



Manufacturer		ATMEL	ATMEL	ATMEL	SPANSION	SPANSION
Part ID		AT26F004	AT26DF081A	AT26DF161	S25FL004A	S25FL008A
Spec version		C – April 2006	C – April 2006	C – April 2006		
Density (Mb)		4Mb	8Mb	16Mb	4Mb	8Mb
TSSOP8						
SO8N (150mils)						
SO8W (200mils)						
SO16W (300mils)						
MLP6*5						
MLP8*6						
Vcc		2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V
Vpp		No	No	No	No	No
Read speed (MHz)		20MHz	33MHz	33MHz	33MHz	33MHz
Fast Read Speed (MHz)		33MHz	70MHz	66MHz	50MHz	50MHz
Programming (Bytes)		1	256	256	256B	256B
Chip erase		Yes	Yes	Yes	Yes	Yes
64KB erase		Yes	Yes	Yes	Yes	Yes
32KB erase		Yes	Yes	Yes	No	No
4KB erase		Yes	Yes	Yes	No	No
2KB erase		No	No	No	No	No
256B erase		No	No	No	No	No
Granularity						
Read	READ (03h)	20MHz	33MHz	33MHz	33MHz	33MHz
	FREAD (0Bh)	33MHz	70MHz	66MHz	50MHz	50MHz
	FREAD Dual O (3Bh)					
	FREAD Dual O/I (BBh)					
Identification	RDIDJ (9Fh)	1F 04 00	1F 45 01	1F 46 00	01 02 12	01 02 13
	RDID1 (ABh)	No	No	No	12	13
	RDID2 (90h)	No	No	No	No	No
	WREN (06h)	OK	OK	OK	OK	OK
EWSR (50h)	No	No	No	No	No	
WRDI (04h)	OK	OK	OK	OK	OK	
RDSR (05h)	OK	OK	OK	OK	OK	
WRSR (01h)	OK	OK	OK	OK	OK	
WRLR (E5h)	No	No	No	No	No	
RDLR (E8h)	No	No	No	No	No	
RDCR (A1h)	No	No	No	No	No	
WRCR (F1h)	No	No	No	No	No	
RSPR (3Ch)	OK	OK	OK	No	No	
PS (36h)	OK	OK	OK	No	No	
US (39h)	OK	OK	OK	No	No	
PW (0Ah)	No	No	No	No	No	
PP1 (02h)	1B	256B	256B	256B	256B	
PP2 (AFh)	1B	1B	No	No	No	
AAI (ADh)	No	1B	No	No	No	
PE (DBh)	No	No	No	No	No	



Erasing	SE1 (D8h)	64KB	64KB	64KB	64KB	64KB
	SE2 (52h)	32KB	32KB	32KB	No	No
	SE3 (20h)	4KB	4KB	4KB	No	No
	SE3 (D7h)	No	No	No	No	No
	BE1 (C7h)	OK	OK	OK	OK	OK
	BE2 (60h)	OK	OK	OK	No	No
	DP (B9h)	OK	OK	OK	OK	OK
	RDP (ABh)	OK	OK	OK	OK	OK

Manufacturer						
Part ID	S25FL016A	PM25LV512	PM25LV010	PM25LV512A	PM25LV010A	
Spec version		rev2.3 Apr-06	rev2.3 Apr-06	rev2.7 Apr-06	rev2.7 Apr-06	
Density (Mb)	16Mb	512b	1Mb	512b	1Mb	
TSSOP8						
SO8N (150mils)						
SO8W (200mils)						
SO16W (300mils)						
MLP6*5						
MLP8*6						
Vcc	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	
Vpp	No	No	No	No	No	
Read speed (MHz)	33MHz	25MHz	25MHz	33MHz	33MHz	
Fast Read Speed (MHz)	50MHz	33MHz	33MHz	100MHz	100MHz	
Programming (Bytes)	256B	256B	256B	256B	256B	
Chip erase	Yes	Yes	Yes	Yes	Yes	
64KB erase	Yes	No	No	No	No	
32KB erase	No	Yes	Yes	Yes	Yes	
4KB erase	No	Yes	Yes	Yes	Yes	
2KB erase	No	No	No	No	No	
256B erase	No	No	No	No	No	
Granularity						Boot block
Read	READ (03h)	33MHz	25MHz	25MHz	33MHz	33MHz
	FREAD (0Bh)	50MHz	33MHz	33MHz	100MHz	100MHz
	FREAD Dual O (3Bh)					
	FREAD Dual O/I (BBh)					
Identification	RDIDJ (9Fh)	01 02 14			9D 7F 7B	9D 7F 7C
	RDID1 (ABh)	14	9D 7B	9D 7C	9D 7B 7F	9D 7C 7F
	RDID2 (90h)	No	No	No	No	No
	WREN (06h)	OK	OK	OK	OK	OK
	EWSR (50h)	No	No	No	No	No
	WRDI (04h)	OK	OK	OK	OK	OK
RDSR (05h)	OK	OK	OK	OK	OK	
WRSR (01h)	OK	OK	OK	OK	OK	
WRLR (E5h)	No	No	No	No	No	
RDLR (E8h)	No	No	No	No	No	
RDCR (A1h)	No	No	No	OK	OK	



