

## EPROMs, EEPROMs and FLASH Memory — continued

### FLASH Memory – 5V

These devices are designed to be programmed in-system with the standard system 5.0V Vcc supply. 12V Vpp is not required for program or erase operations. They can also be programmed in standard EPROM programmers. Sector erase architecture (any combination of sectors can be concurrently erased). Also supports full chip erase. 100,000 erase/program cycles. Available in DIL, PLCC and TSOP packages.

SEM215

				Vcc =	Price Each						
				5V±	Mftrs. List No.	Order Code	1+	10+	100+	250+	500+
<b>1Mb</b>	Mftr.	Pins	Description								
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 70ns acc.....	10%	AM29F010A-70JC	SMD 302-0241					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 90ns acc.....	10%	AM29F010A-90JC	SMD 302-0216					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 70ns acc.....	10%	AM29F010-70JC	SMD 787-437†					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 70ns acc.....	10%	AM29F010B-70JC	SMD 317-7609					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 90ns acc.....	10%	AM29F010B-90JC	SMD 345-2864					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 70ns acc.....	10%	AM29F010-70PC	787-449					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 90ns acc.....	10%	AM29F010-90JC	SMD 485-196†					
29F010	AMD	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 90ns acc.....	10%	AM29F010-90PC	485-184					
29F010	ST	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	M29F010B-120P1	NEW SMD 352-8522					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 45ns acc. (PLCC).....	10%	M29F010B45K1	SMD 333-4958					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 45ns acc. (TSOP).....	10%	M29F010B45N1	SMD 333-4960					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 45ns acc.....	10%	M29F010B45P1	333-4971					
29F010	ST	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 55ns acc., (PLCC, IND TEMP).....	10%	M29F010B-55K1	NEW SMD 352-8546					
29F010	ST	32	1Mb (128K 8) FLASH, 5V only, CMOS memory - 70ns acc., (TSOP, IND TEMP).....	10%	M29F010B-70N6	NEW SMD 352-8534					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 90ns acc. (PLCC).....	10%	M29F010B90K1	SMD 333-4995					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 90ns acc. (TSOP).....	10%	M29F010B90N1	SMD 333-4983					
29F010	ST	32	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 90ns acc.....	10%	M29F010B90P1	333-5008					
<b>4Mb</b>	Mftr.	Pins	Description								
29040	AMIC	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 70ns acc. ....	10%	A29040P-70	SMD 344-7789					
29F040	AMD	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 90ns acc. ....	10%	AM29F040B-90JC	SMD 345-3868					
29F040	AMD	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	AM29F040B-120JC	SMD 302-0228					
29F040	AMD	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	AM29F040B-120PC	302-0230					
29F040	AMD	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	AM29F040-120JC	SMD 483-114†					
29F040	FUJ	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc. (IND TEMP).....	10%	MBM29F040A120PDX	SMD 790-254†					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 70ns acc. (PLCC).....	10%	M29F040B70K1	SMD 302-5391					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 70ns acc. (TSOP).....	10%	M29F040-70N1	SMD 302-5408					
29F040	ST	32	4Mb (512K 8) FLASH, 5V only, CMOS memory - 70ns acc., (TSOP, IND TEMP).....	10%	M29F040B-70N6	NEW SMD 352-8558					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	M29F040-120K1	SMD 787-097					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc. (TSOP).....	10%	M29F040-120N1	SMD 787-103					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 90ns acc. (PLCC).....	10%	M29F040B90K1	SMD 333-5100					
29F040	ST	32	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 90ns acc. (TSOP).....	10%	M29F040B90N1	SMD 333-5094					
29F0400	FUJ	44	4Mb (512K x 8/256 16) FLASH, 5V only, CMOS memory - 70ns acc. ....	10%	MBM29F400TA-70PF	SMD 332-7140					
29F0400	FUJ	44	4Mb (512K x 8/256 16) FLASH, 5V only, CMOS memory - 70ns acc. ....	10%	MBM29F400TC-70PF	SMD 790-746†					
<b>8Mb</b>	Mftr.	Pins	Description								
29F080	AMD	44	8Mb (1M x 8) FLASH, 5V only, CMOS memory - 120ns acc.....	10%	AM29F080-120SC	SMD 671-680					
29F080	AMD	44	8Mb (1M x 8) FLASH, 5V only, CMOS memory - 150ns acc.....	10%	AM29F080-150SC	SMD 671-691					
29F080	ST	40	8Mb (1Mb x 8) FLASH, 5V only, CMOS memory - 90ns acc. (TSOP).....	10%	M29F080A90N1	333-5150					

