

Rockchip Solutions eMMC Support List

Ver 1.29

2016-08-05

◆ Revision History

Revision No.	History	Date
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	<p>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,NCEFEH58-16G,BWAMGIA21C16GR,KMZ5500FS-UZb1-SA,KMZ0500FS-UZb1-SA, AVEC008G-FA6,AVEC0016G-FA6,EMS1ASCBT1FC008,EMS1ASCBT2FC016,AVEC008G-FA6,DTA11CA-8GB,DTA11CA-16GB,etc .</p> <p>2. Add RK3036 and RK312XSupportList.</p>	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	<p>1. Add RK3368 SupportList.</p> <p>2. Add THGBMBG5D1KBAIL,THGBM9G9T8KBAIG,SDIN9DS2-32G,SDIN9DS2-16G,KLMBG4WEBD-B031,KLMCG8WEBD-B031,etc</p>	2015.04.13
1.18	1. Add THGBMFG6C1LBAIL,THGBMFG7C1LBAIL,THGBMFG7C2LBAIL,THGBMFG8C2LBAIL,THGBMFG8C4LBAIL,SDIN9DS2-8G,H26M41103HPR, S404100081B1B1W00, S404100161B1B1W01,EM100C-008GT-SS,EM100C-016GT-SS, etc	2015.06.10
1.19	1. Add NCEFEM48-04G etc	2015.07.01
1.20	1. Update RK3368 SupportList	2015.09.06
1.21	1. Add RK3228 SupportList	2015.12.15
1.22	1. Add MTFC8GLCDM-1M WT.	2015.12.28
1.23	1. Add BWATGSC11C08G, NCEFAT28-08G, H26T55001FPR, THGBMBG7D2KBAIL, KLM8G1GEND-B031, KLMCG8GEND-B031, THGBMFG8C4LBAIR, NCEMAH59-16G, REMKDM104GSBB, REMKDM308GSBB, GD9E4MOOYNI, SP18A8G752-8GB	2016.01.15
1.24	<p>1. RK32XX -> RK328X</p> <p>2. Add RKPX3 and RKPX2</p> <p>3. Add MTFC4GACAJCN-1M WT, MTFC8GAKAJCN-1M WT, THGBMDG5D1LBAIL , KLM4G1FEPD-B031 , EMMC16G-M525 , EMMC32G-M525 and EMMC64G-M525.</p>	2016.02.25
1.25	1. Add THGBMHG6C1LBAIL , THGBMHG7C1LBAIL , THGBMHG7C2LBAIL , THGBMHG8C4LBAIR and THGBMHG9C4LBAIR.	2016.03.15
1.26	1. Add THGBMHG8C2LBAIL,H26M41204HPR, H26M52208FPR, H26M64208EMR, H26M78208CMR, KLM8G1GEME-B041, KLMAG1JENB-B041, KLMBG2JENB-B041, NCEMBD39-16G, REMSAT408GSBB, REMSAT416GDBB, BWATGSC21C16G, BWAMDIC21C32G, MC1M04M1L3AB, MC1M08M2L3AB, MC1M16M4L3AB, MC1M16M4L3AB, SE2HB08GH1, SE2HB0AGH1, SE2HB0BGH1, SE2HB08GS1	2016.05.04

1.27	1. Add EMMC08G-M325.	2016.06.22
1.28	1. Add BWCTGSC21G32G.	2016.07.29
1.29	1. Add KLMCG4JENB-B041, KLMDG4JENB-B041 and EMMC04G-M627. 2. Add RK3399.	2016.08.05

◆ 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.

[illegible]