	WRCR (F1h)	No	No	No	OK	OK
	RSPR (3Ch)	No	No	No	No	No
	PS (36h)	No	No	No	No	No
	US (39h)	No	No	No	No	No
Programming	PW (0Ah)	No	No	No	No	No
	PP1 (02h)	256B	256B	256B	256B	256B
	PP2 (AFh)	No	No	No	No	No
	AAI (ADh)	No	No	No	No	No
	PE (DBh)	No	No	No	No	No
Erasing	SE1 (D8h)	64KB	32KB	32KB	32KB	32KB
	SE2 (52h)	No	No	No	No	No
	SE3 (20h)	No	No	No	No	No
	SE3 (D7h)	No	4KB	4KB	4KB	4KB
	BE1 (C7h)	OK	OK	OK	OK	OK
	BE2 (60h)	No	No	No	No	No
	DP (B9h)	OK	No	No	No	No
	RDP (ABh)	OK	No	No	No	No

	PMC	PMC	PMC	PMC	Macronix	
Manufacturer	PMC	PMC	PMC	PMC	Macronix	
Part ID	PM25LV020	PM25LV040	PM25LV080	PM25LV016	MX25L4005A	
Spec version	rev2.7 Apr-06	rev2.7 Apr-06	Apr-06	Apr-06	Sept 2005	
Density (Mb)	2Mb	4Mb	8Mb	16Mb	4Mb	
TSSOP8					No	
SO8N (150mils)					SO8N	
SO8W (200mils)					SO8W	
SO16W (300mils)					No	
MLP6*5					MLP6*5	
MLP8*6					No	
Vcc	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	
Vpp	No	No	No	No	No	
Read speed (MHz)	33MHz	33MHz	33MHz	33MHz	33MHz	
Fast Read Speed (MHz)	100MHz	100MHz	100MHz	100MHz	85MHz	
Programming (Bytes)	256B	256B	256B	256B	256B	
Chip erase	Yes	Yes	Yes	Yes	Yes	
64KB erase	Yes	Yes	Yes	Yes	Yes	
32KB erase	No	No	No	No	No	
4KB erase	Yes	Yes	Yes	Yes	Yes	
2KB erase	No	No	No	No	No	
256B erase	No	No	No	No	No	
Granularity	Boot block	Boot block	Boot block	Boot block		
Read	READ (03h)	33MHz	33MHz	33MHz	33MHz	
	FREAD (0Bh)	100MHz	100MHz	100MHz	100MHz	
	FREAD Dual O (3Bh)					85MHz
	FREAD Dual O/I (BBh)					
	RDIDJ (9Fh)	9D 7F 7D	9D 7F 7E	9D 7F 7A	9D 7F 71	C2 20 13
RDID1 (ABh)	9D 7D 7F	9D 7E 7F	9D 7A 7F	9D 71 7F	12	



Identification	RDID2 (90h)	No	No	No	No	C2 12
	WREN (06h)	OK	OK	OK	OK	OK
	EWSR (50h)	No	No	No	No	No
	WRDI (04h)	OK	OK	OK	OK	OK
	RDSR (05h)	OK	OK	OK	OK	OK
	WRSR (01h)	OK	OK	OK	OK	OK
	WRLR (E5h)	No	No	No	No	No
	RDLR (E8h)	No	No	No	No	No
	RDCL (A1h)	OK	OK	OK	OK	No
	WRCL (F1h)	OK	OK	OK	OK	No
Programming	RSPR (3Ch)	No	No	No	No	No
	PS (36h)	No	No	No	No	No
	US (39h)	No	No	No	No	No
	PW (0Ah)	No	No	No	No	No
	PP1 (02h)	256B	256B	256B	256B	256B
	PP2 (AFh)	No	No	No	No	No
	AAI (ADh)	No	No	No	No	No
	PE (DBh)	No	No	No	No	No
	SE1 (D8h)	64KB	64KB	64KB	64KB	64KB
	SE2 (52h)	No	No	No	No	64KB
Erasing	SE3 (20h)	No	No	No	No	4KB
	SE3 (D7h)	4KB	4KB	4KB	4KB	No
	BE1 (C7h)	OK	OK	OK	OK	OK
	BE2 (60h)	No	No	No	No	OK
	DP (B9h)	No	No	No	No	OK
	RDP (ABh)	No	No	No	No	OK

