	PLCC	SST39VF020-70/90-4C-NH	100% drop-in replacement
W39L020Q-70/90	Winbond	256K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	TSOP (8x14)	SST39VF020-70/90-4C-WH	100% drop-in replacement
W27E020-90	Winbond	256K x 8	12V/ 5V	90	MTP-like	PDIP	SST27SF020-90-3C-PH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
W27E020P-90	Winbond	256K x 8	12V/ 5V	90	MTP-like	PLCC	SST27SF020-90-3C-NH	100% drop-in replacement; Program/Erase requires external programmer with support for SST (Refer Notes:#1)
Flash Memory - 4 Mbit								
AM29LV400B(B/T)-50R/55R/70/90/120-EC	AMD	256Kx16/512Kx8	2.7-3.6V-only	50, 55, 70, 90, 120	Boot Block	TSOP-48	SST39VF400A-70/90-4C-EK; SST39LF400A-55-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
AM29LV400A(B/T)-50R/55R/70/90/120-WAC	AMD	256Kx16/512Kx8	2.7-3.6V-only	50, 55, 70, 90, 120	Boot Block	FBGA-48	SST39VF400A-70/90-4C-B3K; SST39LF400A-55-4C-B3K	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
AM29F040B-70/90/120-JC	AMD	512K x 8	5.0V-only	70, 90, 120	Uniform 64KB Sector	PLCC	SST39SF040-70-4C-NH	Same pinout and software command, different sector size

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AM29F040B-70/90/120-EC	AMD	512K x 8	5.0V-only	70, 90, 120	Uniform 64KB Sector	TSOP (8x20)	SST39SF040-70-4C-WH	Same pinout and software command, different secotr size, need layout with longer trace (Refer Note:#2)
AM29F040B-70/90/120-PC	AMD	512K x 8	5.0V-only	70, 90, 120	Uniform 64KB Sector	PDIP	SST39SF040-70-4C-PH	Same pinout and software command, different secotr size
AM29LV040B-90-JC	AMD	512K x 8	2.7-3.6V only	90	Uniform 64KB Sector	PLCC	SST39VF040-90-4C-NH	Same package, pinout and software command, different sector size
							SST37VF040-90-3C-NH	If in-system programmability not used; Same package and pinout
AM29LV040B-90-EC	AMD	512K x 8	2.7-3.6V only	90	Uniform 64KB Sector	TSOP (8x20)	SST39VF040-90-4C-WH	Same package, pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST37VF040-90-3C-WH	If in-system programmability not used; Same package and pinout; need layout with longer trace (Refer Notes:#1 & 2)
AM27C040	AMD	512K x 8	12V/5V	ALL	ALL	ALL		No cross
AT29C040A-12/15-PC	Atmel	512K x 8	5.0V-only	120, 150	Page Write Flash	PDIP	SST29SF040-70-4C-PH	Same package, pinout and software command, different SDP commands
AT29C040A-12/15-TC	Atmel	512K x 8	5.0V-only	120, 150	Page Write Flash	TSOP (8x20)	SST29SF040-70-4C-WH	Same package, pinout and software command, different SDP commands, need layout with longer trace (Refer Notes:#2)
AT29LV040A-20/25-TC	Atmel	512K x 8	3.0-3.6V only	200, 250	Page Write Flash	TSOP (8x20)	SST29VF040-70-4C-WH	Same package, pinout and software command, different SDP commands, need layout with longer trace (Refer Notes:#2)
AT29BV040A-25-TC	Atmel	512K x 8	2.7-3.6V only	250	Page Write Flash	TSOP (8x20)	SST29VF040-70-4C-WH	Same package, pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
AT49F040-90-PC	Atmel	512K x 8	5.0V-only	90	Boot Block/ bulk erase	PDIP	SST39SF040-70-4C-PH	100% drop in replacement, unless customer uses the competitor's boot block feature
AT49F040-90-JC	Atmel	512K x 8	5.0V-only	90	Boot Block/ bulk erase	PLCC	SST39SF040-45-4C-NH	100% drop in replacement, unless customer uses the competitor's boot block feature
AT49F040-90-VC	Atmel	512K x 8	5.0V-only	90	Boot Block/ bulk erase	TSOP (8x20)	SST39SF040-45-4C-WH	100% drop in replacement, unless customer uses the competitor's boot block feature
AT49LV/BV040(T)-70/90/12-JC	Atmel	512K x 8	3.0-3.6V only/ 2.7-3.6V only	120	Boot Block/ bulk erase	PLCC	SST39VF040-70-4C-NH	100% drop in replacement
							SST37VF040-90-3C-NH	If in-system programmability not used; Same package and pinout
AT49LV/BV040(T)-70/90/12-VC	Atmel	512K x 8	3.0-3.6V only/ 2.7-3.6V only	120	Boot Block/ bulk erase	TSOP (8x14)	SST39VF040-70-4C-WH	100% drop in replacement, unless customer uses the competitor's boot block feature
AT49LV/BV040(T)-70/90/12-TC	Atmel	512K x 8	3.0-3.6V only/ 2.7-3.6V only	120	Boot Block/ bulk erase	TSOP (8x20)	SST39VF040-70-4C-WH	Same pinout and software command, different sector size, need layout with longer trace (Refer Notes:#2)
							SST37VF040-90-3C-WH	If in-system programmability not used; Same pinout; need layout with longer trace (Refer Notes:#1 & 2)
AT49LV/BV4096A-70/90/12/15TC	Atmel	512Kx8/256Kx16	2.7V	70, 90, 120, 150	Boot Block	TSOP (8x20)	SST39VF400A-70-4C-EK	Same package, same software command, no RESET# and BYTE# pins, different sector size
TE28F400CE-(T/B)-120	Intel	256Kx16/512Kx8	12V/2.7V	120	SmartVoltage Boot Block	TSOP-48	SST39VF400A-90-4I-EK	Same pinouts except Byte# vs. NC pins, RP#, WP# vs. NC, different sector sizes and software command
E28F400CV-(T/B)-60/80	Intel	256Kx16/512Kx8	12V/3.0V	60, 80	SmartVoltage Boot Block	TSOP-48	SST39VF400A-70/90-4C-EK	Same pinouts except Byte# vs. NC pins, RP#, WP# vs. NC, different sector sizes and software command
TE28F400CV-(T/B)-80	Intel	256Kx16/512Kx8	12V/3.0V	80	SmartVoltage Boot Block	TSOP-48	SST39VF400A-70/90-4C-EK	Same pinouts except Byte# vs. NC pins, RP#, WP# vs. NC, different sector sizes and software command