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK312X	RK3036 RK312X	RK3368	RK3066 RK312X	RK322X	RK3399	RK3026 RK3028A	Remark	
Toshiba	THGBM5G5A1JBAIR	32Gb MLC x 1	4GB	19nm	4.41	11.5 x 13	D/A	T/A	D/A	D/A	T/A	D/A	D/A	D/A		EOL
Toshiba	THGBM5G6A2JBAIR	32Gb MLC x 2	8GB	19nm	4.41	11.5 x 13	T/A	✓	D/A	D/A	T/A	D/A	D/A	D/A		EOL
Toshiba	THGBM5G7A2JBAIM	64Gb MLC x 2	16GB	19nm	4.41	12x16	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		EOL
Toshiba	THGBM5G8A4JBAIM	64Gb MLC x 4	32GB	19nm	4.41	12x16	D/A	T/A	D/A	D/A	T/A	D/A	D/A	D/A		EOL
Toshiba	THGBM5G9B8JBAIE	64Gb MLC x 8	64GB	19nm	4.41	12x16	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		EOL
Toshiba	THGBM5G7A2JBAIR	64Gb MLC x 2	16GB	19nm	4.41	11.5 x 13	D/A	✓	D/A	D/A	T/A	D/A	D/A	T/A		EOL
Toshiba	THGBMBG7D2KBAIL	64Gb MLC x 2	16GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	T/A	T/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	D/A	D/A	D/A	D/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	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	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	D/A	D/A		
Toshiba	THGBMBG5D1KBAIL	64Gb MLC x1	4GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMBG8D4KBAIL	64Gb MLC x4	32GB	19Anm	5.0	11.5 x 13	T/A	T/A	D/A	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	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	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	D/A	T/A	D/A	D/A	note 1.	
Toshiba	THGBMFG6C1LBAIL	64Gb MLC x1	8GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	T/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMFG7C1LBAIL	128Gb MLC x1	16GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	T/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	T/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMFG8C2LBAIL	128Gb MLC x2	32GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	T/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMFG8C4LBAIL	64Gb MLC x4	32GB	15nm	5.0	11.5 x 13	T/A	D/A	D/A	T/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMDG5D1LBAIL	32Gb MLC x 1	4GB	15nm	5.0	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMHG6C1LBAIL	64Gb MLC x1	8GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMHG7C1LBAIL	128Gb MLC x1	16GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
Toshiba	THGBMHG7C2LBAIL	64Gb MLC x2	16GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	T/A	D/A		
Toshiba	THGBMHG8C4LBAIL	64Gb MLC x4	32GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	T/A	D/A		
Toshiba	THGBMHG9C4LBAIL	128Gb MLC x4	64GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		
Toshiba	THGBMHG8C2LBAIL	128Gb MLC x2	32GB	15nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK31X3	RK3036 RK312X	RK3368	RK3066 RK31X2	RK322X	RK3399	RK3026 RK3028A	Remark	
SanDisk	SDIN7DU2-8G	64Gb MLC	8GB	19nm	4.41	11.5 x 13	T/A	✓	D/A	D/A	✓	D/A	D/A	T/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	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	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	D/A	D/A	D/A	D/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	T/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	T/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	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	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	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE4-16G	64Gb MLC x 2	16GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	T/A	D/A	D/A	T/A		
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	D/A	D/A		
SanDisk	SDIN8DE2-8G	32Gb MLC x 2	8GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A		
SanDisk	SDIN8DE2-16G	64Gb MLC x 2	16GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/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	T/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	D/A	D/A	D/A	D/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	T/A	D/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	D/A	D/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	D/A	D/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	T/A	N/A	D/A	D/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	T/A	N/A	D/A	T/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	T/A	N/A	T/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADB4-64G	64Gb TLC x 8	64GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	T/A	N/A	D/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADB4-32G	64Gb TLC x 4	32GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	T/A	N/A	D/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADB4-16G	64Gb TLC x 2	16GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	T/A	N/A	T/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADF4-64G	64Gb TLC x 8	64GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	D/A	N/A	D/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADF4-32G	64Gb TLC x 4	32GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	D/A	N/A	D/A	D/A	N/A	VCCQ : only 1.8V	
SanDisk	SDINADF4-16G	64Gb TLC x 2	16GB	A19nm	5.0	11.5 x 13	D/A	N/A	N/A	D/A	N/A	T/A	T/A	N/A	VCCQ : only 1.8V	

