



## A40i DRAM Support List

Version V1.0

**Release Date** 2018/06/27



## **Reversion History**

Reversion	Date	Author	Check	Description
V1.0	2018/06/27			Initial Release





## **General Description**

	Symbols for Status							
Number	Symbol	Description						
1	D/S	Datasheet Supported but need sample to full test						
2	S/T	Sample full test passed and supported						
3	<b>√</b>	Supported and Mass Production						
4	×	Not supported						
5	(Blank)	Not recommended or In testing						
Symbol for DDR Frequency								
Number	Symbol	Description						
1	Freq.	Max Frequency for MP. '/c' means compatible						
		Symbols for Grade of DDR chips						
Number	Symbol	Description						
1	A1	Automotive AEC-Q100 Grade1(-40~+125)						
2	A2	Automotive AEC-Q100 Grade2(-40~+105)						
3	A3	Automotive AEC-Q100 Grade3(-40~+85)						
4	I	Industrial Grade						
5	C	Commercial Grade						



## ALLWIMER Support List

Vendor	Density	Part Number	Туре	Configuration	Package	Freq. (MHz)	Grade	Status	Remark
Allwinner	4Gb	RS128M32LD3D1LMZ-125	LPDDR3	128Mx32x1CS	FBGA178	576	С	S/T	Note1
	8Gb	AW52A8G32	LPDDR3	128Mx32x2CS	FBGA178	576	С	S/T	Note1
	6Gb	AWL3A0632	LPDDR3	192Mx32x1CS	FBGA178	576	С	S/T	
	12Gb	AWL3A1232	LPDDR3	192Mx32x2CS	FBGA178	576	С	S/T	
	4Gb	H5TC4G63AFR-xxA	DDR3L	256Mx16	FBGA96	576	С	S/T	
	8Gb	H5TC8G63AMR-PBA	DDR3L	256Mx16x2CS	FBGA96	576	С	S/T	
	4Gb	H5TC4G63CFR-PBA	DDR3L	256Mx16	FBGA96	576	С	S/T	
Hynix	4Gb	H5TQ4G63CFR-RDC	DDR3	256Mx16	FBGA96	576	С	S/T	
	8Gb	H9CCNNN8JTALAR-NTD	LPDDR3	128Mx32x2CS	FBGA178	480	U	S/T	
	16Gb	H9CCNNNBJTMLAR-NUM	LPDDR3	256Mx32x2CS	FBGA178	480	С	S/T	
	4Gb	NT6CL128M32BM-H2	LPDDR3	128Mx32x1CS	FBGA178	480	С	S/T	
	8Gb	NT6CL256T32BM-H2	LPDDR3	128Mx32x2CS	FBGA178	480	С	S/T	
	4Gb	NT5CC256M16DP-DI	DDR3L	256Mx16	FBGA96	576	С	S/T	
	4Gb	NT6TL128M32AQ-G0	LPDDR2	128Mx32x1CS	POP168	432	С	S/T	
	4Gb	NT6TL128M32BQ-G0	LPDDR2	128Mx32x1CS	POP168	432	С	S/T	
Nanya	8Gb	NT6TL256T32BQ-G0	LPDDR2	128Mx32x2CS	POP168	432	С	S/T	
	8Gb	NT6TL256T32AQ-G0	LPDDR2	128Mx32x2CS	POP168	432	С	S/T	
	4Gb	NT5CC256M16EP-DI	DDR3L	256Mx16	FBGA96	576	С	S/T	
	4Gb	NT5CB256M16DP-EK	DDR3	256Mx16	FBGA96	576	С	S/T	
	4Gb	NT5CC256M16DP-DII	DDR3L	256Mx16	FBGA96	576	I	S/T	
	4Gb	NT5CC256M16DP-DIA	DDR3	256Mx16	FBGA96	576	A3	S/T	
	2Gb	NT5CC128M16IP-DII	DDR3	128Mx16	FBGA96	576	I	S/T	
	2Gb	NT5CC128M16IP-DIA	DDR3	128Mx16	FBGA96	576	A3	S/T	
	2Gb	NT5CC128M16IP-DIT	DDR3	128Mx16	FBGA96	576	С	S/T	
	2Gb	NT5CC128M16IP-DI	DDR3	128Mx16	FBGA96	576	С	S/T	
	2Gb	MT41K128M16JT-125	DDR3L	128Mx16	FBGA96	576	С	S/T	
	4Gb	MT41K256M16TW-107	DDR3L	256Mx16	FBGA96	576	С	S/T	



