Allwinner Technology CO., Ltd.

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 by yourself

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

Abbr.	Definition
STA	test status
freq	max frequency for MP. '/c' means compatible template

Vendor	Part Number	Type	package	Density	Organization	A33		A64		A83		A63		A50	
						STA	freq	STA	freq	STA	freq	STA	freq	STA	freq
	H5TQ2G83CFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S					
	H5TQ2G83DFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S					
	H5TQ2G63DFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	D/S				D/S					
	H5TQ2G83EFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S					
	H5TQ2G83FFR-xxC	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	672	D/S					
	H5TQ2G63FFR-xxC	DDR3	FBGA 96	2Gb	128Mx16	D/S									
	H5TQ4G83MFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	D/S				D/S					
	H5TQ4G63MFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	D/S				S/T	672				
	H5TQ4G83AFR-xxC	DDR3	FBGA 78	4Gb	512Mx8	D/S				D/S					
	H5TQ4G63AFR-xxC	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c			S/T	672				
	H5TQ4G63AFR-RDC	DDR3	FBGA 96	4Gb	256Mx16			S/T	672	S/T	672				
	H5TC2G83EFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S				D/S					
	H5TQ4G63EFR-RDC	DDR3	FBGA 96	4Gb	256Mx16							S/T	936		
	H5TQ4G63EFR-TEC	DDR3	FBGA 96	4Gb	256Mx16							S/T	1056		
	H5TC2G83FFR-xxA	DDR3L	FBGA 78	2Gb	256Mx8	D/S				D/S					

Mfr	Part Number	Type	Package	Density	Organization										
Hynix	H5TC2G63FFR-xxA	DDR3L	FBGA 96	2Gb	128Mx16	D/S				S/T	672				
	H5TC4G83AFR-xxA	DDR3L	FBGA 78	4Gb	512Mx8	D/S				D/S					
	H5TC4G63AFR-xxA	DDR3L	FBGA 96	4Gb	256Mx16	D/S		S/T	672	S/T	672				
	H5TC4G83BFR-PBA	DDR3L	FBGA 78	4Gb	512Mx8	S/T	480/c			D/S					
	H5TC2G83EFR-xxR	DDR3L-RS	FBGA 78	2Gb	256Mx8	D/S				D/S					
	H5TC2G63DFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S				D/S					
	H5TC2G63FFR-xxR	DDR3L-RS	FBGA 96	2Gb	128Mx16	D/S				D/S					
	H5TC4G83AFR-xxR	DDR3L-RS	FBGA 78	4Gb	512Mx8	D/S				D/S					
	H5TC4G63AFR-xxR	DDR3L-RS	FBGA 96	4Gb	256Mx16	D/S				D/S					
	H5TC8G63AMR-PBA	DDR3L	FBGA 96	8Gb	256Mx16x2CS	S/T	480/c			S/T	672				
	H5TC8G83AMR-PBA	DDR3L	FBGA 78	8Gb	512Mx8x2CS	D/S				D/S					
	H5TC4G63CFR-PBA	DDR3L	FBGA 96	4Gb	256Mx16	D/S		S/T	672	S/T	672				
	H5TQ4G63CFR-RDC	DDR3	FBGA 96	4Gb	256Mx16										
	H5TQ2G63GFR-RDC	DDR3	FBGA 96	2Gb	128Mx16										
	H5TC2G63GFR-PBA	DDR3L	FBGA 96	2Gb	128Mx16										
	H9TKNNN8JDAPLR-NGN	LPDDR2	POP 168	8Gb	128Mx32x2CS	X				D/S					
	H9CCNNN8JTALAR-NTD	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	X		S/T	480	S/T	672				
	H9CCNNNBLTALAR-NTM	LPDDR3	FBGA 178	16Gb	256Mx32x2CS					S/T	672				
	H9CKNNN8GTMPLR-NUH	LPDDR3	POP 168	8Gb	128Mx32x2CS					S/T	672				
	H9CCNNNBJTMLAR-NUM	LPDDR3	FBGA 178	16Gb	256Mx32x2CS							S/T	936	S/T	672
	H9CCNNN8GTMLAR-NUM	LPDDR3	FBGA 178	8Gb	128Mx32x2CS			S/T	480			S/T	936		
	H5TQ4G83CFR-RDC	DDR3	FBGA 78	4Gb	512Mx8			S/T	576						
	H5TQ4G83AFR-PBC	DDR3	FBGA 78	4Gb	512Mx8			S/T	672						
	H5TC4G63EFR-RDF	DDR3L	FBGA 96	4Gb	256Mx16									S/T	672
	H5TQ4G63EFR-RDC	DDR3	FBGA 96	4Gb	256Mx16										
	H5AN4G6NAFR-UHC	DDR4	FBGA 96	4Gb	256Mx16									S/T	792
	H5AN4G6NBJR-UHC	DDR4	FBGA 96	4Gb	256Mx16										
	H5AN8G6NAFR-UHC	DDR4	FBGA 96	8Gb	512Mx16										
	H9HCNNN8KUMLHR-NME	LPDDR4	FBGA200	8Gb	256Mx16x2ch									S/T	672
	H9HCNNN8KUMLHR-NLE	LPDDR4	FBGA200	8Gb	256Mx16x2ch									S/T	672
	NT5CB128M8DN-xx	DDR3	FBGA 78	1Gb	128Mx8	X				D/S					
	NT5CB256M8GN-xx	DDR3	FBGA 78	2Gb	256Mx8	S/T	480/c			D/S					
	NT5CB256M8FN-xx	DDR3	FBGA 78	2Gb	256Mx8	D/S		S/T	672	D/S					
	NT5CB128M16HP-xx	DDR3	FBGA 96	2Gb	128Mx16	D/S									

