Rockchip Solutions DDR SDRAM Support List

Ver 2.51

2022/1/17

NOTICE

Symbol

Symbol	Description
✓	Fully Tested and Mass production
T/A	Sample Tested and Applicable
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, orgainization, 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 '√' or 'T/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_ddr_XXXMHz_v1.22.bin and trust version rk3399_bl31_v1.28.elf. On RK3399pro, loader should be updated to rk3399pro_ddr_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 ddr 400MHz vX.XX.bin to merge loader.
- [7] On RK3568/RK3566, loader should be updated to rk3568_ddr_xxxMHz_v1.09.bin / rk3566_ddr_xxxMHz_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 cod

[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.



[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.



- [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, this product cannot work stably.

◆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_TPS659102_V12_20121024_1CELL
PX2	DDR3/DDR3L/LPDDR2	PX2_CAR_V11.pcb
RK3168/RK3188	DDR3/DDR3L/LPDDR2	RK3188-DDR3P416SS4-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
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_YWQ
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

	Tree	1
Revision No.	History ORG.	Date
2.00		2012.12.24
	Add some supporting messages	2013.01.28
2.02	Add some supporting messages	2013.05.17
2.04	Add some supporting messages	2013.10.07
2.04	Add some supporting messages	2014.01.08
	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 IMDZ56M16R4ABD8LY.IMD512M16R4AZDBJY,H9HCNNNBPUMLHR, H9CCNNNBITMLAR,H9CKNNNBPTMRLR, 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

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



Manufacturer	Part Number	Product Status	Density	Organization	Туре	package	RK3588 RK	3568	RK3566 RV1	126/	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399 RK3328	RK3326/ PX30		RK33	NPU_RA	RK3288	RK3368/RK322 8A/RK3228B/R K3229/PX5	RK290x RK2918		RK2926/RK3026 RK3036/RK3036 G/RK3126		与RE兼容情况
	MT47H64M16HR-25		1G bit	64M×16	DDR2	84ball									+	M	M			V				
	MT41J128M8JP-15E:G(D9MNL)		1G bit	128M×8	DDR3	78ball				_				_	_					V				+
	MT41K128M8DA-107:J(D9RDJ)		1G bit	128M×8	DDR3L	78ball		_															T/A	+
	MT41K64M16TW-107:J (D9SFT)		1G bit	64M×16	DDR3I	96ball					T/A													1
	MT41J128M16HA-15E:D(D9LGO)		2G bit	128M×16	DDR3	96ball		_			-,									√				1
	MT41J256M8HX-15E:D(D9LGK)		2G bit	256M×8	DDR3	78ball												T/A		✓	T/A	T/A	T/A	Ī
	MT41K256M8DA-125:K(D9PSH)		2G bit	256M×8	DDR3L	78ball												T/A		√	T/A	T/A	T/A	1
	MT41K256M8DA-125:M(D9PFJ)		2G bit	256M×8	DDR3L	78ball												T/A		T/A	T/A	T/A	T/A	Ī
	MT41K128M16HA-15E:D(D9LJM)		2G bit	128M×16	DDR3L	96ball				_						_		-,		V	-,	-,		+
	MT41K128M16JT-125:K(D9PTK)		2G bit	128M×16	DDR3L	96ball		_		_	T/A			_	_	_		T/A	T/A	V	T/A	T/A	T/A	+
								_			I/A				-		-	I/A	I/A	V	I/A	I/A	I/A	-
	MT41K128M16JT-107:K (D9PSZ)		2G bit	128M×16	DDR3L DDR3L	96ball		_	Т,	/A					T/A		T/A						(4)	-
	MT41K512M8RH-125:E(D9QBJ) MT41K512M8RG-107:N(D9RVX)		4G bit 4G bit	512M×8 512M×8	DDR3L DDR3L	78ball 78ball		_						_		_		T/A			T/A	T/A	T/A [1]	-
	MT41K512M8RG-107:N(D9RVX) MT41K512M8DA-107:P(D9SGQ)		4G bit	512M×8 512M×8	DDR3L DDR3L	78ball		_		_				_	_	_							T/A	+
	MT41K256M16RE-15E:D(D9PBF)		4G bit	256M×16	DDR3L	96ball	+	-		_				-		_				✓			1/A	+
	MT41K256M16HA-125:E(D9PXV)		4G bit	256M×16	DDR3L	96ball		_										T/A		V	T/A	T/A	T/A	+
	MT41K256M16HA-123.E(D9PAV)		4G bit	256M×16	DDR3L	96ball	+	-	-	/A	T/A	T/A	T/A T/A	T/A		T/A		T/A	T/A	_ v	T/A	T/A	T/A	+
	MT41K256M16EF-107:N(D9SDD)			256M×16	DDR3L DDR3L			_						T/A							1/4	1/A		-
			4G bit			96ball		_	T,	/A	T/A	T/A		T/A	T/A		T/A	T/A	T/A				T/A	-
	MT41K256M16TW-107 IT:P(D9SHG)		4G bit	256M×16	DDR3L	96ball		_					T/A		_	T/A								-
	MT41K512M16HA-125:A(D9STQ)	EOL	8G bit	512M×16	DDR3L	96ball							√			T/A								
	MT41K512M16HA-107:A(D9SDQ)	EOL	8G bit	512M×16	DDR3L	96ball												T/A					T/A	1
	MT41K512M16VRP-107IT:P(D9ZWN)		8G bit	512M×16	DDR3L	96ball												T/A						
	MT40A256M16GE-083E:B(D9TGQ)	EOL	4G bit	256M×16	DDR4	96ball						T/A	T/A		T/A		T/A							1
	MT40A256M16GE-075E:B (D9TGS)		4G bit	256M×16	DDR4	96ball				/A				T/A	T/A		T/A							-
	MT40A512M16TB-062E:J(D9WWP)		8G bit	512M×16	DDR4	96ball 96ball				/A					T/A		T/A							
Micron	MT40A512M16JY-083E:B(D9TBK) MT40A512M16LY-062E:E(D9WFJ)		8G bit 8G bit	512M×16 512M×16	DDR4 DDR4	96ball		/A	T/A	/A		T/A	T/A											兼容性好
	MT40A1G16WBU-083E:B(D9TPH)		16G bit	512M×16 1024M×16	DDR4	96ball		_	- '	/A		T/A	T/A		T/A		T/A							-
	MT40A1G16WBU-083E:B(D91PH) MT40A1G16KD-062E:E(D9ZFW)		16G bit	1024M×16 1024M×16	DDR4 DDR4	96ball	+	-/-	T/A T	/A		I/A	1/A	T/A	I/A	_	I/A							-
	MT40A1G16RD-062E:E(D92FW)		16G bit	1024M×16	DDR4	96ball			T/A 1.	/A				1/A										4
	MT40A2G16SKL-062E:B(D9XOF)		32G bit	2048M×16	DDR4	96ball			T/A															-
	W140A2G163KL-062E.B(D9AQF)	L	32G DIL	2040IVI× 16	DDR4	aonan		/A	1/A						-			-	4				-	+
	MT42L128M32D1GU-25 WT:A(Z9OHG)		4G bit	128M×32	LPDDR2	134ball								_	_	_	1	T/A					T/A	+
	MT42L256M16D1GU-18 WT:A(25Q11G)		4G bit	256M×16	LPDDR2	134ball		_			T/A							1/4					1/4	+
	MT42L128M64D2LL-25 WT:A(D9CG)		8G bit	128M×32×2Ch	LPDDR2	216ball		_		_	1/4			_	-			T/A					N/A	+
	MT52L256M32D1PF-107 WT:B(D9SRZ)		8G bit	256M×32	LPDDR3	178ball		-	т.	/A		T/A	T/A T/A	T/A	T/A	T/A	T/A	T/A					N/A	+
	MT52L512M32D2PF-107 WT:B(D9SSF)		16G bit	512M×32	LPDDR3	178ball		_		,,,		T/A	T/A T/A			T/A	.,	T/A	T/A					+
	MT53E128M16D1DS-046 WT:A(D9WXT)		2G bit	128M×16	LPDDR4/LPDDR4X[11]	200ball			-	/A		-7.	1/1 1/1	/-	_	.,,,		.,.	- '/-					+
	MT53E128M32D2DS- 046 WT:A(D9WXR)		4G bit	128M×32	LPDDR4/LPDDR4X ^[11]	200ball	+	-		/A														+
	MT53B256M32D1NP-062 WT:C(D9TFT)	EOL	8G bit	256M×32	LPDDR4	200ball				,			T/A			T/A								1
	MT53E256M32D2DS-053 WT:B(D9WRB)		8G bit	256M×32	LPDDR4/LPDDR4X[11]	200ball		_	T/A T	/A			T/A [4]			T/A [4]								+
	MT53E256M32D2FW-046 WT:B (D9ZKT)		8G bit	256M×32	LPDDR4/LPDDR4X[11]	200ball	T.	A [7]		/A			1/8			1/6								1
	MT53E384M32D2DS-053 WT:E (D9WRN)		12G bit	384M×32	LPDDR4/LPDDR4X[11]	200ball		_		/A														+
	MT53E384M32D2FW -046 WT:E (D8BBR)		12G bit	384M×32	LPDDR4/LPDDR4X[11]	200ball	T.	(A [7]	T/A [7]	,														1
	MT53B512M32D2NP-062 WT:C(D9TFW)	EOL	16G bit	512M×32	LPDDR4/LPDDR4X	200ball		_	1/6				T/A			T/A								+
	MT53D512M32D2DS-053 WT:D(D9WHZ)		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		_	T/A T	/A			T/A			T/A								†
	MT53E512M32D2NP-046 WT:E (D9WGB)		16G bit	512M×32	LPDDR4/LPDDR4X LPDDR4/LPDDR4X [11]	200ball	1 7			/A			T/A	1		T/A								†
	MT53E512M32D2FW-046 WT:D (D9ZZL)		16G bit	512M×32	LPDDR4/LPDDR4X ^[11]	200ball			T/A ^[7]					+	+	+ "								†
	MT53D1024M32D4DT-053 WT:D(D9WHV)	 	32G bit	1024M×32	LPDDR4/LPDDR4X ^[11]	200ball				/A				1										†
	MT53E2G32D4DE-046 WT:A (D9ZRD)		64G bit	2048M×32	LPDDR4/LPDDR4X[11]	200ball			T/A [7]	-														1
	MT53B512M64D4NK-053 WT:C(D9TGF)	EOL	32G bit	512M×64	LPDDR4	366ball	1 '						T/A	1		T/A								†
	MT53E512M64D4NK-046 WT:D(D9XPK)		32G bit	512M×64	LPDDR4	366ball							T/A			T/A								1
								_															1	1



