

# Rockchip Solutions DDR SDRAM Support List

**Ver 2.53**

**2022/5/30**

# NOTICE

## ◆ Symbol

Symbol	Description
√	Fully Tested and Mass production
T/A	Sample Tested and Applicable, Applicable and Ready for Mass Production
S/A	The Samples have Passed the Test. However, the Platform Compatibility Test is also required before Mass Production.
N/A	Not Applicable
Empty	Not be evaluated

- ◆ The DRAM Part Number usually consists of two parts divided by '-', the first part contains memory type, density, organization, package, and the second part usually means data rate. It should be noticed that some vendor like ESMT, RAYSON, CXMT, BIWIN, Kingston, Forsee, Goldkey, the second part contains other important information. We don't care about the part represented of data rate.
- ◆ RockChip platform can support all the chips that match the first part of Part Number which marks '√', 'T/A' or 'S/A', and do not need to care the second part.  
If you want your system running more effective, you may need to find out the exact data rate in DRAM datasheet and config in kernel menuconfig.
- ◆ Please copy the Rockchip reference design model of DRAM area PCB Layout directly without any modification and follow the PCB layout rules from Rockchip. Contact information: fae@rock-chips.com
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## ◆Application Note:

[1] Because lack of Address pin A15 in package, following SoCs do not support the 512M\*8 DDR3: RK2906-6,RK2906-8,RK3066.

[2] Only support for RK3128.

[3] The DRAM's VDD and VDDQ should powered by 1.5V when it used on these SoCs.

[4] It can work stably on RK3399 with loader version `rk3399_ddd_XXXMHz_v1.22.bin` and trust version `rk3399_bl31_v1.28.elf`. On RK3399pro, loader should be updated to `rk3399pro_ddd_XXXMHz_v1.22.bin`, trust version should be updated to `rk3399pro_bl31_v1.28.elf`. Or the later version than all above.

[5] Only after week code **1937** (means 2019, week 37th) can be used, the product with early week code may cause system crash or unstable.



week code

[6] The DDR must be boot from 400Mhz, please use `XXXX_ddd_400MHz_vX.XX.bin` to merge loader.

[7] On RK3568/RK3566, loader should be updated to `rk3568_ddd_dddMHz_v1.09.bin` / `rk3566_ddd_dddMHz_v1.09.bin` or later version.

[8] Only after week code **2101** (means 2021, week 01th) can be used, the product with early week code may cause system crash or unstable.



week code

[9] Only after week code **2118** (the third row, first four numbers means 2021, week 18th) can be used, the product with early week code may cause system crash or unstable.



week code

[10] Only after week code **022** (the fourth row, first three numbers means 2020, week 22th) can be used, the product with early week code may cause system crash or unstable.

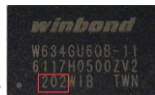


week code

[11] For LPDDR4 and LPDDR4X unified product, platform only approve LPDDR4 mode, not guarantee LPDDR4X mode can work stably. So VDDQ must provide 1.1V not 0.6V.

[12] For LPDDR4X mode, the DDR bin need update to V1.13 or later version.

[13] Only after week code **201** (the fourth row, first three numbers means 2022, week 2nd) can be used, the product with early week code may cause crash.



week code

[14] At the speed of 4266Mbps, it exists unfixable issues.

## ◆The Latest Reference Circuits Version

Chip	DRAM Support Type	RK Reference Circuit Version
RK281x	DDR2	RK2818_REF_V1.3
RK2906	DDR2/DDR3/DDR3L	RK2906_PMIC_REF_V20_0418
RK2918	DDR2/DDR3/DDR3L	RK2918_REF_V13_20110517
RK2926/RK3026	DDR3/DDR3L	2926_86v_v1.2_20121109
RK2928/RK3028/RK3028A	DDR3/DDR3L	RK2928-DDR3P208SD4-V10-20120712LX.pcb
RK3066	DDR3/DDR3L/LPDDR2	RK3066_REF_TP5659102_V12_20121024_1CELL
PX2	DDR3/DDR3L/LPDDR2	PX2_CAR_V11.pcb
RK3168/RK3188	DDR3/DDR3L/LPDDR2	RK3188-DDR3P4165S4-V10-20130607WF.pcb
RK3126	DDR3/DDR3L	2926_86v_v1.2_20121109
RK3128	DDR3/DDR3L/LPDDR2	RK3128-DDR3P216SD4-V10-20140912HJH.pcb
RK3288	DDR3/DDR3L/LPDDR2/LPDDR3	RK3288-DDR3P416SD6-V11-20140305HJH
RK3368	DDR3/DDR3L/LPDDR2/LPDDR3	R88(RK3368)_V01_20150313
RK3036	DDR3/DDR3L	RK3036_SDK_V1.0_20140528
RK3036G	DDR3/DDR3L	DONGLE_RK3036-G_20150408J.pcb
RK3228A/RK3228B/RK3229	DDR3/DDR3L/LPDDR2/LPDDR3	RK3228A_BOX_R88_DISCRETEPOWER_DDR3P216SD4_V1.0_20151129.pcb
PX3	DDR3/DDR3L/LPDDR2	RK_SDK_MAIN_PX3_CAR_V10_20160607
RK3399	DDR3/DDR3L/LPDDR3/LPDDR4	RK3399_VR&Tablet_V10_20160620
PX5	DDR3/DDR3L/LPDDR2/LPDDR3	RK_SDK_MAIN_PX5_CAR_V10_20160714_CGC
RK3228H	DDR3/DDR3L/DDR4/LPDDR3	RK_Demo_RK3228H_BOX_RK805-1_DDR3P216SD2_V02_20161128
RK3328	DDR3/DDR3L/DDR4/LPDDR3	RK_EVB_RK3328_BOX_RK805-1_DDR3P416DD6_V11_20161116
RV1108	DDR3/DDR3L/DDR2/LPDDR2	RK_EVB_MAINBOARD_RV1108_V12_20160930
PX3-SE	DDR3/DDR3L/LPDDR2	RK_SDK_MAIN_PX3SE_CAR_V11
RK3326	DDR3/DDR3L/DDR4/LPDDR2/LPDDR3	RK_EVB_RK3326_LP3S178P132SD4_V11_20180301FZB
RK3326S	DDR3/DDR3L/DDR4/LPDDR3/LPDDR4	RK_EVB_PX30-S_DDR3P416DD6_V10_20210629KYY
PX30	DDR3/DDR3L/DDR4/LPDDR2/LPDDR3	RK_EVB_PX30_DDR4P416DD6_V10_20180301_FZB
RK3308	DDR3/DDR3L/DDR2/LPDDR2	RK_EVB_RK3308_DDR3P116SD4_V10_20180301
RK3399PRO	DDR3/DDR3L/LPDDR3/LPDDR4	RK3399Pro_Layout_Template_LP3S178P232_LP3S178P132_SD8_V10_20181120
RK1808/RK1806	DDR3/DDR3L/LPDDR3/DDR4	RK_EVB_RK1808_DDR3P216SD6_V10_2018-09-07_VWQ
RV1126/RV1109	DDR3/DDR3L/DDR4/LPDDR3/LPDDR4	RV1126/1109_EVB_DDR3216SD6_v10_20191219LXF
RK3566/RK3568	DDR3/DDR3L/DDR4/LPDDR4	RK_EVB1_RK3568_DDR4P216SD6_V10_20200908GXL
RK3588	LPDDR4/LPDDR5	RK_EVB1_RK3588_LP4XD20P232SD10H1_V10_2021-08-16_LINT

## ◆ Revision History

Revision No.	History	Date
2.00	ORG.	2012.12.24
2.01	Add some supporting messages	2013.01.28
2.02	Add some supporting messages	2013.05.17
2.03	Add some supporting messages	2013.10.07
2.04	Add some supporting messages	2014.01.08
2.05	Add some supporting messages	2014.03.21
2.06	Add some supporting messages	2014.05.09
2.07	Add some supporting messages	2014.06.10
2.08	Add some supporting messages	2014.09.16
2.09	Add some supporting messages	2015.03.16
2.10	Add some supporting messages	2015.04.13
2.11	Add some supporting messages	2015.05.06
2.12	Add some supporting messages	2015.07.17
2.13	Add some supporting messages	2015.10.10
2.14	Add some supporting messages	2015.12.17
2.15	Add some supporting messages	2016.03.01
2.16	Add some supporting messages	2016.03.31
2.17	Add some supporting messages	2016.06.24
2.18	Add some supporting messages	2016.07.29
2.19	Add some supporting messages	2016.08.31
2.20	Add some supporting messages	2016.10.20
2.21	Add some supporting messages	2016.11.07
2.22	Add some supporting messages	2016.12.05
2.23	Add some supporting messages	2016.12.09
2.24	Add some supporting messages	2016.12.29
2.25	Add some supporting messages	2017.03.30
2.26	Add some supporting messages	2017.05.24
2.27	Add some supporting messages	2017.07.05
2.28	Add some supporting messages	2017.08.24
2.29	Add some supporting messages	2017.11.24
2.30	Add some supporting messages	2018.01.24
2.31	Add some supporting messages	2018.03.26
2.32	Add some supporting messages	2018.05.25
2.34	Add some supporting messages	2018.10.17
2.35	Add some supporting messages	2018.12.11
2.36	Add some supporting messages	2019.01.21
2.37	Add some supporting messages	2019.03.11
2.38	Add some supporting messages	2019.05.15
2.39	Add some supporting messages	2019.07.19
2.40	Add some supporting messages	2019.09.30
2.41	Add some supporting messages	2019.11.25
2.42	Add some supporting messages, switch column order of product name	2020.03.30
2.43	Add some supporting messages	2020.06.16
2.44	Add some supporting messages, modify IMD256M16R4ABD8LY, IMD512M16R4AZD8LY, H9HCNNNNBPUMLHR, H9CCNNN8JTLAR, H9CKNNNNBPTMLRL, H9CKNNNCPTMRPR to N/A. Add "Product Status".	2020.09.02
2.45	Add some supporting messages, change the order of manufacture.	2020.11.17
2.46	Add some supporting messages	2021.01.29
2.47	Add some supporting messages	2021.04.16
2.48	Add some supporting messages	2021.07.20
2.49	Modify T/A of K4U8E3S4AD-MG**, NT6AP256T32AV, NT6AP512T32AV to N/A on RV1126/RV1109 and fill Samsung /Nanya LPDDR4X on RV1126/RV1109 with N/A.	2021.07.23
2.50	Add some supporting messages, add note [8] [9] [10][11]	2021.10.22
2.51	Add some supporting messages	2022.01.17
2.52	Add some supporting messages, change note [12][13]	2022.04.01
2.53	Add some supporting messages, add note [14], modify T/A of K4U6E3S4AA-MG**, K4UHE3D4AB-MG**, K4UBE3D4AA-MG** to N/A on RK3588, modify T/A of NCLDXC1M512M32, FLXC2002G-N2, RSS12M32LM4D2BDS-53BT, QN4LPD512M32M-32H to N/A on RK3399, modify T/A of FLXC4004G-26, GE8062666ND to N/A on RK3568.	2022.05.30

See Infocenter, <https://redmine.rock-chips.com/documents/49>, for access to the latest support list.

## Consumer

Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3508 /RK3508S	RK3508	RK3506	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-5	RK3228H	RK3399	RK3328	RK3326S/ PX305	RK3326/ PX30	RK1800/ RK1806	RK3399PRO CPU RAM NPU RAM	RK3288	RK3368/RK3228A/RK3228B/RK3229/PX5	RK2904 RK2918	RK2928/RK3028A/RK3128/PX3-SE	RK2926/RK3026/RK3036/RK3036G/RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与RK兼容情况
Micron	MT47H64M16HR-25		1G bit	64M×16	DDR2	84ball															✓				
	MT41J128M8JP-15EG(D9MNU)		1G bit	128M×8	DDR3	78ball															✓				
	MT41K128M8DA-107J(D9R0D)		1G bit	128M×8	DDR3L	78ball																			T/A
	MT41K64M16TW-107J(D9SFT)		1G bit	64M×16	DDR3L	96ball				T/A															
	MT41J128M16HA-15E(D9L9GQ)		2G bit	128M×16	DDR3	96ball															✓				
	MT41J256M8HX-15E(D9L6GK)		2G bit	256M×8	DDR3	78ball													T/A		✓	T/A	T/A	T/A	T/A
	MT41K256M8DA-125K(D9PSH)		2G bit	256M×8	DDR3L	78ball													T/A		✓	T/A	T/A	T/A	T/A
	MT41K256M8DA-125MD(D9PFJ)		2G bit	256M×8	DDR3L	78ball													T/A		✓	T/A	T/A	T/A	T/A
	MT41K128M16HA-15E(D9LJM)		2G bit	128M×16	DDR3L	96ball													T/A		✓				
	MT41K128M16JT-125K(D9PTK)		2G bit	128M×16	DDR3L	96ball				T/A									T/A		✓	T/A	T/A	T/A	T/A
	MT41K128M16JT-107K(D9PSZ)		2G bit	128M×16	DDR3L	96ball											T/A		T/A		✓	T/A	T/A	T/A	T/A
	MT41K512M8RH-125E(D9QBQ)		4G bit	512M×8	DDR3L	78ball				T/A									T/A		✓				
	MT41K512M8RG-107N(D9RVX)		4G bit	512M×8	DDR3L	78ball													T/A						T/A <sup>(1)</sup>
	MT41K512M8DA-107P(D9SGQ)		4G bit	512M×8	DDR3L	78ball													T/A						T/A
	MT41K256M16RE-15E(D9P8F)		4G bit	256M×16	DDR3L	96ball															✓				
	MT41K256M16HA-125E(D9PKV)		4G bit	256M×16	DDR3L	96ball													T/A		✓	T/A	T/A	T/A	T/A
	MT41K256M16LY-107N(D9SDQ)		4G bit	256M×16	DDR3L	96ball				T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	✓	T/A	T/A	T/A	T/A
	MT41K256M16TW-107P(D9SHD)		4G bit	256M×16	DDR3L	96ball				T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A	T/A					T/A
	MT41K256M16TW-107IT(PD9SHG)		4G bit	256M×16	DDR3L	96ball													T/A						
	MT41K512M16HA-125A(D9STQ)	EOL	8G bit	512M×16	DDR3L	96ball													T/A						
	MT41K512M16HA-107A(D9SDQ)	EOL	8G bit	512M×16	DDR3L	96ball													T/A						T/A
	MT41K512M16VRP-107IT(PD9ZWN)		8G bit	512M×16	DDR3L	96ball													T/A						
	MT40A256M16GE-083E-B(D9TGG)	EOL	4G bit	256M×16	DDR4	96ball											T/A		T/A						
	MT40A256M16GE-078E-B(D9TGS)		4G bit	256M×16	DDR4	96ball													T/A						
	MT40A512M16TB-082E-J(D9WWP)		8G bit	512M×16	DDR4	96ball			T/A	T/A									T/A						
	MT40A512M16TB-083E-B(D9T8K)		8G bit	512M×16	DDR4	96ball			T/A	T/A									T/A						
	MT40A512M16TB-062E-R(D8BPK)		8G bit	512M×16	DDR4	96ball			T/A	T/A															
	MT40A512M16LY-062E-E(D9WFJ)		8G bit	512M×16	DDR4	96ball																			
	MT40A1G16WB-083E-B(D9THH)		16G bit	1024M×16	DDR4	96ball																			
	MT40A1G16KD-062E-E(D9ZFW)		16G bit	1024M×16	DDR4	96ball			T/A	T/A															
	MT40A1G16TB-062E-F(D8CJX)		16G bit	1024M×16	DDR4	96ball			T/A	T/A															
	MT40A2G16SKL-062E-B(D9XQF)		32G bit	2048M×16	DDR4	96ball			T/A	T/A															
	MT42L128M32D1GU-25 WFA(Z9QH5)		4G bit	128M×32	LPDDR2	134ball					T/A									T/A					T/A
	MT42L256M16D1GU-18 WFA(D9RLT)		4G bit	256M×16	LPDDR2	134ball																			
	MT42L128M64D2LL-25 WTA(D9QQG)		8G bit	128M×32×2Ch	LPDDR2	216ball																			N/A
	MT52L256M32D1PF-107 WT-B(D9SRZ)		8G bit	256M×32	LPDDR3	178ball				T/A															
	MT52L512M32D2PF-107 WT-B(D9SFF)		16G bit	512M×32	LPDDR3	178ball																			
	MT53E128M16D1DS-046 WTA(D9WXT)		2G bit	128M×16	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball				T/A															
	MT53E128M32D2DS-046 WTA(D9WVR)		4G bit	128M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																			
	MT53B256M32D1NP-062 WTC(D9TFT)	EOL	8G bit	256M×32	LPDDR4	200ball																			
	MT53E256M32D2DS-053 WTB(D9WRB)		8G bit	256M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball				T/A															
	MT53E256M32D2FW-046 WTB(D9ZKT)		8G bit	256M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A <sup>(15)</sup>	T/A <sup>(16)</sup>	T/A														
	MT53E384M32D2DS-053 WTE(D9WRN)		12G bit	384M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A <sup>(15)</sup>	T/A <sup>(16)</sup>														
	MT53E384M32D2FW-046 WTE(D88BR)		12G bit	384M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A <sup>(15)</sup>	T/A <sup>(16)</sup>														
	MT53E512M32D2NP-062 WTC(D9PTW)	EOL	16G bit	512M×32	LPDDR4	200ball																			
	MT53B512M32D2DS-053 WTD(D9WHZ)		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball				T/A	T/A	T/A													
	MT53E512M32D2NP-046 WTE(D9WGB)		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A <sup>(15)</sup>	T/A <sup>(16)</sup>	T/A													
	MT53E512M32D2FW-046 WTD(D9ZZL)		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A <sup>(15)</sup>	T/A <sup>(16)</sup>	T/A													
	MT53E512M32D1NP-046 WTB(D88QM)		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball				T/A	T/A														
	MT53E512M32D4NQ-053 RS WTF(D9ZBD)		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																			
	MT53D1024M32D4DT-053 WTD(D9WHV)		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																			
	MT53D1024M32D4DT-046 WTD(D9WQG)		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A <sup>(15)</sup>	T/A	T/A													
	MT53E1G32D2FW-046 WTB(D8CJG)		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																			
	MT53E1536M32D4DE-046 WTB(D88DQ)		48G bit	1536M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball			T/A	T/A	T/A														
	MT53E2G32D4DE-046 WTA(D9ZRD)		64G bit	2048M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball				T/A <sup>(15)</sup>	T/A <sup>(16)</sup>														
	MT53E512M64D4NK-053 WTC(D9TGF)	EOL	32G bit	512M×64	LPDDR4	366ball																			
	MT53E512M64D4NK-046 WTD(D9XPK)		32G bit	512M×64	LPDDR4	366ball																			