Vendor	Part Number	Type	Package	Density	Config										
Nanya（南亚）	NT5CB128M16FP-xx	DDR3	FBGA 96	2Gb	128Mx16	D/S									
	NT5CB256M16BP-xx	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	D/S					
	NT5CC512M8CN-xx	DDR3L	FBGA 78	4Gb	512Mx8	D/S				D/S					
	NT5CC256M16CP-xx	DDR3L	FBGA 96	4Gb	256Mx16	D/S				D/S					
	NT5CC256M16CP-DI	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672				
	NT6CL128M32BM-H2	LPDDR3	FBGA 178	4Gb	128Mx32x1CS										
	NT6CL256T32BM-H2	LPDDR3	FBGA 178	8Gb	128Mx32x2CS			S/T	480	S/T	672	S/T	792		
	NT6CL256T32CM-H1	LPDDR3	FBGA 178	8Gb	128Mx32x2CS					S/T	672	S/T	792	S/T	672
	NT6CL256T32BQ-H2	LPDDR3	POP 168	8Gb	128Mx32x2CS					S/T	672				
	NT6CL128M32BQ-H2	LPDDR3	POP 168	4Gb	128Mx32x1CS					D/S					
	NT5CC256M16DP-DI	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672				
	NT5CC128M16IP-DI	DDR3L	FBGA 96	2Gb	128Mx16	S/T	480/c			S/T	672				
	NT5CB64M16FP-DH	DDR3	FBGA 96	1Gb	64Mx16										
	NT6TL256T32AQ-G1	LPDDR2	POP 168	8Gb	128Mx32x2CS					S/T	480				
	NT6TL128M32AQ-G0	LPDDR2	POP 168	4Gb	128Mx32x1CS					S/T	480				
	NT5CC64M16GP-DI	DDR3L	FBGA 96	1Gb	64Mx16										
	NT6TL128M32BQ-G0	LPDDR2	POP 168	4Gb	128Mx32x1CS										
	NT6TL256T32BQ-G0	LPDDR2	POP 168	8Gb	128Mx32x2CS										
	NT6TL256T32AQ-G0	LPDDR2	POP 168	8Gb	128Mx32x2CS					S/T	408				
	NT5CC256M16EP-DI	DDR3L	FBGA 96	4Gb	256Mx16										
	NT5CC256M16EP-EK	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672				
	NT5CB256M16EP-FL	DDR3	FBGA 96	4Gb	256Mx16										
	NT5CC512M8EN-DI	DDR3L	FBGA 78	4Gb	512Mx8	S/T	480/c								
	NT5CC512M8EN-EK	DDR3L	FBGA 78	4Gb	512Mx8							S/T	792		
	NT5CB512M8EN-FL	DDR3	FBGA 78	4Gb	512Mx8							S/T	792		
	NT5CB256M16DP-EK	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672			S/T	936		
	NT5CC256M16DP-DII	DDR3L	FBGA 96	4Gb	256Mx16					S/T	672				
	NT5CC256M8IN-DI	DDR3L	FBGA 78	2Gb	256Mx8					S/T	672				
	NT5CC512M8IN-DI	DDR3L	FBGA 78	4Gb	512Mx8					S/T	672				
	NT5AD256M16B2-HP	DDR4	FBGA 96	4Gb	256Mx16										
	NT5AD256M16B2-GN	DDR4	FBGA 96	4Gb	256Mx16										
	NT5CC256M16DP-DIA(车规)	DDR3	FBGA 96	4Gb	256Mx16										
	NT5CC128M16IP-DII	DDR3	FBGA 96	2Gb	128Mx16										
	NT5CC128M16IP-DIA	DDR3	FBGA 96	2Gb	128Mx16										