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
TE28F400B3-(T/B)-110	Intel	256Kx16	12V/3.0V	110	Smart3 Adv Boot Block	TSOP-48	SST39VF400A-90-4C-EK	Same pinouts except RP#, WP#, Vpp vs. NC, different sector sizes and software command
M29W400A(B/T)-55/70/90/120-N1	ST Micro	256Kx16/512Kx8	2.7-3.6V-only	55, 70, 90, 120	Boot Block	TSOP-48	SST39VF400A-70/90-4C-EK SST39LF400A-55-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29W400A(B/T)-55/70/90/120-ZA1	ST Micro	256Kx16/512Kx8	2.7-3.6V-only	55, 70, 90, 120	Boot Block	FBGA-48	SST39VF400A-70/90-4C-B3K SST39LF400A-55-4C-B3K	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29F040B-45/70-N	ST Micro	512K x 8	5.0V-only	45, 70	Uniform 64KB Sector	TSOP (8x20)	SST39SF040-45/70-4C-WH	Same package and pinout, different sector size, need layout with longer trace (Refer Note: #2)
M29F040B-55/70/K	ST Micro	512K x 8	5.0V-only	55, 70	Uniform 64KB Sector	PLCC-32	SST39SF040-45-4C-NH	Same package and pinout, different sector size.
M29F040B-70-P	ST Micro	512K x 8	5.0V-only	70	Uniform 64KB Sector	PDIP-32	SST39SF040-70-4C-PH	Same package and pinout, different sector size.
M28F411/421-120/150-N	ST Micro	512K x 8	12V/ 5V	120, 150	Boot Block Flash	TSOP (8x20)	SST39SF040-70-4C-WH	Same package and pinout, need software changes, ST ID check routine can read SST ID; add SST driver
M28V411/421-200-N	ST Micro	512K x 8	12V/ 3V	200	Boot Block Flash	TSOP (8x20)	SST39VF040-70-4C-WH	Same package and pinout, need software changes, ST ID check routine can read SST ID; add SST driver
W39L040P-70/90	Winbond	512K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	PLCC	SST39VF040-70/90-4C-NH	100% drop-in replacement
W39L040Q-70/90	Winbond	512K x 8	2.7-3.6V only	70, 90	Uniform 4KB Sector	TSOP (8x14)	SST39VF040-70/90-4C-WH	100% drop-in replacement
Flash Memory - 8 Mbit								
AM29LV800B-(T/B)70R/80/90/120-EC	AMD	512Kx16/1Mx8	2.7-3.6V-only	70, 80, 90, 120	Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts and software command, Byte# vs. NC pins, Reset# vs. NC, different sector sizes
AM29LV800B-(T/B)70R/80/90/120-WBC	AMD	512Kx16/1Mx8	2.7-3.6V-only	70, 80, 90, 120	Boot Block	FBGA-48	SST39VF800A-70/90-4C-B3K	Same pinouts and software command, Byte# vs. NC pins, Reset# vs. NC, different sector sizes
AM29LV008B-70R/80/90/120-EC	AMD	1Mx8	2.7-3.6V-only	70, 80, 90, 120	Uniform sector	TSOP-40	SST39VF080-70/90-4C-EI	Same software command, pinouts except Reset#, RDY/BSY vs. NC, different sector size
AM29LV081B-70R/90/120-EC	AMD	1Mx8	2.7-3.6V-only	70, 90, 120	Uniform sector	TSOP-40	SST39VF080-70/90-4C-EI	Same software command, pinouts except Reset#, RDY/BSY vs. NC, different sector size
AT49BV8192A(T)-12/15/20TC	Atmel	512Kx16/1Mx8	2.7-3.6V-only	120,150,200	Boot Block	TSOP-48	SST39VF800A-90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, different sector sizes
AT49BV8192(T)-12/15/20TC	Atmel	512Kx16	2.7-3.6V-only	120,150,200	Boot Block	TSOP-48	SST39VF800A-90-4C-EK	Same software command, pinouts except NC vs. Vddq, Reset# vs. NC, different sector sizes
AT49BV8192A(T)-12/15/20CC	Atmel	512Kx16/1Mx8	2.7-3.6V-only	120,150,200	Boot Block	CBGA-48		No direct SST cross
AT49BV008A(T)-12/15/20TC	Atmel	1Mx8	2.7-3.6V-only	120,150,200	Boot Block	TSOP-40	SST39VF080-90-4C-EI	Same software command, pinouts except Reset#, RDY/BSY vs. NC, 5V Vcc vs. 3V Vdd on SST, different sector size
AT49BV/LV008-11/12/15TC	Atmel	1Mx8	2.7-3.6V-only	110,120,150	Boot Block	TSOP-40	SST39VF080-90-4C-EI	Same software command, pinouts except Reset#, RDY/BSY vs. NC, different sector size
AT49BV/LV080(T)-12/15/20TC	Atmel	1Mx8	2.7-3.6V-only	120,150,200	Boot block/ bulk erase	TSOP-40	SST39VF080-90-4C-EI	Same software command, different pinout and sector size
MBM29LV800(T/B)A-70-PFTN	Fujitsu	512Kx16/1Mx8	2.7-3.6V-only	70	Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts and software command, Byte# vs. Vddq pins, Reset# vs. NC, different sector sizes
MBM29LV800(T/B)A-70-PBT	Fujitsu	512Kx16/1Mx8	2.7-3.6V-only	70	Boot Block	FBGA-48	SST39VF800A-70/90-4C-B3K	Same pinouts and software command, Byte# vs. Vddq pins, Reset# vs. NC, different sector sizes

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
MBM29LV080A-70-PFTN	Fujitsu	1Mx8	2.7-3.6V-only	70	Uniform sector	TSOP-40	SST39VF080-70/90-4C-EI	Same pinouts and software command, Reset#, RDY/BSY vs. NC, different sector size
MBM29LV008(T/B)A-70-PTN	Fujitsu	1Mx8	2.7-3.6V-only	70	Boot Block	TSOP-40	SST39VF080-70/90-4C-EI	Same pinouts and software command, Reset#, RDY/BSY vs. NC, different sector size
E28F800BE-(T/B)-70/90/120	Intel	512Kx16/1Mx8	12V/2.7V	70, 90, 120	SmartVoltage Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts , Byte# vs. NC pins, RP#, WP# vs. NC, different sector sizes and software command
E28F800BV-(T/B)-70/90/120	Intel	512Kx16/1Mx8	12V/3.0V	70, 90, 120	SmartVoltage Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts , Byte# vs. Vddq pins, RP#, WP# vs. NC, different sector sizes and software command
E28F800CE-(T/B)-70/90/120	Intel	512Kx16/1Mx8	12V/2.7V	70, 90, 120	SmartVoltage Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts except Byte# vs. Vddq pins, RP#, WP# vs. NC, different sector sizes and software command
E28F800CV-(T/B)-70/90/120	Intel	512Kx16/1Mx8	12V/3.0V	70, 90, 120	SmartVoltage Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts except Byte# vs. Vddq pins, RP#, WP# vs. NC, different sector sizes and software command
TE28F800B3-(T/B)-90/110	Intel	512Kx16	12V/3.0V	90, 110	Smart3 Adv Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same pinouts , Vccq, Vpp, RP#, WP# vs. NC, different sector sizes and software command
TE28F800C3TA90/110	Intel	512K x 16	12V/3V	90, 110	3V Advanced+ Boot Block	TSOP-48	SST39VF800A-90-4I-EK	Same pinouts , VccQ, RP#, WP# vs. NC, different sector sizes and software command
LF28F800SGE-70	Sharp	512Kx16	12/5/3.3V Vpp, 5/3.3/2.7V Vcc	70	Smart Voltage	TSOP-48	SST39VF800A-70-4C-EK	Same pinouts except NC vs. Vddq pins, RP#, WP#, RY/BY vs. NC, different sector sizes and software command
LF28F800BGE-85	Sharp	512Kx16	12/5/3.3V Vpp, 5/3.3/2.7V Vcc	85	Boot Block	TSOP-48	SST39VF800A-70-4C-EK	Same pinouts except NC vs. Vddq pins, RP#, WP#, RY/BY vs. NC, different sector sizes and software command
LF28F800BVE-85	Sharp	512Kx16/1Mx8	12/5/3.3V Vpp, 5/3.3/2.7V Vcc	85	Boot Block	TSOP-48	SST39VF800A-70-4C-EK	Same pinouts except Byte# vs. Vddq pins, RP#, WP#, RY/BY vs. NC, different sector sizes and software command
LF28F800BVHE-TTL90	Sharp	512Kx16/1Mx8	12/3V Vpp 3 Vcc	90	Smart 3 Voltage	TSOP-48	SST39VF800A-90-4C-EK	Same pinouts except Byte# vs. Vddq pins, RP#, WP#, RY/BY vs. NC, different sector sizes and software command
M29W800A(B/T)-80/90/100/120-N1	ST Micro	512Kx16/1Mx8	2.7-3.6V-only	80, 90, 100, 120	Boot Block	TSOP-48	SST39VF800A-70/90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29W800A(B/T)-80/90/100/120-ZA1	ST Micro	512Kx16/1Mx8	2.7-3.6V-only	80, 90, 100, 120	Boot Block	FBGA-48	SST39VF800A-70/90-4C-B3K	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29W008A(B/T)-80/90/100/120-N1	ST Micro	1Mx8	2.7-3.6V-only	80, 90, 100, 120	Boot block	TSOP-40	SST39VF080-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
Flash Memory - 16 Mbit								
AM29LV160D-(T/B)-70R/80/90/120-EC	AMD	1Mx16/2Mx8	2.7-3.6V-only	70, 80, 90, 120	Boot Block	TSOP-48	SST39VF160-70/90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
AM29LV160D-(T/B)70R/80/90/120-WCC	AMD	1Mx16/2Mx8	2.7-3.6V-only	70, 80, 90, 120	Boot Block	FBGA-48	SST39VF160-70/90-4C-BK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
AM29LV017B-70R/80/90/120-EC	AMD	2Mx8	2.7-3.6V-only	70, 80, 90, 120	Uniform sector	TSOP-40	SST39VF016-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
AM29LV116B-70R/80/90/120-EC	AMD	2Mx8	2.7-3.6V-only	70, 80, 90, 120	Boot block	TSOP-40	SST39VF016-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
AT49BV1604-90/12TC	Atmel	1Mx16	2.7-3.6V-only	90, 120	Boot Block	TSOP-48	SST39VF160-90-4C-EK	Same software command, pinout except A19, which is pin 15 vs. pin 9 on SST; Reset# vs. NC, different sector sizes
AT49BV1614-90/12TC	Atmel	1Mx16/2Mx8	2.7-3.6V-only	90, 120	Boot Block	TSOP-48	SST39VF160-90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
AT49BV1604-90/12CC	Atmel	1Mx16	2.7-3.6V-only	90, 120	Boot Block	CBGA-48		No direct SST cross
AT49F1604-70CC	Atmel	1Mx16	5V-only	70	Boot Block	CBGA-48		No direct SST cross
MBM29LV160-(T/B)E-70/90/12-PFTN	Fujitsu	1Mx16/2Mx8	2.7-3.6V-only	70, 90, 120	Boot Block	TSOP-48	SST39VF160-70/90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
MBM29LV160-(T/B)-80/90/12-PBT	Fujitsu	1Mx16/2Mx8	2.7-3.6V-only	80, 90, 120	Boot Block	FBGA-48	SST39VF160-70/90-4C-BK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
MBM29LV017-80/90/12-PTN	Fujitsu	2Mx8	2.7-3.6V-only	80, 90, 120	Uniform sector	TSOP-40	SST39VF016-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
MBM29LV016-(T/B)-80/90/12-PTN	Fujitsu	2Mx8	2.7-3.6V-only	80, 90, 120	Uniform sector	TSOP-40	SST39VF016-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
TE28F160B3(T/B)-90/110	Intel	1Mx16	Smart-voltage 2.7-3.6V	90, 110	Smart3 Adv Boot Block	TSOP-48	SST39VF160-90-4I-EK	Same pinouts except A19, which is pin 15 vs. pin 9 on SST; RP#, WP#, Vccq, Vpp vs. NC, different software command and sector sizes
TE28F160C3(T/B)A/C-70/90/100	Intel	1Mx16	12V/2.7-3.6V	70, 90, 100	3V Advanced+ Boot Block	TSOP-48	SST39VF160-70-4I-EK	Same package, no WP# and RP# pins, different software command, different sector size
LH28F160BJE-TTL70	Sharp	1Mx16/2Mx8	3V	70	Boot Block	TSOP-48	SST39VF160-70-4C-EK	Same package, no RP#, Vccw, WP#, RY/BY# and Byte# pins, different sector size, different software command
LH28F160BVE-TTL90	Sharp	1Mx16/2Mx8	3V	90	Boot Block	TSOP-48	SST39VF160-90-4C-EK	Same package, no RP#, Vccw, WP#, RY/BY# and Byte# pins, different sector size, different software command
LH28F160BJHE-TTL90	Sharp	1Mx16/2Mx8	3V	90	Boot Block	TSOP-48	SST39VF160-90-4I-EK	Same package, no RP#, Vccw, WP#, RY/BY# and Byte# pins, different sector size, different software command
M29W160B(T/B)-70/90/120-N1	ST Micro	1Mx16/2Mx8	2.7-3.6V-only	70, 90, 120	Boot Block	TSOP-48	SST39VF160-70/90-4C-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29W160B(T/B)-70/90/120-N6	ST Micro	1Mx16/2Mx8	2.7-3.6V-only	70, 90, 120	Boot Block	TSOP-48	SST39VF160-70/90-4I-EK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29W160B(T/B)-70/90/120-ZA1	ST Micro	1Mx16/2Mx8	2.7-3.6V-only	70, 90, 120	Boot Block	FBGA-48	SST39VF160-70/90-4C-BK	Same software command, pinouts except Byte# vs. NC pins, Reset# vs. NC, RDY/BSY vs. NC, different sector sizes
M29LV116B(T/B)-70/90/120-N1	ST Micro	2MX8	2.7-3.6V-only	70, 90, 120	Boot block	TSOP-40	SST39VF016-70/90-4C-EI	Same software command, pinouts except Reset# vs. NC, RDY/BSY vs. NC, different sector size
CSF (Concurrent SuperFlash)								
AMD29DL163DT70/90EI	AMD	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Top Boot Block	TSOP	SST36VF1602-70/90-4I-EK	AMD has erase/program suspend/resume, Electronic S/N, Boot Block in smaller Bank. Different sector sizes. Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block.
AMD29DL163DB70/90EI	AMD	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Bottom Boot Block	TSOP	SST36VF1601-70/90-4I-EK	
AMD29DL163DT70/90WCI	AMD	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Top Boot Block	BGA	SST36VF1602-70/90-4I-BK	
AMD29DL163DB70/90WCI	AMD	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Bottom Boot Block	BGA	SST36VF1601-70/90-4I-BK	
MBM29DL163TE70/90TN	Fujitsu	2Mx8 / 1Mx16	3.0V-3.6V only	70/90	Top Boot Block	TSOP	SST36VF1602-70/90-4I-EK	
MBM29DL163BE70/90TN	Fujitsu	2Mx8 / 1Mx16	3.0V-3.6V only	70/90	Bottom Boot Block	TSOP	SST36VF1601-70/90-4I-EK	Fujitsu has erase/program suspend/resume, Electronic S/N, Boot Block in smaller Bank. Different sector sizes. Same

