

Q4' 2011 DATABOOK

Rev 0.0



hynix



NAND Flash

SLC / MLC

NAND Flash SLC COMPONENT

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Availability	Remark
HY27US08281A	9xnm class	128Mb	16KB	SDP	3.3v/X8	TSOP/USOP	Now	
HY27US08561A	9xnm class	256Mb	16KB	SDP	3.3v/X8	TSOP/USOP/FBGA	Now	
HY27US08121B	7xnm class	512Mb	16KB	SDP	3.3v/X8	TSOP/USOP/FBGA	Now	
H27U518S2C	5xnm class	512Mb	16KB	SDP	3.3v/X8	TSOP	Now	
HY27US081G1M	7xnm class	1Gb	16KB	SDP	3.3v/X8	USOP	EOL	
HY27UF081G2A	7xnm class	1Gb	128KB	SDP	3.3v/X8	TSOP/FBGA	Now	
HY27US081G2A	7xnm class	1Gb	128KB	SDP	1.8v/X8	FBGA	Now	
H27U1G8F2B	4xnm class	1Gb	128KB	SDP	3.3v/X8	TSOP/FBGA	Now	
H27U1G8F2B	4xnm class	1Gb	128KB	SDP	1.8v/X8	TSOP/FBGA	Now	
H27U1G8F2C	3xnm class	1Gb	128KB	SDP	3.3v/X8	TSOP	Q4 '11	
HY27UF082G2B	5xnm class	2Gb	128KB	SDP	3.3v/X8	TSOP/FBGA/LGA	Now	
H27S2G8F2C	4ynm class	2Gb	128KB	SDP	1.8v/X8	FBGA	Now	Huawei only
H27U2G8F2C	4ynm class	2Gb	128KB	SDP	3.3v/X8	TSOP	Now	
HY27UF084G2B	5xnm class	4Gb	128KB	SDP	3.3v/X8	TSOP	Now	
H27U4G8F2D	4ynm class	4Gb	128KB	SDP	3.3v/X8	TSOP	Now	
H27U4G8F2E	3xnm class	4Gb	128KB	SDP	3.3v/X8	TSOP	Q2 '12	
H27U8G8G5D	4ynm class	8Gb	128KB	DDP	3.3v/X8	TSOP	Now	
H27QBG8GDA	3xnm class	32Gb	512KB	DDP	1.8v/x8	VFBGA	Now	2CE/Dual CH.
H27QCG8HEA	3xnm class	64Gb	512KB	QDP	1.8v/x8	VFBGA	Now	4CE/Dual CH.

NAND Flash MLC COMPONENT

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Availability	Remark
H27U8G8T2B	4xnm class	8Gb	512KB	SDP	3.3v/X8	TSOP	EOL	
H27UAG8T2M	4xnm class	16Gb	512KB(4KB Page)	SDP	3.3v/X8	TSOP/ULGA	EOL	
H27UAG8T2A	4ynm class	16Gb	512KB(4KB Page)	SDP	3.3v/X8	TSOP	EOL	
H27UBG8U5A	4ynm class	32Gb	512KB(4KB Page)	DDP	3.3v/X8	TSOP	EOL	
H27UBG8T2M	4ynm class	32Gb	512KB(4KB Page)	SDP	3.3v/X8	VLGA	EOL	
H27UBG8T2A	3xnm class	32Gb	2MB(8KB Page)	SDP	3.3v/x8	TSOP / VLGA	Now	
H27UCG8VFA	4ynm class	64Gb	512KB(4KB Page)	QDP	3.3v/X8	TSOP	EOL	
H27UCG8UDM	4ynm class	64Gb	512KB(4KB Page)	DDP	3.3v/X8	VLGA	EOL	
H27UCG8U5(D)A	3xnm class	64Gb	2MB(8KB Page)	DDP	3.3v/x8	TSOP / VLGA	Now	
H27UCG8T2M	2xnm class	64Gb	2MB(8KB Page)	SDP	3.3v/x8	VLGA	Now	
H27UDG8VEM	4ynm class	128Gb	512KB(4KB Page)	QDP	3.3v/X8	VLGA	EOL	
H27UDG8V5(E)A	3xnm class	128Gb	2MB(8KB Page)	QDP	3.3v/x8	TSOP / VLGA	Now	
H27UEG8YEA	3xnm class	256Gb	2MB(8KB Page)	ODP	3.3v/x8	VLGA	Now	
H27UAG8T2B	3xnm class	16Gb	2MB(8KB Page)	SDP	3.3v/x8	TSOP	Now	
H27UBG8T2B	2xnm class	32Gb	2MB(8KB Page)	SDP	3.3v/x8	TSOP	Now	
H27UCG8U2B	2xnm class	64Gb	2MB(8KB Page)	DDP	3.3v/x8	TSOP	Now	
H27QCG8UDB	2xnm class	64Gb	2MB(8KB Page)	DDP	3.3v/x8	FBGA-100	Q4 '11	HS(ONFi2.2)
H27UDG8V2B	2xnm class	128Gb	2MB(8KB Page)	QDP	3.3v/x8	FBGA-100	Q4 '11	HS(ONFi2.2)
H27UEG8Y2B	2xnm class	256Gb	2MB(8KB Page)	ODP	3.3v/x8	FBGA-100	Q4 '11	HS(ONFi2.2)
H27UCG8T2A	2ynm class	64Gb	2MB(8KB Page)	SDP	3.3v/X8	TSOP/FBGA-132	Q4 '11	
H27UCG8T2B	2ynm class	64Gb	4MB(16KB Page)	SDP	3.3v/X8	VLGA/FBGA-132	Q4 '11	
H27UBG8T2C	2ynm class	32Gb	2MB(8KB Page)	SDP	3.3v/X8	TSOP	Q2 '12	
H27UAG8T2C	2ynm class	16Gb	2MB(8KB Page)	SDP	3.3v/X8	TSOP	Q3 '12	