0.01								
8Gb	MT52L256M32D1PF-107	LPDDR3	256Mx32x1CS	FBGA178	480	C	S/T	
16Gb	MT52L512M32D2PF-107	LPDDR3	256Mx32x2CS	FBGA178	480	C	S/T	
2Gb	K4B2G1646F-BYMA	DDR3	128Mx16	FBGA96	576	C	S/T	
4Gb	K4B4G1646E-BCMA	DDR3	256Mx16	FBGA96	576	C	S/T	
4Gb	K4B4G1646E-BMK0	DDR3L	256Mx16	FBGA96	576	С	S/T	
4Gb	K4B4G1646D-BCK0	DDR3	256Mx16	FBGA96	576	С	S/T	
8Gb	K4E8E304ED-EGCE	LPDDR3	128Mx32x2CS	FBGA178	480	С	S/T	
8Gb	K4E8E304ED-EGCC	LPDDR3	128Mx32x2CS	FBGA178	480	С	S/T	
8Gb	K4E8E324EB-EGCF	LPDDR3	256Mx32x1CS	FBGA178	480	С	S/T	
8Gb	K4E8E304EE-EGCE	LPDDR3	128Mx32x2CS	FBGA178	480	С	S/T	
16Gb	K4E6E304EE-EGCE	LPDDR3	256Mx32x2CS	FBGA178	480	С	S/T	
8Gb	K4P8G304EQ-AGC2	LPDDR2	128Mx32x2CS	POP168	432	С	S/T	
4Gb	D2516EC4BXGGB	DDR3L	256Mx16	FBGA96	576	С	S/T	
							U	
6Gb	LTFP000AES3-ZNF1	LPDDR3	192Mx32x1CS	FBGA178	576	С	S/T	
4Gb	P3P4GF4BLF-GGN	DDR3	256Mx16	FBGA96	576	С	S/T	
4Gb	P3P4GF4BLF-GDJ	DDR3	256Mx16	FBGA96	576	С	S/T	
4Gb	P3P4GF4BLF-GJS	DDR3	256Mx16	FBGA96	576	С	S/T	
			1					
	2Gb 4Gb 4Gb 8Gb 8Gb 8Gb 4Gb 4Gb 4Gb 4Gb 4Gb 4Gb	2Gb K4B2G1646F-BYMA 4Gb K4B4G1646E-BCMA 4Gb K4B4G1646E-BMK0 4Gb K4B4G1646D-BCK0 8Gb K4E8E304ED-EGCE 8Gb K4E8E304ED-EGCC 8Gb K4E8E304EE-EGCE 16Gb K4E6E304EE-EGCE 8Gb K4P8G304EQ-AGC2 4Gb D2516EC4BXGGB 6Gb LTFP000AES3-ZNF1 4Gb P3P4GF4BLF-GGN 4Gb P3P4GF4BLF-GDJ	2Gb         K4B2G1646F-BYMA         DDR3           4Gb         K4B4G1646E-BCMA         DDR3           4Gb         K4B4G1646E-BMK0         DDR3L           4Gb         K4B4G1646D-BCK0         DDR3           8Gb         K4E8E304ED-EGCE         LPDDR3           8Gb         K4E8E304ED-EGCC         LPDDR3           8Gb         K4E8E324EB-EGCF         LPDDR3           8Gb         K4E8E304EE-EGCE         LPDDR3           16Gb         K4E6E304EE-EGCE         LPDDR3           8Gb         K4P8G304EQ-AGC2         LPDDR2           4Gb         D2516EC4BXGGB         DDR3L           6Gb         LTFP000AES3-ZNF1         LPDDR3           4Gb         P3P4GF4BLF-GGN         DDR3           4Gb         P3P4GF4BLF-GDJ         DDR3	2Gb         K4B2G1646F-BYMA         DDR3         128Mx16           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16           4Gb         K4B4G1646E-BMK0         DDR3L         256Mx16           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16           8Gb         K4E8E304ED-EGCE         LPDDR3         128Mx32x2CS           8Gb         K4E8E304ED-EGCC         LPDDR3         128Mx32x2CS           8Gb         K4E8E304EE-EGCF         LPDDR3         256Mx32x1CS           8Gb         K4E8E304EE-EGCE         LPDDR3         256Mx32x2CS           16Gb         K4E6E304EE-EGCE         LPDDR3         256Mx32x2CS           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS           4Gb         D2516EC4BXGGB         DDR3L         256Mx16           4Gb         P3P4GF4BLF-GGN         DDR3         256Mx16           4Gb         P3P4GF4BLF-GDJ         DDR3         256Mx16	2Gb         K4B2G1646F-BYMA         DDR3         128Mx16         FBGA96           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16         FBGA96           4Gb         K4B4G1646E-BMK0         DDR3L         256Mx16         FBGA96           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96           8Gb         K4BE304ED-EGCE         LPDDR3         128Mx32x2CS         FBGA178           8Gb         K4E8E304ED-EGCC         LPDDR3         128Mx32x2CS         FBGA178           8Gb         K4E8E304EE-EGCE         LPDDR3         256Mx32x1CS         FBGA178           8Gb         K4E8E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178           16Gb         K4E6E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS         POP168           4Gb         D2516EC4BXGGB         DDR3L         256Mx16         FBGA96           4Gb         