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
MBM29DL163TE70/90PBT	Fujitsu	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Top Boot Block	BGA	SST36VF1602-70/90-4I-BK	pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block.
MBM29DL163BE70/90PBT	Fujitsu	2Mx8 / 1Mx16	2.7V-3.3V only	70/90	Bottom Boot Block	BGA	SST36VF1601-70/90-4I-BK	
AT49LV1614T-90TC	Atmel	2Mx8 / 1Mx16	3.0V-3.6V only	90	Top Boot Block	TSOP	SST36VF1602-90-4C-EK	Atmel has erase/program suspend/resume, Electronic S/N, Boot Block in smaller Bank. Different sector sizes. Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block.
AT49LV1614-90TC	Atmel	2Mx8 / 1Mx16	3.0V-3.6V only	90	Bottom Boot Block	TSOP	SST36VF1601-90-4C-EK	
AT49BV1614T-11CI	Atmel	2Mx8 / 1Mx16	2.7V-3.3V only	110	Top Boot Block	BGA	SST36VF1602-90-4I-BK	
AT49BV1614-11CI	Atmel	2Mx8 / 1Mx16	2.7V-3.3V only	110	Bottom Boot Block	BGA	SST36VF1601-90-4I-BK	
AM29DL322DT70/90/120REI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Top Boot Block	TSOP	SST36VF3202-55-5I-EK	SST only supports x16
AM29DL322DB70/90/120REI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	TSOP	SST36VF3201-55-5I-EK	SST only supports x16
AM29DL323DT70/90/120REI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Top Boot Block	TSOP	SST36VF3203-55-5I-EK	SST only supports x16
AM29DL323DB70/90/120REI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	TSOP	SST36VF3204-55-5I-EK	SST only supports x16
AM29DL323DB70/90/120REI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	TSOP	SST36VF3207-55-5I-EK	SST only supports x16
AM29DL322DT70/90/120RWDI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Top Boot Block	FBGA	SST36VF3202-55-5I-B3K	SST only supports x16
AM29DL322DB70/90/120RWDI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	FBGA	SST36VF3201-55-5I-B3K	SST only supports x16
AM29DL323DT70/90/120RWDI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Top Boot Block	FBGA	SST36VF3203-55-5I-B3K	SST only supports x16
AM29DL323DB70/90/120RWDI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	FBGA	SST36VF3204-55-5I-B3K	SST only supports x16
AM29DL323DB70/90/120RWDI	AMD	4Mx8 / 2Mx16	2.7-3.6V, 3.0-3.6V	70/90/120	Bottom Boot Block	FBGA	SST36VF3207-55-5I-B3K	SST only supports x16
AM29DS323DT/B110/120WMI	AMD	4Mx8 / 2Mx16	1.8-2.2V	110/120	Top/Bottom Boot Block	FBGA	SST36WF3203-55-5E-B3K	AMD has erase/program suspend/resume, Electronic S/N, Boot Block in smaller Bank. Different sector sizes. AMD has a Top/Bottom boot block and only offers Industrial temp range. SST only supports x16
AT49BV3214T-90CI	Atmel	2Mx16 / 4Mx8	2.65-3.3V	90	Top/Bottom Boot Block	CBGA	SST36VF3201/2-55-5I-BK	SST only supports x16
AT49BV3214T-90TI	Atmel	2Mx16 / 4Mx8	2.65-3.3V	90	Top/Bottom Boot Block	TSOP	SST36VF3201/2-55-5I-EK	SST only supports x16
AT49BV3218xT-85/90/11CI	Atmel	2Mx16 / 4Mx8	2.65-3.3V	85/90/110	Top/Bottom Boot Block	CBGA	SST36VF3201/2-55-5I-BK	SST only supports x16
AT49BV3218x-85/90/11TI	Atmel	2Mx16 / 4Mx8	2.65-3.3V	85/90/110	Top/Bottom Boot Block	TSOP	SST36VF3201/2-55-5I-EK	SST only supports x16
M59DR032A/b100/120ZB1/6	ST	2Mx16	1.65-2.2V	100	Top/Bottom Boot Block	TFBGA	SST36WF3203-55-5C/I-B3K	ST's pin layout does not match.
MBM29DL322TE90TN	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Top Boot Block	TSOP	SST36VF3202-55-5E/I-BK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block