兼容性好

Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3588S	RK3568	RK3566	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PK305	RK3326/ PK30	RK1800/ RK1806	RK3399PRO CPU RAM	NPU RAM	RK3288	RK3368/RK3228 A/RK3228B/RK3229/PK35	RK290A /RK2918	RK2928/RK3028A/RK3128/PK3-SE	RK2926/RK3026/RK3036/RK3036G/RK3126	RK3066/RK3066A/PK3	与双兼容情况
Samsung	K4T1G164QE		1G bit	64M×16	DDR2	84ball																✓				T/A
	K4B1G084G		1G bit	128M×8	DDR3	78ball														T/A		✓				T/A
	K4B1G164G-1C**		1G bit	64M×16	DDR3	96ball				T/A	T/A															
	K4B1G164G-1Y**		1G bit	64M×16	DDR3L	96ball				T/A	T/A															
	K4B2G084G		2G bit	256M×8	DDR3	78ball																✓				T/A
	K4B2G084G-1Y**		2G bit	256M×8	DDR3L	78ball														T/A						
	K4B2G164G		2G bit	128M×16	DDR3	96ball																				
	K4B2G164G		2G bit	128M×16	DDR3	96ball																				
	K4B2G164G		2G bit	128M×16	DDR3	96ball																				
	K4B2G164G-1Y**		2G bit	128M×16	DDR3L	96ball				T/A	T/A	T/A		T/A	T/A	T/A		T/A		T/A	T/A	T/A	T/A	T/A	T/A	T/A
	K4B2G164G-1C**		4G bit	512M×8	DDR3	78ball				T/A	T/A	T/A		T/A	T/A	T/A		T/A		T/A	T/A	T/A	T/A	T/A	T/A	T/A
	K4B4G164G-1C**		4G bit	256M×16	DDR3	96ball																✓				T/A
	K4B4G164G-1Y**	EOL	4G bit	256M×16	DDR3L	96ball					T/A	T/A	✓	T/A	T/A					T/A	T/A		T/A	T/A	T/A	T/A
	K4B4G164G-1Y**	EOL	4G bit	256M×16	DDR3L	96ball					T/A	T/A	✓	T/A	T/A					T/A	T/A		T/A	T/A	T/A	T/A
	K4B4G164G-1C**	EOL	4G bit	256M×16	DDR3	96ball														T/A	T/A		T/A	T/A	T/A	T/A
	K4W4G164G-1C**		4G bit	256M×16	DDR3	96ball														T/A	T/A		T/A	T/A	T/A	T/A
	K4B4G164G-1Y**		4G bit	256M×16	DDR3L	96ball			T/A	T/A	T/A	T/A		T/A	T/A	T/A		T/A		T/A	T/A		T/A	T/A	T/A	T/A
	K4B4G164G-1C**		4G bit	256M×16	DDR3	96ball				T/A	T/A									T/A	T/A		T/A	T/A	T/A	T/A
	K4B4G164G-8MMA		4G bit	256M×16	DDR3L	96ball														T/A	T/A		T/A	T/A	T/A	T/A
	K4B8G164G-1Y**	EOL	8G bit	512M×16	DDR3L	96ball														T/A	T/A		T/A	T/A	T/A	T/A
	K4AAG165WE-1C**		4G bit	256M×16	DDR4	96ball			T/A											T/A	T/A					
	K4AAG165WF-1C**		4G bit	256M×16	DDR4	96ball			T/A	T/A	T/A															
	K4A8G085WC-1C**		8G bit	1024M×8	DDR4	78ball			T/A	T/A	T/A															
	K4A8G165WB-1C**		8G bit	512M×16	DDR4	96ball			T/A	T/A	T/A	T/A														
	K4A8G165WC-1C**		8G bit	512M×16	DDR4	96ball			T/A	T/A	T/A															
	K4AAG165WA-1C**		16G bit	1024M×16	DDR4	96ball			T/A	T/A	T/A															
	K4A8G165WA-1C**		32G bit	2048M×16	DDR4	96ball			T/A	T/A																
	K4A8G165WA-1C**		32G bit	2048M×16	DDR4	96ball			T/A	T/A																
	K3PE0E000A-XGC2		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball														T/A						N/A
	K3PE0E000M-XGC2		16Gb/2Channel	256M×32×2Ch	LPDDR2	216ball														T/A	T/A					N/A
	K4EBE304ED-EGCC		8G bit	256M×32	LPDDR3	178ball															T/A					
	K4EBE304EE-EGCE		8G bit	256M×32	LPDDR3	178ball							T/A								T/A					
	K4EBE324EB-AGCF		8G bit	256M×32	LPDDR3	168ball																				
	K4EBE324EB-EGCF		8G bit	256M×32	LPDDR3	178ball						T/A	T/A	T/A	T/A	T/A					T/A					
	K4EBE324ED-EGCG		8G bit	256M×32	LPDDR3	178ball						T/A	T/A													
	K3QF1100M-AGCE		8Gb/2Channel	128M×32×2Ch	LPDDR3	253ball														T/A	T/A					
	K3QF110EM-BGCF		8G bit	128M×32×2Ch	LPDDR3	216ball															T/A					
	K4EE6304EE-EGCE	EOL	16G bit	512M×32	LPDDR3	178ball						T/A		T/A	T/A	T/A					T/A					
	K4EE6304EB-EGCF		16G bit	512M×32	LPDDR3	178ball						T/A	T/A	T/A	T/A	T/A					T/A					
	K4EE6304EC-EG**		16G bit	512M×32	LPDDR3	178ball			T/A	T/A																
	K4EE6304ED-EG**		16G bit	512M×32	LPDDR3	178ball						T/A	T/A													
	K4EBE304EC-EG**		32G bit	1024M×32	LPDDR3	178ball						T/A		T/A	T/A	T/A										
	K3QF3F308M-QGCF		16G bit	256M×32×2Ch	LPDDR3	216ball															T/A					
	K3QF3F308M-BGCF		16G bit	256M×32×2Ch	LPDDR3	216ball															T/A					
	K4F4E354HF-MG**		4G bit	128M×32	LPDDR4	200ball																				
	K4F8E304HB-MG**		8G bit	256M×32	LPDDR4	200ball																				
	K4F8E354HD-MG**		8G bit	256M×32	LPDDR4	200ball																				
	K4F2E354HM-MG**		12G bit	384M×32	LPDDR4	200ball																				
	K4F6E354HM-MG**		16G bit	512M×32	LPDDR4	200ball																				
	K4F6E354HM-SG**		16G bit	512M×32	LPDDR4	200ball																				
	K4FHE304HM-MG**		24G bit	768M×32	LPDDR4	200ball																				
	K4FBE304HB-MG**		32G bit	1024M×32	LPDDR4	200ball																				
	K4UIBE354AD-MG**		8G bit	256M×32	LPDDR4X	200ball																				
	K4UIE354AA-MG**		16G bit	512M×32	LPDDR4X	200ball																				
	K4UIE354AB-MG**		16G bit	512M×32	LPDDR4X	200ball																				
	K4UIHE304AB-MG**		24G bit	768M×32	LPDDR4X	200ball																				
	K4UIBE304AA-MG**	EOL	32G bit	1024M×32	LPDDR4X	200ball																				
	K4UIBE304AB-MG**		32G bit	1024M×32	LPDDR4X	200ball																				
	K4UCE304AA-MG**	EOL	64G bit	2048M×32	LPDDR4X	200ball																				
	K4UCE304AB-MG**		64G bit	2048M×32	LPDDR4X	200ball																				
	K3RG2G20CM-MGJ	EOL	32G bit	512M×64	LPDDR4	366ball																				

兼容性好  
K3PE0E000M R2Q需要  
改为150ohm  
K3PE0E000A-XGC2 R2Q  
需要改为NC

Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3588S	RK3568	RK3566	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PX305	RK3326/ PX30	RK1800/ RK1806	RK3399PRO CPU RA M	NPU RA M	RK3288	RK3368/RK3228 A/RK3228B/RK3229/PX5	RK2904/ RK2918	RK2928/RK3028A/RK312 B/PX3-SE	RK2926/RK3026/ /RK3126	RK3066/RK3066A/PX2 RK3168/RK3180/PX3	与双兼容情况	
Hynix	H5PS1G63CFP		1G bit	64M×16	DDR2	84ball																✓					
	H5PS1G63EFR		1G bit	64M×16	DDR2	84ball																✓					
	H5TQ1G83DFR		1G bit	128M×8	DDR3	78ball														T/A		✓				T/A	
	H5TQ1G83TFR		1G bit	128M×8	DDR3	78ball																✓					
	H5TQ2G83CFR		2G bit	256M×8	DDR3	78ball																✓	✓	✓	✓	✓	
	H5TQ2G83BFR		2G bit	256M×8	DDR3	78ball																✓	T/A	T/A	✓	✓	
	H5TQ2G83EFR		2G bit	256M×8	DDR3	78ball																T/A	T/A	T/A	T/A	T/A	
	H5TQ2G83FFR		2G bit	256M×8	DDR3	78ball																	✓	T/A	T/A		
	H5TQ2G83GFR	EOL	2G bit	256M×8	DDR3	78ball																T/A				T/A	
	H5TQ2G63BFR	EOL	2G bit	128M×16	DDR3	96ball																	✓				
	H5TQ2G63FFR	EOL	2G bit	128M×16	DDR3	96ball																		T/A	T/A		
	H5TQ2G63GFR	EOL	2G bit	128M×16	DDR3L	96ball					T/A	T/A		T/A	T/A	T/A	T/A					T/A		T/A	T/A	T/A	T/A
	H5TQ2G63DFR	EOL	2G bit	128M×16	DDR3	96ball																	✓				T/A
	H5TQ4G83AFR	EOL	4G bit	512M×8	DDR3	78ball																		T/A	T/A	T/A <sup>(1)</sup>	
	H5TQ4G83AFR	EOL	4G bit	512M×8	DDR3L	78ball																		T/A	T/A	T/A <sup>(1)</sup>	
	H5TQ4G83MFR	EOL	4G bit	512M×8	DDR3	78ball																			T/A	T/A	T/A <sup>(1)</sup>
	H5TQ4G83BFR	EOL	4G bit	512M×8	DDR3L	78ball																			T/A	T/A	T/A
	H5TQ4G63MFR	EOL	4G bit	256M×16	DDR3	96ball																		✓			T/A
	H5TQ4G63AFR	EOL	4G bit	256M×16	DDR3	96ball						T/A	T/A	T/A	T/A	T/A	T/A						T/A	T/A	T/A	T/A	T/A
	H5TQ4G63CFR	EOL	4G bit	256M×16	DDR3L	96ball																		T/A	T/A	T/A	T/A
	H5TQ4G63CFR	EOL	4G bit	256M×16	DDR3L	96ball						T/A	T/A	T/A	T/A	T/A	T/A						T/A	T/A	T/A	T/A	T/A
	H5TQ4G63CFR	EOL	4G bit	256M×16	DDR3	96ball					T/A	T/A	T/A	T/A	T/A	T/A	T/A						T/A	T/A	T/A	T/A	T/A
	H5TQ4G63CFR	EOL	4G bit	256M×16	DDR3	96ball					T/A	T/A	T/A	T/A	T/A	T/A	T/A						T/A	T/A	T/A	T/A	T/A
	H5TQ4G63CFR	EOL	4G bit	256M×16	DDR3L	96ball					T/A	T/A	T/A	T/A	T/A	T/A	T/A						T/A	T/A	T/A	T/A	T/A
	H5ANAG6NAFR	EOL	4G bit	256M×16	DDR4	96ball							T/A		T/A			T/A									
	H5ANAG6NBJR		4G bit	256M×16	DDR4	96ball				T/A	T/A				T/A			T/A									
	H5ANB6NAFR	EOL	8G bit	512M×16	DDR4	96ball							T/A		T/A		T/A	T/A									
	H5ANB6NCJR		8G bit	512M×16	DDR4	96ball				T/A	T/A	T/A			T/A		T/A	T/A									
	H5ANB6NDJR		8G bit	512M×16	DDR4	96ball				T/A	T/A	T/A			T/A		T/A	T/A									
	H5ANAG6NAMR		16G bit	1024M×16	DDR4	96ball				T/A	T/A					T/A	T/A	T/A									
	H5ANAG6NCMR		16G bit	1024M×16	DDR4	96ball				T/A	T/A	T/A															
	H5ANAG6NCJR		16G bit	1024M×16	DDR4	96ball				T/A	T/A																
	H9TKNNB8IDMMPR		8Gb/2CS	256M×32	LPDDR2	134ball																T/A					T/A
	H8TJ00X0MLR		8Gb/2CS	256M×32	LPDDR2	168ball																T/A					T/A
	H9TKNNB8KDPQCR		8Gb/2Channel	128M×32×2Ch	LPDDR2	216ball																			T/A <sup>(2)</sup>		
	H9TKNNB8PDMRAR		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball																					N/A
	H9CCNNB8ITALR	EOL	8G bit	256M×32	LPDDR3	178ball							T/A	T/A	T/A	T/A	T/A							T/A			
	H9CCNNB8GTMLAR	EOL	8G bit	256M×32	LPDDR3	178ball							T/A	T/A	T/A	T/A	T/A							T/A			
	H9CCNNB8JTLAR	EOL	8G bit	256M×32	LPDDR3	178ball							T/A	T/A	T/A	T/A	T/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A
	H9CCNNB8ITALR	EOL	16G bit	512M×32	LPDDR3	178ball							T/A	T/A	T/A	T/A	T/A							N/A	N/A	N/A	N/A
	H9CCNNB8LTALAR	EOL	16G bit	512M×32	LPDDR3	178ball							T/A	T/A	T/A	T/A	T/A							T/A			
	H9CCNNB8JTLAR	EOL	16G bit	512M×32	LPDDR3	178ball							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A
	H9CCNNB8PTMRLR	EOL	16G bit	512M×32	LPDDR3	216ball							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A
	H9CCNNB8CPTMPPR	EOL	32G bit	1024M×32	LPDDR3	256ball							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A
	H9HCNNNB8KJMLHR	EOL	8G bit	256M×32	LPDDR4	200ball							N/A		N/A			N/A						N/A			
H9HCNNNB8PULMHR		16G bit	512M×32	LPDDR4	200ball									N/A													
H9HCNNNB8KJMLHR		16G bit	512M×32	LPDDR4	200ball					T/A				N/A									T/A				
H9HCNNNB8KJMLXR		16G bit	512M×32	LPDDR4	200ball				T/A					T/A									T/A				
H9HCNNNB8CJMLXR		32G bit	1024M×32	LPDDR4	200ball		T/A			T/A																	
H9HCNNNB8KJMLHR		16G bit	512M×32	LPDDR4X	200ball																						
H9HCNNNB8CJMLXR		32G bit/2cs	1024M×32	LPDDR4X	200ball		T/A	T/A <sup>(5)</sup>	T/A <sup>(7)</sup>	T/A																	
H9HCNNNB8FAMMLXR		64G bit	2048M×32	LPDDR4X	200ball																						
H9HKNNNB8DUMUBR	EOL	24G bit	384M×64	LPDDR4	366ball																						
H9HKNNNCUUMUBR	EOL	32G bit	512M×64	LPDDR4	366ball																						
H9HKNNNCUUMUBR	EOL	32G bit	512M×64	LPDDR4	366ball																						