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK312X	RK3036 RK312X	RK3368	RK3066 RK312X	RK322X	RK3399	RK3026 RK3028A	Remark	
SKhynix	H26M31003GMR	32Gb MLC x 1	4GB	20nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	T/A	D/A	D/A	D/A		
SKhynix	H26M42003GMR	32Gb MLC x 2	8GB	20nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	T/A	D/A	D/A	D/A		
SKhynix	H26M54003EMR	32Gb MLC x 4	16GB	20nm	4.5	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		
SKhynix	H26M68003DCR	32Gb MLC x 8	32GB	20nm	4.5	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		
SKhynix	H26M52003EQR	64Gb MLC x 2	16GB	20nm	4.5	16 x 12	T/A	T/A	D/A	D/A	T/A	D/A	D/A	D/A		
SKhynix	H26M41103HPR	64Gb MLC x 1	8GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	T/A	D/A	D/A	T/A		
SKhynix	H26M52103FMR	64Gb MLC x 2	16GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	T/A	D/A	D/A	T/A		
SKhynix	H26M64103EMR	64Gb MLC x 4	32GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A	D/A	D/A		
SKhynix	H26M78103CCR	64Gb MLC x 8	64GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A		
SKHynix	H26M41103HPRL	64Gb MLC x 1	8GB	16nm	5.0	11.5 x 13	T/A	D/A	D/A	T/A	D/A	T/A	D/A	D/A		
SKHynix	H26T55001FPR	64Gb TLC x 2	16GB	16nm	5.0	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A	note 1.	
SKHynix	H26M41204HPR	64Gb MLC x 1	8GB	16nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
SKHynix	H26M52208FPR	64Gb MLC x 2	16GB	16nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
SKHynix	H26M64208EMR	64Gb MLC x 4	32GB	16nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
SKHynix	H26M78208CMR	64Gb MLC x 8	64GB	16nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		

Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK312X	RK3036 RK312X	RK3368	RK3066 RK312X	RK322X	RK3399	RK3026 RK3028A	Remark	
Samsung	KLM8G1GEAC-B001	64Gb MLC x 1	8GB	19nm	4.5	11.5 x 13	T/A	T/A	D/A	D/A	T/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	T/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	T/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	T/A	D/A	D/A	D/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	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	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	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	D/A	D/A	D/A	D/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	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	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	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	D/A	D/A	D/A	D/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	T/A	T/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	T/A	D/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	D/A	D/A		
Samsung	KLMCG8WEBD-B031	64Gb TLC x 8	64GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A	D/A	D/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	D/A	D/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	T/A	D/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	T/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	D/A	T/A	D/A	D/A		
Samsung	KLMDGAWEBD-B031	64Gb TLC x 16	128GB	16nm	5.0	11.5 x 13	T/A	T/A	D/A	D/A	D/A	T/A	D/A	D/A		
Samsung	KLM4G1FEPD-B031	32Gb MLC x 1	4GB	16nm	5.0	11.5 x 9	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
Samsung	KLM8G1GEME-B041	64Gb MLC x 1	8GB	14nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		
Samsung	KLMAG1JENB-B041	128Gb MLC x 1	16GB	14nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	T/A	D/A		
Samsung	KLMBG2JENB-B041	128Gb MLC x 2	32GB	14nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	T/A	D/A		
Samsung	KLMCG4JENB-B041	128Gb MLC x 4	64GB	14nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		
Samsung	KLMDG8JENB-B041	128Gb MLC x 8	128GB	14nm	5.1	11.5 x 13	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		