Competitor Part Number	Vendor	Organized as x8/ x16	Vpp/Vcc Range	Speed (ns)	Description	Package	Equivalent SST Part#	Comments
MBM29DL322TE90PBT	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Top Boot Block	FBGA	SST36VF3202-55-5E/I-EK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL322BE90TN	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	TSOP	SST36VF3201-55-5E/I-BK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL322BE90PBT	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	FBGA	SST36VF3201-55-5E/I-EK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL323TE90TN	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Top Boot Block	TSOP	SST36VF3204-55-5E/I-BK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL323TE90PBT	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Top Boot Block	FBGA	SST36VF3204-55-5E/I-EK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL323BE90TN	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	TSOP	SST36VF3203-55-5E/I-BK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL323BE90PBT	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	FBGA	SST36VF3203-55-5E/I-EK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL324BE90TN	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	TSOP	SST36VF3207-55-5E/I-BK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
MBM29DL324BE90PBT	Fujitsu	4Mx8 / 2Mx16	2.7-3.6V	90	Bottom Boot Block	FBGA	SST36VF3207-55-5E/I-EK	Same pin out and software command. SST only supports x16. SST has 2K Word 32K overlay block
AM29DL640D90/120WHI	AMD	8Mx8/4Mx16	2.7-3.6V	90/120	Top/Bottom Boot Block	FBGA	SST36VF6401/2-55-5I-B3K	AMD top and bottom boot block in same device. SST only supports x16
AM29DL640D90/120EI	AMD	8Mx8/4Mx16	2.7-3.6V	90/120	Top/Bottom Boot Block	TSOP	SST36VF6401/2-55-5I-EK	AMD's top and bottom boot block in same device. SST only supports x16
MBM29DL640E80/90/12/PBT	Fujitsu	8Mx8/4Mx16	2.7-3.6V	80/90/120	Top/Bottom Boot Block	FBGA	SST36VF6401/2-55-5E/I-B3K	SST only supports x16
MBM29DL640E80/90/12/TN/TR	Fujitsu	8Mx8/4Mx16	2.7-3.6V	80/90/120	Top/Bottom Boot Block	TSOP	SST36VF6401/2-55-5E/I-EK	SST only supports x16

Notes:

1. For MTP devices, refer SST website -- www.ssti.com to verify external programmer support.
2. 8x14 TSOP devices can substitute 8x20 devices by increasing the trace lengths on system layout (refer app note in databook)
3. New products samples availablity: refer product availability guide.

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Description	Package	Equivalent SST Part #	Comments
Serial Flash								
LE25FV101T	Sanyo	128Kx8	3.0-3.6V	10 MHz	Serial Flash	8-SOIC	SST45LF010-10-4C-SA	Drop-in compatible. See comparison table for detail description.
W45B010	Winbond	128Kx8	3.0-3.6V	10 MHz	Serial Flash	8-SOIC	SST45LF010-10-4C-SA	Drop-in compatible.
M25P05-V-MN-6-T	ST	64Kx8	2.7-3.6V	20 MHz	SPI Serial Flash	8-SOIC	SST25VF512-20-4C-SA	Same pinout. Page programming vs. SST AAI Programming. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
M25P05-AV-MN-6-T	ST	64Kx8	2.7-3.6V	25MHz	SPI Serial Flash	8-SOIC	SST25VF512-20-4C-SA	Enhanced version of the M25P05, include larger page size, shorter programming time and higher clock frequency w/ extra dummy first byte read.
M25P10-V-MN-6-T	ST	128Kx8	2.7-3.6V	20 MHz	SPI Serial Flash	8-SOIC	SST25VF010-20-4C-SA	Same pinout. Page programming vs. SST AAI Programming. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
M25P10-AV-MN-6-T	ST	128Kx8	2.7-3.6V	25MHz	SPI Serial Flash	8-SOIC	SST25VF010-20-4C-SA	Enhanced version of the M25P10, include larger page size, shorter programming time and higher clock frequency w/ extra dummy first byte read.
M25P02-V-MN-6-T	ST	256KX8	2.7-3.6V	25MHz	SPI Serial Flash	8-SOIC	SST25VF020-20-4C-SA	Same pinout. Page programming vs. SST AAI Mode. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
M25P04-V-MN-6-T	ST	512Kx8	2.7-3.6V	25MHz	SPI Serial Flash	8-SOIC	SST25VF040-20-4C-QA	Same pinout. Page programming vs. SST AAI Programming. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
M25P08-V-MN-6-T	ST	1024Kx8	2.7-3.6V	25MHz	SPI Serial Flash	8-SOIC (200mil)	SST25VF080-20-4C-SA	Same pinout. Wider package. Page programming vs. SST AAI Mode. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
AT25F512N-10SI-2.7	Atmel	128Kx8	2.7-3.6V	20 MHz	SPI Serial Flash	8-SOIC	SST25VF512-20-4C-SA	Same pinout. Page programming vs. SST AAI Programming. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.
AT25F1024N-10SI-2.7	Atmel	128Kx8	2.7-3.6V	20 MHz	SPI Serial Flash	8-SOIC	SST25VF010-20-4C-SA	Same pinout. Page programming vs. SST AAI Programming. No 4KByte sector size. Default at power up is not write protected. See comparison table for detail description.

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Description	Package	Equivalent SST Part #	Comments
AT45DBXXXX	Atmel	1Mbit - 32Mbit	2.5V-3.6V 2.7-3.6V 5.0V-tolerant inputs	15-20 MHz	DataFlash (SPI Interface)	8-SOIC 28-SOIC 32-PLCC 28-TSOP 14-Ball CBGA	SST25VFXXX-20-4C-SA(QA)	Different pinout. Internal RAM buffers. Page programming vs. SST AAI Programming. Targeting same applications as SST's Serial Flash Family that does not utilize the internal RAM feature. See comparison table for detail description.

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Description	Package	Equivalent SST Part #	Comments
Firmware Hub/ LPC Flash								
82802AB	Intel	512Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF00xA-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
82802AC	Intel	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF008A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
82802AC	Intel	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	40-TSOP	SST49LF008A-33-4C-WH/EI	SST offers 32-TSOP (WH), and 40-TSOP (EI). Hardware drop-in compatible to 40-TSOP package. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
M50FW002	ST	256Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF002A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support software Read-Lock and multibyte read.
M50FW040	ST	512Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF004A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
M50FW040	ST	512Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	40-TSOP	SST49LF004A-33-4C-WH	SST offers 32-TSOP. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
M50FW080	ST	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF008A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock, qual-byte programming in A/A Mux mode and RNG.
M50FW080	ST	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	40-TSOP	SST49LF008A-33-4C-WH/EI	SST offers 32-TSOP (WH), and 40-TSOP (EI). Hardware drop-in compatible to 40-TSOP package. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. Supports qual-byte programming.
M50LPW002	ST	256Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF020A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and multibyte read in A/A Mux Mode.
M50LPW040	ST	512Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF040-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and qual-byte programming in A/A Mux mode.
M50LPW040	ST	512Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	40-TSOP	SST49LF040-33-4C-WH	SST offers 32-TSOP. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and qual-byte programming in A/A Mux mode.

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Description	Package	Equivalent SST Part #	Comments
M50LPW080	ST	1024Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF080A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and qual-byte programming in A/A Mux mode.
M50LPW080	ST	1024Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	40-TSOP	SST49LF080A-33-4C-WH	SST offers 32-TSOP. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and qual-byte programming in A/A Mux mode.
W49V002FA	Winbond	256Kx8	3.3V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF002A-33-4C-NH	Drop-in compatible
W49V002FA	Winbond	256Kx8	3.3V	33 MHz	FWH Protocol Interface	32-TSOP	SST49LF002A-33-4C-WH	Drop-in compatible
W39V040FA	Winbond	512Kx8	3.3V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF004A-33-4C-NH	Drop-in compatible
W39V040FA	Winbond	512Kx8	3.3V	33 MHz	FWH Protocol Interface	32-TSOP	SST49LF004A-33-4C-WH	Drop-in compatible
W49V002A	Winbond	256Kx8	3.3V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF020A-33-4C-NH	Drop-in compatible
W49V002A	Winbond	256Kx8	3.3V	33 MHz	LPC Protocol Interface	32-TSOP	SST49LF020A-33-4C-WH	Drop-in compatible
W39V004A	Winbond	512Kx8	3.3V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF040-33-4C-NH	Drop-in compatible
W39V004A	Winbond	512Kx8	3.3V	33 MHz	LPC Protocol Interface	32-TSOP	SST49LF040-33-4C-WH	Drop-in compatible
AT49LW040-33JC	Atmel	512Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF004A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
AT49LW040-33TC	Atmel	512Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	40-TSOP	SST49LF004A-33-4C-WH	SST offers 32-TSOP. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
AT49LW080-33JC	Atmel	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	32-PLCC	SST49LF008A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
AT49LW080-33TC	Atmel	1024Kx8	3.0-3.6V	33 MHz	FWH Protocol Interface	40-TSOP	SST49LF008A-33-4C-WH/EI	SST offers 32-TSOP (WH), and 40-TSOP (EI). Hardware drop-in compatible to 40-TSOP package. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support sofware Read-Lock and RNG.
AT49LL020-33JC	Atmel	256Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF020A-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set. SST does not support register based locking in LPC Mode and multibyte read in A/A Mux Mode.

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Description	Package	Equivalent SST Part #	Comments
AT49LL040-33JC	Atmel	512Kx8	3.0-3.6V	33 MHz	LPC Protocol Interface	32-PLCC	SST49LF040-33-4C-NH	Hardware drop-in compatible. 2-cycle software command set vs. SST 4/6-cycle SDP software command set.
PM49FL002T-33JC	PMC	256Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-PLCC	SST49LF002A or SST49LF020A	Drop-in compatible
PM49FL002T-33JV	PMC	256Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-TSOP	SST49LF002A or SST49LF020A	Drop-in compatible
PM49FL004T-33JC	PMC	512Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-PLCC	SST49LF004A or SST49LF040 or SST49LF040B	Drop-in compatible
PM49FL004T-33JV	PMC	512Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-TSOP	SST49LF004A or SST49LF040 or SST49LF040B	Drop-in compatible
PM49FL008T-33JC	PMC	1024Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-PLCC	SST49LF008A or SST49LF080A	Drop-in compatible
PM49FL008T-33JV	PMC	1024Kx8	3.0-3.6V	33 MHz	FWH/LPC Protocol Interface	32-TSOP	SST49LF008A or SST49LF080A	Drop-in compatible

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
ComboMemory - 4 Mbit Flash + 1 Mbit SRAM											
LRS13012	Sharp	(F) 512Kx8	-	(F) -	STSOP - 40	-	-	SST31LF041-70-4E-WI	-	Yes	-
		(S) 128Kx8		(S) -							
ComboMemory - 8 Mbit Flash + 1 Mbit SRAM											
LRS1304	Sharp	(F) 512Kx16	2.7V - 3.6V	(F) -	STSOP - 48	-	Top	SST31HF801-70-4E-EK	No	2003 - Plan	Pinout Incompatible, Need Software Changes
		(S) 64Kx16		(S) -							
LRS1327	Sharp	(F) 512Kx16	2.7V - 3.6V	(F) -	BGA - 64	-	Top	SST32HF802-70-4E-TBK	No	Yes	Pinout Incompatible, SST Part is 8M Flash + 2M SRAM
		(S) 64Kx16		(S) -							
ComboMemory - 8 Mbit Flash + 2 Mbit SRAM											
MB84VD2002	Fujitsu	(F) 1Mx8 or 512Kx16	2.7V - 3.6V	100ns	BGA - 48	Yes	Top	SST32HF802-70-4E-TBK	Yes	Yes	100% Drop In replacement, SST x16 only and Not Concurrent, Fujitsu SRAM x8 only
		(S) 256Kx8									Pins G4, G5, G6 are NC for SST part. Need Software Changes
MB84VD2003	Fujitsu	(F) 1Mx8 or 512Kx16	2.7V - 3.6V	100ns	BGA - 48	Yes	Bottom	SST32HF802-70-4E-TBK	Yes	Yes	100% Drop In replacement, SST x16 only and Not Concurrent, Fujitsu SRAM x8 only
		(S) 256Kx8									Pins G4, G5, G6 are NC for SST part. Need Software Changes
MB84VD2008	Fujitsu	(F) 512Kx16	2.7V - 3.6V	100ns	BGA - 48	Yes	Top	SST32HF802-70-4E-TBK	Yes	Yes	100% Drop In replacement, SST part Not Concurrent
		(S) 128Kx16									Pins G4, G5 are NC for SST part. Need Software Changes
MB84VD2009	Fujitsu	(F) 512Kx16	2.7V - 3.6V	100ns	BGA - 48	Yes	Bottom	SST32HF802-70-4E-TBK	Yes	Yes	100% Drop In replacement, SST part Not Concurrent
		(S) 128Kx16									Pins G4, G5 are NC for SST part. Need Software Changes
LRS1338A	Sharp	(F) 512Kx16	2.7V - 3.6V	(F) 120ns	TSOP - 48	No	Top	SST32HF802-70-4E-TBK	No	Yes	Pinout Incompatible, SST offers BGA only, Need Software Changes
		(S) 256Kx8		(S) 85ns							Sharp SRAM x8 only
M6MGB/T08S2ATP	Mitsubishi	(F) 1Mx8 or 512Kx16	2.7V - 3.6V	(F) 100ns	TSOP II - 82	No	Top+Bottom	SST32HF802-70-4E-TBK	No	Yes	Pinout Incompatible, Mitsubishi SRAM x8 only, SST Flash x16 only and BGA
		(S) 256Kx8		(S) 100ns							Need Software Changes
ComboMemory - 16 Mbit Flash + 2 Mbit SRAM											
28F1602C3	Intel	(F) 1Mx16	2.7V - 3.3V	70ns	BGA - 68	No	Top+Bottom	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16									Need Software Changes
MB84VD2108XEA	Fujitsu	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	70ns	BGA - 61	Yes	Top	SST34HF1621-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 256Kx8 or 128Kx16									Pin F8 is NC for SST part. Need Software Changes

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
					TSOP - 56	Yes	Top	SST32HF162-90-4E-EK	No	Yes	Pinout Incompatible, SST Flash x 16 only and not Concurrent, Need Software Changes
MB84VD2109XEA	Fujitsu	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	70ns	BGA - 61	Yes	Bottom	SST34HF1621-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only
		(S) 256Kx8 or 128Kx16									Pin F8 is NC for SST part. Need Software Changes
					TSOP - 56	Yes	Bottom	SST32HF162-90-4E-EK	No	Yes	Pinout Incompatible, SST Flash x 16 only and not Concurrent, Need Software Changes
LRS1329	Sharp	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	(F) 100ns	BGA - 72	No	Top	SST34HF1621-70-4E-LFP	No	Yes	Pinout Incompatible, SST Flash Bottom Boot Block only, x16 only and Concurrent
		(S) 256Kx8		(S) 85ns							SST SRAM x8/x16, Need Software Changes
LRS1341	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) 85ns	BGA - 72	-	Top	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16		(S) 85ns							Need Software Changes
LRS1342-A	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) -	BGA - 72	-	Bottom	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16		(S) -							Need Software Changes
LRS1360-C	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) 90ns	BGA - 72	No	Top	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16		(S) 85ns							Need Software Changes
LRS1370	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) 90ns	BGA - 72	No	Bottom	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16		(S) 85ns							Need Software Changes
TH50VSF1480AASB	Toshiba	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	100ns	BGA - 65	No	Top	SST34HF1621-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only, x16 only (otherwise 100% Drop In replacement) and Concurrent, Pin E7 is SA for SST and DU for Toshiba
		(S) 256Kx8 or 128Kx16									Pin A4 is NC for Toshiba part, Pin F8 is NC for SST part. Need Software Changes
TH50VSF1481AASB	Toshiba	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	100ns	BGA - 65	No	Bottom	SST34HF1621-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only and Concurrent, Pin E7 is SA for SST and DU for Toshiba
		(S) 256Kx8 or 128Kx16									Pin A4 is NC for Toshiba part, Pin F8 is NC for SST part. Need Software Changes
Am42DL16x2DT/B	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	70ns	BGA - 69	Yes	Top+Bottom	SST34HF1621-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 128Kx16									Pin F8 is NC for SST part. Need Software Changes
AT52BR1662T	Atmel	(F) 1Mx16	2.7V - 3.3V	70ns	BGA - 66	No	Top	SST32HF162-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 128Kx16									Need Software Changes
AT52BR1672T	Atmel	(F) 1Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Top	SST34HF1621-70-4E-LFP	No	Yes	Pinout Incompatible, (*) SST part is Bottom Boot Block only and x16 only
		(S) 128Kx16		(S) 70ns							Need Software Changes
M6MFB/T16S2TP	Mitsubishi	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	110ns	TSOP II - 82	No	Top+Bottom	SST32HF162-90-4E-EK	No	Yes	Pinout Incompatible, Mitsubishi SRAM x8 only (*)
		(S) 256Kx8									SST Flash x16 only, Need Software Changes
(*) Note: If the Erase Suspend Operation or Boot Block Protection are mandatorily requested, the part can be crossed with 34HF162x (Dual Bank Architecture)											

ComboMemory - 16 Mbit Flash + 4 Mbit SRAM

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
28F1604C3	Intel	(F) 1Mx16	2.7V - 3.3V	70ns	BGA - 68	No	Top+Bottom	SST32HF164-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 256Kx16									Need Software Changes
DS42514	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	85ns	BGA - 69	Yes	Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only
		(S) 512Kx8 or 256Kx16					Bank1 < Bank2				Pin F8 is NC for SST part. Need Software Changes
DS42515	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	85ns	BGA - 69	Yes	Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only
		(S) 512Kx8 or 256Kx16					Bank1 > Bank2				Pin F8 is NC for SST part. Need Software Changes
DS42546	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	85ns	BGA - 69	Yes	Top	SST34HF1641-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 512Kx8 or 256Kx16									Pin F8 is NC for SST part. Need Software Changes
Am41DL16x4DT/B	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	70ns	BGA - 69	Yes	Top+Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 512Kx8 or 256Kx16									Pin F8 is NC for SST part. Need Software Changes
Am42DL16x4DT/B	AMD	(F) 2Mx8 or 1Mx16	2.7V - 3.3V	70ns	BGA - 69	Yes	Top+Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 512Kx8 or 256Kx16									Pin F8 is NC for SST part. Need Software Changes
MB84VD2118XA	Fujitsu	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	85ns	BGA - 69	Yes	Top	SST34HF1641-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only and x16 only (otherwise 100% Drop In replacement)
		(S) 512Kx8 or 256Kx16									Pin F8 is NC for SST part. Need Software Changes
					TSOP - 56	Yes	Top	SST32HF164-90-4E-EK	No	Yes	Pinout Incompatible, SST Flash x16 only and Not Concurrent
											Need Software Changes
MB84VD2119XA	Fujitsu	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	85ns	BGA - 69	Yes	Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only
		(S) 512Kx8 or 256Kx16									Pin F8 is NC for SST part. Need Software Changes
					TSOP - 56	Yes	Bottom	SST32HF164-90-4E-EK	No	Yes	Pinout Incompatible, SST Flash x16 only and Not Concurrent
											Need Software Changes
LRS1331-B-C	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) 90ns	BGA - 72	No	Bottom	SST32HF164-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 256Kx16		(S) 85ns							Need Software Changes
LRS1348-B	Sharp	(F) 1Mx16	2.7V - 3.6V	(F) 90ns	BGA - 72	No	Bottom	SST32HF164-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 256Kx16		(S) 85ns							Need Software Changes
AT52BR1664T	Atmel	(F) 1Mx16	2.7V - 3.3V	70ns	BGA - 66	No	Top	SST32HF164-70-4E-TBK	No	Yes	Pinout Incompatible, (*)
		(S) 256Kx16									Need Software Changes

