TCC Available NAND List V8

Rev. 1.06

Telechips

MLC Type NAND-Flash Memory List

Product		NAND Driver Version	NAND Features											
Vendor	Part Number		ECC (Bit/Byte)	Bus Width (Bit)	Access Time (ns)	CS	Data (Byte)	Spare (Byte)	PpB	Block Size (KB)	Max Bad Block	Total Block	Function	Total Size (MB)
Hynix	H27UAG8T2B	V8.7.16	24/1024	8	25	x1	8192	448	256	2048	25	1024	CR,MP	2048
Hynix	H27UBG8T2A	V8.0.0	24/1024	8	25	x1	8192	448	256	2048	25	2048	CR,MP	4096
Samsung	K9GAG08U0E	V8.34.51	24/1024	8	30	x1	8192	436	128	1024	58	2076	CR,CP	2076
Samsung	K9GBG08U0A[1)]	V8.28.42	24/1024	8	25	x1	8192	640	128	1024	116	4152	CR,CP,MP,RAND	4152
Samsung	K9LCG08U0A[1)]	V8.34.51	24/1024	8	25	x1	8192	640	128	1024	116	8304	CR,CP,MP,RAND	8304
Toshiba	TC58NVG4D2HTA00	V8.34.51	40/1024	8	20	x1	8192	640	128	1024	58	2056	CR,CP,RAND	2056
Toshiba	TC58NVG5D2HTA00	V8.34.51	40/1024	8	20	x1	8192	640	128	1024	80	4116	CR,CP,MP,RAND	4116
Toshiba	THGVR1G5D1HTA00	V8.51.69	embeded	8	30	x1	8192	32	128	1024	90	4116	CR,CP,MP	4116
Toshiba	TC58NVG6D2GTA00	V8.34.51	40/1024	8	25	x1	8192	640	256	2048	128	4124	CR,CP,MP,RAND	8248
Toshiba	THGVR1G6D1GTA00	V8.51.69	embeded	8	30	x1	8192	32	256	2048	138	4124	CR,CP,MP	8248
Micron	MT29F32G08CBACA	V8.34.51	24/1024	8	25	x1	4096	224	256	1024	100	4096	CR,CP,MP	4096
Micron	MT29F64G08CBAAA	V8.34.51	24/1024	8	25	x1	8192	448	256	2048	100	4096	CR,CP,MP	8192
Micron	MT29F64G08CBABA[2)]	V8.56.81	40/1024	8	25	x1	8192	744	256	2048	100	4096	CR,CP,MP,RR	8192
Hynix	H27UBG8T2B	TBD	~ 2012/11/30	-	-	-	-	-	-	-	-	-	-	-
Samsung	K9GAG08U0F	TBD	~ 2012/11/30	-	-	-	-	-	-	-	-	-	-	-
Samsung	K9GBG08U0B	TBD	~ 2012/11/30	-	-	-	-	-	-	-	-	-	-	-

1) Pin is not 100% compatible with normal NAND.
2) TCC8920/8923/8925 support these NAND with 24bit/512B ECC condition. Please contact to NAND manufacturer for detailed information.

SLC Type NAND-Flash Memory List

Product		NAND Driver Version	NAND Features											
Vendor	Part Number		ECC (Bit/Byte)	Bus Width (Bit)	Access Time (ns)	CS	Data (Byte)	Spare (Byte)	PpB	Block Size (KB)	Max Bad Block	Total Block	Function	Total Size (MB)
Hynix	H27U1G8F2B[1)]	V8.5.8	1/528	8	25	x1	2048	64	64	128	20	1024	CR	128
Samsung	K9F1G08U0D[1)]	V8.18.26	1/528	8	25	x1	2048	64	64	128	20	1024	-	128
Spansion	S34ML01G1[1)]	V8.56.82	1/528	8	25	x1	2048	64	64	128	20	1024	CR	128
Hynix	H27U2G8F2C[1)]	V8.5.9	1/528	8	25	x1	2048	64	64	128	40	2048	CR,MP	256
Samsung	K9F2G08U0C[1)]	V8.34.51	1/528	8	25	x1	2048	64	64	128	40	2048	-	256
Spansion	S34ML02G1[1)]	V8.56.82	1/528	8	25	x1	2048	64	64	128	40	2048	CR,CP,MP	256
Spansion	S34ML04G1[1)]	V8.56.82	1/528	8	25	x1	2048	64	64	128	80	4096	CR,CP,MP	512
Toshiba	TC58NVG3S0FTAI0[1)]	V8.34.51	4/512	8	25	x1	4096	232	64	256	80	4096	CR,CP,MP	1024
Toshiba	TH58NVG4S0FTAK0	V8.34.51	4/512	8	25	x2	4096	232	64	256	160	8192	CR,CP,MP	2048
Samsung	K9GAG08U0M	V8.37.55	4/512	8	25	x1	4096	128	128	512	100	4096	MP	2048
Samsung	K9F4G08U0D	TBD	~ 2012/11/30	-	-	-	-	-	-	-	-	-	-	-

1) Android ICS doesn't support nand whose size is less than 2GB.

Terminology

TERM		Meaning
PpB		Pages per Block
Function	CP	Cache Program
	MP	Multiplane Program
	IL	Interleave
	EIL	External Interleave
	RAND	S/W Randomizer
	RR	Read Retry

Revision History

Date	Version	Description
2012-02-03	1.00	First Release
2012-03-09	1.01	Update Support NAND (H27U1G8F2B,H27U2G8F2C)
2012-04-02	1.02	Update Support NAND (H27UAG8T2B)
2012-05-10	1.03	Update Support NAND (K9F1G08U0D)
2012-08-22	1.04	Update Support NAND (TC58NVG3S0F, TH58NVG4S0F, TC58NVG4D2H, TC58NVG5D2H, TC58NVG6D2G, K9F2G08U0C, K9GAG08U0E, K9GBG08U0A, K9LCG08U0A, MT29F32G08CBACA, MT29F64G08CBAAA)
2012-10-09	1.05	Update Support NAND (K9GAG08U0M, THGVR1G5D1HTA00, THGVR1G6D1GTA00)
2012-11-06	1.06	Update Support NAND (S34ML01G1,S34ML02G1,S34ML04G1,MT29F64G08CBABA)

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