

Rockchip Solutions eMMC Support List

Ver 1.21

2015-11-04

◆ Revision History

Revision No.	History	Date
1.00	ORG	2011.1.24
1.01	1.Add Kingston KE44A-268N/4GB. 2.Testing result update .	2011.3.15
1.02	1.Add KLM8G2FEJA-A001, KLMAG4FEJA-A001 and SDIN4C2-16G	2011.8.29
1.03	1.Add KLM4G1EEHM-B101, KLM8G2EEHM-B101, KLMAG4EEHM-B101 , KLMBG8EEHM-B101 etc. 2.Add H26M3A001MMR, H26M21001DAR, H26M32001DAR etc.	2011.9.26
1.04	1.Add Sandisk SDIN5xx-xxG , THGBM4G7D2GBAIE and THGBM4G6D2HBAIR.	2011.10.20
1.05	1.Add Micron MTFC8GLTEA-WT and MTFC8GLSEA-IT.	2011.12.20
1.06	1.Add Samsung KLM2G1HE3F-B001 、 KLM4G1FE3A-A001 and KLM4G1FE3A-M001.	2012.2.2
1.07	1.Add RK30xx Chipset Support List. 2.Add NCEMBS41-04G 、 NCEMBS41-08G、 THGBM5G6A2JBAIR 、 THGBM5G7A2JBAIM and THGBM5G8A4JBAIM.	2012.8.9
1.08	1.Add REMMAMG2SOAA, REMMAMG3DOAA,THGBM5G5A1JBAIR, AE1DF04GAK-000MAA,AE1DE04GAK-000MAA,AE1DG08GAK-000MAA,AE1DG16GBK-000MAA,AE1DD08GAK-000MAC,AE1DD16GBK-000MAC and AE1DD32GCK-000MAC	2012.11.8
1.09	1. Add RK316X and RK318X SupportList. 2. Add T/A test status. 3. Add SDIN7DU2-8G,SDIN7DU2-16G,SDIN7DU2-32G,SDIN7DU2-64G, KE4CN3K6A, KE4CN4K6A, KE4CN5B6A , KE4CN6C6A,MTFC4GLWAM-WT, MTFC8GLWAM-WT, H26M42003GMR, NCEMBS61-08G, NCEMBS61-16G,Etc.	2013.4.15
1.10	1. Add H26M42003GMR , H26M54003EMR , H26M68003DCR,KLM8G1GEAC-B001 , KLMAG2GEAC-B001 , KLMBG4GEAC-B001 , KLMCG8GEAC-B001 , etc.	2013.8.15

1.11	1. Add H26M52003EQR , KLM8G1GEAC-B001 , KLMAG2GEAC-B001 , KLMBG4GEAC-B001 , KLMCG8GEAC-B001 , BWCMB-16G , BWAMGTB11A08G , BWAMGTB21A16G , BWAMGTB41A32G , etc.	2013.11.15
1.12	1. Add MC0M08M1L0AA and MC0M16M2L0AA. 2. Add RK3026 and RK3028A SupportList.	2014.02.15
1.13	1. Add KLM8G1WEMB-B031,KLMAG2WEMB-B031,KLMBG4WEBC-B031,KLMCG8WEBC-B031, H26M41103HPR, H26M52103FMR, H26M64103EMR,H26M78103CCR,etc . 2. Add RK32xx SupportList.	2014.06.15
1.14	1. Add MTFC4GACAAAM-1M WT,MTFC8GACAAAM-1M WT,MTFC16GAKAECN-2MWTES, THGBMBG6D1KBAIL, THGBMAG6A2JBAIR, THGBMAG6A2JBAIR,THGBMBG8D4KBAIR,THGBM9G8T4KBAIR,SDIN8DE1-8G,SDIN8DE2-8GB,SDIN8DE2-16GB,SDIN8DE4-32G, SDIN8DE4-64G,SDIN9DW4-16G,SDIN9DW4-32G,SDIN9DW4-64G,H26M64103EMR,H26M78103CCR,KLMAG2WEPD-B031, KLM8G1WEPD-B031,KLMAG2GEND-B031,KLMBG4GEND-B031,eMMC8G-V100,eMMC16G-V100,NCEFEH58-08G,NCEFEH58-16G, NCEFEH58-32G,NCEFEH58-04G,NCEFEH58-08G,NCEFB598-16G,BWAMGIA21C16GR,KMZ5500FS-UZb1-SA,KMZ0500FS-UZb1-SA, AVEC008G-FA6,AVEC0016G-FA6,EMS1ASCBT1FC008,EMS1ASCBT2FC016,AVEC008G-FA6,DTA11CA-8GB,DTA11CA-16GB,etc . 2. Add RK3036 and RK312X SupportList.	2014.10.15
1.15	1. Corrected SanDisk SDIN9DW4-16G,SDIN9DW4-32G,SDIN9DW4-64G support status. These eMMC VCCQ only support 1.8V.	2014.12.01
1.16	1. Add eMMC32G-S100	2015.01.05
1.17	1. Add RK3368 SupportList. 2. Add THGBMBG5D1KBAIL,THGBM9G9T8KBAIG,SDIN9DS2-32G,SDIN9DS2-16G,KLMBG4WEBD-B031,KLMCG8WEBD-B031,etc	2015.04.13
1.18	1. Add THGBMFG6C1LBAIL,THGBMFG7C1LBAIL,THGBMFG7C2LBAIL,THGBMFG8C2LBAIL,THGBMFG8C4LBAIL,SDIN9DS2-8G,H26M41103HPR,L,S404100081B1B1W00, S404100161B1B1W01,EM100C-008GT-SS,EM100C-016GT-SS, etc	2015.06.03
1.19	1. Add RKNanoC and RKNanoD SupportList	2015.07.01
1.20	1. Update RKNanoD SupportList	2015.08.28
1.21	1. Corrected RKNanoC and RKNanoD SupportList. RKNanoC and RKNanoD cann't support capacity greater than 32GB eMMC now.	2015.11.04