											RV1108/					RK33	99PRO		RK3368/RK322		RK2928/RK3	RK2926/RK302	6/	
Manufacturer	Part Number	Product Status	Density	Organization	Туре	package	RK3588 R	K3568		V1126/ V1109		RK3228H	RK3399 RK3328	RK3326/ PX30	RK1808/ RK1806	CPU RA	NPU RA	RK3288	8A/RK3228B/R	RK290x RK2918	028A/RK312	RK3036/RK303	6 RK3066/RK3066A/PX2	与RE兼容情况
		Status		-					K	V1109	RK3308B-S			PASU	KKIOUO	м	м		K3229/PX5	KK2916	8/PX3-SE	G/RK3126	KK3100/KK3100/PA3	
	K4T1G164QE		1G bit	64M×16	DDR2	84ball														√				
	K4B1G0846G		1G bit	128M×8	DDR3	78ball												T/A		✓			T/A	
	K4B1G1646I-*C** K4B1G1646I-*Y**		1G bit	64M×16 64M×16	DDR3	96ball 96ball				T/A	T/A													
		-	1G bit							T/A	T/A							-		,				4
	K4B2G0846C		2G bit	256M×8	DDR3	78ball														√				
	K4B2G0846F-*Y**	-	2G bit	256M×8	DDR3L	78ball												T/A		,			T/A	4
	K4B2G1646C		2G bit 2G bit	128M×16	DDR3	96ball														V				
	K4B2G1646E K4B2G1646O		2G bit	128M×16 128M×16	DDR3 DDR3	96ball 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	_
	K4B2G1646F-*Y**		2G bit	128M×16	DDR3L	96ball				T/A	T/A	T/A	T/A	T/A	T/A		T/A	T/A	T/A	1/A	T/A	T/A	T/A	
	K4B4G0846E-*C**		4G bit	512M×8	DDR3	78ball				1/A	T/A	T/A	T/A		1/A		I/A	1/A	T/A		1/A	1/4	1/A	-
	K4B4G1646B-*C**		4G bit	256M×16	DDR3	96ball					"/"	- '/^	1/4	1/4				T/A	1/4	V	T/A	T/A	T/A	
	K4B4G1646Q-*Y**	EOL	4G bit	256M×16	DDR3I	96ball					T/A	T/A	V	T/A				T/A	T/A		T/A	T/A	T/A	-
	K4B4G1646D-*Y**	EOL	4G bit	256M×16	DDR3L	96ball					T/A	T/A	¥	T/A				T/A	T/A		T/A	T/A	T/A	
	K4B4G1646D-*C**	EOL	4G bit	256M×16	DDR3	96ball					75	-,^		- '/"			_	T/A	-/-		T/A	T/A	T/A	-
	K4W4G1646Q-*C**	LOL	4G bit	256M×16	DDR3	96ball												T/A			1/4	1/4	T/A	
	K4B4G1646E-*Y**		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	
	K4B4G1646E-*C**		4G bit	256M×16	DDR3	96ball		-,-		T/A	T/A	-75	T/A 1/A	T/A	T/A		T/A	T/A	T/A		T/A		T/A	1
	K4B4G1646E-BMMA		4G bit	256M×16	DDR3L	96ball				.,,,	- 7.5		T/A	- '/-	- '/"	T/A	,	.,,,	-//-		1/10		1/4	
	K4B8G1646D-*Y**	EOL	8G bit	512M×16	DDR3L	96ball						T/A		T/A		·/~		T/A						
	K4A4G165WE-*C**	202	4G bit	256M×16	DDR4	96ball			T/A			T/A	T/A		T/A	•	T/A							
	K4A4G165WF-*C**		4G bit	256M×16	DDR4	96ball		T/A		T/A		T/A	- V	T/A	- 7.5		- "-							
	K4A8G085WC-*C**		8G bit	1024M×8	DDR4	78ball		T/A		.,,,		-,,,		-/-			 							
	K4A8G165WB-*C**		8G bit	512M×16	DDR4	96ball				T/A		T/A	T/A		T/A		T/A							
	K4A8G165WC-*C**		8G bit	512M×16	DDR4	96ball		T/A		T/A		-,,,	1,74		T/A		T/A							
	K4AAG165WA-*C**		16G bit	1024Mx16	DDR4	96ball		T/A		T/A					T/A		T/A							
	K4ABG165WA-MC**		32G bit	2048M×16	DDR4	96ball		T/A																
		I	I		T.	1	1 1			'			1						1			1		兼容性好
	K3PE0E000A-XGC2		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball												T/A					N/A	K3PE0E000M RZQ需要
Samsung	K3PE0E000M-XGC2		16Gb/2Channel	256M×32×2Ch	LPDDR2	216ball												T/A					N/A	改为150ohm
	K4E8E304ED-EGCC		8G bit	256M×32	LPDDR3	178ball									T/A		T/A	T/A	T/A					K3PE0E000A-XGC2 RZ
	K4E8E304EE-EGCE		8G bit	256M×32	LPDDR3	178ball							T/A			T/A		T/A						需要改为NC
	K4E8E324EB-AGCF		8G bit	256M×32	LPDDR3	168ball													T/A					
	K4E8E324EB-EGCF		8G bit	256M×32	LPDDR3	178ball						T/A	T/A T/A	T/A		T/A		T/A	T/A					
	K4E8E324ED-EGCG		8G bit	256M×32	LPDDR3	178ball							T/A		T/A	T/A	T/A							
	K3QF1F10DM-AGCE		8Gb/2Channel	128M×32×2Ch	LPDDR3	253ball												T/A						
	K3QF1F10EM-BGCF		8G bit	128M×32×2Ch	LPDDR3	216ball												T/A						
	K4E6E304EE-EGCE	EOL	16G bit	512M×32	LPDDR3	178ball						T/A	T/A	T/A				T/A	T/A					
	K4E6E304EB-EGCF		16G bit	512M×32	LPDDR3	178ball						T/A	T/A T/A	T/A	T/A	T/A	T/A	T/A	T/A					
	K4E6E304EC-EG**		16G bit	512M×32	LPDDR3	178ball		T/A	T/A			T/A	T/A T/A	T/A		T/A		T/A						
	K4E6E304ED-EG**		16G bit	512M×32	LPDDR3	178ball				T/A			T/A	T/A	T/A	T/A	T/A	T/A						
	K4EBE304EC-EG**		32G bit	1024M×32	LPDDR3	178ball				T/A		T/A	T/A	T/A										
	K3QF3F30BM-QGCF	-	16G bit	256M×32×2Ch	LPDDR3	216ball												T/A						4
	K3QF3F30BM-BGCF		16G bit	256M×32×2Ch	LPDDR3	216ball												T/A					_	_
	K4F4E3S4HF-MG**		4G bit	128M×32 256M×32	LPDDR4 LPDDR4	200ball				T/A						-/-			1					4
	K4F8E304HB-MG**		8G bit	256M×32	LPDDR4	200ball 200ball		(7)		T/A			T/A			T/A								
	K4F8E3S4HD-MG**	-	8G bit 12G bit	256M×32 384M×32	LPDDR4			/A 1/1		T/A			T/A			T/A		-						4
	K4F2E3S4HM-MG** K4F6E3S4HM-MG**		12G bit	512M×32	LPDDR4	200ball 200ball			T/A [7]	T/A			T/A			T/A								
	K4F6E3S4HM-MG^^ K4F6E3S4HM-SG**		16G bit	512M×32	LPDDR4	200ball		T/A	T/A	1/A			1/4			1/A	-							_
	K4F6E3S4HM-SG** K4FHE3D4HM-MG**		24G bit	768M×32	LPDDR4	200ball	\rightarrow	1/A	T/A [7]							_	-	+	+	_			+	+
	K4U8E3S4AD-MG**		8G bit	256M×32	LPDDR4X	200ball		C (A [7]		N/A					_		_	+						+
	K4U6E3S4AD-MG**		16G bit	512M×32	LPDDR4X	200ball				N/A													+	+
	K4U6E3S4AA-MG** K4U6E3S4AB-MG**		16G bit	512M×32	LPDDR4X	200ball		T/A		.4/A														+
	K4UHE3D4AB-MG**		24G bit	768M×32	LPDDR4X	200ball			T/A															+
	K4UHE3D4AB-MG**	1	32G bit	1024M×32	LPDDR4X	200ball				N/A							_	+	+	_		1	+	+
	K4UBE3D4AA-MG** K4UBE3D4AB-MG**		32G bit	1024M×32 1024M×32	LPDDR4X LPDDR4X	200ball			T/A	14/M		_												
	K4UCE3Q4AA-MG**		64G bit	2048M×32	LPDDR4X	200ball		T/A																-
	K3RG2G20CM-MGCJ	EOL	32G bit	512M×64	LPDDR4	366ball		.,,,	.,,,				T/A [4]			T/A [4]								+
		LOL	JEG DIL	3 12 WI × U4	L 00114	Juopan							1/8						4					1