兼容性好



Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3585	RK3568	RK3566	RV1126 /RV1109	RV1108 /RK3308 /RK3308B-S	RK3228H	RK3399	RK3328	RK3325 /PK305	RK3326 /PK30	RK1808 /RK1806	RK3399PRO CPU_RA M	RK3288	RK3368/RK3328A /RK3328B/RK3329/PK5	RK2908 /RK2918	RK2928/RK3028A /RK3128 /PK3-SE	RK2926/RK3026 /RK3036G /RK3126	RK3866/RK3866A /PK2	RK3168/RK3188/PK3	与双兼容情况
Nanya	NT5TU32M16CG-3C		512M bit	32M×16	DDR2	84ball															✓					
	NT5TU32M16FG		512M bit	32M×16	DDR2	84ball					T/A															
	NT5TU64M16HG		1G bit	64M×16	DDR2	84ball					T/A															
	NT5CB64M16GP		1G bit	64M×16	DDR3	96ball					T/A															
	NT5CC64M16GP		1G bit	64M×16	DDR3L	96ball					T/A															
	NT5CB128M8DN		1G bit	128M×8	DDR3	96ball															✓					
	NT5CC128M8DN		1G bit	128M×8	DDR3L	78ball														T/A	✓					T/A
	NT5CB128M8FN		1G bit	128M×8	DDR3	78ball														T/A						
	NT5CC128M8GN		1G bit	128M×8	DDR3L	78ball																				
	NT5CB256M8GN		2G bit	256M×8	DDR3	78ball														T/A	✓		T/A	T/A		T/A
	NT5CB256M8BN		2G bit	256M×8	DDR3	78ball														T/A	✓		T/A	T/A		T/A
	NT5CB256M8FN		2G bit	256M×8	DDR3	78ball														T/A	✓		T/A	T/A		T/A
	NT5CB256M8IN		2G bit	256M×8	DDR3	78ball					T/A	T/A			T/A	T/A					T/A					
	NT5CC256M8BN		2G bit	256M×8	DDR3L	78ball					T/A	T/A			T/A	T/A					T/A					T/A
	NT5CB128M16BP		2G bit	128M×16	DDR3	96ball														T/A		✓		T/A		T/A
	NT5CB128M16HP		2G bit	128M×16	DDR3	96ball														T/A						T/A
	NT5CC128M16BP		2G bit	128M×16	DDR3L	96ball																✓				
	NT5CB128M16FP		2G bit	128M×16	DDR3	96ball														T/A		✓		T/A	T/A	T/A
	NT5CC128M16IP	EOL	2G bit	128M×16	DDR3L	96ball														T/A		✓		T/A	T/A	T/A
	NT5CB128M16IP	EOL	2G bit	128M×16	DDR3	96ball														T/A						
	NT5CB128M16IR		2G bit	128M×16	DDR3	96ball					T/A	T/A			T/A	T/A				T/A						
	NT5CC128M16IR		2G bit	128M×16	DDR3L	96ball					T/A	T/A			T/A	T/A				T/A						
	NT5CB512M8DN		4G bit	512M×8	DDR3	78ball																				
	NT5CB512M8BN		4G bit	512M×8	DDR3	78ball														T/A						T/A <sup>(1)</sup>
	NT5CC512M8CN		4G bit	512M×8	DDR3L	78ball														T/A						T/A <sup>(1)</sup>
	NT5CC512M8DN		4G bit	512M×8	DDR3L	78ball														T/A						T/A
	NT5CC512M8EN		4G bit	512M×8	DDR3L	78ball														T/A						T/A
	NT5CB256M16BP		4G bit	256M×16	DDR3	96ball														T/A		✓		T/A	T/A	T/A
	NT5CB256M16CP	EOL	4G bit	256M×16	DDR3	96ball														T/A						T/A
	NT5CB256M16DP	EOL	4G bit	256M×16	DDR3	96ball														T/A						T/A
	NT5CB256M16EP		4G bit	256M×16	DDR3	96ball					T/A	T/A			T/A	T/A										
	NT5CC256M16CP	EOL	4G bit	256M×16	DDR3L	96ball														T/A						T/A
	NT5CC256M16DP	EOL	4G bit	256M×16	DDR3L	96ball														T/A						T/A
	NT5CC256M16EP		4G bit	256M×16	DDR3L	96ball														T/A						T/A
	NT5CC256M16ER		4G bit	256M×16	DDR3	96ball														T/A						T/A
	NT5CC256M16ER-EKI		4G bit	256M×16	DDR3L	96ball																				
	NT5AD256M16B2		4G bit	256M×16	DDR4	96ball																				
	NT5AD256M16D4		4G bit	256M×16	DDR4	96ball																				
	NT5AD256M16E4		4G bit	256M×16	DDR4	96ball																				
	NT5AD512M16A4		8G bit	512M×16	DDR4	96ball																				
	NT5AD512M16C4		8G bit	512M×16	DDR4	96ball																				
	NT6TL128M32AQ		4G bit	128M×32	LPDDR2	168ball														T/A						T/A
	NT6TL256F32AI		8G bit	256M×32	LPDDR2	134ball																				T/A
	NT6TL256F32AI		8G bit	256M×32	LPDDR2	134ball																				T/A
	NT6TL256F32AQ		8G bit	256M×32	LPDDR2	168ball																				T/A
	NT6CL128M32BM		4G bit	128M×32	LPDDR3	178ball														T/A						
	NT6CL128M32CM		4G bit	128M×32	LPDDR3	178ball																				
	NT6CL128M32DM		4G bit	128M×32	LPDDR3	178ball																				
	NT6CL256F32CM		8G bit	256M×32	LPDDR3	178ball																				
	NT6CL256F32BM		8G bit	256M×32	LPDDR3	178ball																				
	NT6CL256M32AM		8G bit	256M×32	LPDDR3	178ball																				
	NT6CL512T32AM		16G bit	512M×32	LPDDR3	178ball																				
	NT6CL256T32AQ		8G bit	256M×32	LPDDR3	168ball																				
	NT6AN256T32AV		8G bit	256M×32	LPDDR4	200ball																				
	NT6AN512T32AV		16G bit	512M×32	LPDDR4	200ball																				
	NT6AN1024F32AV		32G bit	1024M×32	LPDDR4	200ball																				
	NT6AP256T32AV		8G bit	256M×32	LPDDR4X	200ball																				
	NT6AP512T32AV		16G bit	512M×32	LPDDR4X	200ball																				

