

TDK SSD Controller IC Flash Memory Compatibility List

2K Page SLC (128K Block)

	Part Number	Density (Gb)	Pages	Process	RA8	RS2
Samsung	K9F1G08U0D	1	64	42n	◎	◎*
	K9F2G08U0C	2	64	42n	◎	◎*
	K9F4G08U0D	4	64	42n	◎	◎
	K9K8G08U0D	8	64	42n	◎*	◎*
	K9WAG08U1D	16	64	42n	◎*	◎*
Hynix	H27U1G8F2B	1	64	48n	◎	◎
	H27U1G8F2C	1	64	32n		
	HY27UF082G2B	2	64	57n	◎*	◎*
	H27U2G8F2C	2	64	41n	◎*	◎*
	HY27UF084G2B	4	64	57n	◎	◎
	H27U4G8F2D	4	64	41n	◎	◎
	H27U4G8F2E	4	64	32n		
	HY27UG088G5D	8	64	41n		
Micron	MT29F2G08ABAEA	2	64	34n	◎	◎
	MT29F2G08ABAF A	2	64	25n		
	MT29F4G08ABADA	4	64	34n	◎	◎
	MT29F8G08ADADA	8	64	34n	◎*	◎*
Toshiba	TC58NVG0S3ETA00	1	64	43n	◎	◎
	TC58NVG1S3ETA00	2	64	43n	◎	◎
	TC58NVG2S3ETA00	4	64	43n	◎	◎
Macronix	MX30LF1G08AA	1	64	43n	◎*2	◎*2
Spansion	S34ML01G1	1	64		◎*	◎*
	S34ML02G1	2	64		◎*	◎
	S34ML04G	4	64		◎*	◎*

◎ : Compatible : It can support full performance of Flash.

space : Not yet tested

× : Not Compatible

* : Not tested.(Check by data sheet)

*1: Can not use copy back function

*2: Flash access cycle must be slow down

: Under development

TDK SSD Controller IC Flash Memory Compatibility List

4K Page

SLC (256K Block/512K Block)

	Part Number	Density (Gb)	Pages	Process	RA8	RS2	RS3
Micron	MT29F16G08ABACA	16	128	25n	◎*	◎	◎
	MT29F8G08ABACA	8	64	25n	◎*	◎*	◎*
	MT29F16G08ADACA	16	64	25n	◎*	◎*	◎*
Toshiba	TC58DVG3S0ETA00	8	64	43n	◎	◎	◎
	TH58DVG4S0ETA20	16	64	43n	◎	◎	◎
	TH58DVG5S0ETA20	32	64	43n	◎	◎	◎*
	TC58NVG3S0ETA00	8	64	43n	◎+*	◎+*	×
	TH58NVG4S0ETA20	16	64	43n	◎+	◎+	×
	TH58NVG5S0ETA20	32	64	43n	◎+*	◎+*	×
	TC58NVG2S0FTA00	4	64	32n	◎+	◎+	◎
	TC58NVG3S0FTA00	8	64	32n	◎+	◎+	◎
	TH58NVG4S0FTA20	16	64	32n	◎+	◎+	◎
	TH58NVG5S0FTA20	32	64	32n	◎+*	◎+*	◎

◎ : Compatible : It can support full performance of Flash.

△ : Compatible : Host inter face is bottle neck

space : Not yet tested

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: Under development

+: Manual setting recomend

TDK SSD Controller IC Flash Memory Compatibility List

4K Page

MLC (512K Block/1024K Block)

	Part Number	Density (Gb)	Pages	Process	RA8	RS2	RS3
Micron	MT29F32G08CBACA	32	256	25n	×	×	◎*
	MT29F64G08CEACA	64	256	25n	×	×	◎*
	MT29F64G08CFACA	64	256	25n	×	×	◎*
	MT29F128G08CXACA	128	256	25n	×	×	◎*

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space : Not yet tested

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: Under development

TDK SSD Controller IC Flash Memory Compatibility List

8K Page

SLC (512K Block/1024K Block)

