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## A40i DRAM Support List

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<b>Version</b>	<b>V1.0</b>
<b>Release Date</b>	<b>2018/06/27</b>

## Reversion History

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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	√	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

# Support List

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

Micron	8Gb	MT52L256M32D1PF-107	LPDDR3	256Mx32x1CS	FBGA178	480	C	S/T	
	16Gb	MT52L512M32D2PF-107	LPDDR3	256Mx32x2CS	FBGA178	480	C	S/T	
Samsung	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	
	8Gb	K4E8E304ED-EGCE	LPDDR3	128Mx32x2CS	FBGA178	480	C	S/T	
	8Gb	K4E8E304ED-EGCC	LPDDR3	128Mx32x2CS	FBGA178	480	C	S/T	
	8Gb	K4E8E324EB-EGCF	LPDDR3	256Mx32x1CS	FBGA178	480	C	S/T	
	8Gb	K4E8E304EE-EGCE	LPDDR3	128Mx32x2CS	FBGA178	480	C	S/T	
	16Gb	K4E6E304EE-EGCE	LPDDR3	256Mx32x2CS	FBGA178	480	C	S/T	
	8Gb	K4P8G304EQ-AGC2	LPDDR2	128Mx32x2CS	POP168	432	C	S/T	
Kingston	4Gb	D2516EC4BXGGB	DDR3L	256Mx16	FBGA96	576	C	S/T	
Leahkinn	6Gb	LTFP000AES3-ZNF1	LPDDR3	192Mx32x1CS	FBGA178	576	C	S/T	
PSC/Mira	4Gb	P3P4GF4BLF-GGN	DDR3	256Mx16	FBGA96	576	C	S/T	
	4Gb	P3P4GF4BLF-GDJ	DDR3	256Mx16	FBGA96	576	C	S/T	
	4Gb	P3P4GF4BLF-GJS	DDR3	256Mx16	FBGA96	576	C	S/T	

Note1: 6 or more layers of PCB is needed.

Note2:

Note3:

Note4:

Note5: