Allwinner Technology CO., Ltd.

Allwinnertech SDRAM Support List

General Description:

1.The purpose of this document is the guide of DDR seclection for customer using our solution.

2.There are some DDRs that not mentioned here. Since DDR is an universal device. So you can test it

3. Since DDR is high speed device. Please directly copy AW PCB DRAM Part Template and follow our PCB Layout Guide.

Abbr. and Definition of Status:

Symbol	Definition
X	Do Not Support
D/S	Datasheet Support
S/T	Sample Tested
√	Sample Tested and Mass Production
NOTE	Part Number 标暗灰代表**EOL**

Vendor	Part Number	Type	package	Density	Organization	R818 STATUS	MR813 STATUS	
晶豪科技 ESMT	M15T4G16256A(2G)	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	
	M15F4G16256A-DEBG2R	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	
	M15T4G16256A-DEBG2S	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	
	M16U4G16256A	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
FORSEE 江波龙	F60C1A004-M7	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	
	F60C1A0002-M6	DDR3L	FBGA 96	2Gb	128Mx16	S/T	S/T	
	FLXC1002G-N1	LPDDR4	FBGA200	16Gb	512Mx16x2ch	S/T	S/T	
	FLXC2004G-N1	LPDDR4	FBGA200	32Gb	1024Mx16x2ch	S/T	S/T	
	MDXC2024G-M4	LPDDR4	FBGA200	24Gb	384Mx16x2chx2cs	S/T	S/T	
	NCLDXC1MJ512M32	LPDDR4	FBGA200	16Gb	256Mx16x2chx2cs	S/T	S/T	
	NCLDXC1MG256M32-FCO2L	LPDDR4	FBGA200	8Gb	128Mx16x2chx2cs	S/T	S/T	
	K4B2G1646F BCNB	DDR3L	FBGA 96	2Gb	128Mx16	S/T	S/T	
	K4B4G1646E BYMA	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	
	K4E8E324EB-EGCF	LPDDR3	FBGA 178	8Gb	256Mx32x1CS	S/T	S/T	
	K4A4G165WE-BCRC	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	

Samsung	K4A4G165WF-BCTD	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
	K4F8E304HBMGCJ	LPDDR4	FBGA200	8Gb	256Mx16x2ch	S/T	S/T	
	K4F2E3S4HMMGCJ	LPDDR4	FBGA200	12Gb	384Mx16x2ch	S/T	S/T	
	K4F2E304HM-MGCH	LPDDR4	FBGA200	12Gb	384Mx16x2ch	S/T	S/T	
	K4FHE304HMMGCJ	LPDDR4	FBGA200	24Gb	768Mx16x2ch	S/T	S/T	
Hynix	H9TCNNN8JDMM-PRNGM	LPDDR2	POP 168	4Gb	128Mx32x1CS	S/T	S/T	
	H9TCNNNBLDMM-PRNGM	LPDDR2	POP 168	8Gb	128Mx32x2CS	S/T	S/T	
	H5TQ2G83EFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	
	H5TQ2G63EFR	DDR3	FBGA 96	2Gb	256Mx16	S/T	S/T	
	H5TQ4G63EFR	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	
	H5TC4G63EFR-RDF	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	
	H5AN4G6NBJR-UHC	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
	H9HCNNNBPUMLHR-NLE	LPDDR4	FBGA200	16Gb	256Mx16x2chx2cs	S/T	S/T	
	H9HCNNNCPUMLHR	LPDDR4	FBGA200	32Gb	512Mx16x2chx2cs	S/T	S/T	
妙存	ATD4A04164M201	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
	ATL4B0832M22	LPDDR4	FBGA200	8Gb	128Mx16x2chx2cs	S/T	S/T	
	ATL4B1632	LPDDR4	FBGA200	16Gb	512Mx16x2ch	S/T	S/T	
南亚	NT5CC128M16JR-EK	DDR3L	FBGA 96	2Gb	256Mx16	S/T	S/T	
	NT5AD256M16E4-JR	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
	NT6AN256T32AV-J2	LPDDR4	FBGA200	8Gb	256Mx32x2ch	S/T	S/T	
	NT6AN512T32AV-J2	LPDDR4	FBGA200	16Gb	512Mx32x2ch	S/T	S/T	
Micron	9RB75-D9TBK	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
	MT40A512M16	DDR4	FBGA 96	8Gb	512Mx16	S/T	S/T	
	MTD53D512M32D2DS-053 WT:D	LPDDR4	FBGA200	16Gb	512Mx16x2ch	S/T	S/T	
兆易创新GD	GDQ2BFAA-CE	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
金士顿	08EMCP08-NL3DT227	LP3_EMCP	FBGA221	8Gb	256Mx32x2ch	S/T	S/T	
	16EMCP08-NL3DTB28	LP3_EMCP	FBGA221	8Gb	256Mx32x2ch	S/T	S/T	
Spectek	PE959-12K	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	
	PE041-125 TP	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	
	SUTJ95EZZ8D5JKERL-107BT	LP3_EMCP	FBGA221	8Gb	256Mx32x2ch	S/T	S/T	
	PS006-075BT	LPDDR4	FBGA200	8Gb	256Mx16x2ch	S/T	S/T	
Rayson	RS256M16VNDG-107AT	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	
	RS512M32LM4	LPDDR4	FBGA200	16Gb	512Mx16x2ch	S/T	S/T	
	CXDB3ABAM-MK	LPDDR4	FBGA200	8Gb	256Mx16x2ch	S/T	S/T	

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长鑫	CXDB4ABAM-MK	LPDDR4	FBGA200	16Gb	512Mx16x2ch	S/T	S/T	
	CXDB5CCAM-MK	LPDDR4	FBGA200	32Gb	1024Mx16x2ch	S/T	S/T	
晋华	CA4S4G16V-F9HPC	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	
SCY(时创意)	DP4D04G16FJB-TGC	DDR4	FBGA 96	4Gb	256Mx16	S/T	S/T	