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Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK312X	RK3036 RK312X	RK3368	RK3066 RK312X	RK322X	RK3399	RK3026 RK3028A	Remark	
FORESEE	NCTSTS86-04G	32Gb TLC x 1	4GB	21nm	SD2.0	12 x 20	D/A	√	D/A	D/A	N/A	D/A	D/A	D/A	note 1.	
FORESEE	NCTSTS76-08G	64Gb TLC x 1	8GB	21nm	SD2.0	12 x 20	D/A	D/A	D/A	D/A	N/A	D/A	D/A	D/A	note 1.	
FORESEE	NCFSES86-04G	32Gb TLC x 1	4GB	21nm	SD2.0	11.5x13.5	D/A	√	D/A	D/A	N/A	D/A	D/A	D/A	note 1.	
FORESEE	NCFSES76-08G	64Gb TLC x 1	8GB	21nm	SD2.0	11.5x13.5	D/A	D/A	D/A	D/A	N/A	D/A	D/A	D/A	note 1.	
FORESEE	NCEFES86-04G	32Gb TLC x 1	4GB	21nm	4.41	11.5x13.5	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
FORESEE	NCEFES76-08G	64Gb TLC x 1	8GB	21nm	4.41	11.5x13.5	D/A	√	D/A	D/A	√	D/A	D/A	D/A	note 1.	
FORESEE	NCEFES76-16G	64Gb TLC x 2	16GB	21nm	4.41	11.5x13.5	D/A	√	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
FORESEE	NCEFEH58-08G	64Gb MLC x 1	8GB	16nm	4.51	11.5x13.5	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A		
FORESEE	NCEFEH58-16G	64Gb MLC x 2	16GB	16nm	4.51	11.5x13.5	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A		
FORESEE	NCEFEH58-32G	64Gb MLC x 4	32GB	16nm	4.51	11.5x13.5	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A		
FORESEE	NCEFES88-04G	32Gb TLC x 1	4GB	21nm	4.51	11.5x13.5	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
FORESEE	NCEFES78-08G	64Gb TLC x 1	8GB	21nm	4.51	11.5x13.5	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
FORESEE	NCEFB598-16G	128Gb TLC x 1	16GB	16nm	4.51	12 x 16	T/A	T/A	D/A	D/A	D/A	T/A	D/A	D/A	note 1.	
FORESEE	NCEMAH59-16G	64Gb MLC x 2	16GB	16nm	5.0	11.5x13	T/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		HS200
FORESEE	NCEMAH59-32G	64Gb MLC x 4	32GB	16nm	5.0	11.5x13	T/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		HS200
FORESEE	NCEMBS99-16G	128Gb TLC x 1	16GB	16nm	5.0	12 x 16	T/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A	note 1.	HS200
FORESEE	NCEMBS99-32G	128Gb TLC x 2	32GB	16nm	5.0	12 x 16	T/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		HS200
FORESEE	NCEFEM48-04G	32Gb MLC x 1	4GB	20nm	4.51	11.5x13.5	D/A	D/A	T/A	D/A	D/A	D/A	D/A	D/A		
FORESEE	NCEFAT28-08G	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	D/A	D/A	T/A	T/A	D/A	T/A	D/A	D/A	note 1.	
FORESEE	NCEMBSF9-16G	128Gb TLC x 1	16GB	16nm	5.0	12 x 16	D/A	D/A	D/A	T/A	D/A	D/A	D/A	D/A	note 1.	HS200
FORESEE	NCEMASD9-08G	64Gb TLC x 1	8GB	16nm	5.0	11.5x13	D/A	D/A	T/A	T/A	D/A	T/A	D/A	D/A	note 1.	HS200
FORESEE	NCEMBD39-16G	128Gb MLC x 1	16GB	16nm	5.0	12 x 16	D/A	D/A	D/A	D/A	D/A	D/A	D/A	D/A		HS200
FORESEE	NCEMBSF9-32G	128Gb TLC x 2	32GB	16nm	5.0	12 x 16	D/A	D/A	D/A	D/A	D/A	T/A	D/A	D/A		HS200

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Manufacturer	Part Number	Device Size (bits)	Byte Size	Process	Version	PKG size (mm)	RK328X	RK316X RK318X RK312X	RK3036 RK312X	RK3368	RK3066 RK312X	RK322X	RK3399	RK3026 RK3028A	Remark	
AcSip	NCMMCS08G	64Gb TLC x 1	8GB	19nm	4.51	12 x 16	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用 2014/10/30 以後之量產 工具 (PDT)
AcSip	NCMMCS16G	64Gb TLC x 2	16GB	19nm	4.51	12 x 16	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
AcSip	NCMMA08G	64Gb TLC x 1	8GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
AcSip	NCMMA16G	64Gb TLC x 2	16GB	19nm	4.51	11.5 x 13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
sdevices	C2A113DT40	64Gb TLC x 1	8GB	19nm	4.51	12 x 16	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
sdevices	C2A123DT40	64Gb TLC x 2	16GB	19nm	4.51	12 x 16	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
Leahkinn	KMZ5500FS-UZb1-SA	64Gb TLC x 2	16GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
Leahkinn	KMZ0500FS-UZb1-SA	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
AVEXIR	AVEC008G-FA6	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
AVEXIR	AVEC0016G-FA6	64Gb TLC x 2	16GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
Fastable	EM100C-008GT-SS	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
Fastable	EM100C-016GT-SS	64Gb TLC x 2	16GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
BARUN	BEM08S1B60XA-A3CT	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
EUDAR	EMS1ASCBT1FC008	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
EUDAR	EMS1ASCBT2FC016	64Gb TLC x 2	16GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	
DASIMA	DTA11CA-8GB	64Gb TLC x 1	8GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	使用2014/10/30 以後之量產工具 (PDT)
DASIMA	DTA11CA-16GB	64Gb TLC x 2	16GB	19nm	4.51	11.5x13	T/A	T/A	D/A	D/A	D/A	D/A	D/A	D/A	note 1.	

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