		Product						RV1126	, RV1108/				DV222C/	RK1808/	RK33	99PRO		RK3368/RK322	RK290x	RK2928/RK3	RK2926/RK3026/	RK3066/RK3066A/PX2	
Manufacturer	Part Number	Status	Density	Organization	Туре	package	RK3588 RK3568	RK3566 RV1126	KK3308/	RK3228H	RK3399	RK3328	PX30	RK1806	CRII PA	NDII DA	RK3288	8A/RK3228B/R	RK290X	028A/RK312		RK3168/RK3188/PX3	与RK兼容情况
		Status							RK3308B-5	•			. 200	10000	M M	M M		K3229/PX5	ICICES 10	8/PX3-SE	G/RK3126	KKS 100/ KKS 100/1 XS	
	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													✓				7
	H5TQ2G83CFR		2G bit	256M×8	DDR3	78ball											√		✓	V	√	✓	
	H5TQ2G83BFR		2G bit	256M×8	DDR3	78ball											√		T/A	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													√				1
	H5TQ2G63FFR	EOL	2G bit	128M×16	DDR3	96ball														T/A	T/A		T
	H5TO2G63GFR	EOL	2G bit	128M×16	DDR3	96ball			T/A	T/A		T/A	T/A				T/A	T/A		T/A	T/A	T/A	7
	H5TC2G63GFR	EOL	2G bit	128M×16	DDR3L	96ball			T/A					T/A		T/A		T/A		·			t
	H5TQ2G63DFR	EOL	2G bit	128M×16	DDR3	96ball			-,								T/A	-,	√			T/A	†
	H5TQ4G83AFR	EOL	4G bit	512M×8	DDR3	78ball											T/A			T/A	T/A	T/A ^[1]	i
									+											1/A	1/4		4
	H5TC4G83AFR	EOL	4G bit	512M×8	DDR3L	78ball											T/A					T/A [1]	1
	H5TQ4G83MFR	EOL	4G bit	512M×8	DDR3	78ball											T/A			T/A	T/A	T/A ^[1]	
	H5TC4G83BFR	EOL	4G bit	512M×8	DDR3L	78ball														T/A	T/A		7
	H5TQ4G63MFR	EOL	4G bit	256M×16	DDR3	96ball											T/A		V	T/A	T/A	T/A	i i
	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	T/A	†
	H5TC4G63AFR	EOL	4G bit	256M×16	DDR3L	96ball			,-	.,,,	-,,-	-,,-4	-,,-		-,-		T/A	- '/-	-,-	T/A	T/A	T/A	†
	H5TC4G63CFR	EOL	4G bit	256M×16	DDR3L	96ball			T/A	T/A		T/A	T/A				T/A	T/A		- 7.5	1,5	T/A	+
Hynix	H5TC4G63EFR	202	4G bit	256M×16	DDR3L	96ball		T/A		T/A	T/A		T/A		T/A		T/A	T/A				T/A	+
,	H5TO4G63EFR		4G bit	256M×16	DDR3	96ball		T/A		T/A	T/A			T/A	T/A	T/A	T/A	T/A				1/A	+
	H5TO4G63CFR	EOL	4G bit	256M×16	DDR3	96ball		1/4	T/A	T/A	T/A			1/4	T/A	1/4	T/A	T/A		T/A	T/A	T/A	+
	H5TC8G63AMR	EOL	8G bit	512M×16	DDR3L	96ball			1/A	1/A	T/A	1/A	1/A		T/A		1/A	1/4		1/4	1/A	1/A	-
	H5TC8G63CMR	EOL	8G bit	512M×16	DDR3L	96ball					1/A				1/A		T/A						+
	H5AN4G6NAFR	EOL	4G bit	256M×16	DDR3L DDR4	96ball			-	T/A		T/A		T/A		T/A	1/A						-
	H5AN4G6NBJR	LOL	4G bit	256M×16	DDR4	96ball		T/A	_	T/A		T/A		T/A		T/A							+
	H5AN8G6NAFR	EOL	8G bit	512M×16	DDR4	96ball		1/4	+	T/A		T/A	T/A	T/A		T/A							兼容性
	H5AN8G6NCJR	LOL	8G bit	512M×16	DDR4	96ball	T/A	T/A T/A	_	1/5		1/4	T/A	T/A		T/A							1
	H5AN8G6NDJR		8G bit	512M×16	DDR4	96ball	T/A			T/A		T/A	T/A	1/4		1/4							+
	HSANAG6NAMR		16G bit	1024M×16	DDR4	96ball	T/A	T/A T/A		1/4		1/A	T/A	T/A		T/A							+
	H5ANAG6NCMR		16G bit	1024M×16	DDR4	96ball	T/A						1/A	I/A		I/A							+
	H5ANAG6NCJR		16G bit	1024M×16	DDR4	96ball	T/A		_	T/A		T/A											+
	TISANAGONCIN		100 bit	1024101 ~ 10	DDIN	Joban	1/4	1/A		1//		1/4											+
	H9TCNNN8JDMMPR		8Gb/2CS	256M×32	LPDDR2	134ball			_		1	T	T				T/A	1	T			T/A	+
	H8TJR00X0MLR		8Gb/2CS	256M×32	LPDDR2	168ball											T/A					T/A	Ť
									+								1/6			m		1/A	+
	H9TKNNN8KDMPQR		8Gb/2Channel	128M×32×2Ch	LPDDR2	216ball														T/A [2]			1
	H9TKNNNBPDMRAR		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball											T/A					N/A	
	H9CCNNN8JTALAR	EOL	8G bit	256M×32	LPDDR3	178ball											T/A						1
	H9CCNNN8GTMLAR	EOL	8G bit	256M×32	LPDDR3	178ball				T/A		T/A	T/A		T/A		T/A						4
	H9CCNNN8JTMLAR	EOL	8G bit	256M×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	N/A	1
	H9CCNNNBJTALAR	EOL	16G bit	512M×32	LPDDR3	178ball				T/A	T/A		T/A		T/A								
	H9CCNNNBLTALAR	EOL	16G bit	512M×32	LPDDR3	178ball				T/A		T/A	T/A				T/A						1
	H9CCNNNBJTMLAR	EOL	16G bit	512M×32	LPDDR3	178ball				N/A	N/A	N/A			N/A		T/A	N/A	N/A	N/A	N/A	N/A	
	H9CKNNNBPTMRLR	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	N/A	1
	H9CKNNNCPTMRPR	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	N/A	
	H9HCNNN8KUMLHR	EOL	8G bit	256M×32	LPDDR4	200ball					N/A				N/A								T
	H9HCNNNBPUMLHR		16G bit	512M×32	LPDDR4	200ball					N/A				N/A								Ī
	H9HCNNNBKUMLHR		16G bit	512M×32	LPDDR4	200ball		T/A			T/A				T/A								1
	H9HCNNNBKUMLXR		16G bit	512M×32	LPDDR4	200ball		T/A			T/A				T/A								T .
	H9HCNNNCPUMLXR		32G bit	1024M×32	LPDDR4	200ball	T/A	T/A															7
	H9HCNNNBKMMLHR		16G bit	512M×32	LPDDR4X	200ball		T/A T/A															T .
	H9HCNNNCPMMLXR		32G bit/2cs	1024M×32	LPDDR4X	200ball	T/A [7]																1
	H9HCNNNFAMMLXR		64G bit	2048M×32	LPDDR4X	200ball	T/A		_														1
	H9HKNNNDBUMUBR	EOL	24G bit	384M×64	LPDDR4A	366ball	-//	.,-			N/A				N/A								+
	H9HKNNNCUUMUBR	EOL	32G bit	512M×64	LPDDR4	366ball					N/A				N/A								+
									_														4
	H9HKNNNCTUMUBR	EOL	32G bit	512M×64	LPDDR4	366ball			1	1	T/A	1	1	1	T/A	1		1	1	l	1		



lanufacturer	Part Number	Product	Density	Organization	Туре	package	RK3588 RK3568 RK3566	RV1126/	RV1108/ RK3308/	RK3228H	BK3390	RK3328		RK1808/	RK339		RK3288	RK3368/RK322 8A/RK3228B/R	RK290x		RK2926/RK3026 RK3036/RK3036	RK3066/RK3066A/PX2	与RK兼容情况
	T die reditibet	Status	Delisity	Organization	Туре	package	KK3366 KK3306	RV1109	RK3308F-S	KKJZZON	KK3333	KK3320	PX30	RK1806	CPU_RA I	NPU_RA	KK3200	K3229/PX5	RK2918	8/PX3-SE	G/RK3126	RK3168/RK3188/PX3	O MI TEXEAU
	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														Ī
	NT5CB64M16GP		1G bit	64M×16	DDR3	96ball			T/A									T/A			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					T/A	
	NT5CC128M8GN		1G bit	128M×8	DDR3L	78ball																T/A	
	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	1
	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					1
	NT5CC256M8IN		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	T/A	1
	NT5CB128M16HP		2G bit	128M×16	DDR3	96ball											T/A		T/A			T/A	1
	NT5CC128M16BP		2G bit	128M×16	DDR3L	96ball													√				1
	NT5CB128M16FP		2G bit	128M×16	DDR3	96ball		1		1							T/A		V	T/A	T/A	T/A	1
	NTSCC128M16IP	EOL	2G bit	128M×16	DDR3L	96ball			T/A								T/A	T/A		T/A	T/A	T/A	1
	NT5CB128M16IP	EOL	2G bit	128M×16	DDR3	96ball			T/A				T/A				T/A	T/A		T/A	T/A	T/A	1
	NT5CB128M16JR		2G bit	128M×16	DDR3	96ball		T/A	T/A				-,,					-,		-,	- 7	.,	1
	NT5CC128M16JR		2G bit	128M×16	DDR3L	96ball		T/A	T/A	T/A		T/A	T/A	T/A		T/A	T/A	T/A					i i
	NT5CB512M8DN		4G bit	512M×8	DDR3	78ball		-,	T/A	T/A		T/A				-7	-,	T/A					+
	NT5CB512M8BN		4G bit	512M×8	DDR3	78ball			.,	-,		-,	-7				T/A	-,,		T/A	T/A	T/A ^[1]	i i
																						-	
	NT5CC512M8CN		4G bit	512M×8	DDR3L	78ball											T/A			T/A	T/A	T/A ^[1]	
	NT5CC512M8DN		4G bit	512M×8	DDR3L	78ball			T/A	T/A		T/A	T/A					T/A				T/A	
Nanya	NT5CC512M8EN		4G bit	512M×8	DDR3L	78ball			T/A									T/A					兼容
	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	T/A	T/A	
	NT5CB256M16DP	EOL	4G bit	256M×16	DDR3	96ball											T/A						
	NT5CB256M16EP		4G bit	256M×16	DDR3	96ball		T/A	T/A	T/A	T/A	T/A	T/A		T/A			T/A					
	NT5CC256M16CP	EOL	4G bit	256M×16	DDR3L	96ball											T/A		T/A	T/A	T/A	T/A	
	NT5CC256M16DP	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	
	NT5CC256M16EP		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	
	NT5CC256M16ER		4G bit	256M×16	DDR3L	96ball		T/A	T/A	T/A	T/A	T/A	T/A		T/A		T/A	T/A					7
	NT5CC256M16ER-EKI		4G bit	256M×16	DDR3L	96ball					T/A				T/A								
	NT5AD256M16B2		4G bit	256M×16	DDR4	96ball				T/A		T/A		T/A		T/A							1
	NT5AD256M16D4		4G bit	256M×16	DDR4	96ball	T/A	T/A		T/A		T/A	T/A	T/A		T/A							
	NT5AD256M16E4		4G bit	256M×16	DDR4	96ball	T/A T/A																
	NT5AD512M16A4		8G bit	512M×16	DDR4	96ball								T/A		T/A							1
	NT5AD512M16C4		8G bit	512M×16	DDR4	96ball	T/A																
			<u> </u>		'		-	•							,						•		
	NT6TL128M32AQ		4G bit	128M×32	LPDDR2	168ball											T/A					T/A	
	NT6TL256F32AI		8G bit	256M×32	LPDDR2	134ball											T/A					T/A	T
	NT6TL256T32AI		8G bit	256M×32	LPDDR2	134ball											T/A					T/A	1
	NT6TL256T32AQ		8G bit	256M×32	LPDDR2	168ball											T/A					T/A	7
	NT6CL128M32BM		4G bit	128M×32	LPDDR3	178ball											T/A						1
	NT6CL128M32CM		4G bit	128M×32	LPDDR3	178ball					T/A			T/A	T/A	T/A							1
	NT6CL128M32DM		4G bit	128M×32	LPDDR3	178ball		T/A			T/A			T/A		T/A							1
	NT6CL256T32CM		8G bit	256M×32	LPDDR3	178ball				T/A	T/A	T/A	T/A	T/A	T/A	T/A							7
	NT6CL256T32BM		8G bit	256M×32	LPDDR3	178ball		1		T/A	T/A	T/A			T/A		T/A	T/A					1
	NT6CL256M32AM		8G bit	256M×32	LPDDR3	178ball		T/A		T/A	T/A		T/A	T/A		T/A	T/A	T/A					+
	NT6CL512T32AM		16G bit	512M×32	LPDDR3	178ball		T/A		T/A (5)	T/A		-,,-	.,,,	T/A		T/A [5]	T/A				1	-1
	NT6CL256T32AQ		8G bit	256M×32	LPDDR3	168ball		1/4		1/A	1/4	1/A***			1/6		I/A.	T/A					+
	NT6AN256T32AV		8G bit	256M×32	LPDDR3	200ball					N/A				N/A			1/5					+
	NT6AN1024F32AV		32G bit	1024M×32	LPDDR4	200ball	T/A T/A				14/74				IV/A								-
	NT6AP256T32AV		8G bit	256M×32	LPDDR4X	200ball	1/8 1/8	N/A															+
				512M×32	LPDDR4X	200ball	1 1 1	N/A					ı	1							1	1	_1



