



## Allwinner H3 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
D/S	Datasheet Support
S/T	Sample Tested
√	Sample Tested and Mass Production

Vendor	Part Number	Type	package	Density	Organization	H3
Hynix	H5TQ2G83CFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	
	H5TQ2G83DFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	
	H5TQ2G63DFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	
	H5TQ2G83EFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	
	H5TQ2G83FFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	
	H5TQ2G63FFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	
	H5TQ4G83MFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	
	H5TQ4G63MFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	
	H5TQ4G83AFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	
	H5TQ4G63AFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	
	H5TQ4G63AFR-RDC	DDR3	FBGA 96	4Gb	256Mx16	
	H5TC2G83EFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	
	H5TC2G83FFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	
	H5TC2G63FFR-xxA	DDR3L	FBGA 96	2Gb	128Mx16	
	H5TC4G83AFR-xxA	DDR3L	FBGA 78	4Gb	512Mx8	
	H5TC4G63AFR-xxA	DDR3L	FBGA 96	4Gb	256Mx16	S/T



	H5TC4G83BFR-PBA	DDR3L	FBGA 78	4Gb	512Mx8	
	H5TC2G83EFR-xxR	DDR3L-RS	FBGA 78	2Gb	256Mx8	
	H5TC2G63DFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	
	H5TC2G63FFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	
	H5TC4G83AFR-xxR	DDR3L-RS	FBGA 78	4Gb	512Mx8	
	H5TC4G63AFR-xxR	DDR3L-RS	FBGA 96	4Gb	256Mx16	
	H5TC8G63AMR-PBA	DDR3L	FBGA 96	8Gb	256Mx16x2CS	S/T
	H5TC8G83AMR-PBA	DDR3L	FBGA 78	8Gb	512Mx8x2CS	
	H5TC4G63CFR-PBA	DDR3L	FBGA 96	4Gb	256Mx16	
	H9TKNNN8JDAPLR-NGN	LPDDR2		8Gb	128Mx32x2CS	
	H9CCNNN8JTALAR-NTD	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	
	H9CCNNNBLTALAR-NTM	LPDDR3	FBGA 178	16Gb	256Mx32x2CS	
Nanya (南 亚)	NT5CB128M8DN-xx	DDR3	FBGA 78	1Gb	128Mx8	
	NT5CB256M8GN-xx	DDR3	FBGA 78	2Gb	256Mx8	
	NT5CB256M8FN-xx	DDR3	FBGA 78	2Gb	256Mx8	
	NT5CB128M16HP-xx	DDR3	FBGA 96	2Gb	128Mx16	S/T
	NT5CB128M16FP-xx	DDR3	FBGA 96	2Gb	128Mx16	
	NT5CB256M16BP-xx	DDR3	FBGA 96	4Gb	256Mx16	S/T
	NT5CC512M8CN-xx	DDR3L	FBGA 78	4Gb	512Mx8	
	NT5CC256M16CP-xx	DDR3L	FBGA 96	4Gb	256Mx16	
	NT5CC256M16CP-DI	DDR3L	FBGA 96	4Gb	256Mx16	
	NT6CL256T32AQ-H2	LPDDR3	POP 168	8Gb	128Mx32x2CS	
	NT6CL128M32AQ-H2	LPDDR3	POP 168	4Gb	128Mx32x1CS	
	NT5CC256M16DP-DI	DDR3L	FBGA 96	4Gb	256Mx16	
Elpida	EDJ2108BDBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	
	EDJ4216EFBG-GN-F	DDR3	FBGA 96	4Gb	256Mx16	
	EDJ4208EFBG-GNL-F	DDR3L	FBGA 78	4Gb	512Mx8	
	EDJ4208EFBG-GN-F	DDR3	FBGA 78	4Gb	512Mx8	
	EDJ4216EFBG-GNL-F	DDR3L	FBGA 96	4Gb	256Mx16	
	J2108DEBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	
	EDB8132B3MC-8D-F	LPDDR2		8Gb	128Mx32x2CS	
	EDB8132B2MA-8D-F	LPDDR2		8Gb	128Mx32x2CS	
	EDFA232A1MA-GD-F	LPDDR3		16Gb	256Mx32x2CS	