兼容性好

Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3508 /RK3585	RK3568	RK3566	RV1108/ RV1109	RV1108/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326/ PX305	RK3326/ PX30	RK1808/ RK1806	RK3399PRO CPU_RA M	NPU_RA M	RK3288	RK3368/RK3328 A/RK3328B/RK3229/PX3	RK2904 RK2918	RK2928/RK3028A/RK3128 /PX3-SE	RK2926/RK3026/ RK3036/RK3036G /RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与双兼容情况	
CXMT	CXDQ28FAMCG		4G bit	256M×16	DDR4	96ball			T/A	T/A		T/A <sup>(H)</sup>		T/A <sup>(H)</sup>													
	CXDQ38FAMCG		8G bit	512M×16	DDR4	96ball			T/A	T/A		T/A <sup>(H)</sup>		T/A <sup>(H)</sup>													
	CXDQ38FAM-CQ-A		8G bit	512M×16	DDR4	96ball			T/A	T/A		T/A <sup>(H)</sup>		T/A <sup>(H)</sup>													
	CXD83ABAM-MK		8G bit	256M×32	LPDDR4/LPDDR4X <sup>(H)</sup>	200ball			T/A <sup>(H)</sup>	T/A <sup>(H)</sup>	T/A		T/A					T/A									
	CXD84ABAM-MK		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(H)</sup>	200ball			T/A <sup>(H)</sup>	T/A <sup>(H)</sup>	T/A		T/A					T/A									
	CXD85CCAM-MK		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(H)</sup>	200ball			T/A	T/A																	
GigaDevice	GDQ28FAA-CE		4G bit	256M×16	DDR4	96ball			T/A	T/A	T/A				T/A	T/A											
	GDQ28FAA-CJ		4G bit	256M×16	DDR4	96ball			T/A	T/A																	
JHICC	CA454G16V-F9GNC		4G bit	256M×16	DDR4	96ball			T/A <sup>(H)</sup>																		
ESMT	M14D1G1664A-1.8BG2S		1G bit	64M×16	DDR2	84ball					T/A																
	M15T1G1664A-DEBG2C		1G bit	64M×16	DDR3L	96ball				T/A	T/A																
	M15T1G1664A-DEBG2CS		1G bit	64M×16	DDR3L	96ball				T/A	T/A														T/A		
	M15T1G1664A-EFBG2S		1G bit	64M×16	DDR3L	96ball				T/A	T/A																
	M15T2G16128A-DEBG2L	EOL	2G bit	128M×16	DDR3L	96ball									N/A	N/A							T/A				
	M15T2G16128A-DEBG2LS		2G bit	128M×16	DDR3L	96ball				T/A	T/A					N/A	N/A	T/A		T/A	T/A						
	M15T2G16128A-DEBG2R		2G bit	128M×16	DDR3L	96ball				T/A	T/A					N/A	N/A	T/A		T/A	T/A						
	M15T4G16256A-DEBG2L	EOL	4G bit	256M×16	DDR3L	96ball						N/A	N/A		N/A	N/A	N/A						N/A				
	M15F4G16256A-DEBG2R		4G bit	256M×16	DDR3L	96ball																					
	M15T4G16256A-DEBG2G		4G bit	256M×16	DDR3L	96ball				T/A	T/A																
	M15T4G16256A-DEBG2S		4G bit	256M×16	DDR3L	96ball				T/A	T/A																
	M16U4G16256A-KJBG		4G bit	256M×16	DDR4	96ball				T/A	T/A							T/A	T/A								
		M16U4G16256A-QLBG		4G bit	256M×16	DDR4	96ball											T/A	T/A								
	M5628G32Z56A-SMBIG		8G bit	256M×32	LPDDR4	200ball				T/A																	
UniC	SCB15H1G160CF-13K		1G bit	64M×16	DDR3	96ball					T/A																
	SCB15H1G160AF-13K		1G bit	64M×16	DDR3	96ball					T/A																
	SCN13H2G160AF-13K		2G bit	128M×16	DDR3	96ball																			T/A		
	SCB13H2G160AF-11M		2G bit	128M×16	DDR3L	96ball																					
	SCB15H2G160AF-13K	EOL	2G bit	128M×16	DDR3	96ball																					
	SCB13H2G160FE-09N		2G bit	128M×16	DDR3L	96ball				T/A	T/A					T/A	T/A	T/A		T/A	T/A						
	SCB13H4G160AF-11M		4G bit	256M×16	DDR3L	96ball				T/A	T/A	T/A	T/A	T/A	T/A	T/A		T/A		T/A	T/A						
	HXB15H4G800AF-13K		4G bit	512M×8	DDR3	78ball				T/A	T/A		T/A	T/A	T/A	T/A		T/A		T/A	T/A						
	HXB13H4G160AF-13KT		4G bit	256M×16	DDR3	96ball						T/A													T/A		
	HXB13H4G160AF-13K		4G bit	256M×16	DDR3	96ball																					
SCB13H8G1628F-11M		8G bit	512M×16	DDR3L	96ball						T/A	T/A	T/A	T/A	T/A	T/A		T/A									
	SCB12Q4G160AF-07Q		4G bit	256M×16	DDR4	96ball				T/A	T/A																
SCSemicon	HXB18T1G160AF-25D		1G bit	64M×16	DDR2	84ball																	√				
	HXB18T2G160AF-25D		2G bit	128M×16	DDR2	84ball																	√				
	HXB15H2G800BF-15H		2G bit	256M×8	DDR3	78ball															T/A		N/A	T/A	N/A		T/A
	HXB15H2G160CF-13K		2G bit	128M×16	DDR3	96ball																		T/A			
	HXB15H4G800BF-15H		4G bit	512M×8	DDR3	78ball																			T/A <sup>(H)</sup>		
	HXB15H4G160BF-15H		4G bit	256M×16	DDR3	96ball																T/A		N/A <sup>(H)</sup>	T/A	N/A	
Winbond	W9751G6KB-25		512M bit	32M×16	DDR2	84ball					T/A																
	W9751G6NB-25		512M bit	32M×16	DDR2	84ball					T/A																
	W971G6S8B-18		1G bit	64M×16	DDR2	84ball					T/A																
	W631G6KB-12		1G bit	64M×16	DDR3	96ball																		T/A			
	W631G6MB-12	EOL	1G bit	64M×16	DDR3	96ball																					
	W631G6NB-12		1G bit	64M×16	DDR3L	96ball					T/A <sup>(H)</sup>																
	W632G6KB-15		2G bit	128M×16	DDR3	96ball																					
	W632G6NB-12		2G bit	128M×16	DDR3	96ball				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					T/A		T/A	
W632G6NB-09		2G bit	128M×16	DDR3L	96ball																						
W632G6QB-09		2G bit	128M×16	DDR3L	96ball																						
W634G6QB-11		4G bit	256M×16	DDR3L	96ball				T/A	T/A																	
W66BL6NBUAF1		2G bit	128M×16	LPDDR4	200ball						T/A																
	W66CL2NQUAF1		4G bit	128M×32	LPDDR4	200ball					T/A																
Etron Tech	EM68B16CWP A-25H		512M bit	32M×16	DDR2	84ball																					
	EM68B16CWQK-18H		512M bit	32M×16	DDR2	84ball					T/A																
	EM68B16CWQH-18H		512M bit	32M×16	DDR2	84ball					T/A																
	EM6GC16EWKG-12H		1G bit	64M×16	DDR3	96ball					T/A														T/A		
	EM6GC16EWKE-12H	EOL	2G bit	128M×16	DDR3	96ball					T/A																
	EM6GC16EWXD-12H	EOL	2G bit	128M×16	DDR3	96ball					T/A																
	EM6GD16EWKG-12H	EOL	2G bit	128M×16	DDR3	96ball					T/A													T/A			
	EM6GD16EWXF-12H	EOL	2G bit	128M×16	DDR3	96ball					T/A													T/A			
	EM6GD16EBWH-12H		2G bit	128M×16	DDR3	96ball																					
	EM6HC16EBWH-09H		2G bit	128M×16	DDR3L	96ball					T/A																
	EM6GE16W5B-15H		4G bit	256M×16	DDR3	96ball																					
	EM6GE08EW8C-12H		4G bit	512M×8	DDR3	96ball																					
	EM6GE16EWXC-12H		4G bit	256M×16	DDR3	96ball																					
	EM6HE16EWXD-12H	EOL	4G bit	256M×16	DDR3L	96ball					T/A	T/A			T/A	T/A	T/A	T/A		T/A	T/A				T/A		
	EM6GE16W5F-12H	EOL	4G bit	256M×16	DDR3	96ball					T/A	T/A			T/A	T/A	T/A	T/A		T/A	T/A				T/A		
	EM6GE16W5F-12H	EOL	4G bit	256M×16	DDR3	96ball					T/A	T/A			T/A	T/A	T/A	T/A		T/A	T/A				T/A		
	EM6HE16WAKG-10H	EOL	4G bit	256M×16	DDR3L	96ball							T/A	T/A	T/A	T/A	T/A										

Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3585	RK3568	RK3566	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PX305	RK3326/ PX30	RK1808/ RK1806	CPU_RAM	NPU_RAM	RK3399PRO	RK3288	RK3368/RK3328A/RK3328B/RK3329/PX5	RK2908A/RK2918	RK2928/RK3028A/RK312B/PX3-SE	RK2926/RK3026/RK3036/RK3126	RK3066/RK3066A/PX2	
Zentel	A3R12E40DBF-AH		512M bit	32M×16	DDR2	84ball					T/A																
	A3T1GF40CDBF-HP		1G bit	64M×16	DDR3	96ball		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	A3T1GF40CDBF-GM		1G bit	64M×16	DDR3	96ball		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	A3T2GF40B8F-GM		2G bit	128M×16	DDR3	96ball					N/A													T/A			
	A3T2GF40CDBF-HP		2G bit	128M×16	DDR3	96ball					T/A																
	A3T4GF40B8F-HP		4G bit	256M×16	DDR3	96ball					T/A																
	A3T4GF40ABF-GM		4G bit	256M×16	DDR3	96ball						T/A		T/A	T/A	T/A											
ISSI	IS43TR16640B-125KBL		1G bit	64M×16	DDR3	96ball					T/A																
	IS43TR16128C-125KBL		2G bit	128M×16	DDR3	96ball					T/A				T/A	T/A	T/A		T/A								
	IS43TR16512BL-125KBL		8G bit	512M×16	DDR3L	96ball							T/A					T/A					T/A				
nPM	PMF510816CBR-G8DN		1G bit	64M×16	DDR2	84ball					T/A																
	PMF510816ABR-G8DN		1G bit	64M×16	DDR3	96ball																	✓				
	PMF511816ABR-G8DN		2G bit	128M×16	DDR3	96ball																	✓				
	PMF511816DBR-KADN		2G bit	128M×16	DDR3	96ball															T/A						T/A
	PMF411816HBR-NCDN		2G bit	128M×16	DDR3L	96ball					T/A																
	PMF412816HBR-KADN		4G bit	256M×16	DDR3L	96ball									T/A	T/A											
	PMF512816B8R-KADN		4G bit	256M×16	DDR3	96ball																					
	PMF512816B8R-KADN		4G bit	256M×16	DDR3	96ball															T/A						T/A
	PMF512816DBR-KADN		4G bit	256M×16	DDR3	96ball															T/A				T/A	T/A	T/A
	PMF512816HBR-KADN		4G bit	256M×16	DDR3	96ball															T/A <sup>(1)</sup>						
	PMF512816HBR-NCDN		4G bit	256M×16	DDR3	96ball					T/A																
	PMF412816FBR-KADN		4G bit	256M×16	DDR3L	96ball															T/A						
Memory	TMF42GGHBR-NCDN		2G bit	128M×16	DDR3L	96ball																					
	TMF54GGHBR-KADN		4G bit	256M×16	DDR3	96ball																					
	TMF54GGHBR-NCDN		4G bit	256M×16	DDR3	96ball					T/A										T/A <sup>(1)</sup>						
Essencore	ISTQ4G63EFR		4G bit	256M×16	DDR3	96ball						T/A			T/A	T/A	T/A										
	EL38NMAAA1-PBER		8G bit	256M×32	LPDDR3	178ball															T/A						
	EL48PMBB1-54ER		16G bit	512M×32	LPDDR4	200ball			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SPECTEK	PEB18-15E (PRN256M8V79DG8GQF-15E)		2G bit	256M×8	DDR3	78ball															T/A		T/A	T/A	T/A	T/A	
	PEB35-15E (PRN256M8V89CG8GQF-15E)		2G bit	256M×8	DDR3	78ball															N/A		T/A	T/A	T/A	T/A	N/A
	PEB08-15E (PRN512M8V80AG8RHF-15E)		4G bit	512M×8	DDR3	78ball															T/A			T/A	T/A	T/A	T/A <sup>(1)</sup>
	PEB15-15E (PRN256M16V80AG8GPF-15E)		4G bit	256M×16	DDR3	96ball															T/A			T/A	T/A	T/A	T/A
	PEB16-15E (PRN256M16V80AG8GPF-15E)		4G bit	256M×16	DDR3	96ball															T/A			T/A	T/A	T/A	T/A
	PE047 (SUJ256M16V908G8LY-125TP)		4G bit	256M×16	DDR3	96ball																				T/A	
	PE039 (SUJ256M16V908G8LY-125TP)		4G bit	256M×16	DDR3	96ball					T/A												T/A				
	PE029 (PRN256M16V00HG8GNF-125)		4G bit	256M×16	DDR3	96ball										T/A	T/A										
	Z9QHG (SM128MX32U80MD1LGU-25FT)		4G bit	128M×32	LPDDR2	96ball																T/A					T/A
	PB047 (SS256M32V01MD1LPF-107BT)		8G bit	256M×32	LPDDR3	178ball						N/A	N/A	N/A	N/A	N/A											
	PB008 (SM512M322E0FD4LHL)		16G bit	512M×32	LPDDR3	178ball																					
	PS006 (SU256M32201MD1BNP)		8G bit	256M×32	LPDDR4	200ball																					
	PS007 (SU512M32201MD2BNP)		16G bit	512M×32	LPDDR4	200ball																					
	(PS086) SU256M64200MD4DKN		16G bit	256M×64	LPDDR4	366ball																					
	PS004 (SM512M64291MD4BNK)		32G bit	512M×64	LPDDR4	366ball																					
	PS035 (SU512M64201MD4BNK)		32G bit	512M×64	LPDDR4	366ball																					
	PS013 (SM512M64201MD4BNK)		32G bit	512M×64	LPDDR4	366ball																					

