Allwinner A31(s) 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 by yourself before mass production or send the sample to us for testing.
- 3. Since DDR is high speed device. Please directly copy our PCB DRAM Part Template and follow our PCB Layout Guide. Abbr. and Definition of Status:

Abbr.	Definition
X	Do Not Support
N/T	Not Tested and Uncertain
D/S	Datasheet Support
S/T	Sample Tested
\checkmark	Sample Tested and Mass Production

Vendor	Part Number	Type	Density	Organization	Status (A31)	Status (A31s)
	H5TQ2G83CFR-xxC	DDR3	2Gb	256Mx8	\checkmark	\checkmark
	H5TQ2G83DFR-xxC	DDR3	2Gb	256Mx8	\checkmark	$\sqrt{}$
	H5TQ2G63DFR-xxC	DDR3	2Gb	128Mx16	D/S	D/S
	H5TQ2G83EFR-xxC	DDR3	2Gb	256Mx8	\checkmark	\checkmark
	H5TQ2G83FFR-xxC	DDR3	2Gb	256Mx8	D/S	D/S
	H5TQ2G63FFR-xxC	DDR3	2Gb	128Mx16	S/T	S/T
	H5TQ4G83MFR-xxC	DDR3	4Gb	512Mx8	D/S	D/S
	H5TQ4G63MFR-xxC	DDR3	4Gb	256Mx16	S/T	S/T
	H5TQ4G83AFR-xxC	DDR3	4Gb	512Mx8	S/T	S/T
	H5TQ4G63AFR-xxC	DDR3	4Gb	256Mx16	$\sqrt{}$	$\sqrt{}$
	H5TC2G83EFR-xxA	DDR3L	2Gb	256Mx8	D/S	D/S
	H5TC2G83FFR-xxA	DDR3L	2Gb	256Mx8	D/S	D/S
Hynix	H5TC2G63FFR-xxA	DDR3L	2Gb	128Mx16	S/T	S/T
	H5TC4G83AFR-xxA	DDR3L	4Gb	512Mx8	D/S	D/S
	H5TC4G63AFR-xxA	DDR3L	4Gb	256Mx16	S/T	S/T
	H5TC2G83EFR-xxR	DDR3L-RS	2Gb	256Mx8	D/S	D/S
	H5TC2G63DFR-xxR	DDR3L-RS	2Gb	128Mx16	D/S	D/S
	H5TC2G63FFR-xxR	DDR3L-RS	2Gb	128Mx16	D/S	D/S
	H5TC4G83AFR-xxR	DDR3L-RS	4Gb	512Mx8	D/S	D/S

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	H5TC4G63AFR-xxR	DDR3L-RS	4Gb	256Mx16	D/S	D/S
	H5TC8G63AMR-PBA	DDR3L	8Gb	256Mx16x2CS	D/S	D/S
	H5TC8G83AMR-PBA	DDR3L	8Gb	512Mx8x2CS	D/S	D/S
	H9TKNNN8JDAPLR-NGN	LPDDR2	8Gb	128Mx32x2CS	D/S	D/S
	H9CCNNN8JTALAR-NTD	LPDDR3	8Gb	128Mx32x2CS	D/S	D/S
	NT5CB128M8DN-xx	DDR3	1Gb	128Mx8	D/S	D/S
	NT5CB256M8GN-xx	DDR3	2Gb	256Mx8	S/T	S/T
	NT5CB256M8FN-xx	DDR3	2Gb	256Mx8	S/T	S/T
	NT5CB128M16HP-xx	DDR3	2Gb	128Mx16	S/T	S/T
Nanya(南	NT5CB128M16FP-xx	DDR3	2Gb	128Mx16	D/S	D/S
亚)	NT5CB256M16BP-xx	DDR3	4Gb	256Mx16	S/T	S/T
	NT5CC512M8CN-xx	DDR3L	4Gb	512Mx8	S/T	S/T
	NT5CC256M16CP-xx	DDR3L	4Gb	256Mx16	S/T	S/T
	NT5CC256M16CP-DI	DDR3L	4Gb	256Mx16		
	EDJ2108BDBG-DJ-F	DDR3	2Gb	256Mx8	D/S	D/S
	EDJ4216EFBG-GN-F	DDR3	4Gb	256Mx16	S/T	S/T
	EDJ4208EFBG-GNL-F	DDR3L	4Gb	512Mx8	S/T	S/T
	EDJ4208EFBG-GN-F	DDR3	4Gb	512Mx8	S/T	S/T
Electric	EDJ4216EFBG-GNL-F	DDR3L	4Gb	256Mx16	S/T	S/T
Elpida	J2108DEBG-DJ-F	DDR3	2Gb	256Mx8	D/S	D/S
	EDB8132B3MC-8D-F	LPDDR2	8Gb	128Mx32x2CS	S/T	S/T
	EDB8132B2MA-8D-F	LPDDR2	8Gb	128Mx32x2CS	D/S	D/S
	EDFA232A1MA-GD-F	LPDDR3	16Gb	256Mx32x2CS	D/S	D/S
	MT41K256M8DA-125	DDR3L	2Gb	256Mx8	D/S	D/S
	MT41K128M16JT-125	DDR3L	2Gb	128Mx16	S/T	S/T
Micron	MT41J128M16JT-107	DDR3	2Gb	128Mx16	S/T	S/T
	MT41K256M16HA-125	DDR3L	4Gb	256Mx16	S/T	S/T
	MT41K512M8RH-125	DDR3L	4Gb	512Mx8	D/S	D/S
	MT41J256M8HX-15	DDR3	2Gb	256Mx8	D/S	D/S
	K4B4G1646B-HCK0	DDR3	4Gb	256Mx16	S/T	S/T
	K4B2G1646E-BCK0	DDR3	2Gb	128Mx16	S/T	S/T
	K4B2G0846D-HCK0		2Gb	256Mx8	D/S	D/S

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K4B2G1646Q-BCK0	DDR3	2Gb	128Mx16	S/T	S/T
K4B4G1646Q-BCK0	DDR3	4Gb	256Mx16	S/T	S/T
K4B4G1646Q-HYK0	DDR3	4Gb	256Mx16	D/S	D/S
K4E8E304ED-EGCF	LPDDR3	8Gb	128Mx32x2CS	D/S	D/S
K4E8E304ED-EGCE	LPDDR3	8Gb	128Mx32x2CS	D/S	D/S
K4E4E324ED-EGCF	LPDDR3	4Gb	128Mx32x1CS	S/T	S/T
K4P8G304EG-AGC2	LPDDR2	8Gb	128Mx32x2CS	S/T	S/T
D2516EC4BXGGB	DDR3	4Gb	256Mx16	S/T	S/T
P3P4GF3BLF-GGN	DDR3	4Gb	512Mx8	N/T	N/T
P3P4GF4BLF-GGN	DDR3	4Gb	256Mx16	S/T	S/T
P3P4GF4BLF-GDJ	DDR3	4Gb	256Mx16	N/T	N/T
EM6GE16EW5B-15H	DDR3	4Gb	256Mx16	S/T	S/T
EM6GD08EWUA-15H	DDR3	2Gb	256Mx8	N/T	N/T
EM6GD08EWUA-12H	DDR3	2Gb	256Mx8	N/T	N/T
HXB15H2G800BF-15H	DDR3	2Gb	256Mx8	S/T	S/T
HXB15H2G160BF-15H	DDR3	2Gb	128Mx16	N/T	N/T
HXB15H4G160BF-15H	DDR3	4Gb	256Mx16	S/T	S/T
HXB15H4G800BF-15H	DDR3	4Gb	512Mx8	N/T	N/T
HXB15H4G800AF-15H	DDR3	4Gb	512Mx8	N/T	N/T
HXB13H4G160BF(L)-13K	DDR3L	4Gb	256Mx16	N/T	N/T
PMF511808DBR-KADN	DDR3	2Gb	256Mx8	N/T	N/T
	DDR3	4Gb	256Mx16	S/T	S/T
	DDR3	2Gb	256Mx8	N/T	N/T
EM47DM0888SBA-150	DDR3	1Gb	128Mx8	N/T	N/T
EM47EM0888SBA-150				N/T	N/T
EM47CM1688SBB-150	DDR3	1Gb	64Mx16	N/T	N/T
EM47EM1688SBA-150	DDR3	4Gb	256Mx16	N/T	N/T
EM47EM3288SBA-150	DDR3	8Gb	256Mx32	S/T	S/T
EM47EM3288SBA-150	DDR3	8Gb	256Mx32	S/T	S/I
	K4B2G1646Q-BCK0 K4B4G1646Q-BCK0 K4B4G1646Q-BCK0 K4B4G1646Q-HYK0 K4E8E304ED-EGCF K4E8E304ED-EGCE K4E4E324ED-EGCF K4P8G304EG-AGC2 D2516EC4BXGGB P3P4GF3BLF-GGN P3P4GF4BLF-GGN P3P4GF4BLF-GDJ EM6GE16EW5B-15H EM6GD08EWUA-15H EM6GD08EWUA-12H HXB15H2G160BF-15H HXB15H4G160BF-15H HXB15H4G800BF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G800AF-15H HXB15H4G80AF-15H	K4B4G1646Q-BCK0 DDR3 K4B4G1646Q-HYK0 DDR3 K4E8E304ED-EGCF LPDDR3 K4E8E304ED-EGCE LPDDR3 K4E8E304EG-AGC2 LPDDR3 K4P8G304EG-AGC2 LPDDR2 D2516EC4BXGGB DDR3 P3P4GF3BLF-GGN DDR3 P3P4GF4BLF-GDJ DDR3 EM6GE16EW5B-15H DDR3 EM6GD08EWUA-15H DDR3 EM6GD08EWUA-12H DDR3 HXB15H2G800BF-15H DDR3 HXB15H4G160BF-15H DDR3 HXB15H4G800BF-15H DDR3 HXB15H4G800AF-15H DDR3 HXB13H4G160BF(L)-13K DDR3 PMF511808DBR-KADN DDR3 PMF512816BBR-KADN DDR3 PMF511808BBR DDR3 EM47DM0888SBA-150 DDR3 EM47CM1688SBB-150 DDR3 EM47CM1688SBB-150 DDR3	K4B2G1646Q-BCK0 DDR3 2Gb K4B4G1646Q-BCK0 DDR3 4Gb K4B4G1646Q-HYK0 DDR3 4Gb K4E8E304ED-EGCF LPDDR3 8Gb K4E8E304ED-EGCE LPDDR3 8Gb K4E8E304ED-EGCF LPDDR3 4Gb K4P8G304EG-AGC2 LPDDR2 8Gb LPDDR2 8Gb B D2516EC4BXGGB DDR3 4Gb P3P4GF3BLF-GGN DDR3 4Gb P3P4GF4BLF-GGN DDR3 4Gb P3P4GF4BLF-GDJ DDR3 4Gb EM6GE16EW5B-15H DDR3 4Gb EM6GD08EWUA-15H DDR3 2Gb EM6GD08EWUA-12H DDR3 2Gb HXB15H2G160BF-15H DDR3 2Gb HXB15H4G300BF-15H DDR3 4Gb HXB15H4G800BF-15H DDR3 4Gb HXB15H4G800BF-15H DDR3 4Gb HXB15H4G800BF-15H DDR3 4Gb HXB15H4G800BF-15H DDR3 4Gb PMF511808BBR	K4B2G1646Q-BCK0 DDR3 2Gb 128Mx16 K4B4G1646Q-BCK0 DDR3 4Gb 256Mx16 K4B4G1646Q-HYK0 DDR3 4Gb 256Mx16 K4E8E304ED-EGCF LPDDR3 8Gb 128Mx32x2CS K4E8E304ED-EGCE LPDDR3 8Gb 128Mx32x2CS K4E4E324ED-EGCF LPDDR3 4Gb 128Mx32x2CS K4P8G304EG-AGC2 LPDDR2 8Gb 128Mx32x2CS K4P8G304EG-AGC2 LPDDR3 4Gb 256Mx16 P3P4GF3BLF-GGN DDR3 4Gb 256Mx16 P3P4GF4BLF-GGN DDR3 4Gb 256Mx16 P3P4GF4BLF-GDJ DDR3 4Gb 256Mx16 EM6GD08EWUA-15H DDR3 4Gb 256Mx8 EM6GD08EWUA-12H DDR3 2Gb 256Mx8 HXB15H2G800BF-15H DDR3 2Gb 256Mx8 HXB15H4G800BF-15H DDR3 2Gb 256Mx16 HXB15H4G800BF-15H DDR3 4Gb 512Mx8 HXB15H4G800AF-15H DDR3 4Gb	K4B2G1646Q-BCK0 DDR3 2Gb 128Mx16 S/T K4B4G1646Q-BCK0 DDR3 4Gb 256Mx16 S/T K4B4G1646Q-HYK0 DDR3 4Gb 256Mx16 D/S K4B4G1646Q-HYK0 DDR3 4Gb 256Mx16 D/S K4B4G1646Q-HYK0 DDR3 4Gb 128Mx32x2CS D/S K4B8G304ED-EGCF LPDDR3 8Gb 128Mx32x2CS D/S K4E8E304ED-EGCF LPDDR3 4Gb 128Mx32x2CS S/T K4P8G304EG-AGC2 LPDDR2 8Gb 128Mx32x2CS S/T D2516EC4BXGGB DDR3 4Gb 256Mx16 S/T P3P4GF3BLF-GGN DDR3 4Gb 256Mx16 S/T P3P4GF4BLF-GGN DDR3 4Gb 256Mx16 N/T P3P4GF4BLF-GGN DDR3 4Gb 256Mx16 N/T EM6GD08EWUA-15H DDR3 4Gb 256Mx16 N/T EM6GD08EWUA-12H DDR3 2Gb 256Mx8 N/T HXB15H2G800BF-15H <t< td=""></t<>

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[[5] (有用形 _s)	GT8UB128M16BP	DDR3	2Gb	128Mx16	N/T	N/T
	GT8UB256M16BP	DDR3	4Gb	256Mx16	S/T	S/T
EG	EG1L256M88BA12LH	DDR3	2Gb	256Mx8	D/S	D/S
Elixir	N2CB2G80GN	DDR3	2Gb	256Mx8	N/T	N/T
	N2CB4G16CP-DI	DDR3	4Gb	256Mx16	N/T	N/T