	Part Number	Density (Gb)	Pages	Process	I/F	RS3
Samsung	K9FAG08U0M	16	64	32n	SDR	◎*
	K9KBG08U1M	32	64	32n	SDR	◎*
	K9WCG08U5M	64	64	32n	SDR	◎*
	K9QDG08U7M	128	64	32n	SDR	◎*
	K9QDG08U5M	128	64	32n	SDR	◎*
	K9KBGD8x1M	32	64	32n	Toggle	◎
	K9WCGD8x5M	64	64	32n	Toggle	◎
	K9QDGD8x5M	128	64	32n	Toggle	◎
Micron	MT29F32G08ABAAA	32	128	25n	ASYN	◎*
	MT29F64G08AFAAA	64	128	25n	ASYN	◎*
	MT29F128G08AJAAA	128	128	25n	ASYN	◎
	MT29F128G08AKAAA	128	128	25n	ASYN	◎*
	MT29F128G08AKCAB	128	128	25n	SYN	◎*
	MT29F256G08AUAAA	256	128	25n	ASYN	◎*
	MT29F256G08AUCAB	256	128	25n	SYN	◎*
Toshiba	TC58NVG4S2FTA	16	64	32n	SDR	◎
	TH58NVG5S2FTA	32	64	32n	SDR	◎
	TH58TVG5S2FBA	32	64	32n	DDR	◎
	TH58NVG6S2FTA	64	64	32n	SDR	◎
	TH58TVG6S2FBA	64	64	32n	DDR	◎
	TH58TVG7S2FTA	128	64	32n	SDR	◎
	TH58NVG7S2FBA	128	64	32n	DDR	◎
	TC58NVG5H2HTA	32	64	24n	SDR	◎
	TH58NVG6H2HTA	64	64	24n	SDR	◎
	TH58TEG6H2HBA	64	64	24n	DDR	◎
	TH58NVG7H2HTA	128	64	24n	SDR	◎
	TH58TEG7H2HBA	128	64	24n	DDR	◎
	TH58TEG8H2HBA	256	64	24n	DDR	◎

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TDK SSD Controller IC Flash Memory Compatibility List

8K Page

MLC (1024K Block/2048K Block)

	Part Number	Density (Gb)	Pages	Process	RS3
Samsung	K9GBG08U0B	32Gb	128	21n	×
	K9LCG08U0B	64Gb	128	21n	×
	K9HDG08U1B	128Gb	128	21n	×
	K9GBGD8U0B	32Gb	128	21n	×
	K9LCGD8U0B	64Gb	128	21n	×
	K9LCGD8x1B	64Gb	128	21n	×
	K9HDGD8x5B	128Gb	128	21n	×
	K9PFGD8x5B	256Gb	128	21n	×
Micron	MT29F64G08CBAAA	64Gb	256	25n	◎
	MT29F128G08CEAAA	128Gb	256	25n	◎*
	MT29F128G08CFAAA	128Gb	256	25n	◎*
	MT29F256G08CMAAA	256Gb	256	25n	◎*
	MT29F256G08CMCAB	256Gb	256	25n	◎*
	MT29F512G08CUAAA	512Gb	256	25n	◎*
	MT29F256G08CJAAA	256Gb	256	25n	◎*
Toshiba	TC58NVG4D2FTA00	16Gb	128	32n	◎
	TC58NVG5D2FTA00	32Gb	128	32n	◎
	TH58NVG6D2FTA20	64Gb	128	32n	◎
	TH58NVG7D2FTA20	128Gb	128	32n	◎
	TH58TxG6E2FBA49	64Gb	128	32n	◎*
	TH58TxG7E2FBA89	128Gb	128	32n	◎*
	TH58TxG8E2FBA89	256Gb	128	32n	◎*
	TC58NVG6D2GTA00	64Gb	256	24n	×
	TH58NVG7D2GTA20	128Gb	256	24n	×
	TC58NVG5D2HTA00	32Gb	128	24n	×
	TC58NVG6D2HTA00	64Gb	256	24n	×
	TH58NVG7D2HTA20	128Gb	256	24n	×
	TH58TVG7D2GBA4C	128Gb	256	24n	×
	TH58TVG8D2GBA8C	256Gb	256	24n	×
	TH58TEG6D2HBAxC	64Gb	128	24n	×
	TH58TEG7D2HBAxC	128Gb	256	24n	×
	TH58TEG8D2HBAxC	256Gb	256	24n	×
SK hynix	H27UAG8T2C	16Gb	256	20n	×
	H27UBG8T2C	32Gb	256	20n	×
	H27UCG8U5B	64Gb	256	26n	×
	H27UCG8T2A	128Gb	256	20n	×
	H27QCG8UDB	64Gb	256	26n	×
	H27QDG8VEB	128Gb	256	26n	×
	H27QEG8YEB	256Gb	256	26n	×
	H27UCG8T2C	64Gb	256	1xn	×
	H27UDG8T2M	128Gb	256	1xn	×

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