◆ Symbol

Symbol	Description
√	Fully Tested , Applicable and Mass Production
T/A	Fully Tested , Applicable and Ready for Mass Production
D/A	Datasheet Applicable,Need Sample to Test.
N/A	Not Applicable

◆ Note

1. The lifetime of TLC type eMMC is lower than the MLC type eMMC. If you care the lifetime of TLC type eMMC in your product, please contact eMMC vendor for lifetime information.

5

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK32XX	RK316X RK318X	RK3036 RK312X	RK3368	RKNano C	RKNano D	Remark	
Toshiba	THGBM5G5A1JBAIR	32Gb MLC x 1	4GB	19nm	4.41	11.5 x 13	D/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBM5G6A2JBAIR	32Gb MLC x 2	8GB	19nm	4.41	11.5 x 13	T/A	√	D/A	D/A	D/A	D/A		
Toshiba	THGBM5G7A2JBAIM	64Gb MLC x 2	16GB	19nm	4.41	12x16	D/A	D/A	D/A	D/A	D/A	D/A		
Toshiba	THGBM5G8A4JBAIM	64Gb MLC x 4	32GB	19nm	4.41	12x16	D/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBM5G9B8JBAIE	64Gb MLC x 8	64GB	19nm	4.41	12x16	D/A	D/A	D/A	D/A	N/A	N/A		
Toshiba	THGBM5G7A2JBAIR	64Gb MLC x 2	16GB	19nm	4.41	11.5 x 13	D/A	√	D/A	D/A	D/A	D/A		
Toshiba	THGBMBG7D2KBAIL	64Gb MLC x 2	16GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A		
Toshiba	THGBMBG9D8KBAIL	64Gb MLC x 8	64GB	19Anm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	N/A	N/A		
Toshiba	THGBMAG5A1JBAIR	32Gb MLC x 1	4GB	19Anm	4.51	11.5 x 13	T/A	T/A	T/A	D/A	D/A	D/A		
Toshiba	THGBMBG6D1KBAIL	64Gb MLC x1	8GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMAG6A2JBAIR	64Gb MLC x1	8GB	19Anm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMBG5D1KBAIL	64Gb MLC x1	8GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A		
Toshiba	THGBMBG8D4KBAIR	64Gb MLC x4	32GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMBG7D2KBAIL	64Gb MLC x 2	16GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBM9G8T4KBAIR	64Gb TLC x4	32GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
Toshiba	THGBM9G9T8KBAIG	64Gb TLC x8	64GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A	note 1.	
Toshiba	THGBMFG6C1LBAIL	64Gb MLC x1	8GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	D/A	T/A		
Toshiba	THGBMFG7C1LBAIL	128Gb MLC x1	16GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMFG7C2LBAIL	64Gb MLC x2	16GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	D/A	T/A		
Toshiba	THGBMFG8C2LBAIL	128Gb MLC x2	32GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	D/A	T/A		
Toshiba	THGBMFG8C4LBAIR	64Gb MLC x4	32GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	D/A	D/A	T/A		