Manufacturer	Part Number	Type	Package	Density	Organization										
	NT5CC128M16IP-DIT	DDR3	FBGA 96	2Gb	128Mx16										
	NT5AD512M16A4-HR	DDR4	FBGA 96	8Gb	512Mx16									S/T	792
	NT5CC128M16JR-EK	DDR3	FBGA 96	2Gb	128Mx16										
	NT5CC256M16ER-EK	DDR3	FBGA 96	4Gb	256Mx16							S/T	936		
	NT5CB256M16ER-FL	DDR3	FBGA 96	4Gb	256Mx16							S/T	936		
Elpida	EDJ2108BDBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S					
	EDJ4216EFBG-GN-F	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c			D/S					
	EDJ4208EFBG-GNL-F	DDR3L	FBGA 78	4Gb	512Mx8	D/S				D/S					
	EDJ4208EFBG-GN-F	DDR3	FBGA 78	4Gb	512Mx8	D/S				D/S					
	EDJ4216EFBG-GNL-F	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	D/S					
	J2108DEBG-DJ-F	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S					
	EDB8132B3MC-8D-F	LPDDR2		8Gb	128Mx32x2CS	X				D/S					
	EDB8132B2MA-8D-F	LPDDR2		8Gb	128Mx32x2CS	X				D/S					
	EDFA232A1MA-GD-F	LPDDR3		16Gb	256Mx32x2CS	X				D/S					
Micron	MT41K256M8DA-125	DDR3L	FBGA 78	2Gb	256Mx8	D/S				S/T	672	D/S			
	MT41K128M16JT-125	DDR3L	FBGA 96	2Gb	128Mx16	X				D/S					
	MT41K128M16JT-107	DDR3L	FBGA 96	2Gb	128Mx16										
	MT41J128M16JT-125	DDR3	FBGA 96	2Gb	128Mx16										
	MT41J128M16JT-107	DDR3	FBGA 96	2Gb	128Mx16	X				D/S					
	MT41K256M16HA-125	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	D/S					
	MT41K256M16TW-107	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c			S/T	672				
	MT41K256M16TW-107 AATP (车规)	DDR3L													
	MT41K512M8RH-125	DDR3L	FBGA 78	4Gb	512Mx8	D/S		S/T	672	D/S					
	MT41J256M8HX-15	DDR3	FBGA 78	2Gb	256Mx8	S/T	480/c			D/S					
	MT41K512M16HA-125	DDR3L	FBGA 96	8Gb	512Mx16					S/T	672				
	EDB8132B4PM-1D-F-D	LPDDR2	POP168	4Gb	128Mx32										
	EDB4432BBPA-1D-F-D	LPDDR2	POP168	8Gb	128Mx32x2CS										
	MT52L256M32D1PF-107	LPDDR3	FBGA 178	8Gb	256Mx32x1CS					S/T	600			S/T	672
	MT52L512M32D2PF-107	LPDDR3	FBGA 178	16Gb	256Mx32x2CS					S/T	600	S/T	936		
	MT40A512M16JY-083E	DDR4	FBGA 96	8Gb	512Mx16									S/T	792
	MT40A256M16GE-083E	DDR4	FBGA 96	4Gb	256Mx16									S/T	792

Manufacturer	Part Number	Type	Package	Density	Organization								
	MT53B256M32D1NP-062 WT:C	LPDDR4	FBGA200	8Gb	256Mx16x2ch							S/T	672
SAMSUNG	K4B4G1646B-HCK0	DDR3	FBGA 96	4Gb	256Mx16	D/S				S/T	672		
	K4B2G1646E-BCK0	DDR3	FBGA 96	2Gb	128Mx16	D/S							
	K4B2G0846D-HCK0	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S			
	K4B2G1646Q-BCK0	DDR3	FBGA 96	2Gb	128Mx16	S/T	480/c			D/S			
	K4B4G1646Q-HYK0	DDR3L	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672		
	K4B4G1646E-BCMA	DDR3	FBGA96	4Gb	256Mx16								
	K4B2G0846Q-BCK0	DDR3	FBGA 78	2Gb	256Mx8					S/T	672		
	K4B4G1646E-BYK0	DDR3L	FBGA 96	4Gb	256Mx16								
	K4B4G1646E-BMK0	DDR3L	FBGA 96	4Gb	256Mx16								
	K4B8G1646Q-MYK0	DDR3L	FBGA96	8Gb	256Mx16x2CS	D/S				S/T	672		
	K4B4G1646D-BMK0	DDR3L	FBGA 96	4Gb	256Mx16								
	K4B4G1646D-BCK0	DDR3	FBGA96	4Gb	256Mx16					S/T	672		
	K4B4G1646D-BFMA	DDR3	FBGA96	4Gb	256Mx16								
	K4E8E304ED-EGCF	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	X				S/T	672		
	K4E8E304ED-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	X				S/T	672		
	K4E8E304ED-EGCC	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	X				S/T	672	S/T	672
	K4E4E324ED-EGCF	LPDDR3	FBGA 178	4Gb	128Mx32x1CS	X				D/S			
	K4E4E324ED-EGCC	LPDDR3	FBGA 178	4Gb	128Mx32x1CS								
	K4E6E304EB-EGCF	LPDDR3	FBGA 178	16Gb	256Mx32x2CS					S/T	672	S/T	936
	K4E8E324EB-EGCF	LPDDR3	FBGA 178	8Gb	256Mx32x1CS							S/T	936
	K4E8E304EE-EGCE	LPDDR3	FBGA 178	8Gb	128Mx32x2CS	X		S/T	480	S/T	672	S/T	792
	K4E6E304EE-EGCE	LPDDR3	FBGA 178	16Gb	256Mx32x2CS					S/T	672		
	K4E8E304EE-AGCE	LPDDR3	POP 168	8Gb	128Mx32x2CS					S/T	672		
	K4E4E164EB-EGCE	LPDDR3	FBGA 178	4Gb	128Mx32x1CS					S/T	672		
	K4P8G304EG-AGC2	LPDDR2	POP 168	8Gb	128Mx32x2CS	X				D/S			
	K4P8G304EQ-AGC2	LPDDR2	POP 168	8Gb	128Mx32x2CS			S/T	408	S/T	480		
	K4A4G165WE-BCRC	DDR4	FBGA 96	4Gb	256Mx16								
	K4A8G165WB-BCRC	DDR4	FBGA 96	8Gb	512Mx16								
Kingston（金士顿）	D2516EC4BXGGB	DDR3L	FBGA 96	4Gb	256Mx16	D/S				S/T	672		
	D2516JC4BXGJD	DDR3	FBGA 96	4Gb	256Mx16								

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Vendor	Part Number	Type	Package	Density	Organization									
PSC/Mira（力晶）	P3P4GF3BLF-GGN	DDR3	FBGA 78	4Gb	512Mx8	S/T	480/c			D/S				
	P3P4GF4BLF-GGN	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c			S/T	672			
	P3P4GF4BLF-GDJ	DDR3	FBGA 96	4Gb	256Mx16	D/S				S/T	648			
	P3P4GF4BLF-GJS	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672			
	P3P2GF3BLF-AGGN	DDR3	FBGA 78	2Gb	256Mx8			S/T	672	S/T	648			
	P3P4GF3DMF-GJS	DDR3	FBGA 78	4Gb	512Mx8	S/T	480/c	S/T	672	S/T	672			
	P3P4GF4DMF-GJS	DDR3	FBGA 96	4Gb	256Mx16					S/T	672			
Etron（钰创）	EM6GE16EW5B-15H	DDR3	FBGA 96	4Gb	256Mx16	D/S				D/S				
	EM6GD08EWUA-15H	DDR3	FBGA 78	2Gb	256Mx8	S/T	480/c			D/S				
	EM6GD08EWUA-12H	DDR3	FBGA 78	2Gb	256Mx8	D/S				D/S				
	EM6GD08EWUG-12H	DDR3	FBGA 78	2Gb	256Mx8	S/T	480/c			D/S				
	EM6GD16EWXC-12H	DDR3	FBGA 96	2Gb	128Mx16									
	EM6GE16EWXC-12H	DDR3	FBGA 96	4Gb	256Mx16					D/S				
	EM6GD08EWUC-12H	DDR3	FBGA 78	2Gb	256Mx8					D/S				
	EM6GE08EW8C-12H	DDR3	FBGA 78	4Gb	512Mx8					D/S				
	EM6GE16EWXD-12H	DDR3	FBGA 96	4Gb	256Mx16			S/T	672	S/T	672	S/T	792	
	EM6GD16EWKG-12H	DDR3	FBGA 96	2Gb	128Mx16									
	EM6GE16EWXD-10H	DDR3	FBGA 96	4Gb	256Mx16							S/T	936	
	EM6GC16EWXC-12H	DDR3	FBGA 96	1Gb	64Mx16									
	EM6GC16EWKG-12H	DDR3	FBGA 96	1Gb	64Mx16									
	EM6GE16EWKE-10H	DDR3	FBGA 96	4Gb	256Mx16							S/T	936	
SCSemicon（华芯）	HXB15H2G800BF-15H	DDR3	FBGA 78	2Gb	256Mx8	D/S								
	HXB15H2G160BF-15H	DDR3	FBGA 96	2Gb	128Mx16	X								
	HXB15H4G160BF-15H	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c							
	HXB15H4G800BF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S								
	HXB15H4G800AF-15H	DDR3	FBGA 78	4Gb	512Mx8	D/S								
	HXB13H4G160BF(L)-13K	DDR3L	FBGA 96	4Gb	256Mx16	D/S				S/T	672			
	HXB15H2G800BF-13K	DDR3	FBGA 78	2Gb	256Mx8									
	HXB15H2G160BF-13K	DDR3	FBGA 96	2Gb	128Mx16									
	HXB15H4G160AF-13K	DDR3	FBGA 96	4Gb	256Mx16	S/T	480/c	S/T	672	S/T	672			
	HXB15H4G160CF-13K	DDR3	FBGA 96	4Gb	256Mx16					S/T	672			
	HXB13H4G160AF-13KT	DDR3L	FBGA 96	4Gb	256Mx16					S/T	672			

	HXI15H4G160AF-13K	DDR3	FBGA 96	4Gb	256Mx16										
	HXB15H4G160AF-11M	DDR3	FBGA 96	4Gb	256Mx16										
PI（补丁）	PMF511808DBR-KADN	DDR3	FBGA 78	2Gb	256Mx8	D/S									
	PMF512816BBR-KADN	DDR3	FBGA 96	4Gb	256Mx16	D/S					S/T	672			
	PMF511808BBR	DDR3	FBGA 78	2Gb	256Mx8	D/S									
	PMF510816CBR-KADC	DDR3	FBGA 96	1Gb	64Mx16										
	PMF512816CBR-KAIN	DDR3	FBGA 96	4Gb	256Mx16						S/T	672			
	PMF512816CBR-KADN	DDR3	FBGA 96	4Gb	256Mx16										
	PMF512816DBR-KADN	DDR3	FBGA 96	4Gb	256Mx16										
	PMF512808CBR-KADN	DDR3	FBGA 78	4Gb	512Mx8										
	PMF511808EBR-MBDN	DDR3	FBGA 78	4Gb	512Mx8										
eorex（森富）	EM47DM0888SBA-150	DDR3	FBGA 78	1Gb	128Mx8	X									
	EM47EM0888SBA-150	DDR3	FBGA 78	2Gb	256Mx8	D/S									
	EM47CM1688SBB-150	DDR3	FBGA 96	1Gb	64Mx16	X									
	EM47EM1688SBA-150	DDR3	FBGA 96	4Gb	256Mx16	D/S									
	EM47EM3288SBA-150	DDR3	FBGA136	8Gb	256Mx32	X									
	EM47CM1688SBB-125A	DDR3	FBGA 96	1Gb	64Mx16										
	EM47EM1688SBB-150A	DDR3	FBGA 96	4Gb	256Mx16										
	EM47EM1688SBB-125A	DDR3	FBGA 96	4Gb	256Mx16				S/T	672					
	EM47FM1688MCA-150A	DDR3	FBGA 96	8Gb	256Mx16x2CS										
GT（创芯）	GT8UB128M16HP	DDR3	FBGA 96	2Gb	128Mx16	D/S									
	GT8UB128M16BP	DDR3	FBGA 96	2Gb	128Mx16	D/S									
	GT8UB256M16BP	DDR3	FBGA 96	4Gb	256Mx16	D/S					S/T	672			
	GT8UB256M8EN-BG	DDR3	FBGA 78	2Gb	256Mx8	D/S									
	GT8UB512M8EN-BG	DDR3	FBGA 78	4Gb	512Mx8	D/S									
EG	EG1L256M88BA12LH	DDR3	FBGA 78	2Gb	256Mx8	D/S									
Elixir	N2CB2G80GN	DDR3	FBGA 78	2Gb	256Mx8	D/S									
	N2CB4G16CP-DI	DDR3	FBGA 96	4Gb	256Mx16	D/S									