Micron	MT41K256M8DA-125	DDR3L	FBGA 78	2Gb	256Mx8	
	MT41K128M16JT-125	DDR3L	FBGA 96	2Gb	128Mx16	
	MT41J128M16JT-107	DDR3	FBGA 96	2Gb	128Mx16	
	MT41K256M16HA-125	DDR3L	FBGA 96	4Gb	256Mx16	
	MT41K512M8RH-125	DDR3L	FBGA 78	4Gb	512Mx8	
	MT41J256M8HX-15	DDR3	FBGA 78	2Gb	256Mx8	
SAMSUNG	K4B4G1646B-HCK0	DDR3	FBGA 96	4Gb	256Mx16	
	K4B2G1646E-BCK0	DDR3	FBGA 96	2Gb	128Mx16	
	K4B2G0846D-HCK0	DDR3	FBGA 78	2Gb	256Mx8	
	K4B2G1646Q-BCK0	DDR3	FBGA 96	2Gb	128Mx16	
	K4B4G1646Q-HYK0	DDR3L	FBGA 96	4Gb	256Mx16	
	K4B8G1646Q-MYK0	DDR3L	FBGA96	8Gb	256Mx16x2CS	D/S
	K4B4G1646D-BCK0	DDR3	FBGA96	4Gb	256Mx16	S/T
	K4E8E304ED-EGCF	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	
	K4E8E304ED-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	
	K4E8E304ED-EGCC	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	
	K4E4E324ED-EGCF	LPDDR3	FBGA 178	4Gb	128Mx32x1CS	
	K4P8G304EG-AGC2	LPDDR2	POP 168	8Gb	128Mx32x2CS	
	K4E8E304EE-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	
	K4E6E304EE-EGCE	LPDDR3	FBGA 178	16Gb	256Mx32x2CS	
	K4P8G304EQ-AGC200	LPDDR2	POP 168	8Gb	128Mx32x2CS	
Kingston (金士顿)	D2516EC4BXGGB	DDR3	FBGA 96	4Gb	256Mx16	
PSC/Mira (力晶)	P3P4GF3BLF-GGN	DDR3	FBGA 78	4Gb	512Mx8	
	P3P4GF4BLF-GGN	DDR3	FBGA 96	4Gb	256Mx16	
	P3P4GF4BLF-GDJ	DDR3	FBGA 96	4Gb	256Mx16	
	P3P2GF3BLF-AGGN	DDR3	FBGA 78	2Gb	256Mx8	
Etron (钰创)	EM6GE16EW5B-15H	DDR3	FBGA 96	4Gb	256Mx16	
	EM6GD08EWUA-15H	DDR3	FBGA 78	2Gb	256Mx8	
	EM6GD08EWUA-12H	DDR3	FBGA 78	2Gb	256Mx8	
	EM6GD16EWXC-12H	DDR3	FBGA 96	2Gb	128Mx16	
	EM6GE16EWXC-12H	DDR3	FBGA 96	4Gb	256Mx16	
	EM6GD08EWUC-12H	DDR3	FBGA 78	2Gb	256Mx8	



	EM6GE08EW8C-12H	DDR3	FBGA 78	4Gb	512Mx8	
SCSemicon (华芯)	HXB15H2G800BF-15H	DDR3	FBGA 78	2Gb	256Mx8	
	HXB15H2G160BF-15H	DDR3	FBGA 96	2Gb	128Mx16	
	HXB15H4G160BF-15H	DDR3	FBGA 96	4Gb	256Mx16	
	HXB15H4G800BF-15H	DDR3	FBGA 78	4Gb	512Mx8	
	HXB15H4G800AF-15H	DDR3	FBGA 78	4Gb	512Mx8	
	HXB13H4G160BF(L)-13K	DDR3L	FBGA 96	4Gb	256Mx16	
	HXB15H2G800BF-13K	DDR3	FBGA 78	2Gb	256Mx8	
	HXB15H2G160BF-13K	DDR3	FBGA 96	2Gb	128Mx16	
PI (补丁)	PMF511808DBR-KADN	DDR3	FBGA 78	2Gb	256Mx8	
	PMF512816BBR-KADN	DDR3	FBGA 96	4Gb	256Mx16	
	PMF511808BBR	DDR3	FBGA 78	2Gb	256Mx8	
eorex (森富)	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		8Gb	256Mx32	
GT (创芯)	GT8UB128M16HP	DDR3	FBGA 96	2Gb	128Mx16	
	GT8UB128M16BP	DDR3	FBGA 96	2Gb	128Mx16	
	GT8UB256M16BP	DDR3	FBGA 96	4Gb	256Mx16	
	GT8UB256M8EN-BG	DDR3	FBGA 78	2Gb	256Mx8	
	GT8UB512M8EN-BG	DDR3	FBGA 78	4Gb	512Mx8	
EG						
	EG1L256M88BA12LH	DDR3	FBGA 78	2Gb	256Mx8	
Elixir	N2CB2G80GN	DDR3	FBGA 78	2Gb	256Mx8	
	N2CB4G16CP-DI	DDR3	FBGA 96	4Gb	256Mx16	
	H2A402G1666ADBC	DDR3	FBGA 96	2Gb	128Mx16	
	H2A402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8	
	H2A404G0866ED9C	DDR3	FBGA 78	4Gb	512Mx8	
	H2C402G1666ADBC	DDR3	FBGA 96	2Gb	128Mx16	



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华聆 xeme	H2C402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8	
	H2C402G0866BD3C	DDR3	FBGA 78	2Gb	256Mx8	
	H2C404G0866ADEC	DDR3	FBGA 78	4Gb	512Mx8	
	H2C404G1666ADFC	DDR3	FBGA 96	4Gb	256Mx16	
	H2C404G0866CD8C	DDR3	FBGA 78	4Gb	512Mx8	
	H2C402G1666BDBC	DDR3	FBGA 96	2Gb	128Mx16	
	H2A402G0866CD3C	DDR3	FBGA 78	2Gb	256Mx8	