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK32XX	RK316X RK318X	RK3036 RK312X	RK3368	RKNano C	RKNano D	Remark	
SanDisk	SDIN7DU2-8G	64Gb MLC	8GB	19nm	4.41	11.5 x 13	T/A	√	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DU2-16G	64Gb MLC x 2	16GB	19nm	4.41	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DU2-32G	64Gb MLC x 4	32GB	19nm	4.41	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DU2-64G	64Gb MLC x 8	64GB	19nm	4.41	11.5 x 13	D/A	D/A	D/A	D/A	N/A	N/A		
SanDisk	SDIN7DP2-4G	32Gb MLC x 1	4GB	19nm	4.5	11.5 x 13	D/A	√	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DP2-8G	32Gb MLC x 2	8GB	19nm	4.5	11.5 x 13	D/A	√	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DP4-16G	32Gb MLC x 4	16GB	19nm	4.5	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DP4-32G	64Gb MLC x 4	32GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN7DP4-64G	64Gb MLC x 8	64GB	19nm	4.5	11.5 x 13	D/A	D/A	D/A	D/A	N/A	N/A		
SanDisk	SDIN8DE4-16G	64Gb MLC x 2	16GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DR1-8G	64Gb TLC x 1	8GB	A19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
SanDisk	SDIN8DR1-16G	64Gb TLC x 2	16GB	A19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
SanDisk	SDIN8DE1-8G	64Gb MLC x 1	8GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE2-8GB	32Gb MLC x 2	8GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE2-16GB	64Gb MLC x 2	16GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE4-32G	64Gb MLC x 4	32GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE4-64G	64Gb MLC x 8	64GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A		
SanDisk	SDIN9DW4-16G	64Gb MLC x 2	16GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	
SanDisk	SDIN9DW4-32G	64Gb MLC x 4	32GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	
SanDisk	SDIN9DW4-64G	64Gb MLC x 8	64GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	
SanDisk	SDIN9DS2-32G	64Gb TLC x 4	32GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	
SanDisk	SDIN9DS2-16G	64Gb TLC x 2	16GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	
SanDisk	SDIN9DS2-8G	64Gb TLC x 1	8GB	A19nm	5.0	11.5 x 13	T/A	N/A	N/A	D/A	N/A	N/A	VCCQ : only 1.8V	

8

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK32XX	RK316X RK318X	RK3036 RK312X	RK3368	RKNano C	RKNano D	Remark	
Samsung	KLM8G1GEAC-B001	64Gb MLC x 1	8GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMAG2GEAC-B001	64Gb MLC x 2	16GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMBG4GEAC-B001	64Gb MLC x 4	32GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMCG8GEAC-B001	64Gb MLC x 8	64GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A		
Samsung	KLM8G1GEAC-B031	64Gb MLC x 1	8GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	T/A	D/A	D/A		
Samsung	KLMAG2GEAC-B031	64Gb MLC x 2	16GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMBG4GEAC-B031	64Gb MLC x 4	32GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMCG8GEAC-B031	64Gb MLC x 8	64GB	19nm	5.0	11.5 x 13	D/A	D/A	D/A	D/A	N/A	N/A		
Samsung	KLM8G1WEMB-B031	64Gb TLC x 1	8GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
Samsung	KLMAG2WEMB-B031	64Gb TLC x 2	16GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
Samsung	KLMBG4WEBC-B031	64Gb TLC x 4	32GB	19nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMCG8WEBC-B031	64Gb TLC x 8	64GB	19nm	5.0	11.5 x 13	D/A	D/A	D/A	D/A	N/A	N/A		
Samsung	KLM8G1WEPD-B031	64Gb TLC x 1	8GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	note 1.	
Samsung	KLMAG2WEPD-B031	64Gb TLC x 2	16GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A	note 1.	
Samsung	KLMBG4WEBD-B031	64Gb TLC x 4	32GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A		
Samsung	KLMCG8WEBD-B031	64Gb TLC x 8	64GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A		
Samsung	KLM8G1GEND-B031	64Gb MLC x 1	8GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A		
Samsung	KLMAG2GEND-B031	64Gb MLC x 2	16GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A		
Samsung	KLMBG4GEND-B031	64Gb MLC x 4	32GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A		
Samsung	KLMCG8GEND-B031	64Gb MLC x 8	64GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A		
Samsung	KLMDGAWEBD-B031	64Gb TLC x 16	128GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	N/A	N/A		

10

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使用2014/10/30
以後之量產工具
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