Manufacturer	Macronix	Macronix	AMIC	AMIC	AMIC
Part ID	MX25L8005	MX25L1605A	A25L40P	A25L80P	A25L16P
Spec version	Sept 2005	Sept 2005	Apr-06	Jan-06	Mar-06
Density (Mb)	4Mb	16Mb	4Mb	8Mb	16Mb
TSSOP8	No	No			
SO8N (150mils)	SO8N	No			
SO8W (200mils)	SO8W	SO8W			
SO16W (300mils)	No	SO16W			
MLP6*5	MLP6*5	No			
MLP8*6	No	MLP8*5			
Vcc	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V	2.7V / 3.6V
Vpp	No	No	No	No	No
Read speed (MHz)	33MHz	33MHz	33MHz	33MHz	33MHz
Fast Read Speed (MHz)	70MHz	85MHz	50MHz	50MHz	70MHz
Programming (Bytes)	256B	256B	256B	256B	256B
Chip erase	Yes	Yes	Yes	Yes	Yes
64KB erase	Yes	Yes	Yes	Yes	Yes
32KB erase	No	No	No	No	No
4KB erase	Yes	Yes	No	No	No
2KB erase	No	No	No	No	No
256B erase	No	No	No	No	No



	Granularity			Boot block	Boot block	Boot block
Read	READ (03h)	33MHz	33MHz	33MHz	33MHz	33MHz
	FREAD (0Bh)	85MHz	85MHz	50MHz	50MHz	70MHz
	FREAD Dual O (3Bh)			50MHz		70MHz
	FREAD Dual O/I (BBh)			50MHz		70MHz
Identification	RDIDJ (9Fh)	C2 20 14	C2 20 15	37 20 13	37 20 14	37 20 15
	RDID1 (ABh)	13	14	12	13	14
	RDID2 (90h)	C2 13	C2 14	No	No	37 14
	WREN (06h)	OK	OK	OK	OK	OK
	EWSR (50h)	No	No	No	No	No
	WRDI (04h)	OK	OK	OK	OK	OK
	RDSR (05h)	OK	OK	OK	OK	OK
	WRSR (01h)	OK	OK	OK	OK	OK
	WRLR (E5h)	No	No	No	No	No
	RDLR (E8h)	No	No	No	No	No
	RDCR (A1h)	No	No	No	No	No
	WRCR (F1h)	No	No	No	No	No
	RSPR (3Ch)	No	No	No	No	No
	PS (36h)	No	No	No	No	No
	US (39h)	No	No	No	No	No
Programming	PW (0Ah)	No	No	No	No	No
	PP1 (02h)	256B	256B	256B	256B	256B
	PP2 (AFh)	No	No	No	No	No
	AAI (ADh)	No	No	No	No	No
	PE (DBh)	No	No	No	No	No
	SE1 (D8h)	64KB	64KB	64KB	64KB	64KB
	SE2 (52h)	64KB	64KB	No	No	No
	SE3 (20h)	4KB	4KB	No	No	No
	SE3 (D7h)	No	No	No	No	No
Erasing	BE1 (C7h)	OK	OK	OK	OK	OK
	BE2 (60h)	OK	OK	No	No	No
	DP (B9h)	OK	OK	OK	OK	OK
	RDP (ABh)	OK	OK	OK	OK	OK

Manufacturer	EON	EON
Part ID	EN25P20	EN25P40
Spec version	RevA March 06	RevB March 06
Density (Mb)	2Mb	4Mb
TSSOP8	No	No
SO8N (150mils)	SO8N	SO8N
SO8W (200mils)	No	SO8W
SO16W (300mils)	No	No
MLP6*5	MLP6*5	MLP6*5
MLP8*6	No	No
Vcc	2.7V / 3.6V	2.7V / 3.6V



	Vpp	No	No
	Read speed (MHz)	33MHz	33MHz
	Fast Read Speed (MHz)	50MHz	50MHz
	Programming (Bytes)	256B	256B
	Chip erase	Yes	Yes
	64KB erase	Yes	Yes
	32KB erase	No	No
	4KB erase	No	No
	2KB erase	No	No
	256B erase	No	No
	Granularity		
Read	READ (03h)	33MHz	33MHz
	FREAD (0Bh)	50MHz	50MHz
	FREAD Dual O (3Bh)		
	FREAD Dual O/I (BBh)		
Identification	RDIDJ (9Fh)	No	No
	RDID1 (ABh)	11	12
	RDID2 (90h)	1C 11	1C 12
	WREN (06h)	OK	OK
	EWSR (50h)	No	No
	WRDI (04h)	OK	OK
	RDSR (05h)	OK	OK
	WRSR (01h)	OK	OK
Programming	WRLR (E5h)	No	No
	RDLR (E8h)	No	No
	RDICR (A1h)	No	No
	WRRCR (F1h)	No	No
	RSPR (3Ch)	No	No
	PS (36h)	No	No
	US (39h)	No	No
	PW (0Ah)	No	No
	PP1 (02h)	256B	256B
	PP2 (AFh)	No	No
AAI (ADh)	No	No	
Erasing	PE (DBh)	No	No
	SE1 (D8h)	64KB	64KB
	SE2 (52h)	No	No
	SE3 (20h)	No	No
	SE3 (D7h)	No	No
	BE1 (C7h)	OK	OK
	BE2 (60h)	No	No
	DP (B9h)	OK	OK
	RDP (ABh)	OK	OK