晶豪科技 ESMT	M15F4G16256A-DEBG	DDR3	FBGA 96	4Gb	256Mx16											
华聆 Axeme	H2A402G1666BFBC	DDR3	FBGA 96	2Gb	128Mx16											
GCAI	GDB41A32ED7-D1S	LPDDR2	POP 168	4Gb	128Mx32x1CS											
	GDB42A32ED7-D1S(25nm)	LPDDR2	POP 168	8Gb	128Mx32x2CS			S/T	408							
	GDB42A32ED7-D1S(30nm)	LPDDR2	POP 168	8Gb	128Mx32x2CS											
FORSEE	LD3E508G	LPDDR3	POP 168	8Gb	128Mx32x2CS			S/T	408	S/T	552					
	NCLD3B2256M32	LPDDR3	FBGA 178	8Gb	128Mx32x2CS			S/T	456	S/T	624					
	NCLD3B1256M32	LPDDR3	FBGA 178	8Gb	256Mx32x1CS			S/T	456							
紫光国芯 uniic	SCB15H2G160AF-13KA3	DDR3	FBGA 96	2Gb	128Mx16											
	SCB15H2G160AF-13KI	DDR3	FBGA 96	2Gb	128Mx16											
	SCN13H2G160AF-13K	DDR3	FBGA 96	2Gb	128Mx16											
	SCB13H4G160AF-11M	DDR3L	FBGA 96	4Gb	256Mx16							S/T	936			
Zentel	A3T4GF40ABF-HP	DDR3	FBGA 96	4Gb	256Mx16	S/T	456/c									
	A3T2GF40ABF-HPPZ	DDR3	FBGA 96	2Gb	128Mx16											
	A3T2GF40ABF-GMPZ	DDR3	FBGA 96	2Gb	128Mx16											
	A3T1GF40CBF-HP	DDR3	FBGA 96	1Gb	64Mx16											
	A3T1GF40CBF-GML	DDR3	FBGA 96	1Gb	64Mx16											
	A3T1GF40CBF-GM	DDR3	FBGA 96	1Gb	64Mx16											
	A3T4GF30ABF-GM	DDR3	FBGA 78	4Gb	512Mx8	S/T	456/c					S/T	792			
Leahkinn	LTFP0666ES3-ZJn1	LPDDR3	FBGA 178	24Gb	768Mx32							S/T	792			
Goldkey	GH2081600HRL	DDR3	FBGA 78	2Gb	256Mx8x1CS			S/T	672	S/T	648					
	GH4061600HRL	DDR3	FBGA 96	4Gb	256Mx16x1CS			S/T	672							
AW	AW52A8G32-12D2LP25CS	LPDDR3	FBGA 178	8Gb	128Mx32x2CS							D/S	792			
	AWL3A1632-12D2LK35CS	LPDDR3	FBGA 178	16Gb	256Mx32x2CS							S/T	792	S/T	672
ISSI	IS46TR16256AL-125KBLA2	DDR3	FBGA 96	4Gb	256Mx16x1CS											

Allwinner Technology CO., Ltd.

Allwinner Axx eMCP Support List

General Description:

1. The purpose of this document is the guide of eMCP seclection for customer
2. There are some eMCPs that not mentioned here. Since eMCP is an universal
3. Since eMCP is high speed device. Please directly copy our PCB DRAM Part

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	package	DRAM Type	DRAM Density	DRAM Organization	eMMC Density	eMMC Version	eMMC Cell	A83
SAMSUNG	KMQ8X000SA-B414	FBGA 221	LPDDR3	8Gb	128Mx32x2CS	16GB	V5.0	TLC	S/T
	KMQ7X000SA-B315	FBGA 221	LPDDR3	8Gb	128Mx32x2CS	8GB	V5.0	TLC	S/T
Hynix	H9TQ17ABJTMCUR-KUM	FBGA 221	LPDDR3	16Gb	256Mx32x2CS	16GB		MLC	S/T
	H9TQ64ABJTMCUR-KUM	FBGA 221	LPDDR3	16Gb	256Mx32x2CS	8GB		MLC	S/T
	H9TQ64A8GTMCUR-KUM	FBGA 221	LPDDR3	8Gb	128Mx32x2CS	8GB		MLC	S/T