Allwinner Axx 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 our PCB DRAM Part Template and follow our Abbr. and Definition of Status:

Abbr.	Definition
X	Do Not Support
D/S	Datasheet Support
S/T	Sample Tested
$\sqrt{}$	Sample Tested and Mass Production

Vendor	Part Number	Type	package	Density	Organization	A31s	A20	A23	A80	A33	A83
	H5TQ2G83CFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	\checkmark		S/T	D/S	D/S	
	H5TQ2G83DFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	\checkmark		D/S	D/S	D/S	
	H5TQ2G63DFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	D/S		Х	D/S	D/S	
	H5TQ2G83EFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	\checkmark		$\sqrt{}$	D/S	D/S	
	H5TQ2G83FFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S		D/S	D/S	D/S	
	H5TQ2G63FFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	S/T		Χ	S/T	D/S	
	H5TQ4G83MFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	D/S		D/S	D/S	D/S	
	H5TQ4G63MFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	S/T		S/T	D/S	D/S	
	H5TQ4G83AFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	S/T			D/S	D/S	
	H5TQ4G63AFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	\checkmark			S/T	S/T	
	H5TQ4G63AFR-RDC	DDR3	FBGA 96	4Gb	256Mx16				S/T		
	H5TC2G83EFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
	H5TC2G83FFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S		D/S	D/S	D/S	
Hynix	H5TC2G63FFR-xxA	DDR3L	FBGA 96	2Gb	128Mx16	S/T		Х	S/T	D/S	
	H5TC4G83AFR-xxA	DDR3L	FBGA 78	4Gb	512Mx8	D/S		S/T	D/S	D/S	
	H5TC4G63AFR-xxA	DDR3L	FBGA 96	4Gb	256Mx16	S/T		S/T	S/T	D/S	
	H5TC4G83BFR-PBA	DDR3L	FBGA 78	4Gb	512Mx8	D/S		D/S	D/S	D/S	_
	H5TC2G83EFR-xxR	DDR3L-RS	FBGA 78	2Gb	256Mx8	D/S		D/S	D/S	D/S	
	H5TC2G63DFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S		Х	D/S	D/S	



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	H5TC2G63FFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S	Х	D/S	D/S	
	H5TC4G83AFR-xxR	DDR3L-RS	FBGA 78	4Gb	512Mx8	D/S	D/S	D/S	D/S	
	H5TC4G63AFR-xxR	DDR3L-RS	FBGA 96	4Gb	256Mx16	D/S	D/S	D/S	D/S	
	H5TC8G63AMR-PBA	DDR3L	FBGA 96	8Gb	256Mx16x2CS	D/S	Х	S/T	S/T	
	H5TC8G83AMR-PBA	DDR3L	FBGA 78	8Gb	512Mx8x2CS	D/S	Х	D/S	D/S	
	H9TKNNN8JDAPLR-NGN	LPDDR2		8Gb	128Mx32x2CS	D/S	Х	D/S	Х	
	H9CCNNN8JTALAR-NTD	LPDDR3		8Gb	128Mx32x2CS	D/S	Х	S/T	Х	
	NT5CB128M8DN-xx	DDR3	FBGA 78	1Gb	128Mx8	D/S	Х	Х	Х	
	NT5CB256M8GN-xx	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	D/S	D/S	
	NT5CB256M8FN-xx	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	D/S	D/S	
	NT5CB128M16HP-xx	DDR3	FBGA 96	2Gb	128Mx16	S/T	Х	S/T	D/S	
Nanya(南	NT5CB128M16FP-xx	DDR3	FBGA 96	2Gb	128Mx16	D/S	Х	D/S	D/S	
亚)	NT5CB256M16BP-xx	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	
	NT5CC512M8CN-xx	DDR3L	FBGA 78	4Gb	512Mx8	S/T	S/T	D/S	D/S	
	NT5CC256M16CP-xx	DDR3L	FBGA 96	4Gb	256Mx16	S/T	D/S	D/S	D/S	
	EDJ2108BDBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	
	EDJ4216EFBG-GN-F	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	
	EDJ4208EFBG-GNL-F	DDR3L	FBGA 78	4Gb	512Mx8	S/T	D/S	D/S	D/S	
	EDJ4208EFBG-GN-F	DDR3	FBGA 78	4Gb	512Mx8	S/T	D/S	D/S	D/S	
□la:da	EDJ4216EFBG-GNL-F	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	
Elpida	J2108DEBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	
	EDB8132B3MC-8D-F	LPDDR2		8Gb	128Mx32x2CS	S/T	Х	S/T	Х	
	EDB8132B2MA-8D-F	LPDDR2		8Gb	128Mx32x2CS	D/S	Х	S/T	Х	
	EDFA232A1MA-GD-F	LPDDR3		16Gb	256Mx32x2CS	D/S	Х	D/S	Х	
	MT41K256M8DA-125	DDR3L	FBGA 78	2Gb	256Mx8	D/S	S/T	D/S	D/S	
	MT41K128M16JT-125	DDR3L	FBGA 96	2Gb	128Mx16	S/T	Χ	Х	Х	
	MT41J128M16JT-107	DDR3	FBGA 96	2Gb	128Mx16	S/T	Χ	Х	Х	
Micron	MT41K256M16HA-125	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	
	MT41K512M8RH-125	DDR3L	FBGA 78	4Gb	512Mx8	D/S	S/T	D/S	D/S	
	MT41J256M8HX-15	DDR3	FBGA 78	2Gb	256Mx8	D/S	S/T	D/S	D/S	
	K4B4G1646B-HCK0	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	

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	K4B2G1646E-BCK0	DDR3	FBGA 96	2Gb	128Mx16	S/T	Χ	D/S	D/S	
	K4B2G0846D-HCK0	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	
	K4B2G1646Q-BCK0	DDR3	FBGA 96	2Gb	128Mx16	S/T	Χ	D/S	D/S	
	K4B4G1646Q-BCK0	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	
	K4B2G1646Q-BYK0	DDR3L	FBGA 96	2Gb	128Mx16	S/T				
CAMCLINIC	K4B4G1646Q-HYK0	DDR3L	FBGA 96	4Gb	256Mx16	D/S	D/S	S/T	S/T	
SAMSUNG	K4E8E304ED-EGCF	LPDDR3		8Gb	128Mx32x2CS	D/S	Χ	S/T	Х	
	K4E8E304ED-EGCE	LPDDR3		8Gb	128Mx32x2CS	D/S	Χ	D/S	Х	
	K4E8E304ED-EGCC	LPDDR3		8Gb	128Mx32x2CS	D/S	Χ	S/T	Χ	
	K4E4E324ED-EGCF	LPDDR3		4Gb	128Mx32x1CS	S/T	Χ	D/S	Χ	
	K4P8G304EG-AGC2	LPDDR2		8Gb	128Mx32x2CS	S/T	Χ	D/S	Χ	
	K4E8E304EE-EGCE	LPDDR3		8Gb	128Mx32x2CS	D/S	Χ	S/T	Х	
Kingston(金	D2516EC4BXGGB	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	
士顿)										
	P3P4GF3BLF-GGN	DDR3	FBGA 78	4Gb	512Mx8	D/S	S/T	D/S	D/S	
D00/M/: /-l-	P3P4GF4BLF-GGN	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	S/T	
PSC/Mira (力	P3P4GF4BLF-GDJ	DDR3	FBGA 96	4Gb	256Mx16	D/S	S/T	D/S	D/S	
晶)	P3P2GF3BLF-AGGN	DDR3	FBGA 78	2Gb	256Mx8		S/T			
	EM6GE16EW5B-15H	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	
	EM6GD08EWUA-15H	DDR3	FBGA 78	2Gb	256Mx8	D/S	S/T	D/S	D/S	
	EM6GD08EWUA-12H	DDR3	FBGA 78	2Gb	256Mx8	D/S	S/T	D/S	D/S	
Ftrom (ET AIL)										
Etron(钰创)	EM6GE16EWXC-12H	DDR3	FBGA 96	4Gb	256Mx16		S/T			
	HXB15H2G800BF-15H	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	D/S	D/S	
	HXB15H2G160BF-15H	DDR3	FBGA 96	2Gb	128Mx16	D/S	Χ	Χ	Х	
	HXB15H4G160BF-15H	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	D/S	D/S	
SCSemicon	HXB15H4G800BF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S	S/T	D/S	D/S	
(华芯)	HXB15H4G800AF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S	S/T	D/S	D/S	
	HXB13H4G160BF(L)-13K	DDR3L	FBGA 96	4Gb	256Mx16	D/S	D/S	D/S	D/S	

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PMF511808DBR-KADN	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
PMF512816BBR-KADN	DDR3	FBGA 96	4Gb	256Mx16	S/T		S/T	D/S	D/S	
PMF511808BBR	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
EM47DM0888SBA-150	DDR3	FBGA 78	1Gb	128Mx8	D/S		Χ	Χ	Χ	
EM47EM0888SBA-150	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
EM47CM1688SBB-150	DDR3	FBGA 96	1Gb	64Mx16	D/S		Χ	Х	Χ	
EM47EM1688SBA-150	DDR3	FBGA 96	4Gb	256Mx16	D/S		S/T	D/S	D/S	
EM47EM3288SBA-150	DDR3		8Gb	256Mx32	S/T		Х	Х	Х	
GT8UB128M16HP	DDR3	FBGA 96	2Gb	128Mx16	S/T		Х	D/S	D/S	
GT8UB128M16BP	DDR3	FBGA 96	2Gb	128Mx16	D/S		Х	D/S	D/S	
GT8UB256M16BP	DDR3	FBGA 96	4Gb	256Mx16	S/T		S/T	D/S	D/S	
GT8UB256M8EN-BG	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
GT8UB512M8EN-BG	DDR3	FBGA 78	4Gb	512Mx8	D/S		S/T	D/S	D/S	
EG1L256M88BA12LH	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
N2CB2G80GN	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	D/S	D/S	
N2CB4G16CP-DI	DDR3	FBGA 96	4Gb	256Mx16	D/S		S/T	D/S	D/S	
	PMF512816BBR-KADN PMF511808BBR EM47DM0888SBA-150 EM47EM0888SBA-150 EM47CM1688SBB-150 EM47EM1688SBA-150 EM47EM3288SBA-150 EM47EM3288SBA-150 GT8UB128M16HP GT8UB128M16BP GT8UB256M16BP GT8UB256M8EN-BG GT8UB512M8EN-BG	PMF512816BBR-KADN DDR3 PMF511808BBR DDR3 EM47DM0888SBA-150 DDR3 EM47EM0888SBA-150 DDR3 EM47CM1688SBB-150 DDR3 EM47EM1688SBA-150 DDR3 EM47EM3288SBA-150 DDR3 GT8UB128M16HP DDR3 GT8UB128M16BP DDR3 GT8UB256M16BP DDR3 GT8UB256M8EN-BG DDR3 GT8UB512M8EN-BG DDR3 GT8UB512M8EN-BG DDR3 M2CB2G80GN DDR3	PMF512816BBR-KADN DDR3 FBGA 96 PMF511808BBR DDR3 FBGA 78 EM47DM0888SBA-150 DDR3 FBGA 78 EM47EM0888SBA-150 DDR3 FBGA 78 EM47CM1688SBA-150 DDR3 FBGA 96 EM47EM1688SBA-150 DDR3 FBGA 96 EM47EM3288SBA-150 DDR3 FBGA 96 GT8UB128M16HP DDR3 FBGA 96 GT8UB256M16BP DDR3 FBGA 96 GT8UB256M8EN-BG DDR3 FBGA 78 GT8UB512M8EN-BG DDR3 FBGA 78 EG1L256M88BA12LH DDR3 FBGA 78 N2CB2G80GN DDR3 FBGA 78	PMF512816BBR-KADN DDR3 FBGA 96 4Gb PMF511808BBR DDR3 FBGA 78 2Gb EM47DM0888SBA-150 DDR3 FBGA 78 1Gb EM47EM0888SBA-150 DDR3 FBGA 78 2Gb EM47CM1688SBA-150 DDR3 FBGA 96 1Gb EM47EM1688SBA-150 DDR3 FBGA 96 4Gb EM47EM3288SBA-150 DDR3 FBGA 96 2Gb GT8UB128M16HP DDR3 FBGA 96 2Gb GT8UB128M16BP DDR3 FBGA 96 2Gb GT8UB256M16BP DDR3 FBGA 96 4Gb GT8UB512M8EN-BG DDR3 FBGA 78 2Gb GT8UB512M8EN-BG DDR3 FBGA 78 4Gb EG1L256M88BA12LH DDR3 FBGA 78 2Gb N2CB2G80GN DDR3 FBGA 78 2Gb	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 EM47EM0888SBA-150 DDR3 FBGA 78 2Gb 256Mx8 EM47CM1688SBB-150 DDR3 FBGA 96 1Gb 64Mx16 EM47EM1688SBA-150 DDR3 FBGA 96 4Gb 256Mx16 EM47EM3288SBA-150 DDR3 FBGA 96 4Gb 256Mx32 GT8UB128M16HP DDR3 FBGA 96 2Gb 128Mx16 GT8UB256M16BP DDR3 FBGA 96 2Gb 128Mx16 GT8UB256M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 GT8UB512M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 EG1L256M88BA12LH DDR3 FBGA 78 2Gb 256Mx8 N2CB2G80GN DDR3 FBGA 78 2Gb 256Mx8	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 S/T PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 D/S EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 D/S EM47EM0888SBA-150 DDR3 FBGA 78 2Gb 256Mx8 D/S EM47CM1688SBA-150 DDR3 FBGA 96 1Gb 64Mx16 D/S EM47EM1688SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S EM47EM3288SBA-150 DDR3 FBGA 96 2Gb 128Mx16 D/S EM47EM3288SBA-150 DDR3 FBGA 96 2Gb 128Mx16 S/T GT8UB128M16HP DDR3 FBGA 96 2Gb 128Mx16 D/S GT8UB256M16BP DDR3 FBGA 96 2Gb 128Mx16 S/T GT8UB512M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 D/S GT8UB512M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 D/S EG1L256M88BA12LH	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 S/T PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 D/S EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 D/S EM47EM088SBB-150 DDR3 FBGA 78 2Gb 256Mx8 D/S EM47EM1688SBA-150 DDR3 FBGA 96 1Gb 64Mx16 D/S EM47EM3288SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S EM47EM3288SBA-150 DDR3 FBGA 96 4Gb 256Mx32 S/T GT8UB128M16HP DDR3 FBGA 96 2Gb 128Mx16 S/T GT8UB256M16BP DDR3 FBGA 96 2Gb 128Mx16 D/S GT8UB256M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 D/S GT8UB512M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 D/S EG1L256M88BA12LH DDR3 FBGA 78 2Gb 256Mx8 D/S N2CB2G80GN DDR3<	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 S/T S/T PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 D/S S/T EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 D/S X EM47EM088SBB-150 DDR3 FBGA 78 2Gb 256Mx8 D/S S/T EM47CM1688SBB-150 DDR3 FBGA 96 1Gb 64Mx16 D/S X EM47EM1688SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S S/T EM47EM3288SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S S/T EM47EM3288SBA-150 DDR3 FBGA 96 2Gb 128Mx16 D/S S/T GT8UB128M16HP DDR3 FBGA 96 2Gb 128Mx16 S/T X GT8UB256M16BP DDR3 FBGA 96 4Gb 256Mx16 S/T S/T GT8UB512M8EN-BG DDR3 FBGA 78 2Gb 256Mx8 D/S S/T	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 S/T S/T D/S PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 D/S S/T D/S EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 D/S X X EM47EM0888SBA-150 DDR3 FBGA 78 2Gb 256Mx8 D/S S/T D/S EM47CM1688SBB-150 DDR3 FBGA 96 1Gb 64Mx16 D/S X X EM47EM1688SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S S/T D/S EM47EM3288SBA-150 DDR3 FBGA 96 4Gb 256Mx16 D/S S/T D/S EM47EM3288SBA-150 DDR3 FBGA 96 2Gb 128Mx16 D/S S/T X X GT8UB128M16HP DDR3 FBGA 96 2Gb 128Mx16 S/T X D/S GT8UB256M16BP DDR3 FBGA 78 2Gb 256Mx8 D/S	PMF512816BBR-KADN DDR3 FBGA 96 4Gb 256Mx16 S/T S/T D/S D/S PMF511808BBR DDR3 FBGA 78 2Gb 256Mx8 D/S S/T D/S D/S EM47DM0888SBA-150 DDR3 FBGA 78 1Gb 128Mx8 D/S X