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
AT52BR1674T	Atmel	(F) 1Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Top	SST34HF1641-70-4E-LFP	No	Yes	Pinout Incompatible, (*) SST part is Bottom Boot Block only and x16 only
		(S) 256Kx16		(S) 70ns							Need Software Changes
TH50VSF2480AASB	Toshiba	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	100ns	BGA - 65	No	Top	SST34HF1641-70-4E-LFP	Yes	Yes	SST part is Bottom Boot Block only, x16 only (otherwise 100% Drop In replacement) and Concurrent, Pin E7 is SA for SST and DU for Toshiba
		(S) 512Kx8 or 256Kx16									Pin A4 is NC for Toshiba part, Pin F8 is NC for SST part. Need Software Changes
TH50VSF2481AASB	Toshiba	(F) 2Mx8 or 1Mx16	2.7V - 3.6V	100ns	BGA - 65	No	Bottom	SST34HF1641-70-4E-LFP	Yes	Yes	100% Drop In replacement, SST Flash x16 only and Concurrent, Pin E7 is SA for SST and DU for Toshiba
		(S) 512Kx8 or 256Kx16									Pin A4 is NC for Toshiba part, Pin F8 is NC for SST part. Need Software Changes
(*) Note: If the Erase Suspend Operation or Boot Block Protection are mandatorily requested, the part can be crossed with 34HF164x (Dual Bank Architecture)											
ComboMemory - 32 Mbit Flash + 2 Mbit SRAM											
MB84VD2208XEA	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 90ns	BGA - 73	Yes	Top	SST34HF3222		2003	
		(S) 256Kx8 or 128Kx16		(S) 85ns							
MB84VD2209XEA	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 90ns	BGA - 73	Yes	Bottom	SST34HF3221		2003	
		(S) 256Kx8 or 128Kx16		(S) 85ns							
M36DR232A	STMicro	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Top	SST34WF3222		2003	
		(S) 128Kx16									
M36DR232B	STMicro	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Bottom	SST34WF3221		2003	
		(S) 128Kx16									
MT28C3212P2FL/NFL	Micron	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Top+Bottom	SST34WF322x		2003	
		(S) 128Kx16									
ComboMemory - 32 Mbit Flash + 4 Mbit SRAM											
28F3204C3	Intel	(F) 2Mx16	2.7V - 3.3V	70ns	BGA - 68	No	Top+Bottom	SST34HF324x		2003	
		(S) 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
28F3204W30	Intel	(F) 2Mx16	1.7V - 1.9V	70ns	BGA - 80	Yes	Top+Bottom	SST34WF324x		2003	
		(S) 256Kx16									
DS42553	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	90ns	BGA - 73	Yes	Top	SST34HF3242		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
DS42516	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	90ns	BGA - 73	Yes	Bottom	SST34HF3241		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
Am41DL32x4GT/B	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	70ns	BGA - 73	Yes	Top+Bottom	SST34HF324x		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
Am42DL32x4GT/B	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	70ns	BGA - 73	Yes	Top+Bottom	SST34HF324x		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
MB84VD2218XEB/XEE	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	85ns	BGA - 73	Yes	Top	SST34HF3242		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
MB84VD2219XEB/XEE	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	85ns	BGA - 73	Yes	Bottom	SST34HF3241		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
M36DR432A	STMicro	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Top	SST34WF3242		2003	
		(S) 256Kx16									
M36DR432B	STMicro	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Bottom	SST34WF3241		2003	
		(S) 256Kx16									
M36W432B	STMicro	(F) 2Mx16	2.7V - 3.3V	70ns	BGA - 66	No	Bottom	SST34HF3241		2003	
		(S) 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
											Need Software Changes, 2 Chip Selects and two 16M Banks
M36W432T	STMicro	(F) 2Mx16	2.7V - 3.3V	70ns	BGA - 66	No	Top	SST34HF3242		2003	
		(S) 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
M6MGB/T321S4TP	Mitsubishi	(F) 4Mx8 or 2Mx16	2.7V - 3.6V	(F) 90ns	TSOP II - 52	Yes	Top+Bottom	SST34HF324x		2003	
		(S) 512Kx8 or 256Kx16		(S) 85ns							
								SST34HF3243B-70-4E-LP	No	Yes	SST offers BGA Package only
											SST Flash x 16 only, Need Software Changes
M6MGB/T323S4TP	Mitsubishi	(F) 2Mx16	2.7V - 3.6V	(F) 90ns	TSOP II - 52	Yes	Top+Bottom	SST34HF324x		2003	
		(S) 512Kx8		(S) 85ns							
								SST34HF3243B-70-4E-LP	No	Yes	SST offers BGA Package only
											Need Software Changes
LRS1337-A	Sharp	(F) 2Mx16	2.7V - 3.6V	(F) -	BGA - 72	-	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) -							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
LRS1381	Sharp	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 72	Yes	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 70ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
LRS1333	Sharp	(F) 2Mx16	-	(F) -	BGA - 72	-	Top	SST34HF3242		2003	
		(S) 512Kx8		(S) -							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, SST SRAM x8/x16
											Need Software Changes
LRS1349	Sharp	(F) 2Mx16	-	(F) -	BGA - 72	-	Top	SST34HF3242		2003	
		(S) 512Kx8		(S) -							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, SST SRAM x8/x16
											Need Software Changes
LRS1361-A-B-F	Sharp	(F) 2Mx16	-	(F) 90ns	BGA - 72	-	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 85ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, SST SRAM x8/x16
											Need Software Changes
LRS1380	Sharp	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 72	Yes	Top	SST34HF3242		2003	
		(S) 256Kx16		(S) 70ns							

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, SST SRAM x8/x16
											Need Software Changes
TH50VSF2580AASB	Toshiba	(F) 4Mx8 or 2Mx16	2.7V - 3.6V	90ns	BGA - 69	Yes	Top	SST34HF3242		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
TH50VSF2581AASB	Toshiba	(F) 4Mx8 or 2Mx16	2.7V - 3.6V	90ns	BGA - 69	Yes	Bottom	SST34HF3241		2003	
		(S) 512Kx8 or 256Kx16									
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
MT28C3214P2FL/NFL	Micron	(F) 2Mx16	1.65V - 2.2V	100ns	BGA - 66	Yes	Top+Bottom	SST34WF324x		2003	
		(S) 256Kx16									
MT28C3224P20/P18	Micron	(F) 2Mx16	1.7V - 2.2V	(F) 80ns	BGA - 66	Yes	Top+Bottom	SST34WF324x		2003	
		(S) 256Kx16		(S) 85ns							
AT52BR3224	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 70ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
AT52BR3224T	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Top	SST34HF3242		2003	
		(S) 256Kx16		(S) 70ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
AT52BR3244	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 70ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
AT52BR3244T	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Top	SST34HF3242		2003	
		(S) 256Kx16		(S) 70ns							
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible
											Need Software Changes
K5A3240YTA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Top	SST34HF3242		2003	