	Part Number	Product Status	Density	Organization	Туре	package	RK3588 RK3568 RK3566 RV1126/ RV1109	RV1108/ RK3308/ RK3308B-S	RK3228H	RK3399 RK3328	RK3326/ RK1808 PX30 RK180	RK3 CPU_RA M	NPU_RA M	RK3288	RK3368/RK322 8A/RK3228B/R K3229/PX5	RK290x RK2918	RK2928/RK3 028A/RK312 8/PX3-SE	RK2926/RK3026 RK3036/RK3036 G/RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与政兼容情况
	CXDQ2BFAMCG		4G bit	256M×16	DDR4	96ball	T/A T/A		T/A [6]	T/A [6]										
	CXDQ3BFAMCG CXDQ3BFAM-CO-A		8G bit 8G bit	512M×16 512M×16	DDR4	96ball 96ball	T/A T/A		T/A ^[6]	T/A ⁽⁶⁾										
CXMT	CXDB3ABAM-MK		8G bit	256M×32	LPDDR4/LPDDR4X[12]	200ball	T/A [7] T/A [7] T/A			T/A		T/A								
	CXDB4ABAM-MK		16G bit	512M×32	LPDDR4/LPDDR4X ^[12]	200ball	T/A [7] T/A [7] T/A			T/A		T/A								i
	CXDB5CCAM-MK		32G bit	1024M×32	LPDDR4/LPDDR4X[12]	200ball	T/A T/A													
				•						•		•	•						•	•
GigaDevice	GDQ2BFAA-CE		4G bit	256M×16	DDR4	96ball	T/A T/A T/A				T/A									
digapevice	GDQ2BFAA-CJ		4G bit	256M×16	DDR4	96ball	T/A T/A													
JHICC	CA4S4G16V-F9GNC		4G bit	256M×16	DDR4	96ball	T/A [8]													
	M14D1G1664A-1.8BG2S		1G bit	64M×16	DDR2	84ball		T/A												
	M15T1G1664A-DEBG2C M15T1G1664A-DEBG2CS		1G bit	64M×16 64M×16	DDR3L DDR3L	96ball	T/A	T/A												
	M1511G1664A-DEBG2C5		1G bit	64M×16	DDR3L	96ball	T/A											T/A		-
	M15T2G16128A-DEBG2L	EOL	2G bit	128M×16	DDR3L	96ball	1/4	T/A			N/A	-			T/A					-
	M15T2G16128A-DEBG2LS		2G bit	128M×16	DDR3L	96ball	T/A	T/A			T/A T/A		T/A	T/A	T/A					
	M15T2G16128A-DEBG2R		2G bit	128M×16	DDR3L	96ball	T/A				T/A				•					
ESMT	M15T4G16256A-DEBG2L	EOL	4G bit	256M×16	DDR3L	96ball			T/A	T/A	T/A									Ī
	M15F4G16256A-DEBG2L	EOL	4G bit	256M×16	DDR3	96ball		N/A	N/A	N/A	N/A				N/A					
	M15T4G16256A-DEBG2R		4G bit	256M×16	DDR3L	96ball					T/A									1
	M15T4G16256A-DEBG2G		4G bit	256M×16	DDR3L	96ball	T/A				T/A								1	4
	M15T4G16256A-DEBG2S M16U4G16256A-KJBG		4G bit 4G bit	256M×16 256M×16	DDR3L DDR4	96ball 96ball	T/A				T/A									1
	M16U4G16256A-KJBG M16U4G16256A-QLBG		4G bit	256M×16	DDR4 DDR4	96ball	T/A				T/A									+
	M56Z8G32256A-SMBIG		8G bit	256M×32	LPDDR4	200ball	1/A T/A				1/A									
					-					-		,								•
	SCB15H1G160CF-13K		1G bit	64M×16	DDR3	96ball		T/A				1	1							
	SCB15H1G160AF-13K		1G bit	64M×16	DDR3	96ball		T/A				1								-
	SCN13H2G160AF-13K		2G bit	128M×16	DDR3	96ball											T/A			
	SCB13H2G160AF-11M		2G bit	128M×16	DDR3L	96ball		T/A							T/A					
	SCB15H2G160AF-13K	EOL	2G bit	128M×16	DDR3	96ball					T/A									
UniIC	SCB13H2G160EF-09N		2G bit	128M×16	DDR3L	96ball	T/A	T/A			T/A T/A		T/A	T/A						
Uniic	SCB13H4G160AF-11M HXB15H4G800AF-13K		4G bit 4G bit	256M×16 512M×8	DDR3L DDR3	96ball 78ball	T/A	T/A 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	78ball 96ball		T/A						T/A	T/A		T/A	T/A		
	HXI15H4G160AF-13K		4G bit	256M×16	DDR3	96ball		1/A		T/A		T/A		1/A	1/A		1/A	1/A		-
	SCB13H8G162BF-11M		8G bit	512M×16	DDR3L	96ball	T/A		T/A	T/A T/A	T/A	T/A		T/A						
	SCB13H8G162BF-13KI		8G bit	512M×16	DDR3L	96ball				T/A		T/A								
	SCB12Q4G160AF-07Q		4G bit	256M×16	DDR4	96ball	T/A T/A T/A													
	HXB18T1G160AF-25D		1G bit															1		256M16在RK3066,
			IG DIL	64M×16	DDR2	84ball										✓				
	HXB18T2G160AF-25D		2G bit	128M×16	DDR2	84ball										√				RK31xx平台上需要添
SCSemicon	HXB15H2G800BF-15H		2G bit 2G bit	128M×16 256M×8	DDR2 DDR3	84ball 78ball								T/A			T/A	N/A	T/A	RK31xx平台上需要添 加定频相关补丁。并
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K		2G bit 2G bit 2G bit	128M×16 256M×8 128M×16	DDR2 DDR3 DDR3	84ball 78ball 96ball										√	T/A			RK31xx平台上需要添 加定频相关补丁。并 且对参考层完整性要
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K HXB15H4G800BF-15H		2G bit 2G bit 2G bit 4G bit	128M×16 256M×8 128M×16 512M×8	DDR2 DDR3 DDR3 DDR3	84ball 78ball								T/A		N/A [1]		N/A N/A	T/A [1]	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,需要严格遵
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K		2G bit 2G bit 2G bit	128M×16 256M×8 128M×16	DDR2 DDR3 DDR3	84ball 78ball 96ball 78ball										√	T/A			RK31xx平台上需要添 加定频相关补丁。并 且对参考层完整性要
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K HXB15H4G800BF-15H HXB15H4G160BF-15H		2G bit 2G bit 2G bit 4G bit 4G bit	128M×16 256M×8 128M×16 512M×8 256M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3	84ball 78ball 96ball 78ball 96ball		T/A						T/A		N/A [1]	T/A		T/A [1]	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,需要严格遵
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K HXB15H4G800BF-15H HXB15H4G160BF-15H		2G bit 2G bit 2G bit 4G bit 4G bit 4G bit	128M×16 256M×8 128M×16 512M×8 256M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3	84ball 78ball 96ball 78ball 96ball		T/A						T/A		N/A [1]	T/A		T/A [1]	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,需要严格遵
SCSemicon	HXB15H2G800BF-15H HXB15H2G160CF-13K HXB15H4G800BF-15H HXB15H4G160BF-15H		2G bit 2G bit 2G bit 4G bit 4G bit	128M×16 256M×8 128M×16 512M×8 256M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3	84ball 78ball 96ball 78ball 96ball		T/A T/A T/A						T/A	T/A	N/A [1]	T/A		T/A [1]	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,需要严格遵
	HXB15HZ6800BF-15H HXB15HZ6160CF-13K HXB15HZ600BF-15H HXB15HZ60BF-15H HXB15HZ616BF-15H W9751G6KB-25 W971G6KS-18 W631G6KB-12 W631G6KB-12	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 512M bit 1G bit 1G bit 1G bit	128M×16 256M×8 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2 DDR2 DDR3	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball		T/A T/A T/A						T/A		N/A [1]	T/A		T/A [1]	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,需要严格遵
SCSemicon	FX815HZ6800BF-15H FX815HZ616CF-13K FX815HZ6900BF-15H FX815HZ6160BF-15H FX815HZ6160BF-15H W9751G6K8-25 W971G6K8-12 W631G6K8-12 W631G6K8-12 W631G6KM-12 W631G6KM-12	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G bit 1G bit 1G bit 1G bit 1G bit 1G bit	128M×16 256M×8 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 64M×16	DDR2	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball 96ball		T/A T/A						T/A T/A		N/A [1]	T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ6600BF-15H FX819HAG800BF-15H FX819HAG800BF-15H W971G66KB-12 W971G66KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 256M×8 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 64M×16 64M×16 64M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball 96ball 96ball		T/A T/A T/A T/A [10]						T/A T/A	T/A	N/A N/A III	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX815HZ6800BF-15H FX815HZ660CBF-15K FX815HZ6800BF-15H FX815HZ6800BF-15H FX815HZ6800BF-15H W97751G6K8-25 W9776G6S8-18 W631G6K8-12 W631G6K8-12 W631G6K8-12 W631G6K8-12 W632G6K8-15	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G bit 1G bit 1G bit 1G bit 2G bit	128M×16 255M×8 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 128M×16 128M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2 DDR2 DDR3	84ball 78ball 96ball 78ball 96ball 96ball 84ball 84ball 96ball 96ball 96ball	N/A N/A N/A	T/A T/A T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A		N/A [1]	T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ6600BF-15H FX819HAG800BF-15H FX819HAG800BF-15H W971G66KB-12 W971G66KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12 W831G6KB-12	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 256M×8 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 64M×16 64M×16 64M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball 96ball 96ball	N/A N/A N/A T/A T/A	T/A T/A T/A T/A [10]	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	N/A N/A III	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ160CF-13K FX819HZ160CF-13K FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX813GGK8-12 FX813GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-15 FX832GGK8-15 FX832GGK8-15 FX832GGK8-15 FX832GGK8-15	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G bit 1G bit 1G bit 1G bit 2G bit	128M×16 255M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 128M×16 128M×16 128M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2 DDR2 DDR3	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball 96ball 96ball 96ball 96ball	T/A	T/A T/A T/A T/A [10]	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	N/A N/A III	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ160CF-13K FX819HZ160CF-13K FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX813GGK8-12 FX813GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-12 FX831GGK8-15 FX832GGK8-15 FX832GGK8-15 FX832GGK8-15 FX832GGK8-15	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 1G bit 1G bit 1G bit 1G bit 2G bit	128M×16 255M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 64M×16 128M×16 128M×16 128M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2 DDR2 DDR3	84ball 78ball 96ball 78ball 96ball 84ball 84ball 96ball 96ball 96ball 96ball 96ball	T/A	T/A T/A T/A T/A [10]	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	N/A N/A III	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H W971GGKSB-15 W971GGKSB-18 W971GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W952GGGKSB-15 W952GGGKSB-17 W952GGKSB-17 W952GKSB-17	EOL	2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 255M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 128M×16 32M×16 32M×16 32M×16	DDR2	84ball	T/A	T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ66CF-13K FX819HAG800BF-15H FX819HAG800BF-15H FX819HAG800BF-15H W971G658D-18 W931G66KB-12 W631G66KB-12 W631G6KB-12 W631G6KB-12 W631G6KB-12 W631G6KB-12 W631G6KB-14 W631G6KB-15 M632G6KB-15 M632G6KB-15 M632G6KB-15 M632G6KB-15 M632G6KB-16 M632G6	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 1G bit 2G bit 2G bit 4G bit 4G bit 1G	128M×16 255M×8 128M×16 128M×16 256M×16 32M×16 64M×16 64M×16 64M×16 128M×16 128M×16 128M×16 128M×16 32M×16 32M×16 32M×16 32M×16 32M×16 32M×16	DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR2 DDR2 DDR2 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR3 DDR4 LPDDR4 LPDDR4 LPDDR4 LPDDR4 DDR2 DDR2 DDR2 DDR3 DDR3 LPDDR4 LPDDR4 LPDDR4 LPDDR4 DDR2 DDR2 DDR2 DDR2 DDR2 DDR2 DDR4 LPDDR4 LPDDR4 DDR2 D	84ball 84ball 96ball 96ball 96ball 96ball 96ball 96ball 84ball 96ball 96ball 96ball 96ball 96ball 96ball 96ball 96ball 96ball 84ball 84ball 84ball	T/A	T/A T/A T/A T/A T/A N/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H THRS SHAGBOOBE-15H W971GGKSB-15 W971GGKSB-18 W971GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W951GGKSB-12 W952GGGKSB-15 W952GGGKSB-17 W952GGKSB-17 W952GKSB-17	EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 4G bit 1G bit 2G bit 2G bit 4G bit 4G bit 4G bit 512M bit	128M×16 255M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 128M×16 32M×16 32M×16 32M×16	DDR2	84ball	T/A	T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A N/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HZ616CBF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-12 FX821GGKB-12 FX821GKB-12 FX821GK	EOL	2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 256M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 32M×16 32M×16 32M×16 32M×16 32M×16	DDR2	84ball 76ball 96ball 96ball 96ball 96ball 84ball 84ball 96ball 84ball 84ball	T/A	T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HAG800BF-15H FX819HAG800BF-15H FX819HAG800BF-15H W971G66KB-12 W971G66KB-12 W631G66KB-12 W631G66KB-12 W631G66KB-12 W631G66KB-12 W631G66KB-12 W631G66KB-12 W631G66KB-14 W631G66KB-15 M632G66KB-12 W631G66KB-12 M632G66KB-12 M632G66KB-14 M632G66KB-15 M632G66KB-15 M632G66KB-15 M632G66KB-16 M632G66KB-16 M632G6KB-16 M632G6KB-18 EM68816CWQK-18H EM68816CWQK-18H		2G bit 2G bit 4G bit 4G bit 4G bit 4G bit 4G bit 1G	128M×16 256M×8 128M×16 128M×16 512M×8 256M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 32M×16 32M×16 32M×16 32M×16	DDR2	84bail 76bail 96bail 96bail 84bail 84bail 84bail 96bail 96bail 96bail 200bail 200bail 84bail 84bail 84bail 84bail	T/A	T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A N/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HAG800BF-15H FX819HAG800BF-15H FX819HAG800BF-15H FX819HAG800BF-15H FX819HZ616CF-15H FX819HZ616CF-15H FX819HZ616CF-15H FX819HZ616CF-15H FX819HZ616CF-15H FX819HZ616CF-15H FX819HZ61CF-15H FX819H FX819H FX819HZ61CF-15H FX819H FX819H FX819H FX819H FX	EOL	2G bit 2G bit 4G bit 1G	128M×16 255M×8 128M×16 128M×16 512M×8 2556M×16 32M×16 64M×16 64M×16 128M×16 128M×32 32M×16 32M×16 128M×32 128M×32 128M×32	DDR2	84bail 96bail 84bail 96bail 84bail 84bail 96bail 84bail 96bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	T/A	T/A	N/A	N/A N/A	N/A N/A	N/A	N/A	T/A T/A	T/A N/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ68008F-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HG8008F-15H FX819HG8008F-15H FX819HG8008F-15H W971G66K8-12 W971G66K8-12 W931G66K8-12 W931G6K8-12 W931G6K8-12 W931G6K8-12 W931G6K8-12 W931G6K8-12 W931G6K8-12 W931G6K8-14 W931G6K8-15 FX831G6K8-12 W931G6K8-12 W931G6K8-14 W931G6K8-15 FX831G6K8-15 FX83	EOL EOL EOL	2G bit 2G bit 2G bit 4G bit 4G bit 4G bit 4G bit 1G	128M×16 255M×8 128M×16 128M×16 32M×16 64M×16 64M×16 128M×16	DDR2	84ball 78ball 78ball 96ball 96ball 84ball 84ball 96ball 96ball 96ball 920ball 920ball 98ball 98ball 98ball 98ball 98ball 98ball	T/A	T/A	N/A	N/A N/A	T/A	N/A	N/A	T/A T/A	T/A N/A T/A T/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	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,需要严格遵
	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-12 FX819HZ680BF-12 FX819HZ680BF-12 FX8240GENB-12 FX8240GEN	EOL	2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 256M×8 128M×16 128M×16 32M×16 64M×16 64M×16 128M×16	DDR2	84bail 96bail 84bail 96bail 84bail 84bail 84bail 96bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	T/A	T/A	N/A	N/A N/A		N/A	N/A N/A	T/A T/A	T/A N/A	V N/A N/A [1] T/A	T/A T/A T/A	N/A	T/A ^[1] T/A	IKS18x平台上需要添加定频相关补下。并 加定频相关补下。并 且对参考层完整性要 来较高。需要严格遵 照我们的布板要求布
	FX819HZG800BF-15H FX819HZG16CF-13K FX819HZ16CF-13K FX819HZ600BF-15H FX819HZ600BF-15H FX819HZ60BF-15H FX819HZ60BF-15H FX819HZ60BF-15H FX811G6KB-12 FX811G6KB-12 FX831GGKB-12 FX831GKB-12 FX831GKB-1	EOL EOL EOL	2G bit 2G bit 4G bit 4G bit 4G bit 1G	128M×16 255M×8 128M×16 128M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 32M×16 128M×16	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 96bail 84bail 96bail 96bail 96bail 200bail 200bail 84bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail	T/A	T/A	N/A	N/A N/A	T/A T/A	N/A		T/A T/A T/A	T/A N/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A T/A T/A	N/A T/A N/A	T/A ⁵⁵ T/A T/A	版31x平台上需要添加定频相关补了。并 加定频相关补了。并 且对参考层完整性要 来较高,需要严格違 服我们的布板要求布
Winbond	FX819HZ6800BF-15H FX819HZ6160CF-13K FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-12 FX819HZ680BF-12 FX819HZ680BF-12 FX819HZ680BF-12 FX819HZ680BF-12 FX819HZ69BF-12 FX819HZ69B	EOL EOL EOL	2G bit 2G bit 2G bit 4G bit 4G bit 1G	128M×16 255M×16 128M×16 32M×16 64M×16 64M×16 128M×16	DDR2	84ball 78ball 96ball 96ball 84ball 96ball 96ball 84ball 96ball	T/A	T/A	N/A	N/A N/A	T/A T/A	N/A		T/A T/A	T/A N/A T/A T/A	V N/A N/A [1] T/A	T/A T/A T/A T/A T/A T/A T/A	N/A T/A T/A	T/A ^[1] T/A	IKS13x平台上需要添加定频相关计了。并 加定频相关小下。并 且对参考层完整性要 来较高。需要严格遵 照我们的布板要求布
Winbond	FX819HZ6800BF-15H FX819HZ616CF-13K FX819HZ616CF-13K FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-12 FX831GGKR8-12 FX831GKR8-12 FX	EOL EOL EOL	26 bit 26 bit 46 bit 47 bit 512M bit 512M bit 512M bit 512M bit 16 bit 17 bit 17 bit 18 bit 18 bit 19 bit 26 bit 26 bit 26 bit 26 bit 46 bit 46 bit 46 bit 46 bit 18 bit 19 bit 1	128M×16 256M×16 32M×16 64M×16 64M×16 128M×16 128M×16 128M×16 128M×16 128M×16 32M×16 128M×16	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 84bail 84bail 96bail 96bail 96bail 200bail 200bail 84bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail	T/A	T/A	N/A	N/A N/A	T/A T/A	N/A		T/A T/A T/A T/A T/A	T/A N/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A	T/A ^[5] T/A T/A T/A T/A	版 31 x 平 台 上 需要添 加定 频相 关
Winbond	FX819HZ68008F-15H FX819HZ6160F-13K FX819HZ61608F-15H FX819HZ61608F-15H FX819HZ61608F-15H FX819HZ61608F-15H FX819HZ61608F-15H FX819HZ61608F-15 FX819HZ61608F-12	EOL EOL EOL	2G bit 2G bit 4G bit 4G bit 512M bit 512M bit 1G bit 2G bit 2G bit 4G bit 1G bi	128M×16 256M×16 32M×16 64M×16 64M×16 128M×16	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 96bail 96bail 96bail 96bail 200bail 200bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	T/A	T/A			T/A T/A T/A	N/A	T/A	T/A T/A T/A	T/A N/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A T/A T/A T/A T/A	N/A T/A T/A	T/A ⁵⁵ T/A T/A	版31x平台上需要添加定频相关补了。并 加定频相关补了。并 且对参考层完整性要 来较高,需要严格違 服我们的布板要求布
Winbond	FX819HZG800BF-15H FX819HZG10CF-13K FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-15H FX819HZ60CBF-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GGKBR-12 W831GCKBR-12 W831GCKBR-12 W831GCKWL-13H EM66C1EVWL-13H EM66C1EVWL-12H EM6GC16EWKS-12H	EOL EOL EOL EOL	2G bit 2G bit 4G bit 4G bit 512M bit 512M bit 1G bi	128M×16 256M×16 128M×16 128M×16 32M×16 64M×16 64M×16 128M×16 1	DDR2	84bail 96bail 84bail 96bail 84bail 84bail 84bail 96bail 84bail 84bail 96bail	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 N/A T/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A N/A T/A N/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A T/A T/A T/A T/A	7/A ¹⁰ 1/A 1/A 1/A 1/A 1/A 1/A	IK31x平台上需要添加定频相关补下。并 加定频相关补下。并 且对参考层完整性要 来较高,需要严格遵 照我们的布板要求布
Winbond	FX819HZ68008F-15H FX819HZ6160EF-13K FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6160BF-12 FX819HZ6160BF-1	EOL EOL EOL EOL	2G bit 2G bit 4G bit 4G bit 512M bit 512M bit 1G bi	128M×16 256M×16 32M×16 64M×16 64M×16 128M×16 1	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 84bail 96bail 96bail 96bail 200bail 200bail 84bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	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 N/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A	T/A ^[5] T/A T/A T/A T/A	IRS21sx平台上需要終 加定領相关外 見対参与层完整件設 東収布。需要を 東収布。 現他 の の の の の の の の の の の の の
Winbond	FX819HZ68008F-15H FX819HZ6160CF-13K FX819HZ6160BF-15H FX819HZ6160BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BB-15H FX819HZ680BB-12 FX819HZ680BB-12 FX819HZ680BB-12 FX8219HZ680BB-12 FX8	EOL EOL EOL EOL EOL EOL	2G bit 2G bit 4G bit 4G bit 512M bit 512M bit 512M bit 512M bit 6 bit 7	128M×16 256M×16 32M×16 64M×16 64M×16 128M×36 128M×16 1	DDR2	84bail 96bail 84bail 96bail 84bail 84bail 84bail 84bail 96bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	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 N/A T/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A N/A T/A N/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A T/A T/A T/A T/A	7/A ¹⁰ 1/A 1/A 1/A 1/A 1/A 1/A	IRS21sx平台上需要終 加定領相关外 見対参与层完整件設 東収布。需要を 東収布。 現他 の の の の の の の の の の の の の
Winbond	FX819HZ68008F-15H HX819HZ6160EF-13K HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-12 HX819HZ6160BF-12 HX819HZ6160BF-12 HX819HZ6160BF-12 HX82160BF-12 HX82160BF-13 HX82260BF-13 H	EOL EOL EOL EOL	2G bit 2G bit 4G bit 51	128M×16 256M×16 128M×16 32M×16 64M×16 64M×16 128M×16 1	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 84bail 96bail 96bail 96bail 96bail 200bail 200bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	7/A 7/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 T/A T/A T/A T/A T/A T/A	T/A N/A T/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A N/A T/A N/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A T/A T/A T/A T/A	7/A ¹⁰ 1/A 1/A 1/A 1/A 1/A 1/A	IK31x平台上需要添加定频相关补下。并 加定频相关补下。并 且对参考层完整性要 来较高,需要严格遵 照我们的布板要求布
Winbond	FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ6800BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-15H FX819HZ680BF-12	EOL EOL EOL EOL EOL EOL	2G bit 2G bit 2G bit 4G bit 1G	128M×16 128M×1	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 84bail 96bail 96bail 96bail 200bail 200bail 200bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	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 T/A T/A T/A T/A	T/A N/A T/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A N/A T/A N/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A T/A T/A T/A T/A	7/A ¹⁰ 1/A 1/A 1/A 1/A 1/A 1/A	IK31x平台上需要添加定频相关补下。并 加定频相关补下。并 且对参考层完整性要 来较高,需要严格遵 照我们的布板要求布
Winbond	FX819HZ68008F-15H HX819HZ6160EF-13K HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-15H HX819HZ6160BF-12 HX819HZ6160BF-12 HX819HZ6160BF-12 HX819HZ6160BF-12 HX82160BF-12 HX82160BF-13 HX82260BF-13 H	EOL EOL EOL EOL EOL EOL	2G bit 2G bit 4G bit 51	128M×16 256M×16 128M×16 32M×16 64M×16 64M×16 128M×16 1	DDR2	84bail 78bail 96bail 96bail 84bail 84bail 84bail 96bail 96bail 96bail 96bail 200bail 200bail 84bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail 96bail	7/A 7/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	T/A T/A T/A T/A T/A T/A T/A	T/A N/A T/A T/A T/A T/A	N/A N/A N/A N/A N/A	T/A T/A T/A N/A T/A N/A T/A T/A T/A T/A T/A T/A	N/A T/A N/A T/A T/A T/A T/A	7/A ¹⁰ 1/A 1/A 1/A 1/A 1/A 1/A	版 31 x 平 台 上 需要添 加定 频相 关



		Ddd							merca	RV1108/				DK333C;	DV1000:	RK335	99PRO		RK3368/RK322	DWOOG		RK2926/RK3026/		
Manufacturer	Part Number	Product Status	Density	Organization	Туре	package	RK3588 RI	K3568 RK	3566 RV110		RK3228H	RK3399	RK3328	RK3326/ PX30	RK1808/ RK1806			RK3288	8A/RK3228B/R K3229/PX5	RK290x RK2918		RK3036/RK3036		
											<u></u>					м	м		K3229/PX5		8/PX3-SE	G/RK3126		
	A3R12E40DBF-AH A3T1GF40CBF-HP		512M bit 1G bit	32M×16 64M×16	DDR2 DDR3	84ball 96ball		N/A N	I/A N/A	T/A N/A	N/A	NIZA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	A3T1GF40CBF-GM		1G bit	64M×16	DDR3	96ball		•	I/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	
	A3T2GF40BBF-GM		2G bit	128M×16	DDR3	96ball		.,	.,	N/A	1,411		,	,	,	,	.,,		.,,	.,,	T/A	1,,11	.,,	
	A3T4GF40ABF-GM		4G bit	256M×16	DDR3	96ball					T/A	1	T/A	T/A										
								•	•	•			•				•				•	•		
	1			64M×16		96ball																		
ISSI	IS43TR16640B-125KBL IS43TR16128C-125KBL		1G bit 2G bit	64M×16 128M×16	DDR3	96ball 96ball				T/A T/A	+	+		T/A	T/A		T/A		T/A					
	IS43TR16512BL-125KBLI		8G bit	512M×16	DDR3L	96ball				1/A	_	T/A		1/4	1/A	T/A	1/A		1/A		T/A			
		I I		312.00	DDIGE						1	1				.,					,,,,,			
	PME810816CBR-G8DN		1G bit	64M×16	DDR2	84ball								,										
	PMF510816ABR-G8DN		1G bit	64M×16	DDR2 DDR3	96ball				T/A	_									V				
	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			1												
	PMF412816HBR-KADN		4G bit	256M×16	DDR3L	96ball								T/A										
	PMF512816BBR-KADN		4G bit	256M×16	DDR3	96ball												T/A					T/A	ļ
	PMF512816DBR-KADN PMF512816HBR-KADN		4G bit 4G bit	256M×16 256M×16	DDR3 DDR3	96ball 96ball					+	+						T/A [9]			T/A	T/A	T/A	
	PMF512816HBR-NCDN		4G bit	256M×16	DDR3	96ball			T/A		-	-	_					1/A***						
	PMF412816FBR-KADN		4G bit	256M×16	DDR3L	96ball					1	1						T/A						
	TMF42G6HBR-NCDN		2G bit	128M×16	DDR3L	96ball			T/A															
τ Memory	TMF54G6HBR-KADN		4G bit	256M×16	DDR3	96ball												T/A [9]						
	TMF54G6HBR-NCDN		4G bit	256M×16	DDR3	96ball			T/A			<u></u>												
	ISTQ4G63EFR		4G bit	256M×16	DDR3	96ball					T/A		T/A	T/A										
Essencore	EL38NMAAA1-PBER EL4BPMBBB1-S4ER		8G bit 16G bit	256M×32 512M×32	LPDDR3 LPDDR4	178ball 200ball		N/A N	I/A N/A	N/A	N/A	T/A N/A	N/A	N/A	N/A	T/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	ECHOP WIDDD 1-34EK		100 bit	312101~32	LF DDIN4	2000811		N/A	1/A 14/A	III/A	IV/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	IN/A	
									_	_											1	ı		
	PE918-15E (PRN256M8V79DG8GQF-15E)		2G bit	256M×8	DDR3	78ball												T/A		T/A	T/A	T/A	T/A	
	PE936-15E											+												
	(PRN256M8V89CG8GQF-15E)		2G bit	256M×8	DDR3	78ball												N/A		T/A	T/A	T/A	N/A	
	PEB08-15E		4G bit	512M×8	DDR3	78ball												T/A			T/A	T/A	T/A [1]	
	(PRN512M8V80AG8RHF-15E)		4G DIT	512M×8	DDR3	/8Dall												I/A			I/A	1/A	T/A ***	
	PEB15-15E		4G bit	256M×16	DDR3	96ball												T/A		T/A	T/A	T/A	T/A	
	(PRN256M16V80AG8GPF-15E)																					·		
	PEB16-15E (PRM256M16V80AG8GPF-15E)		4G bit	256M×16	DDR3	96ball					4							T/A			T/A	T/A	T/A	
	PEG17										+	+												
	(SUU256M16V90BG8LY_125TP)		4G bit	256M×16	DDR3	96ball																T/A		
	PE039		4G bit	256M×16	DDR3	96ball				T/A									T/A					
	(SUU256M16V90BG8LY-125TP)		4G Dit	236WI×16	DDRS	Sobali				1/4									1/4					
	PE029		4G bit	256M×16	DDR3	96ball			T/A					T/A										
	PRN256M16V00HG8GNF-125																							
SPECTEK	Z9QHG (SM128MX32U80MD1LGU-25FT)		4G bit	128M×32	LPDDR2	96ball												T/A					T/A	MICRON子品牌, 兼容性良好
	PB047											——												ALL IN PLA
	(SS256M32V01MD1LPF-107BT)		8G bit	256M×32	LPDDR3	178ball					N/A	N/A	N/A	N/A										
	PB008		16G bit	512M×32	LPDDR3	178ball						T/A				T/A								
	(SM512M322E0FD4LHL)		100 bit	312101~32	LFDDRS	1700811						.//				1/4								
	PS006		8G bit	256M×32	LPDDR4	200ball						N/A				N/A								
	(SU256M32Z01MD1BNP) PS007										-		_											}
	(SU512M32Z01MD2BNP)		16G bit	512M×32	LPDDR4	200ball						T/A				T/A								
	(PS086)										+	+												}
	SU256M64Z00MD4DKN		16G bit	256M×64	LPDDR4	366ball						T/A				T/A								
	PS004		32G bit	512M×64	LPDDR4	366ball						T/A				T/A								
	(SM512M64Z91MD4BNK)		32G DIL	312IVI×04	LPDDR4	Soonail						1/4				1/A								
	PS035		32G bit	512M×64	LPDDR4	366ball						T/A				T/A								
	(SU512M64Z01MD4BNK)							_			_													
			32G bit	512M×64	LPDDR4	366ball						T/A				T/A								
	(Control of the Control of the Contr												1											1
	PS013 (SM512M64Z01MD4BNK)		32G bit	512M×64	LPDDR4	366ball						T/A				T/A								