P3P4GF4BLF-GGN         DDR3         256Mx16         FBGA96           4Gb         P3P4GF4BLF-GDJ         DDR3         256Mx16         FBGA96	2Gb         K4B2G1646F-BYMA         DDR3         128Mx16         FBGA96         576           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16         FBGA96         576           4Gb         K4B4G1646E-BCMA         DDR3L         256Mx16         FBGA96         576           4Gb         K4B4G1646E-BMK0         DDR3L         256Mx16         FBGA96         576           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576           8Gb         K4E8E304ED-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480           8Gb         K4E8E304ED-EGCC         LPDDR3         128Mx32x2CS         FBGA178         480           8Gb         K4E8E304EE-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480           16Gb         K4E6E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS         POP168         432           4Gb         D2516EC4BXGGB         DDR3L         256Mx16         FBGA96         576           4Gb         P3P4GF4BLF-GGN         DDR3         256Mx16         FBGA96         576           4Gb	2Gb         K4B2G1646F-BYMA         DDR3         128Mx16         FBGA96         576         C           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16         FBGA96         576         C           4Gb         K4B4G1646E-BCMA         DDR3L         256Mx16         FBGA96         576         C           4Gb         K4B4G1646E-BCK0         DDR3         256Mx16         FBGA96         576         C           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576         C           8Gb         K4E8E304ED-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480         C           8Gb         K4E8E304ED-EGCC         LPDDR3         256Mx32x1CS         FBGA178         480         C           8Gb         K4E8E304EE-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480         C           16Gb         K4E6E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480         C           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS         POP168         432         C           4Gb         D2516EC4BXGGB         DDR3         256Mx16         FBGA96         576         C </td <td>2Gb         K4B2G1646F-BYMA         DDR3         128Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646E-BMK0         DDR3L         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4E8E304ED-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4E8E304ED-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4E8E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS         FBGA178         480         C         S/T           4Gb         D2516EC4BXGGB         DDR3L         256Mx16         FBGA96         576         C</td>	2Gb         K4B2G1646F-BYMA         DDR3         128Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646E-BCMA         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646E-BMK0         DDR3L         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4B4G1646D-BCK0         DDR3         256Mx16         FBGA96         576         C         S/T           4Gb         K4E8E304ED-EGCE         LPDDR3         128Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4E8E304ED-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4E8E304EE-EGCE         LPDDR3         256Mx32x2CS         FBGA178         480         C         S/T           8Gb         K4P8G304EQ-AGC2         LPDDR2         128Mx32x2CS         FBGA178         480         C         S/T           4Gb         D2516EC4BXGGB         DDR3L         256Mx16         FBGA96         576         C

Note1: 6 or more layers of PCB is needed.

Note2: Note3:

Note4:

Note5: