



Allwinner Axx SDRAM Support List

General Description:

- 1.The purpose of this document is the guide of DDR selection for customer using our solution.
- 2.There are some DDRs that not mentioned here. Since DDR is an universal device. So you can test
3. Since DDR is high speed device. Please directly copy our PCB DRAM Part Template and follow

Abbr. and Definition of Status:

Abbr.	Definition
X	Do Not Support
D/S	Datasheet Support
S/T	Sample Tested
√	Sample Tested and Mass Production

Vendor	Part Number	Type	package	Density	Organization	A31(s)	A20	A23	A80	A33	A83	R58	R16	A64
Hynix	H5TQ2G83CFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	√	√	S/T	D/S	D/S	D/S	D/S	D/S	
	H5TQ2G83DFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	√	√	D/S	D/S	D/S	D/S	D/S	D/S	
	H5TQ2G63DFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	D/S	D/S	X	D/S	D/S	D/S	D/S	D/S	
	H5TQ2G83EFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	√	√	√	D/S	D/S	D/S	D/S	D/S	
	H5TQ2G83FFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	H5TQ2G63FFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	S/T	D/S	X	S/T	D/S			D/S	
	H5TQ4G83MFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	H5TQ4G63MFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	S/T	S/T	D/S	
	H5TQ4G83AFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	S/T	S/T	√	D/S	D/S	D/S	D/S	D/S	
	H5TQ4G63AFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	√	√	√	S/T	S/T	S/T	S/T	S/T	
	H5TQ4G63AFR-RDC	DDR3	FBGA 96	4Gb	256Mx16				S/T		S/T	S/T		S/T
	H5TC2G83EFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S	D/S	D/S	D/S	
	H5TC2G83FFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	H5TC2G63FFR-xxA	DDR3L	FBGA 96	2Gb	128Mx16	S/T	S/T	X	S/T	D/S			D/S	
	H5TC4G83AFR-xxA	DDR3L	FBGA 78	4Gb	512Mx8	S/T	D/S	S/T	D/S	D/S	D/S	D/S	D/S	
	H5TC4G63AFR-xxA	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	D/S	S/T	S/T	D/S	S/T
	H5TC4G83BFR-PBA	DDR3L	FBGA 78	4Gb	512Mx8	D/S	D/S	S/T	D/S	S/T	D/S	D/S	S/T	
	H5TC2G83EFR-xxR	DDR3L-RS	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	H5TC2G63DFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S	D/S	X	D/S	D/S	D/S	D/S	D/S	



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	H5TC2G63FFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S	D/S	X	D/S	D/S	D/S	D/S	D/S		
	H5TC4G83AFR-xxR	DDR3L-RS	FBGA 78	4Gb	512Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S		
	H5TC4G63AFR-xxR	DDR3L-RS	FBGA 96	4Gb	256Mx16	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S		
	H5TC8G63AMR-PBA	DDR3L	FBGA 96	8Gb	256Mx16x2CS	D/S	D/S	X	S/T	S/T	S/T	S/T	S/T		
	H5TC8G83AMR-PBA	DDR3L	FBGA 78	8Gb	512Mx8x2CS	D/S	D/S	X	D/S	D/S	D/S	D/S	D/S		
	H5TC4G63CFR-PBA	DDR3L	FBGA 96	4Gb	256Mx16	D/S	D/S	D/S	D/S	D/S	S/T	S/T	D/S	S/T	
	H9TKNNN8JDAPLR-NGN	LPDDR2		8Gb	128Mx32x2CS	D/S	X	X	D/S	X	D/S	D/S	X		
	H9CCNNN8JTALAR-NTD	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	D/S	X	X	S/T	X	S/T	S/T	X		
	H9CCNNNBLTALAR-NTM	LPDDR3	FBGA 178	16Gb	256Mx32x2CS						S/T	S/T			
	H9CKNNN8GTMLR-NUH	LPDDR3	POP 168	8Gb	128Mx32x2CS						S/T	S/T			
	H9CCNNNBJTMLAR-NUM	LPDDR3	POP 168	16Gb	256Mx32x2CS										
Nanya (南 亚)	NT5CB128M8DN-xx	DDR3	FBGA 78	1Gb	128Mx8	D/S	S/T	X	X	X	D/S	D/S	X		
	NT5CB256M8GN-xx	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	S/T	D/S	S/T	D/S	D/S	S/T		
	NT5CB256M8FN-xx	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	S/T	D/S	D/S	D/S	D/S	D/S		
	NT5CB128M16HP-xx	DDR3	FBGA 96	2Gb	128Mx16	S/T	S/T	X	S/T	D/S			D/S		
	NT5CB128M16FP-xx	DDR3	FBGA 96	2Gb	128Mx16	D/S	D/S	X	D/S	D/S			D/S		
	NT5CB256M16BP-xx	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	S/T	D/S	D/S	S/T		
	NT5CC512M8CN-xx	DDR3L	FBGA 78	4Gb	512Mx8	S/T	S/T	S/T	D/S	D/S	D/S	D/S	D/S		
	NT5CC256M16CP-xx	DDR3L	FBGA 96	4Gb	256Mx16	S/T	D/S	D/S	D/S	D/S	D/S	D/S	D/S		
	NT5CC256M16CP-DI	DDR3L	FBGA 96	4Gb	256Mx16			S/T		S/T	S/T	S/T	S/T	S/T	
	NT6CL256T32AQ-H2	LPDDR3	POP 168	8Gb	128Mx32x2CS						S/T	S/T			
	NT6CL128M32AQ-H2	LPDDR3	POP 168	4Gb	128Mx32x1CS						D/S	D/S			
	NT5CC256M16DP-DI	DDR3L	FBGA 96	4Gb	256Mx16				S/T		S/T	S/T		S/T	
	NT5CC128M16IP-DI	DDR3L	FBGA 96	2Gb	128Mx16										
	NT5CB64M16FP-DH	DDR3	FBGA 96	1Gb	64Mx16										
	NT6TL256T32AQ-G1	LPDDR2	POP 168	8Gb	128Mx32x2CS						S/T	S/T			
	NT6TL128M32AQ-G0	LPDDR2	POP 168	4Gb	128Mx32x1CS						S/T	S/T			
NT5CC64M16GP-DI	DDR3L	FBGA 96	1Gb	64Mx16											
Elpida	EDJ2108BDBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S		
	EDJ4216EFBG-GN-F	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	S/T	D/S	D/S	S/T		
	EDJ4208EFBG-GNL-F	DDR3L	FBGA 78	4Gb	512Mx8	S/T	S/T	D/S	D/S	D/S	D/S	D/S	D/S		
	EDJ4208EFBG-GN-F	DDR3	FBGA 78	4Gb	512Mx8	S/T	S/T	D/S	D/S	D/S	D/S	D/S	D/S		
	EDJ4216EFBG-GNL-F	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	S/T	D/S	D/S	S/T	S/T	
	J2108DEBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	



	EDB8132B3MC-8D-F	LPDDR2		8Gb	128Mx32x2CS	S/T	X	X	S/T	X	D/S	D/S	X	
	EDB8132B2MA-8D-F	LPDDR2		8Gb	128Mx32x2CS	D/S	X	X	S/T	X	D/S	D/S	X	
	EDFA232A1MA-GD-F	LPDDR3		16Gb	256Mx32x2CS	D/S	X	X	D/S	X	D/S	D/S	X	
Micron	MT41K256M8DA-125	DDR3L	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S	D/S	D/S	D/S	
	MT41K128M16JT-125	DDR3L	FBGA 96	2Gb	128Mx16	S/T	D/S	X	X	X	D/S	D/S	X	
	MT41J128M16JT-107	DDR3	FBGA 96	2Gb	128Mx16	S/T	S/T	X	X	X	D/S	D/S	X	
	MT41K256M16HA-125	DDR3L	FBGA 96	4Gb	256Mx16	S/T	D/S	S/T	S/T	S/T	D/S	D/S	S/T	S/T
	MT41K512M8RH-125	DDR3L	FBGA 78	4Gb	512Mx8	D/S	D/S	S/T	D/S	D/S	D/S	D/S	D/S	
	MT41J256M8HX-15	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	S/T	D/S	D/S	S/T	
SAMSUNG	K4B4G1646B-HCK0	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	S/T	S/T	D/S	
	K4B2G1646E-BCK0	DDR3	FBGA 96	2Gb	128Mx16	S/T	D/S	X	D/S	D/S			D/S	
	K4B2G0846D-HCK0	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	K4B2G1646Q-BCK0	DDR3	FBGA 96	2Gb	128Mx16	S/T	D/S	X	D/S	S/T	D/S	D/S	S/T	
	K4B4G1646Q-HYK0	DDR3L	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	S/T	S/T	S/T	S/T	S/T	S/T
	K4B8G1646Q-MYK0	DDR3L	FBGA96	8Gb	256Mx16x2CS	D/S	D/S	X	D/S	D/S	S/T	S/T	D/S	
	K4B4G1646D-BCK0	DDR3	FBGA96	4Gb	256Mx16									S/T
	K4E8E304ED-EGCF	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	D/S	X	X	S/T	X	S/T	S/T	X	
	K4E8E304ED-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	D/S	X	X	D/S	X	S/T	S/T	X	
	K4E8E304ED-EGCC	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	D/S	X	X	S/T	X	S/T	S/T	X	
	K4E4E324ED-EGCF	LPDDR3	FBGA 178	4Gb	128Mx32x1CS	S/T	X	X	D/S	X	D/S	D/S	X	
	K4P8G304EG-AGC2	LPDDR2	POP 168	8Gb	128Mx32x2CS	S/T	X	X	D/S	X	D/S	D/S	X	
	K4E8E304EE-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	D/S	X	X	S/T	X	S/T	S/T	X	S/T
	K4E6E304EE-EGCE	LPDDR3	FBGA 178	16Gb	256Mx32x2CS						S/T	S/T		
	K4P8G304EQ-AGC2	LPDDR2	POP 168	8Gb	128Mx32x2CS						S/T	S/T		S/T
	K4E8E304EE-AGCE	LPDDR3	POP 168	8Gb	128Mx32x2CS						S/T	S/T		
K4E4E164EB-EGCE	LPDDR3	FBGA 178	4Gb	128Mx32x1CS						S/T	S/T			
Kingston (金士顿)	D2516EC4BXGGB	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	S/T	S/T	D/S	
PSC/Mira (力晶)	P3P4GF3BLF-GGN	DDR3	FBGA 78	4Gb	512Mx8	D/S	S/T	S/T	D/S	D/S	D/S	D/S	D/S	
	P3P4GF4BLF-GGN	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	S/T	D/S	D/S	S/T	
	P3P4GF4BLF-GDJ	DDR3	FBGA 96	4Gb	256Mx16	D/S	S/T	S/T	D/S	D/S	D/S	D/S	D/S	
	P3P2GF3BLF-AGGN	DDR3	FBGA 78	2Gb	256Mx8			S/T						



Etron (钰创)	EM6GE16EW5B-15H	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	D/S	D/S	D/S		
	EM6GD08EWUA-15H	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	S/T	D/S	D/S	S/T		
	EM6GD08EWUA-12H	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S	D/S	D/S	D/S		
	EM6GD16EWXC-12H	DDR3	FBGA 96	2Gb	128Mx16										
	EM6GE16EWXC-12H	DDR3	FBGA 96	4Gb	256Mx16			S/T			D/S	D/S			
	EM6GD08EWUC-12H	DDR3	FBGA 78	2Gb	256Mx8			S/T			D/S	D/S			
	EM6GE08EW8C-12H	DDR3	FBGA 78	4Gb	512Mx8			S/T			D/S	D/S			
	EM6GE16EWXD-12H	DDR3	FBGA 96	4Gb	256Mx16										
SCSemicon (华芯)	HXB15H2G800BF-15H	DDR3	FBGA 78	2Gb	256Mx8	S/T	S/T	S/T	D/S	D/S				D/S	
	HXB15H2G160BF-15H	DDR3	FBGA 96	2Gb	128Mx16	D/S	S/T	X	X	X				X	
	HXB15H4G160BF-15H	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	S/T				S/T	
	HXB15H4G800BF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
	HXB15H4G800AF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
	HXB13H4G160BF(L)-13K	DDR3L	FBGA 96	4Gb	256Mx16	D/S	D/S	D/S	D/S	D/S	S/T	S/T	D/S		
	HXB15H2G800BF-13K	DDR3	FBGA 78	2Gb	256Mx8			S/T							
	HXB15H2G160BF-13K	DDR3	FBGA 96	2Gb	128Mx16										
PI (补丁)	PMF511808DBR-KADN	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
	PMF512816BBR-KADN	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	S/T	S/T	D/S		
	PMF511808BBR	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
eorex (森富)	EM47DM0888SBA-150	DDR3	FBGA 78	1Gb	128Mx8	D/S	D/S	X	X	X				X	
	EM47EM0888SBA-150	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
	EM47CM1688SBB-150	DDR3	FBGA 96	1Gb	64Mx16	D/S	D/S	X	X	X				X	
	EM47EM1688SBA-150	DDR3	FBGA 96	4Gb	256Mx16	D/S	S/T	S/T	D/S	D/S				D/S	
	EM47EM3288SBA-150	DDR3		8Gb	256Mx32	S/T	D/S	X	X	X				X	
GT (创芯)	GT8UB128M16HP	DDR3	FBGA 96	2Gb	128Mx16	S/T	S/T	X	D/S	D/S				D/S	
	GT8UB128M16BP	DDR3	FBGA 96	2Gb	128Mx16	D/S	S/T	X	D/S	D/S				D/S	
	GT8UB256M16BP	DDR3	FBGA 96	4Gb	256Mx16	S/T	S/T	S/T	D/S	D/S	S/T	S/T	D/S		
	GT8UB256M8EN-BG	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
	GT8UB512M8EN-BG	DDR3	FBGA 78	4Gb	512Mx8	D/S	D/S	S/T	D/S	D/S				D/S	
EG	EG1L256M88BA12LH	DDR3	FBGA 78	2Gb	256Mx8	D/S	D/S	S/T	D/S	D/S				D/S	



Elixir	N2CB2G80GN	DDR3	FBGA 78	2Gb	256Mx8	D/S	S/T	S/T	D/S	D/S			D/S	
	N2CB4G16CP-DI	DDR3	FBGA 96	4Gb	256Mx16	D/S	D/S	S/T	D/S	D/S			D/S	
华聆 xeme	H2A402G1666ADBC	DDR3	FBGA 96	2Gb	128Mx16									
	H2A402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8									
	H2A404G0866ED9C	DDR3	FBGA 78	4Gb	512Mx8									
	H2C402G1666ADBC	DDR3	FBGA 96	2Gb	128Mx16									
	H2C402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8									
	H2C402G0866BD3C	DDR3	FBGA 78	2Gb	256Mx8									
	H2C404G0866ADEC	DDR3	FBGA 78	4Gb	512Mx8									
	H2C404G1666ADFC	DDR3	FBGA 96	4Gb	256Mx16					S/T	S/T	S/T	S/T	
	H2C404G0866CD8C	DDR3	FBGA 78	4Gb	512Mx8									
	H2C402G1666BDBC	DDR3	FBGA 96	2Gb	128Mx16				X				X	
	H2A402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8			X						
GCAI	GDB41A32ED7-D1S	LPDDR2	POP 168	4Gb	128Mx32x1CS									
	GDB42A32ED7-D1S(25nm)	LPDDR2	POP 168	8Gb	128Mx32x2CS									
	GDB42A32ED7-D1S(30nm)	LPDDR2	POP 168	8Gb	128Mx32x2CS									