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
		(S) 512Kx8 or 256Kx16		(S) 70ns			Bank1 < Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3240YBA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Bottom	SST34HF3241		2003	
		(S) 512Kx8 or 256Kx16		(S) 70ns			Bank1 < Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3340YTA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Top	SST34HF3242		2003	
		(S) 512Kx8 or 256Kx16		(S) 70ns			Bank1 = Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3340YBA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Bottom	SST34HF3241		2003	
		(S) 512Kx8 or 256Kx16		(S) 70ns			Bank1 = Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3A41YTA	Samsung	(F) 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Top	SST34HF3242		2003	
		(S) 256Kx16		(S) 70ns			Bank1 < Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3A41YBA	Samsung	(F) 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 70ns			Bank1 < Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3B41YTA	Samsung	(F) 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Top	SST34HF3242		2003	
		(S) 256Kx16		(S) 70ns			Bank1 = Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
											Need Software Changes, 2 Chip Selects and two 16M Banks
K5A3B41YBA	Samsung	(F) 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Bottom	SST34HF3241		2003	
		(S) 256Kx16		(S) 70ns			Bank1 = Bank2				
								SST34HF3243B-70-4E-LP	No	Yes	Pinout Incompatible, Need Adjustments (See Application Note)
											Need Software Changes, 2 Chip Selects and two 16M Banks
ComboMemory - 32 Mbit Flash + 8 Mbit SRAM											
28F3208C3	Intel	(F) 2Mx16	2.7V - 3.3V	70ns	BGA - 68	No	Top+Bottom	SST34HF328x		2003	
		(S) 512Kx16									
DS42585	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	85ns	BGA - 73	Yes	Bottom	SST34HF3281		2003	
		(S) 1Mx8 or 512Kx16									
DS42587	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	85ns	BGA - 73	Yes	Top	SST34HF3282		2003	
		(S) 1Mx8 or 512Kx16									
Am41DL32x8GT/B	AMD	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	70ns	BGA - 73	Yes	Top+Bottom	SST34HF328x		2003	
		(S) 1Mx8 or 512Kx16									
MB84VD2228XEA/XEE	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 71	Yes	Top	SST34HF3282		2003	
		(S) 1Mx8 or 512Kx16		(S) 70ns							
MB84VD2229XEA/XEE	Fujitsu	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 71	Yes	Bottom	SST34HF3281		2003	
		(S) 1Mx8 or 512Kx16		(S) 70ns							
M6MGB/T321S8TP	Mitsubishi	(F) 4Mx8 or 2Mx16	2.7V - 3.0V	(F) 90ns	TSOP II - 52	Yes	Top+Bottom	SST34HF328x		2003	
		(S) 1Mx8 or 512Kx16		(S) 85ns							
AT52BR3228	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Bottom	SST34HF3281		2003	
		(S) 512Kx16		(S) 70ns							
AT52BR3228T	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Top	SST34HF3282		2003	
		(S) 512Kx16		(S) 70ns							
AT52BR3248	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Bottom	SST34HF3281		2003	
		(S) 512Kx16		(S) 70ns							
AT52BR3248T	Atmel	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	Yes	Top	SST34HF3282		2003	
		(S) 512Kx16		(S) 70ns							
LRS1382	Sharp	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 72	Yes	Top	SST34HF3282		2003	
		(S) 512Kx16		(S) 70ns							

Competitor Part Number	Vendor	Organization	Voltage Range	Speed (ns)	Package	Concurrent Flash	Boot Protection	Equivalent SST Part #	Pinout Compatible	Available	Comments
LRS1383	Sharp	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 72	Yes	Bottom	SST34HF3281		2003	
		(S) 512Kx16		(S) 70ns							
TH50VSF3580AASB	Toshiba	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 90ns	BGA - 69	Yes	Top	SST34HF3282		2003	
		(S) 1Mx8 or 512Kx16		(S) 70ns							
TH50VSF3581AASB	Toshiba	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 90ns	BGA - 69	Yes	Bottom	SST34HF3281		2003	
		(S) 1Mx8 or 512Kx16		(S) 70ns							
M36W832B	STMicro	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Bottom	SST34HF3281		2003	
		(S) 512Kx16		(S) 70ns							
M36W832T	STMicro	(F) 2Mx16	2.7V - 3.3V	(F) 85ns	BGA - 66	No	Top	SST34HF3282		2003	
		(S) 512Kx16		(S) 70ns							
K5A3280YTA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Top	SST34HF3282		2003	
		(S) 1Mx8 or 512Kx16		(S) 55ns			Bank1 < Bank2				
K5A3280YBA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	Yes	Bottom	SST34HF3281		2003	
		(S) 1Mx8 or 512Kx16		(S) 55ns			Bank1 < Bank2				
K5A3380YTA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	No	Top	SST34HF3282		2003	
		(S) 1Mx8 or 512Kx16		(S) 55ns			Bank1 = Bank2				
K5A3380YBA	Samsung	(F) 4Mx8 or 2Mx16	2.7V - 3.3V	(F) 80ns	BGA - 69	No	Bottom	SST34HF3281		2003	
		(S) 1Mx8 or 512Kx16		(S) 55ns			Bank1 = Bank2				

Competitor Part Number	Vendor	Package	Description	Equivalent SST Part#	Comments
ATA-Disk Chip					
SDTB-64	SanDisk	8MB TSOP	Flash ChipSet	SST58SD/LD008	Different package and pinout, same functionality
SDTB-128	SanDisk	16MB TSOP	Flash ChipSet	SST58SD/LD016	Different package and pinout, same functionality
SDTB-256	SanDisk	32MB TSOP	Flash ChipSet	SST58SD/LD032	Different package and pinout, same functionality
MD2200-DXXMB	M-Systems	32 PIN DIP	DiskOnChip 2000	SST58SD/LDXXX	Different package and pinout, similar functionality
MD2800-D08	M-Systems	32 PIN DIP	DiskOnChip Millennium	SST58SD/LD008	Different package and pinout, similar functionality
MD2810-D08	M-Systems	32 PIN TSOP-II	DiskOnChip Millennium	SST58SD/LD008	Different package and pinout, similar functionality
MD2210-D16-V3	M-Systems	48 PIN TSOP-I	DiskOnChip 2000	SST58SD/LD016	Different package and pinout, similar functionality
MD2811-D32-V3	M-Systems	48 PIN TSOP-I	DiskOnChip MillenniumPlus	SST58SD/LD032	Different package and pinout, similar functionality

Competitor Part Number	Vendor	Organized as x8/ x16	Memory (RAM)	Clock (MHz)	Description	Package	Equivalent SST Part#	Comments
Embedded Controllers								
i80C51BH	Intel	4KB ROM	128B	12,16,24	8-Bit Microcontroller	PI, NJ	SST89C54-33-C	100% replacment
i80C52	Intel	8KB ROM	256B	12,16,24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	100% replacment
i80C54	Intel	16KB ROM	256B	12,16,24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	100% replacment
i87C51	Intel	4KB EPROM	128B	16,24	8-Bit Microcontroller	PI, NJ*	SST89C54-33-C	100% replacment
i87C52	Intel	8KB EPROM	256B	12,16,24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	100% replacment
i87C54	Intel	16KB EPROM/OTP	256B	16,24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	100% replacment
i87C58	Intel	32K ROM/EPROM/OTP	256B	12,16,24,33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	100% replacment
i80L52	Intel	8KB ROM	256B	12	8-Bit Microcontroller	NJ, TQJ*	SST89C54-33-C	100% replacment - Discontinued Product
i80L54	Intel	16KB ROM	256B	12	8-Bit Microcontroller	NJ, TQJ*	SST89C54-33-C	100% replacment - Discontinued Product
i80L58	Intel	32KB ROM	256B	12	8-Bit Microcontroller	NJ, TQJ*	SST89C58-33-C	100% replacment - Discontinued Product
i87L52	Intel	8KB OTP/ROM	256B	12,16,20	8-Bit Microcontroller	NJ, TQJ*	SST89C54-33-C	100% replacment - Discontinued Product
i87L54	Intel	16KB OTP/ROM	256B	12,16,20	8-Bit Microcontroller	NJ, TQJ*	SST89C54-33-C	100% replacment - Discontinued Product
i87L58	Intel	32KB OTP/ROM	256B	12,16,20	8-Bit Microcontroller	NJ, TQJ*	SST89C58-33-C	100% replacment - Discontinued Product
i83C51FA	Intel	8KB ROM	256B	12,16,24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i87C51FA	Intel	8KB EPROM/OTP	256B	16,24,33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i87C51FB	Intel	16KB ROM/EPROM/OTP	256B	16,24,33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i87C51FC	Intel	32KB ROM/EPROM/OTP	256B	16,24,33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	Similar function and not direct replacment/socket compatible
i83L51FA	Intel	8KB ROM/EPROM	256B	12,16,20	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i83L51FB	Intel	16KBROM	256B	12	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i87L51FB	Intel	16KB OTP/ROM	256B	12,16,20	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i83L51FC	Intel	32KB ROM	256B	12	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	Similar function and not direct replacment/socket compatible
i87L51FC	Intel	32 KB OTP/ROM	256B	12,16,20	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	Similar function and not direct replacment/socket compatible
I83C51GB	Intel	8KB ROM	256B	12,16	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
i87C51GB	Intel	8K OTP	256B	12,16	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible

Competitor Part Number	Vendor	Organized as x8/ x16	Memory (RAM)	Clock (MHz)	Description	Package	Equivalent SST Part#	Comments
AT87F51	Atmel	4KB OTP	128B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 16KB+4KB, RAM = 256B, T2, WDT
AT87F52	Atmel	8KB OTP	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 32KB+4KB, No T2 mod register, WDT
AT87F55WD	Atmel	20KB OTP	256b	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/Drop-in replacement, Flash = 32KB+4KB, No T2 mod register.
AT89C51	Atmel	4KB Flash	128B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 16KB+4KB, RAM = 256B, T2, WDT
AT89C52	Atmel	8KB Flash	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 16KB+4KB, WDT, No T2 mod register.
AT89C55WD	Atmel	20KB Flash	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/Drop-in replacement, Flash = 32KB+4KB, No T2 mod register.
AT89LV51	Atmel	4KB Flash	128B	12	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, 12 MHz at 3V, Flash = 16KB+4KB, RAM=256B
TS8XC54X2	Atmel	16KB PM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No X2 mode, No T2 mod register.
TS8XC58X2	Atmel	32KB PM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/Drop-in replacement, No X2 mode, No T2 mod register.
AT89L/S53	Atmel	12KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 16KB+4KB, No SPI bus, No T2 mod register.
AT89L/S8252	Atmel	8KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, No EEPROM, Flash = 16KB+4KB, No SPI
TS8XC52X2	Atmel	8KB PM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, Flash = 16KB+4KB, WDT, No T2 mod register, No X2 mode
T8XC51RC	Atmel	32KB PM	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E/V554RC-40-C	SST/Drop-in replacement, RAM = 1KB, PCA Counter Array, X2 mode
T8XC51RB2	Atmel	16KB PM	128B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E/V554RC-40-C	SST/Drop-in replacement, Flash = 32KB+8KB
T8XC51RC2	Atmel	32KB PM	1.280KB	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E/V554RC-40-C	SST/Drop-in replacement, RAM = 1024B
T8XC51RD2	Atmel	64KB PM	1.280KB	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E/V564RD-40-C	SST/Drop-in replacement, RAM = 1024B
P8XC51FA	Philips	8KB PM	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, No PWM, Flash = 16KB+4KB, No PCA
P8XC51FB	Philips	16KB PM	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, No PWM, Flash =16KB+ 4KB, No PCA
P8XC51FC	Philips	32KB PM	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/Drop-in replacement, No T2 mod register, No PWM, Flash =32KB+ 4KB, No PCA
P83C851	Philips	4KB ROM	128B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No EEPROM, WDT, Flash = 16KB+4KB, RAM = 256B
P8XC51	Philips	4KB Program Memory	128B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, WDT, Flash = 16KB+4KB
P8XC52	Philips	8K Program Memory	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, WDT , Flash = 16KB+4KB
P8XC54	Philips	16KB Program Memory	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop-in replacement, No T2 mod register, WDT
P8XC58	Philips	32KB Program Memory	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/Drop-in replacement, No T2 mod register, WDT
P8XC51RA+	Philips	8KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC	SST/Flash = 32KB+8KB, RAM = 1KB, philips =No X2 mode

Competitor Part Number	Vendor	Organized as x8/ x16	Memory (RAM)	Clock (MHz)	Description	Package	Equivalent SST Part#	Comments
P8XC51RB+	Philips	16KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC	SST/Flash = 32KB+8KB, RAM = 1KB, philips =No X2 mode
P8XC51RB2	Philips	16KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554-40-C	SST/Flash = 32KB+8KB, RAM = 1KB, No PWM
P8XC51RC+	Philips	32KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC	Philips/No 6 clock core, PWM
P8XC51RC2	Philips	32KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	SST/RAM = 1KB, No PWM
P8XC51RD+	Philips	64KB Program Memory	1024B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E564RD-40-C	Philips/No 6 clock core, PWM
P8XC51RD2	Philips	64KB Program Memory	512B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E564RD-40-C	SST/RAM = 1KB, No PWM
W78C51D	Winbond	4KB ROM	128B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, RAM=256B,WDT
W78C52D	Winbond	8KB ROM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop in replacment, Flash=16KB+4KB, WDT
W78C54	Winbond	16KB ROM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, WDT
W78C58	Winbond	32KB ROM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/ Drop in replacment, WDT
W78E51B	Winbond	4K Flash	128B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB,RAM=256B, WDT
W78E52B	Winbond	8KB Flash	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, WDT
W78E54B	Winbond	16KB Flash	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, WDT
W78E58B	Winbond	32KB Flash	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/ Drop in replacment, WDT
W78E516B	Winbond	64KB Flash	512B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E564RD-40-C	SST/ Drop in replacment, RAM=1KB, PCA, WDT, X2 clock mode
W78E858	Winbond	32KB Flash	768B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	SST/ Drop in replacment, RAM=1KB, PCA, WDT, X2 clock mode
W78E516	Winbond	64KB ROM	512B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E564RD-40-C	SST/ Drop in replacment, RAM=1KB, PCA, WDT, X2 Clock mode
W78C801	Winbond	4K ROM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, WDT
W78L51	Winbond	4KB ROM	128B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/Drop in replacment, Flash=16KB+4KB,RAM =256B, WDT, 3V at 12MHz
W78L52	Winbond	8KB ROM	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, WDT, 3V at 12MHz
W78L54	Winbond	16KB ROM	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, WDT , 3V at 12MHz
W78LE54	Winbond	16KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, WDT, 3V at 12MHz
W78L801	Winbond	4KB ROM	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB , WDT, 3V at 12MHz
W78LE51	Winbond	4K Flash	128B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, RAM=256B, WDT, 3V at 12MHz
W78LE52	Winbond	8KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash= 16KB+4KB, WDT, 3V at 12MHz
W78LE54	Winbond	16KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, WDT, 3V at 12MHz
W78LE58	Winbond	32KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C58-33-C	SST/ Drop in replacment, WDT , 3V at 12MHz
W78LE516	Winbond	64KB Flash	512B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89V564RD-33-C	SST/ Drop in replacment, RAM=1KB, PCA, WDT, SPI, IAP, 3V at 33MHz

Competitor Part Number	Vendor	Organized as x8/ x16	Memory (RAM)	Clock (MHz)	Description	Package	Equivalent SST Part#	Comments
W78LE812	Winbond	8KB Flash	256B	24	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	SST/ Drop in replacment, Flash=16KB+4KB, WDt, 3V at 12MHz
W77C58	Winbond	32KB ROM	1280B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	SST/Drop in replacment, WDT, PCA, SPI, X2 clock mode
W77C516	Winbond	64KB ROM	1280B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E564RD-40-C	SST/ Drop in replacment, WDT, SPI, PCA, X2 clock mode
W77E58	Winbond	32KB Flash	1280B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	SST/ Drop in replacment, WDT, PCA, SPI, X2 clock mode
W77LE58	Winbond	32KB Flash	1280B	25	8-Bit Microcontroller	PI, NJ, TQJ*	SST89V554RC-33-C	SST/Drop in replacment, WDT , PCA, SPI, X2 clock mode
DS83C520	Dallas	16KB ROM	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Direct replacment/socket compatible
DS87C520	Dallas	16KB EPROM	256B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	Direct replacment/socket compatible
DS83C530	Dallas	16KB ROM	1024B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	Direct replacment/socket compatible. Flash = 32KB
DS87C530	Dallas	16KB EPROM	1024B	33	8-Bit Microcontroller	PI, NJ, TQJ*	SST89E554RC-40-C	Direct replacment/socket compatible. Flash = 32KB
IS80C51	ISSI	4KB ROM	128B	40	8-Bit Microcontroller	PI, NJ	SST89C54-33-C	100% replacment
IS80C52	ISSI	8KB ROM	256B	40	8-Bit Microcontroller	PI, NJ	SST89C54-33-C	100% replacment
IS80LV51	ISSI	4KB ROM	128B	40	8-Bit Microcontroller	PI, NJ	SST89C54-33-C	100% replacment
IS80LV52	ISSI	8KB ROM	256B	40	8-Bit Microcontroller	PI, NJ	SST89C54-33-C	100% replacment
IS89C52	ISSI	8KB Flash	256B	40	8-Bit Microcontroller	NJ	SST89C54-33-C	100% replacment
C501-1R	Infineon[5]	8KB ROM	256B	40	8-Bit Microcontroller	PI, NJ, TQJ*	SST89C54-33-C	100% replacment
C501-1E	Infineon[5]	8KB OTP	256B	40	8-Bit Microcontroller	PI, NJ *	SST89C54-33-C	100% replacment
C511-R	Infineon[5]	2.5KB ROM	128B	12	8-Bit Microcontroller	NJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
C511A-R	Infineon[5]	4KB ROM	128B	12	8-Bit Microcontroller	NJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
C513-1R	Infineon[5]	8KB ROM	256	12	8-Bit Microcontroller	NJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
C513A-R	Infineon[5]	12KB ROM	512B	12	8-Bit Microcontroller	NJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
C513A-2R	Infineon[5]	16KB ROM	512B	12	8-Bit Microcontroller	NJ, TQJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
C513A-H	Infineon[5]	12KB EPROM	512B	12	8-Bit Microcontroller	NJ*	SST89C54-33-C	Similar function and not direct replacment/socket compatible
MSM83C154S	OKI	16 KB ROM	256B	3,12,24	8-Bit Microcontroller	PI,NJ,TQJ	SST89C54-33-C	Similar function and not direct replacment/socket compatible

Notes:

1. Refer SST website -- www.sst.com for development tools/programmer support
2. New products samples availablity: refer product availability guide.
3. * PI - PDIP, NJ - PLCC, TQJ - TQFP
4. Temic is now part of Atmel
5. Infineon was formerly known as Siemens