										RV1108/						RK339	9PRO		RK3368/RK322		RK2928/RK3	RK2926/RK3026/		
Manufacturer	Part Number	Product Status	Density	Organization	Туре	package	RK3588	RK3568 RK35	66 RV1126/ RV1109	RK3308/ RK3308B-S	RK3228H	RK3399	RK3328	RK3326/ PX30	RK1808/ RK1806	CPU_RA	NPU_RA	RK3288	8A/RK3228B/R K3229/PX5	RK290x RK2918		RK3036/RK3036 G/RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与RI兼容情况
	P3R1GE4CFF-G8E		1G bit	64M×16	DDR2	84ball										м	м			V				
	P3R1GE3FGF-G8E		1G bit	128M×8	DDR2	84ball														~				İ
	P2P2GF4ALF-GGN		2G bit	128M×16	DDR3	96ball				T/A									T/A					I
	P2P2GF4ALF-GJS		2G bit	128M×16	DDR3	96ball				T/A	T/A		T/A	T/A										1
MIRA	P3P4GF3BLF-GGN		4G bit	512M×8	DDR3	78ball												N/A			T/A	N/A	N/A	
	P3P4GF4BLF-GGN P3P4GF4BLF-GJS		4G bit	256M×16 256M×16	DDR3 DDR3	96ball 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	N/A N/A	N/A N/A	N/A N/A	N/A	N/A N/A	-
	P3P4GF4BKF-GJS P3P4GF4DMF-GJS		4G bit	256M×16	DDR3	96ball		N/A N/A	T/A	N/A	T/A	N/A	T/A	T/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	P5M4GK4CMF-GMX		4G bit	256M×16	DDR4	96ball			1/A		1/4		1/A	1/A	T/A		T/A							•
	1 SIFFORMERIN GHAX		40 510	230111110	DDIT	300011								l.	1,5		1/14							I.
	D1216ECMDXGJD		2G bit	128M×16	DDR3L	96ball			T/A			T		T/A										
	D5128EETBPGGBU		4G bit	512M×8	DDR3	78ball												T/A			T/A	T/A	T/A	Ī
	D2516EC4BXGGB	EOL	4G bit	256M×16	DDR3L	96ball				T/A [3]								T/A ^[3]	T/A [3]		T/A [3]	T/A ^[3]	T/A ^[3]	1
	D2516ECMDXGJD		4G bit	256M×16	DDR3L	96ball			T/A	T/A	T/A		T/A	T/A	T/A		T/A	T/A	T/A					
	D2516JC4BXGJD		4G bit	256M×16	DDR3	96ball												T/A						
	B5116ECMDXGJD D2516ACPCXGRK		8G bit 4G bit	512M×16 256M×16	DDR3L DDR4	96ball 96ball		T/A T/A	T/A			T/A		T/A		T/A		T/A						256M16ÆRK3066,
	D5116AH8CXGUM		8G bit	512M×16	DDR4	96ball		T/A T/A			T/A		T/A	1/A										RK31xx平台上需要添
	D2532LA3WLGJA		8G bit	256M×32	LPDDR3	178ball		1/K 1/F	1//		1/A		1//		T/A		T/A		T/A					加定频相关补丁。并
Kingston	D2532LA6MLGJA		8G bit	256M×32	LPDDR3	178ball					T/A		T/A	T/A			T/A		174					且对参考层完整性要
	KB23AADL3E08G		8G bit	512M×16	LPDDR3	178ball												T/A						求较高,需要严格遵 照我们的布板要求布
	D2516PC1CDGPLR		8G bit	256M×32	LPDDR4	200ball						T/A				T/A								無找刊的 中极安米市 板。
	B1621PC6FDGUKR		16G bit	512M×32	LPDDR4	200ball		T/A [7] T/A																I
	Q5116PH1MDGPAR	EOL	16G bit	512M×32	LPDDR4	200ball		N/A N//	,	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	1
	B5116PH3MDGPAR		16G bit	512M×32	LPDDR4	200ball		TP:	T/A			T/A				T/A								↓
	B1621XH5ADGTKR B2421XC4FDGTKR		16G bit 24G bit	512M×32 768M×32	LPDDR4X LPDDR4X	200ball 200ball		T/A T/A T/A T/A																
	B3221XC5GDGTKR		32G bit	768M×32 1024M×32	LPDDR4X LPDDR4X	200ball 200ball		T/A T/A T/A T/A																
	BSEETACSGEGTAN		32G Bit	1024101×32	Er DDINAX	2000811		1/A · · 1/A	N/A															
	F60C1A0002-M6		2G bit	128M×16	DDR3L	96ball			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		T/A	T/A		T/A			1
	F62C1A0004-M5		4G bit	256M×16	DDR4	96ball		T/A T/A	T/A															
	FD4V10004-22		4G bit	256M×16	DDR4	96ball								T/A]
	FD45116ZSA062C		8G bit	512M×16	DDR4	96ball		T/A T/A	A															
	NCLD3B1128M32		4G bit	128M×32	LPDDR3	178ball								T/A										
FORESEE	NCLD3B2256M32 NCLD4C1MA256M32		8G bit/ 2cs 8G bit	256M×32 256M×32	LPDDR3	178ball 200ball						T/A				T/A T/A		T/A						-
PORESEE	NCLDXC1MG256M32		8G bit	256M×32	LPDDR4/LPDDR4X[11]	200ball		N/A N//	A T/A			T/A				T/A								-
	FL4C2001G-D9		8G bit	256M×32	LPDDR4/LPDDR4X	200ball		N/A N//	T/A			1/A				1/A								-
	FLXC2002G-N2		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		T/A T/A																
	FLXC2002G-26		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		T/A T/A																†
	NCLD4C2MA512M32	EOL	16G bit	512M×32	LPDDR4	200ball						T/A				T/A								
	NCLDXC1MC512M32		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball						T/A				T/A								
	NCLDXC1MJ512M32		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		T/A [7] T/A	[7] T/A			T/A				T/A								
				256M×16		96ball																		1
	BWPDD3X16A9B-04Gb BWSD3X16N8B-04Gb		4G bit 4G bit	256M×16 256M×16	DDR3L DDR3L	96ball 96ball			T/A T/A	N/A		T/A				T/A								
	BWSD3X16N8B-04Gb		4G bit	256M×16	DDR3L DDR4	96ball		T/A T/A																+
	BW52L256M32D1PF		8G bit	256M×32	LPDDR3	178ball		1/K 1/F	1//			T/A				T/A								
	BW52L512M32D2PF		16G bit	512M×32	LPDDR3	178ball						,,			T/A	-,	T/A		T/A					
	BWMD4X32H2A-08Gb		8G bit	256M×32	LPDDR4	200ball						N/A				N/A								†
	BWMECX32H2A-08Gb		8G bit	256M×32	LPDDR4	200ball			T/A															Ī
BIWIN	BWMD4X32H2A-16Gb		16G bit	512M×32	LPDDR4	200ball						T/A				T/A								1
	BWME9X32H2A-16Gb		16G bit	512M×32	LPDDR4	200ball		T/A				T/A				T/A								4
	BWME9X32H2A-16Gb-x BWSR8X32H2A-16Gb-x		16G bit 16G bit	512M×32 512M×32	LPDDR4X LPDDR4X	200ball 200ball		T/A T/A		_		_												1
	BWSRSX32H2A-16Gb-x BWSRSX32H2A-16Gb-x		16G bit 16G bit	512M×32 512M×32	LPDDR4X LPDDR4X	200ball 200ball		T/A T/A																+
	BWME4X32H2A-16GD-x BWME4X32H2A-24Gb-x		24G bit	768M×32	LPDDR4X LPDDR4X	200ball		T/A T/A																†
	BWMEDX32H2A-32Gb-x		32G bit	1024M×32	LPDDR4X	200ball		T/A [7] T/A																†
	BWSRSX32H2A-32G-x		32G bit	1024M×32	LPDDR4X	200ball		T/A T/A																
	RS128M16VRDK-93BT		2G bit	128M×16	DDR3L	96ball								T/A										
	RS256M16V0DB-107AT		4G bit	256M×16	DDR3	96ball															T/A			<u> </u>
	RS128M32LD3D1LMZ-125BT		4G bit 4G bit	256M×16 128M×32	DDR4 LPDDR3	96ball 178ball		T/F	T/A					T/A										+
	RS256M32LD3D1LMZ-125BT		8G bit	256M×32	LPDDR3	178ball			T/A					1/5										
	RS128M32LZ4D1ANP-75BT		4G bit	128M×32	LPDDR4	200ball			T/A															†
RAYSON	RS256M32LZ4D1ANP-75BT		8G bit	256M×32	LPDDR4	200ball			T/A			T/A				T/A								†
	RS512M32LZ4D2ANP-75BT		16G bit	512M×32	LPDDR4	200ball			T/A			T/A				T/A]
	RS512M32LM4D2BDS-53BT		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		T/A T/A	1]
	RS768M32LB4D2BDS-53BT		24G bit	768M×32	LPDDR4/LPDDR4X ^[11]	200ball		T/A T/A																
	RS1G32LF4D2BDS-53BT RS2G32LF4D4BDT-53BT		32G bit 64G bit	1024M×32 2048M×32	LPDDR4/LPDDR4X ^[11]	200ball 200ball		T/A T/A																
	NOCOUCEPHUMBUT-DOBT		D4G DIT	2048M×32	LPDDR4/LPDDR4X ⁽¹⁾	ZUUDAII		1/8 1/8																
	TAKEN THE CONTRACTOR		2G bit	1201416	DDB31	OChall			T/A					T/A										1
Dosilicon	FM38E16SAB-9MGD FM38F16SBB-9MGD		2G bit 4G bit	128M×16 256M×16	DDR3L DDR3L	96ball 96ball			T/A					T/A T/A				T/A						+
		1	45 Dit	EJOINIA TO	DONOL	Joban				1	1			-,-				-/-			1		1	ı.