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Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3585	RK3568	RK3566	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PK305	RK3326/ PK30	RK1808/ RK1805	RK3399PRO		RK3288	RK3368/RK3328 A/RK3228B/RK3229/PK5	RK2908/ RK2918	RK2928/RK3028A/RK3128/PK3-SE	RK2926/RK3026/RK3036G/RK3126	RK3066/RK3066A/PK2 RK3168/RK3188/PK3	与双通道情况
MIRA	P3R1GE4CFF-GRE		1G bit	64M×16	DDR2	84ball																✓				
	P3R1GE3FGF-GRE		1G bit	128M×8	DDR2	84ball																✓				
	P2P2GF4ALF-GGN		2G bit	128M×16	DDR3	96ball																	T/A			
	P2P2GF4ALF-GJS		2G bit	128M×16	DDR3	96ball																				
	P3P4GF3BLF-GGN		4G bit	512M×8	DDR3	78ball																				
	P3P4GF4BLF-GGN		4G bit	256M×16	DDR3	96ball																				
	P3P4GF4BLF-GJS		4G bit	256M×16	DDR3	96ball																				
	P3P4GF4DMF-GJS		4G bit	256M×16	DDR3	96ball																				
	P5M4GK4CMF-GMX		4G bit	256M×16	DDR4	96ball																				
Kingston	D1216ECMDXGJD		2G bit	128M×16	DDR3L	96ball				T/A						T/A	T/A									
	D5128EETBPGGBU		4G bit	512M×8	DDR3	78ball																				
	D2516EC4BXXGB	EOL	4G bit	256M×16	DDR3L	96ball					T/A <sup>(1)</sup>															
	D2516ECMDXGJD		4G bit	256M×16	DDR3L	96ball					T/A					T/A	T/A									
	D2516C4BXXGB		4G bit	256M×16	DDR3	96ball																				
	B5116ECMDXGJD		8G bit	512M×16	DDR3L	96ball																				
	D2516ACPCXGRK		4G bit	256M×16	DDR4	96ball																				
	D5116AHKXGJUM		8G bit	512M×16	DDR4	96ball																				
	D2532LA3WHGJA		8G bit	256M×32	LPDDR3	178ball																				
	D2532LA6MLGJA		8G bit	256M×32	LPDDR3	178ball																				
	D0811LN2ALGJA		8G bit	256M×32	LPDDR3	178ball																				
	K823AADJ3E08G		8G bit	512M×16	LPDDR3	178ball																				
	D2516PCTCDGPLR		8G bit	256M×32	LPDDR4	200ball																				
	B1621PC6FDGUUKR		16G bit	512M×32	LPDDR4	200ball																				
	Q5116PH1MDGPAP	EOL	16G bit	512M×32	LPDDR4	200ball																				
	B5116PH3MDGPAP		16G bit	512M×32	LPDDR4	200ball																				
	B1621XH5ADGTR		16G bit	512M×32	LPDDR4X	200ball																				
	B2421XC4FDGTR		24G bit	768M×32	LPDDR4X	200ball																				
	B3221XC5CGDTR		32G bit	1024M×32	LPDDR4X	200ball																				
	Q3222XH6BDGUAR		32G bit	1024M×32	LPDDR4X	200ball																				
FORESEE	F60C1A0002-M6		2G bit	128M×16	DDR3L	96ball				T/A	T/A					T/A	T/A	T/A		T/A	T/A	T/A		T/A		
	F60C1A0004-M7		4G bit	256M×16	DDR3L	96ball					T/A	T/A									T/A	T/A		T/A		
	F62C1A0004-M5		4G bit	256M×16	DDR4	96ball																				
	FD4V10004-22		4G bit	256M×16	DDR4	96ball																				
	FD45116ZSA062C		8G bit	512M×16	DDR4	96ball																				
	NCLD381128M32		4G bit	128M×32	LPDDR3	178ball																				
	NCLD382256M32		8G bit/ 2cs	256M×32	LPDDR3	178ball																				
	NCLD4C1MA256M32		8G bit	256M×32	LPDDR4	200ball																				
	NCLD4C1MG256M32		8G bit	256M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC2001G-D9		8G bit	256M×32	LPDDR4	200ball																				
	FLXC2002G-N2		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC2002G-26		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC2002G-C4		16G bit	512M×32	LPDDR4X	200ball																				
	NCLD4C2MA512M32	EOL	16G bit	512M×32	LPDDR4	200ball																				
	NCLD4C1MC512M32		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	NCLD4C1MJ512M32		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC1002G-N1		16G bit	512M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC2003G-49		24G bit	768M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC4004G-26		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
	FLXC2004G-N1		32G bit	1024M×32	LPDDR4/LPDDR4X <sup>(1)</sup>	200ball																				
BIWIN	BWPPDD3X16A9B-04Gb		4G bit	256M×16	DDR3L	96ball					T/A	N/A														
	BWSD3X16N8B-04Gb		4G bit	256M×16	DDR3L	96ball																				
	BWSD04X16A9B-04Gb		4G bit	256M×16	DDR4	96ball																				
	BW52L256M32D1PF		8G bit	256M×32	LPDDR3	178ball																				
	BW52L512M32D2PF		16G bit	512M×32	LPDDR3	178ball																				
	BWMD4X32H2A-08Gb		8G bit	256M×32	LPDDR4	200ball																				
	BWMECK32H2A-08Gb		8G bit	256M×32	LPDDR4	200ball																				
	BWMD4X32H2A-16Gb		16G bit	512M×32	LPDDR4	200ball																				
	BWME9X32H2A-16Gb		16G bit	512M×32	LPDDR4	200ball																				
	BWME9X32H2A-16Gb-x		16G bit	512M×32	LPDDR4X	200ball																				
	BW5R8X32H2A-16Gb-x		16G bit	512M×32	LPDDR4X	200ball																				
	BW5RSX32H2A-16Gb-x		16G bit	512M×32	LPDDR4X	200ball																				
	BWME4X32H2A-24Gb-x		24G bit	768M×32	LPDDR4X	200ball																				
	BWME4X32H2A-32Gb-x		32G bit	1024M×32	LPDDR4X	200ball																				
	BW5R8X32H2A-32Gb-X		32G bit	1024M×32	LPDDR4X	200ball																				
	BW5RSX32H2A-32Gb-x		32G bit	1024M×32	LPDDR4X	200ball																				
	BW5R8X32H2A-32Gb-X		32G bit	1024M×32	LPDDR4X	200ball																				
	BW5RSX32H2A-32G-x		32G bit	1024M×32	LPDDR4X	200ball																				

256M16在RK3066、RK31xx平台上需要添加定频相关补丁。并且对参考层完整性要求较高，需要严格按照我们的板要求布板。

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Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3588S	RK3568	RK3566	RV1126/ RV1109	RV1108/RK3308/RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PX305	RK3326S/ PX30	RK1808/ RK1806	RK3399PRO CPU_RA M	NPU_RA M	RK3288	RK3368/RK3328A/RK3328B/RK3329/PX5	RK2904/RK2918	RK2928/RK3028A/RK3128/PX3-SE	RK2926/RK3026/RK3036/RK3036G /RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与顾客情况		
Q-CHIP	QN3B128M16H-13A		2G bit	128M×16	DDR3	96ball					S/A																	
	QN4LPD512M32M-32H		16G bit	512M×32	LPDDR4	200ball							N/A					N/A										
	QN3R256M16M-16G		4G bit	256M×16	DDR3	96ball														S/A								
XINCUN	XCCB256M16DP-EKNAH		4G bit	256M×16	DDR3	96ball									S/A	S/A												
HIKSEMI	HSEL4KSA2G-HD8		16G bit	512M×32	LPDDR4X	200ball			S/A	S/A																		
	HSEL4KFA4G-HD9		32G bit	1024M×32	LPDDR4X	200ball	S/A																					
KEYMOS	KL4X162BD-C2B		16G bit	512M×32	LPDDR4X	200ball			S/A	S/A																		
	KL4X322BQ-C7B		32G bit	1024M×32	LPDDR4X	200ball			S/A	S/A																		
Netsol	S5RG2G20CMS-MGJ		32G bit	512M×64	LPDDR4	366ball							N/A					N/A										
MT.MOSET	ED3E25608CE-P9		2G bit	256M×8	DDR3	78ball														S/A		S/A	S/A	N/A	S/A			
sSMART	S4B2G0846C-HYH9		2G bit	256M×8	DDR3	78ball														S/A						S/A	巴西颗粒，国内用的不多	
	S4B2G0846D-HYK0		2G bit	256M×8	DDR3	78ball														S/A						S/A		
WINS	VP5TQ1G0835-F9		1G bit	128M×8	DDR3	78ball																	✓					
	VP5TQ2G1635FFP-F9		2G bit	128M×16	DDR3	96ball																	✓	N/A	N/A			
	VP5TQ2G0835L-F9		2G bit	256M×8	DDR3	78ball																		✓				
ISDT	IL28R20E8H		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball														S/A								

IT																												
Manufacturer	Part Number	Product Status	Density	Organization	Type	package	RK3588 /RK3588S	RK3568	RK3566	RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326S/ PX305	RK3326/ PX30	RK1808/ RK1806	CPU RAM	NPU RAM	RK3288	RK3368/RK3228 A/RK3228B/RK3229/PX5	RK2904x RK2918	RK2928/RK3028A/RK3128/PX3-SE	RK2926/RK3026/ RK3036/RK3036G /RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与双兼容情况		
Micron	MT41K256M16TW-107 IT-P(D9SHG)		4G bit	256M×16	DDR3L	96ball							T/A					T/A		T/A								
	MT41K512M16VRP-107IT-P(D9ZWN)		8G bit	512M×16	DDR3L	96ball																						
Samsung	K4B4G1646E-8MMA		4G bit	256M×16	DDR3L	96ball							T/A					T/A										
Nanya	NT5CC256M16ER-EK1		4G bit	256M×16	DDR3L	96ball							T/A					T/A										
UnilC	SCB13H8G162BF-13K1		8G bit	512M×16	DDR3L	96ball							T/A					T/A										