† Available until stocks are exhausted

### FLASH Memory

FLASH Memory is a reliable, cost effective non-volatile digital storage device, which has the read characteristics of EPROM, SRAM and EEPROM. However, when 12V is applied to the device, it can be programmed on a byte basis, with the ability to bulk erase in a few seconds without removing the device from the system.

FLASH Memory devices are available in DIL and PLCC packages which can be socketed or mounted directly onto a board for increased reliability.

SEM143

				VCC =	Price Each						
				5V±	Mftrs. List No.	Order Code	1+	10+	100+	250+	500+
<b>256K</b>	Mftr.	Pins	Description								
28F256	AMD	32	256K (32K 8) FLASH memory - 90ns Access .....	10%	AM28F256-90PC	671-617†					
28F256	AMD	32	256K (32K 8) FLASH memory - 120ns Access .....	10%	AM28F256-120PC	787-371†					
28F256	ST	32	256K (32K 8) FLASH memory - 120ns Access .....	10%	M28F256-12B1	796-190†					
28F256	ST	32	256K (32K 8) FLASH memory - 120ns Access (PLCC).....	10%	M28F256-12C1	SMD 796-207†					
28F256	INTEL	32	256K (32K 8) FLASH memory - 120ns Access .....	10%	P28F256A120	296-193†					
<b>512K</b>	Mftr.	Pins	Description								
28F512	ST	32	512K (64K 8) FLASH memory - 100ns Access (PLCC).....	10%	M28F512-10C1	SMD 302-5342†					
28F512	ST	32	512K (64K 8) FLASH memory - 120ns Access .....	10%	M28F512-12B1	796-219†					
<b>1Mb</b>	Mftr.	Pins	Description								
28F010	AMD	32	1Mb (128K 8) FLASH memory - 90ns Access (PLCC).....	10%	AM28F010-90JC	SMD 671-496					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 90ns Access .....	10%	AM28F010-90PC	671-502					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 120ns Access .....	10%	AM28F010-120JC	SMD 787-395					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 120ns Access .....	10%	AM28F010-120PC	703-035†					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 150ns Access .....	10%	AM28F010-150JC	SMD 703-011†					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 150ns Access .....	10%	AM28F010-150PC	787-401					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 150ns Access (IND TEMP).....	10%	AM28F010-150PI	671-460					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 200ns Access (PLCC).....	10%	AM28F010-200JC	SMD 671-472					
28F010	AMD	32	1Mb (128K 8) FLASH memory - 200ns Access .....	10%	AM28F010-200PC	671-484					
28F010	ISSI	32	1Mb (128K 8) FLASH memory - 45ns Access .....	10%	IS28F010-45T	SMD 796-992					
28F010	ISSI	32	1Mb (128K 8) FLASH memory - 70ns Access .....	10%	IS28F010-70PL	SMD 796-943†					
28F010	ISSI	32	1Mb (128K 8) FLASH memory - 70ns Access .....	10%	IS28F010-70T	SMD 796-967					
28F010	INTEL	32	1Mb (128K 8) FLASH memory - 65ns Access .....	10%	N28F010-65	SMD 631-723					
28F010	INTEL	32	1Mb (128K 8) FLASH memory - 120ns Access .....	10%	N28F010-120	SMD 295-395					
28F010	INTEL	32	1Mb (128K 8) FLASH memory - 150ns Access .....	10%	N28F010-150	SMD 395-936					
28F010	INTEL	32	1Mb (128K 8) FLASH memory - 120ns Access .....	10%	P28F010-120	295-383					
28F101	ST	32	1Mb (128K 8) FLASH memory - 100ns Access (PLCC).....	10%	M28F101-100K1	SMD 796-232†					
28F101	ST	32	1Mb (128K 8) FLASH memory - 100ns Access .....	10%	M28F101-100P1	796-244†					

All types are 12V VPP and offer a minimum of 10,000 erase/program cycles.

† Available until stocks are exhausted

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