									RV1108/RK					RK3	99PRO		RK3368/RK322		RK2928/RK3	RK2926/RK3026/		
Manufacturer	Part Number	Product Status	Density	Organization	Туре	package	RK3588 RK356	8 RK3566 RV1126, RV1109	3308/RK33 08B-S	RK3228H	RK3399 F	RK3328 P.	K3326/ RK180 X30 RK18	06 CPU_RA		RK3288	8A/RK3228B/R K3229/PX5	RK290x RK2918	028A/RK312 8/PX3-SE	RK3036/RK3036 G/RK3126	RK3066/RK3066A/PX2 RK3168/RK3188/PX3	与RE兼容情况
	GD81B32MJ0-41M2		8G bit	256M×32	LPDDR4	200ball		T/A	000 5					М	М		KSEES/1 KS		0,1 X3 3E	G/III.S 120		
GCAI	GD82D32MJ0-42M3		16G bit	512M×32	LPDDR4X	200ball		T/A														
GCAI	GDA2D32MJ0-42M6		24G bit	768M×32	LPDDR4X	200ball	T/A															
	GDB2D32MJ0-42M7		32G bit	1024M×32	LPDDR4/LPDDR4X[11]	200ball	T/A	7 T/A [7]														
																			*			
	IMD128M16R322J8LY		2G bit	128M×16	DDR3L	96ball	1	1					T/A									I
	IMD256M16R30HG8GNF-107		4G bit	256M×16	DDR3L DDR3	96ball					T/A		N/A	T/A								
	IMD256M16R324J8LY		4G bit	256M×16	DDR3L	96ball		T/A			T/A		T/A	T/A		T/A						+
	IMD512M16R31AG8GPF		8G bit	512M×16	DDR3	96ball		17.			T/A		1/1	T/A		-,,,						
ICMAX	IMD512M16R4DBD8LY		8G bit	512M×16	DDR4	96ball		T/A						_								
	IMD256M16R4ABD8LY		4G bit	256M×16	DDR4	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	
	IMD512M16R4AZD8JY		8G bit	512M×16	DDR4	96ball	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A N//		N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ī
	IMH256M32Z1D1DNP		8G bit	256M×32	LPDDR4	200ball		T/A			T/A			T/A								
	TN4G16D3CSEP-EK	1		256M×16	I	96ball		1 1														1
тмтс	TM8G32MD4LSA1-I4		4G bit 8G bit	256M×32	DDR3 LPDDR4	200ball					T/A T/A			T/A								
	TH16G32MD4LQM1-I4		16G bit	512M×32	LPDDR4	200ball					N/A			N/A								†
		-					-		-		,		-	,		-	ļ.					
	GH4061600HRL-1833		4G bit	256M×16	DDR3L	96ball				T/A		T/A	T/A									
Goldkey	GE4062666HD		4G bit	256M×16	DDR4	96ball		T/A														1
.,	GE8062666ND		8G bit	512M×16	DDR4	96ball		T/A														1
	GE8062400HD-1833		8G bit	512M×16	DDR4	96ball			1	L	ш		T//	•	T/A							<u> </u>
	EM47DM1688SBA		2G bit	128M×16	DDR3	96ball												N/A				
	EM47EM0888SBA-150		2G bit	256M×8	DDR3	78ball										T/A		T/A	N/A	N/A	T/A	†
	EM47EM1688SBA-150		4G bit	256M×16	DDR3	96ball												T/A				Ť
Eorex	EM47EM1688SBB-150A		4G bit	256M×16	DDR3	96ball										T/A			T/A	T/A	T/A	台湾颗粒厂商,
LUICA	EM47FM0888SBA-150		4G bit	512M×8	DDR3	78ball													T/A	T/A		兼容性较好
	EM47FM0888SBA-150A		4G bit	512M×8	DDR3	78ball													T/A	T/A		1
	EM47EM3288MBA-125		8G bit	256M×32	DDR3	136ball								_		T/A					T/A	-
	EM45FM3288LBA-187F		16Gb/2Channel	256M×32×2Ch	LPDDR2	220ball										T/A					N/A	
	H2A301G1656BC6C		1G bit	64M×16	DDR2	84ball			T/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A		N/A	N/A	N/A	
	H2A401G1666BFBC		1G bit	64M×16	DDR3	96ball			T/A													Ī
axeme	H2A402G1666BFBC		2G bit	128M×16	DDR3	96ball													T/A	T/A		Ī
	H2A404G1666CFMC		4G bit	256M×16	DDR3	96ball				T/A		T/A	T/A									
	H2A404G0866CD8C		4G bit	512M×8	DDR3	78ball										T/A					T/A	
Sinker	SNB2816S21PS13		2G bit	128M×16	DDR3L	96ball		T/A														
Sinker	SNB5616S21PS13		4G bit	256M×16	DDR3L	96ball		T/A					T/A									Ī
									•									•	•			
	T	1			100			1 1	1								T				I	T
SCY	D4A16G32D2V-DC		16G bit	512M×32	LPDDR4/LPDDR4X[11]	200ball		T/A														
	HG-DR30232-62001		4G bit	256M×16	DDR3L	96ball					T/A			T/A		T/A			1			
Hosin	HG512M32D2PDA1-H2		16G bit	512M×32	LPDDR4X	200ball	T/A	T/A			,,			.,		-,						
	HG768M32D4LQM1-H1		24G bit	768M×32	LPDDR4	200ball	N/A	N/A N/A														
	•									. —									-			
	I		1G bit		DDR2	84hall										N/A			N/A	N/A	N/A	T
																N/A	N/A	✓	N/A	N/A	N/A	+
ProMOS	V59C1G01168QBASXJ25			64M×16						N/A	N/A	N/A	N/A	N/A				-1				I .
ProMOS	V73CAG01808RA JI9		1G bit	128M×8	DDR3	78ball 84ball				N/A N/A	N/A	N/A	N/A	N/A		N/A	N/A	√	N/A	N/A	N/A	Ī
ProMOS						78ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,		N/A	N/A		N/A	N/A	N/A	
	V73CAG01808RA JI9 V59C1G02168QB		1G bit 2G bit	128M×8 128M×16	DDR3 DDR2	78ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,			N/A		N/A	N/A	N/A	
Q-CHIP	V73CAG01808RA JI9 V59C1G02168QB QN3R256M16M-16G		1G bit 2G bit 4G bit	128M×8 128M×16 256M×16	DDR3 DDR2 DDR3	78ball 84ball 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	
	V73CAG01808RA JI9 V59C1G02168QB		1G bit 2G bit	128M×8 128M×16	DDR3 DDR2	78ball 84ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,			N/A		N/A	N/A	N/A	
Q-CHIP	V73CAG01808RA JI9 V59C1G02168QB QN3R256M16M-16G		1G bit 2G bit 4G bit	128M×8 128M×16 256M×16	DDR3 DDR2 DDR3	78ball 84ball 96ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,			N/A		N/A	N/A	N/A	
Q-CHIP Netsol	V73CAG01808RA JI9 V59C1G02169QB QN3R256M16M-16G SSRG2G20CMS-MGCJ		1G bit 2G bit 4G bit 32G bit	128M×8 128M×16 256M×16 512M×64	DDR3 DDR2 DDR3 LPDDR4	78ball 84ball 96ball 366ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,		T/A		√				
Q-CHIP Netsol	V73CAG01808RA JI9 V59C1G02168QB QN3R256M16M-16G		1G bit 2G bit 4G bit	128M×8 128M×16 256M×16	DDR3 DDR2 DDR3	78ball 84ball 96ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	.,						N/A	N/A	
Q-CHIP Netsol	V73CAG01808RA JI9 V59C1G02169QB QN3R256M16M-16G SSRG2G20CMS-MGCJ		1G bit 2G bit 4G bit 32G bit	128M×8 128M×16 256M×16 512M×64	DDR3 DDR2 DDR3 LPDDR4	78ball 84ball 96ball 366ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,		T/A		√				
Q-CHIP Netsol WT.MOSET	V73CAG01808RA JI9 V59C1G02169QB QN3R256M16M-16G SSRG2G20CMS-MGCJ		1G bit 2G bit 4G bit 32G bit	128M×8 128M×16 256M×16 512M×64	DDR3 DDR2 DDR3 LPDDR4	78ball 84ball 96ball 366ball				N/A N/A	N/A N/A	N/A	N/A N/A	.,		T/A		√				巴西颗粒。国内田的
Q-CHIP Netsol	V73CAG01808RA JI9 V79C1G02184QB QN3R256M16M-16G SSRG2G20CMS-MGCJ ED3E25608CE-P9		1G bit 2G bit 4G bit 32G bit	128M×8 128M×16 256M×16 512M×64 256M×8	DDR3 DDR2 DDR3 LPDDR4 DDR3	78ball 84ball 96ball 366ball 78ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	.,		T/A		√			T/A	巴西颗粒,国内用台 不多
Q-CHIP Netsol MT.MOSET	\text{V73CAG018088A.1J9} \text{V99C1G02168QB} \text{QN3R256M16M-16G} \text{SSRQ2G2DCMS-MGCJ} \text{ED3E25608CE-P9} \text{S4RQG0846C-HYH9}		1G bit 2G bit 4G bit 32G bit 2G bit 2G bit 2G bit 2G bit 2G bit 2	128M×8 128M×16 256M×16 256M×64 256M×8	DDR3	78ball 84ball 96ball 366ball 78ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	.,		T/A T/A		√			T/A	巴西颗粒,国内用的 不多
Q-CHIP Netsol MT.MOSET	\text{V73CAG018088A.JI9} \text{V59C1G02168QB} \text{QN3R256M16M-16G} \text{SSRG2G20CMS-MGCJ} \text{ED3E25608CE-P9} \text{S482G0846C-HYH9} \text{S482G0846D-HYK0}		1G bit 2G bit 4G bit 32G bit 2G bit 2G bit 2G bit 2G bit	128M×8 128M×16 256M×16 512M×64 256M×8 256M×8	DDR3 DDR3 LPDDR4 DDR3 DDR3 DDR3 DDR3 DDR3	78ball 84ball 96ball 366ball 78ball 78ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	.,		T/A T/A		T/A			T/A	巴西颗粒,国内用的 不多
Q-CHIP Netsol MT.MOSET SMART	V73CAG01808RA JI9 V73CC102184QB QN3R256M16M-16G SSRG2G20CMS-MGCJ ED3E25608CE-P9 S482G0846C-HYH9 S482G0846C-HYH9 VP5TQ1G0835-F9		1G bit 2G bit 4G bit 2G bit 2G bit 2G bit 2G bit 2G bit 2G bit 1G bit 1G bit 1G bit 1G bit 1G bit 1G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 2G bit 1G bit 1G bit 2G bit 2G bit 2G bit 1G bit 2G	128M×8 128M×16 256M×16 512M×64 256M×8 256M×8 256M×8 128M×8	DDR3	78ball 84ball 96ball 366ball 78ball 78ball 78ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A	.,		T/A T/A		T/A V	T/A	N/A	T/A	巴西颗粒,国内用的不多
Q-CHIP Netsol MT.MOSET	\text{V73CAG018088A.1J9} \text{V59C1G02168QB} \text{QN3R256M16M-16G} \text{SSRG2G2CCMS-MGCJ} \text{ED3E25608CE-P9} \text{SB2C0846C-HYH9} \text{S4B2C0846C-HYH9} \text{S4B2G0846C-HYK0} \text{VP5TQ1G0835-F9} \text{VP5TQ2G1635FP-P9}		16 bit 26 bit 46 bit 27 bit 28 bit 26 bit 26 bit 26 bit 26 bit 26 bit 27 bit 28	128M×8 128M×16 256M×16 256M×64 256M×8 256M×8 256M×8 128M×8 128M×8	DDR3	78ball 84ball 96ball 366ball 78ball 78ball 78ball 96ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A	.,		T/A T/A		T/A			T/A	巴西颗粒,国內用的不多
Q-CHIP Netsol MT.MOSET SMART	V73CAG01808RA JI9 V73CC102184QB QN3R256M16M-16G SSRG2G20CMS-MGCJ ED3E25608CE-P9 S482G0846C-HYH9 S482G0846C-HYH9 VP5TQ1G0835-F9		1G bit 2G bit 4G bit 2G bit 2G bit 2G bit 2G bit 2G bit 2G bit 1G bit 1G bit 1G bit 1G bit 1G bit 1G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 1G bit 1G bit 1G bit 2G bit 2G bit 2G bit 1G bit 1G bit 2G bit 2G bit 2G bit 1G bit 2G	128M×8 128M×16 256M×16 512M×64 256M×8 256M×8 256M×8 128M×8	DDR3	78ball 84ball 96ball 96ball 78ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A	.,		T/A T/A		T/A V	T/A	N/A	T/A	 世四颗粒、国内用的 不多
Q-CHIP Netsol MT.MOSET SMART	V73CAGG18088A.JI9 V79CG02168QB (N3R256M16M-16G SSRG2G20CMS-MGCJ SSRG2G20CMS-MGCJ SSRG2G20CMS-MGCJ V88CG0846C-HYH9 S48CG0846C-HYH9 S48CG0846C-HYH9 VP5TQ1G0835-F9 VP5TQ2G0835L-F9 VP5TQ2G0835L-F9		16 bit 26 bit 46 bit 27 bit 28 bit 26 bit 26 bit 26 bit 26 bit 26 bit 27 bit 28	128M×8 1.28M×16 256M×16 256M×64 256M×8 256M×8 128M×8 128M×8 128M×8 128M×8	DDR3 DDR3	78ball 84ball 96ball 366ball 78ball 78ball 78ball 96ball				N/A N/A	N/A N/A	N/A N/A	N/A	.,		T/A T/A		T/A V	T/A	N/A	T/A	巴西颗粒,国內用的
Q-CHIP Netsol MT.MOSET SMART	\text{V73CAG018088A.1J9} \text{V59C1G02168QB} \text{QN3R256M16M-16G} \text{SSRG2G2CCMS-MGCJ} \text{ED3E25608CE-P9} \text{SB2C0846C-HYH9} \text{S4B2C0846C-HYH9} \text{S4B2G0846C-HYK0} \text{VP5TQ1G0835-F9} \text{VP5TQ2G1635FP-P9}		16 bit 26 bit 46 bit 27 bit 28 bit 26 bit 26 bit 26 bit 26 bit 26 bit 27 bit 28	128M×8 128M×16 256M×16 256M×64 256M×8 256M×8 256M×8 128M×8 128M×8	DDR3	78ball 84ball 96ball 366ball 78ball 78ball 78ball 96ball				N/A N/A	N/A N/A N/A	N/A N/A	N/A	.,		T/A T/A		T/A V	T/A	N/A	T/A	巴西颗粒,国內用的