NAND Flash

eMMC (eNAND)

Product	Density	Base Component			Vcc/Org	Version	Availability	Remark
		Tech.	Density	Stack				
H26M3A001AMR	512MB	4ynm class	4Gb	1	3.3V/x8/x4	MMC4.41	Now	
H26M3B001MMR	1GB	4ynm class	4Gb	2	3.3V/x8/x4	MMC4.41	Now	
H26M21001DAR	2GB	4ynm class	16Gb	1	3.3V/x8/x4	MMC4.3	EOL	
H26M21001ECR	2GB	3xnm class	16Gb	1	3.3V/x8/x4	MMC4.41	Now	
H26M32001DAR	4GB	4ynm class	16Gb	2	3.3V/x8/x4	MMC4.3	EOL	
H26M32001EFR	4GB	3xnm class	32Gb	1	3.3V/x8/x4	MMC4.41	Now	
H26M31001FPR	4GB	2xnm class	32Gb	1	3.3V/x8/x4	MMC4.41	Now	
H26M44001CAR	8GB	4ynm class	16Gb	4	3.3V/x8/x4	MMC4.3	EOL	
H26M42001EFR	8GB	3xnm class	32Gb	2	3.3V/x8/x4	MMC4.41	Now	
H26M44001ECR	8GB	3xnm class	16Gb	4	3.3V/x8/x4	MMC4.41	Now	
H26M42001FMR	8GB	2xnm class	32Gb	2	3.3V/x8/x4	MMC4.41	Now	
H26M54001AJR	16GB	4ynm class	32Gb	4	3.3V/x8/x4	MMC4.3	EOL	
H26M54001BKR	16GB	3xnm class	32Gb	4	3.3V/x8/x4	MMC4.41	Now	
H26M54001BFR	16GB	3xnm class	32Gb	4	3.3V/x8/x4	MMC4.41	Now	
H26M52002CKR	16GB	2xnm class	64Gb	2	3.3V/x8/x4	MMC4.41	Now	
H26M54001DQR	16GB	2xnm class	32Gb	4	3.3V/x8/x4	MMC4.41	Now	
H26M68001MNR	32GB	4ynm class	32Gb	8	3.3V/x8/x4	MMC4.3	EOL	
H26M68001ANR	32GB	3xnm class	32Gb	8	3.3V/x8/x4	MMC4.41	Now	
H26M64002BNR	32GB	2xnm class	64Gb	4	3.3V/x8/x4	MMC4.41	Now	
H26M68001CFR	32GB	2xnm class	32Gb	8	3.3V/x8/x4	MMC4.41	Now	
H26M78002ANR	64GB	2xnm class	64Gb	8	3.3V/x8/x4	MMC4.41	Now	



NAND Flash

uSD / E2NAND2.0

uSD Component

Product	Density	Base Component			Vcc/Bus	Version	Availability	Remark
		Tech.	Density	Stack				
H24U2GTM1DRH	2GB	3xnm class	16Gb	1	3.3v/x4	Class-6	Now	

E2NAND2.0

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Availability	Remark
H2DTDG8VD1MYR	3xnm class	128Gb	2MB(8KB Page)	4	3.3v/X8	VLGA	EOL	VccQ=3.3V
H2DTEG8YD1MYR	3xnm class	256Gb	2MB(8KB Page)	8	3.3v/X8	VLGA	EOL	VccQ=3.3V
H2DTDG8UD1MYR	2xnm class	128Gb	2MB(8KB Page)	2	3.3v/X8	VLGA	Now	
H2DQEG8VD1MYR	2xnm class	256Gb	2MB(8KB Page)	4	3.3v/X8	VLGA	Now	
H2DQFG8YD1MYR	2xnm class	512Gb	2MB(8KB Page)	8	3.3v/X8	VLGA	Now	